

Supplemental Table 1. Optimization of mlrPCR-sWGA and whole genome amplification reactions.

	EBV Input copies for sWGA*	Denaturation Buffer	Average EBV Input (genome copy/uL)	Average Human Input (B-actin/uL)	dNTP composition (G/C/T/A ratio)	Whole Genome Amplification Incubation	EBV DNA Output (copy/ng)	Human DNA Output (B-actin/ng)	EBV Enrichment (EBVpost / EBVpre) / (DNApost / DNApre)	Human Enrichment (Humanpost / Humanpre) / (DNApost / DNApre)	EBV Enrichment / Human Enrichment
Input EBV copies, dNTP Composition	10,000	TE	62,448	3,456	30/30/10/10	16 hours at 30C	4,573	7	1.06	0.03	35.33
	1,000	TE	10,038	13,911	30/30/10/10	16 hours at 30C	505	59	1.01	0.08	12.63
	100	TE	467	10,883	30/30/10/10	16 hours at 30C	55	70	2.28	0.12	19.00
	10	TE	10	11,326	30/30/10/10	16 hours at 30C	4	68	8.26	0.12	68.83
	1	TE	6	19,483	30/30/10/10	16 hours at 30C	0	55	0.21	0.06	3.50
	0	TE		11,551	30/30/10/10	16 hours at 30C		76		0.23	0.00
	10,000	TE	62,448	3,456	30/30/5/5	16 hours at 30C	4,847	2	1.12	0.01	112.00
	1,000	TE	10,038	13,911	30/30/5/5	16 hours at 30C	544	75	1.09	0.11	9.91
	100	TE	467	10,883	30/30/5/5	16 hours at 30C	72	65	3	0.12	25.00
	10	TE	10	11,326	30/30/5/5	16 hours at 30C	3	65	5.97	0.11	54.27
	1	TE	6	19,483	30/30/5/5	16 hours at 30C	0	81	0.22	0.09	2.44
	0	TE		11,551	30/30/5/5	16 hours at 30C		71		0.21	0.00
	10,000	TE	62,448	3,456	15/15/5/5	16 hours at 30C	3,483	16	0.81	0.07	11.57
	1,000	TE	10,038	13,911	15/15/5/5	16 hours at 30C	488	84	0.97	0.12	8.08
	100	TE	467	10,883	15/15/5/5	16 hours at 30C	73	109	3.04	0.19	16.00
	10	TE	10	11,326	15/15/5/5	16 hours at 30C	1	80	2.71	0.14	19.36
	1	TE	6	19,483	15/15/5/5	16 hours at 30C	0	103	0.25	0.11	2.27
	0	TE		11,551	15/15/5/5	16 hours at 30C		118		0.35	0.00
	10,000	TE	62,448	3,456	15/15/2/2	16 hours at 30C	3,324	12	0.77	0.05	15.40
	1,000	TE	10,038	13,911	15/15/2/2	16 hours at 30C	533	77	1.06	0.11	9.64
100	TE	467	10,883	15/15/2/2	16 hours at 30C	78	105	3.24	0.19	17.05	
10	TE	10	11,326	15/15/2/2	16 hours at 30C	4	105	7.8	0.18	43.33	
1	TE	6	19,483	15/15/2/2	16 hours at 30C	0	110	0	0.12	0.00	
0	TE		11,551	15/15/2/2	16 hours at 30C		108		0.32	0.00	
Denaturation Buffer, Incubation time and temperature	10	TE	10	11,326	30/30/5/5	8 hours at 30C	2	40	6.31	0.14	45.07
	10	TE	10	11,326	30/30/5/5	16 hours at 30C	2	40	8.74	0.14	62.43
	10	TE	10	11,326	30/30/5/5	8 hours at 35C	1	22	4.05	0.08	50.63
	10	TE	10	11,326	30/30/5/5	16 hours at 35C	2	22	6.14	0.08	76.75
	10	TE+Q sol	10	11,326	30/30/5/5	8 hours at 30C	2	41	9.44	0.14	67.43
	10	TE+Q sol	10	11,326	30/30/5/5	16 hours at 30C	3	60	13.94	0.21	66.38
	10	TE+Q sol	10	11,326	30/30/5/5	8 hours at 35C	3	28	10.72	0.1	107.20
	10	TE+Q sol	10	11,326	30/30/5/5	16 hours at 35C	4	49	15.13	0.17	89.00
	* total EBV genomes 20 uL of input for sWGA										

**Supplemental Table 2. Estimated sequencing error rates based on replicates and controls.**

Prior Amplification	Control Experimental Assembly	Reference Assembly	Number of Substitution Errors	Number of Correct Bases	Error Rate (per base)	Mean Error Rate (per base)
No amplification	Jijoye	Jijoye Assembly*	1	134,118	7.46E-06	1.13E-05
No amplification	Daudi	Daudi Assembly*	0	132,780	0.00E+00	
No amplification	Raji_Rep1	Raji Assembly*	0	130,560	0.00E+00	
No amplification	Raji_Rep2	Raji Assembly*	5	132,736	3.77E-05	
GenomiPhi-WGA	Raji_wga	Raji Assembly*	2	132,836	1.51E-05	2.13E-05
GenomiPhi-WGA	eBLtumor-01_EBV_type1_wga	eBLtumor-01_EBV_type1#	1	140,069	7.14E-06	
GenomiPhi-WGA	eBLtumor-02_EBV_type2_wga	eBLtumor-02_EBV_type2#	4	142,932	2.80E-05	
GenomiPhi-WGA	eBLtumor-03_EBV_type2_wga	eBLtumor-03_EBV_type2#	1	142,154	7.03E-06	
GenomiPhi-WGA	eBLtumor-04_EBV_type1_wga	eBLtumor-04_EBV_type1#	5	141,643	3.53E-05	
GenomiPhi-WGA	eBLtumor-05_EBV_type1_wga	eBLtumor-05_EBV_type1#	5	141,643	3.53E-05	1.09E-04
mlrPCR-sWGA	Raji_Rep1_mlrPCR-sWGA	Raji Assembly*	6	98,507	6.09E-05	
mlrPCR-sWGA	Raji_Rep2_mlrPCR-sWGA	Raji Assembly*	11	130,538	8.43E-05	
mlrPCR-sWGA	Jijoye_Rep1_mlrPCR-sWGA	Jijoye Assembly*	13	132,045	9.84E-05	
mlrPCR-sWGA	Daudi_mlrPCR-sWGA	Daudi Assembly*	25	130,160	1.92E-04	

\*Reference assemblies from Palser et al. 2015 (Jijoye: LN827800, Daudi: LN827545, Raji: KF717093). #The isolates were sequenced without any amplification. Preprocess denotes whether sample DNA was amplified prior to sequencing library preparation. The number of substitutions were determined by pairwise whole genome alignments of control and reference assemblies. Error rates were referred to the average mismatches to reference assemblies after normalizing to total covered genomic regions. GenomiPhi-WGA; whole genome amplification using EBV specific protected hexamers, mlrPCR-sWGA; pre-amplification with PCR primer pools followed by sWGA.

Supplemental Table 3. Sample attributes, preprocessing information, and their sequencing data statistics.

SampleID	Sample Source	Amplification	Capture Method	Viral Type	Illumina Paired-end Read Length	Total Sequence reads	Assembled Genome Size (bases)	Average Depth of Coverage over Assembly
eBL_CL-01	New BL_CellLineDNA	No amplification	EBV specific MyBait oligos	Type1	300	27728	137836	60.3
eBL_CL-02	New BL_CellLineDNA	No amplification	EBV specific MyBait oligos	Type2	300	37293	140684	79.5
eBL_CL-03	New BL_CellLineDNA	No amplification	EBV specific MyBait oligos	Type1	300	130447	142246	275.1
Daudi	BL_CellLineDNA	No amplification	EBV specific MyBait oligos	Type1	300	114210	138211	247.9
Jijoye	BL_CellLineDNA	No amplification	EBV specific MyBait oligos	Type2	300	15094	138424	32.7
Namalwa	BL_CellLineDNA	No amplification	EBV specific MyBait oligos	Type1	300	29866	131405	68.2
Raji	BL_CellLineDNA	No amplification	EBV specific MyBait oligos	Type1	300	16399	135972	36.2
HC-0001	BloodDNA_fromHealthyKid	mIrrPCR-sWGA	EBV specific MyBait oligos	Type1	300	1989031	92740	6434.2
HC-0002	BloodDNA_fromHealthyKid	mIrrPCR-sWGA	EBV specific MyBait oligos	Type2	300	2573344	135457	5699.2
HC-0003	BloodDNA_fromHealthyKid	mIrrPCR-sWGA	EBV specific MyBait oligos	Type1	300	3256865	101378	9637.8
HC-0004	BloodDNA_fromHealthyKid	mIrrPCR-sWGA	EBV specific MyBait oligos	Type2	300	6191128	130528	14229.4
HC-0005	BloodDNA_fromHealthyKid	mIrrPCR-sWGA	EBV specific MyBait oligos	Type2	300	2230574	130100	5143.5
HC-0006	BloodDNA_fromHealthyKid	mIrrPCR-sWGA	EBV specific MyBait oligos	Type2	300	14005054	113876	36895.5
HC-0007	BloodDNA_fromHealthyKid	mIrrPCR-sWGA	EBV specific MyBait oligos	Type1	300	13554411	125967	32280.9
HC-0008	BloodDNA_fromHealthyKid	mIrrPCR-sWGA	EBV specific MyBait oligos	Type1	300	4038485	112717	10748.6
HC-0009	BloodDNA_fromHealthyKid	mIrrPCR-sWGA	EBV specific MyBait oligos	Type1	300	5264476	132675	11903.8
HC-0010	BloodDNA_fromHealthyKid	mIrrPCR-sWGA	EBV specific MyBait oligos	Type1	300	5080095	91925	16579
HC-0011	BloodDNA_fromHealthyKid	mIrrPCR-sWGA	EBV specific MyBait oligos	Type2	300	2361855	114610	6182.3
HC-0012	BloodDNA_fromHealthyKid	mIrrPCR-sWGA	EBV specific MyBait oligos	Type2	300	4609922	114898	12036.6
HC-0013	BloodDNA_fromHealthyKid	mIrrPCR-sWGA	EBV specific MyBait oligos	Type1	300	399047	104101	1150
HC-0014	BloodDNA_fromHealthyKid	mIrrPCR-sWGA	EBV specific MyBait oligos	Type2	300	1373086	123167	3344.4
HC-0015	BloodDNA_fromHealthyKid	mIrrPCR-sWGA	EBV specific MyBait oligos	Type1	300	3517550	128859	8189.3
HC-0016	BloodDNA_fromHealthyKid	mIrrPCR-sWGA	EBV specific MyBait oligos	Type2	300	5312268	131404	12128.1
HC-0017	BloodDNA_fromHealthyKid	mIrrPCR-sWGA	EBV specific MyBait oligos	Type1	300	1194255	89724	3993.1
HC-0018	BloodDNA_fromHealthyKid	mIrrPCR-sWGA	EBV specific MyBait oligos	Type2	300	3443411	85526	12078.5
HC-0019	BloodDNA_fromHealthyKid	mIrrPCR-sWGA	EBV specific MyBait oligos	Type2	300	1401820	137320	3062.5
HC-0020	BloodDNA_fromHealthyKid	mIrrPCR-sWGA	EBV specific MyBait oligos	Type1	300	3297486	97564	10139.5
HC-0021	BloodDNA_fromHealthyKid	mIrrPCR-sWGA	EBV specific MyBait oligos	Type1	300	1691945	110989	4573.3
HC-0022	BloodDNA_fromHealthyKid	mIrrPCR-sWGA	EBV specific MyBait oligos	Type2	300	986623	120580	2454.7
HC-0023	BloodDNA_fromHealthyKid	mIrrPCR-sWGA	EBV specific MyBait oligos	Type2	300	149295	132533	337.9
HC-0024	BloodDNA_fromHealthyKid	mIrrPCR-sWGA	EBV specific MyBait oligos	Type1	300	1248198	128373	2917
HC-0025	BloodDNA_fromHealthyKid	mIrrPCR-sWGA	EBV specific MyBait oligos	Type1	300	1179837	82870	4271.2
HC-0026	BloodDNA_fromHealthyKid	mIrrPCR-sWGA	EBV specific MyBait oligos	Type2	300	555072	137682	1209.5
HC-0027	BloodDNA_fromHealthyKid	mIrrPCR-sWGA	EBV specific MyBait oligos	Type2	300	457153	136835	1002.3
HC-0028	BloodDNA_fromHealthyKid	mIrrPCR-sWGA	EBV specific MyBait oligos	Type2	300	1910804	129668	4420.8
HC-0029	BloodDNA_fromHealthyKid	mIrrPCR-sWGA	EBV specific MyBait oligos	Type1	300	8132282	138631	17598.4
HC-0030	BloodDNA_fromHealthyKid	mIrrPCR-sWGA	EBV specific MyBait oligos	Type1	150	514390	89660	860.6
HC-0031	BloodDNA_fromHealthyKid	mIrrPCR-sWGA	EBV specific MyBait oligos	Type2	150	896398	15578	8631.4

HC-0032	BloodDNA_fromHealthyKid	mlrPCR-sWGA	EBV specific MyBait oligos	Type1	150	1230192	59837	3083.9		
HC-0033	BloodDNA_fromHealthyKid	mlrPCR-sWGA	EBV specific MyBait oligos	Type2	150	331520	16212	3067.4		
HC-0034	BloodDNA_fromHealthyKid	mlrPCR-sWGA	EBV specific MyBait oligos	Type2	150	11241210	97685	17261.4		
HC-0035	BloodDNA_fromHealthyKid	mlrPCR-sWGA	EBV specific MyBait oligos	Type1	150	24810	77012	48.3		
HC-0036	BloodDNA_fromHealthyKid	mlrPCR-sWGA	EBV specific MyBait oligos	Type1	150	3822180	57343	9998.2		
HC-0037	BloodDNA_fromHealthyKid	mlrPCR-sWGA	EBV specific MyBait oligos	Type1	150	41852	108638	57.8		
HC-0038	BloodDNA_fromHealthyKid	mlrPCR-sWGA	EBV specific MyBait oligos	Type2	150	107808	3440	4700.9		
HC-0039	BloodDNA_fromHealthyKid	mlrPCR-sWGA	EBV specific MyBait oligos	Type2	150	1028620	47534	3246		
HC-0040	BloodDNA_fromHealthyKid	mlrPCR-sWGA	EBV specific MyBait oligos	Type2	150	9429614	111687	12664.3		
eBL-Tumor-0001	eBL_primaryTumorDNA	GenomiPhi-WGA	EBV specific MyBait oligos	Type1	200 & 300	4222227	142384	7413.5		
eBL-Tumor-0002	eBL_primaryTumorDNA	GenomiPhi-WGA	EBV specific MyBait oligos	Type1	200 & 300	6479721	142052	11403.8		
eBL-Tumor-0003	eBL_primaryTumorDNA	GenomiPhi-WGA	EBV specific MyBait oligos	Type2	200 & 300	8625903	60909	35404.9		
eBL-Tumor-0004	eBL_primaryTumorDNA	mlrPCR-sWGA	EBV specific MyBait oligos	Type1	300	1123872	137537	2451.4		
eBL-Tumor-0005	eBL_primaryTumorDNA	GenomiPhi-WGA	EBV specific MyBait oligos	Type1	200 & 300	4648123	142405	8160		
eBL-Tumor-0006	eBL_primaryTumorDNA	GenomiPhi-WGA	EBV specific MyBait oligos	Type1	200 & 300	6448397	143731	11216.1		
eBL-Tumor-0007	eBL_primaryTumorDNA	GenomiPhi-WGA	EBV specific MyBait oligos	Type1	200 & 300	5448856	142866	9534.9		
eBL-Tumor-0008	eBL_primaryTumorDNA	mlrPCR-sWGA	EBV specific MyBait oligos	Type2	300	10438253	141842	22077.2		
eBL-Tumor-0009	eBL_primaryTumorDNA	mlrPCR-sWGA	EBV specific MyBait oligos	Type1	300	926150	136703	2032.5		
eBL-Tumor-0010	eBL_primaryTumorDNA	mlrPCR-sWGA	EBV specific MyBait oligos	Type1	300	21509972	135211	47725.3		
eBL-Tumor-0011	eBL_primaryTumorDNA	GenomiPhi-WGA	EBV specific MyBait oligos	Type1	200 & 300	14949732	144063	25943		
eBL-Tumor-0012	eBL_primaryTumorDNA	GenomiPhi-WGA	EBV specific MyBait oligos	Inter-typic	200 & 300	3673227	141985	6467.6		
eBL-Tumor-0013	eBL_primaryTumorDNA	GenomiPhi-WGA	EBV specific MyBait oligos	Type1	200 & 300	7861933	144125	13637.4		
eBL-Tumor-0014	eBL_primaryTumorDNA	GenomiPhi-WGA	EBV specific MyBait oligos	Type1	200 & 300	8701944	143606	15149		
eBL-Tumor-0015	eBL_primaryTumorDNA	GenomiPhi-WGA	EBV specific MyBait oligos	Type1	200 & 300	5825147	144044	10110		
eBL-Tumor-0016	eBL_primaryTumorDNA	GenomiPhi-WGA	EBV specific MyBait oligos	Type1	200 & 300	1161216	139661	2078.6		
eBL-Tumor-0017	eBL_primaryTumorDNA	No amplification	EBV specific MyBait oligos	Type2	200	10699217	145418	14715.1		
eBL-Tumor-0018	eBL_primaryTumorDNA	No amplification	EBV specific MyBait oligos	Type1	200	11258545	143781	15660.7		
eBL-Tumor-0019	eBL_primaryTumorDNA	No amplification	EBV specific MyBait oligos	Type1	200	16192472	143175	22619.1		
eBL-Tumor-0020	eBL_primaryTumorDNA	No amplification	EBV specific MyBait oligos	Type2	200	14633495	146920	19920.4		
eBL-Tumor-0021	eBL_primaryTumorDNA	No amplification	EBV specific MyBait oligos	Type1	200	14430586	143942	20050.6		
eBL-Tumor-0022	eBL_primaryTumorDNA	No amplification	EBV specific MyBait oligos	Type1	200	7687200	143947	10680.6		
eBL-Tumor-0022	eBL_primaryTumorDNA	GenomiPhi-WGA	EBV specific MyBait oligos	Type1	200	7248781	142454	10177	Repeated for error estimation	
eBL-Tumor-0023	eBL_primaryTumorDNA	No amplification	EBV specific MyBait oligos	Type1	200	4481944	140842	6364.5		
eBL-Tumor-0024	eBL_primaryTumorDNA	No amplification	EBV specific MyBait oligos	Type2	200	2585251	143612	3600.3		
eBL-Tumor-0024	eBL_primaryTumorDNA	GenomiPhi-WGA	EBV specific MyBait oligos	Type2	200	4883458	142754	6841.8	Repeated for error estimation	
eBL-Tumor-0025	eBL_primaryTumorDNA	No amplification	EBV specific MyBait oligos	Type1	200	9775107	143175	13654.8		
eBL-Tumor-0026	eBL_primaryTumorDNA	No amplification	EBV specific MyBait oligos	Type2	200	4070074	142949	5694.4		
eBL-Tumor-0026	eBL_primaryTumorDNA	GenomiPhi-WGA	EBV specific MyBait oligos	Type2	200	6415050	142375	9011.5	Repeated for error estimation	
eBL-Tumor-0027	eBL_primaryTumorDNA	No amplification	EBV specific MyBait oligos	Type1	200	2473450	142313	3476.1		
eBL-Tumor-0028	eBL_primaryTumorDNA	No amplification	EBV specific MyBait oligos	Type2	200	2785996	142423	3912.3		
eBL-Tumor-0029	eBL_primaryTumorDNA	No amplification	EBV specific MyBait oligos	Type1	200	7602074	142738	10651.8		
eBL-Tumor-0030	eBL_primaryTumorDNA	No amplification	EBV specific MyBait oligos	Type1	200	6079669	145541	8354.6		

eBL-Tumor-0031	eBL_primaryTumorDNA	No amplification	EBV specific MyBait oligos	Type1	200	3972963	126974	6257.9	
eBL-Tumor-0032	eBL_primaryTumorDNA	No amplification	EBV specific MyBait oligos	Type1	200	7118274	144616	9844.4	
eBL-Tumor-0033	eBL_primaryTumorDNA	No amplification	EBV specific MyBait oligos	Inter-typic	200	18395334	146197	25165.1	
eBL-Tumor-0034	eBL_primaryTumorDNA	No amplification	EBV specific MyBait oligos	Type1	200	5679398	144524	7859.5	
eBL-Tumor-0035	eBL_primaryTumorDNA	GenomiPhi-WGA	EBV specific MyBait oligos	Type2	200 & 300	6133367	142874	10732.1	
eBL-Tumor-0036	eBL_primaryTumorDNA	mlrPCR-sWGA	EBV specific MyBait oligos	Type2	300	1873678	137887	4076.6	
eBL-Tumor-0037	eBL_primaryTumorDNA	No amplification	EBV specific MyBait oligos	Type1	200	4781768	143452	6666.7	
eBL-Tumor-0037	eBL_primaryTumorDNA	GenomiPhi-WGA	EBV specific MyBait oligos	Type1	200	4097748	141698	5783.8	Repeated for error estimation
eBL-Tumor-0038	eBL_primaryTumorDNA	No amplification	EBV specific MyBait oligos	Type1	200	1652556	141363	2338	
eBL-Tumor-0038	eBL_primaryTumorDNA	GenomiPhi-WGA	EBV specific MyBait oligos	Type1	200 & 300	14668183	144437	25388.5	Repeated for error estimation
eBL-Tumor-0039	eBL_primaryTumorDNA	No amplification	EBV specific MyBait oligos	Type1	200	3484138	145453	4790.7	
eBL-Tumor-0040	eBL_primaryTumorDNA	No amplification	EBV specific MyBait oligos	Type2	200	3758609	145880	5153	
eBL-Tumor-0041	eBL_primaryTumorDNA	No amplification	EBV specific MyBait oligos	Type1	200	6158191	145025	8492.6	
eBL-Plasma-0035	PlasmaDNA_fromBLpatient	mlrPCR-sWGA	EBV specific MyBait oligos	Type2	300	385303	131409	879.6	
eBL-Plasma-0036	PlasmaDNA_fromBLpatient	mlrPCR-sWGA	EBV specific MyBait oligos	Type2	300	727755	139446	1565.7	
eBL-Plasma-0037	PlasmaDNA_fromBLpatient	mlrPCR-sWGA	EBV specific MyBait oligos	Type1	300	52615528	125217	126058.4	
eBL-Plasma-0038	PlasmaDNA_fromBLpatient	mlrPCR-sWGA	EBV specific MyBait oligos	Type1	300	2982299	135347	6610.3	
eBL-Plasma-0039	PlasmaDNA_fromBLpatient	mlrPCR-sWGA	EBV specific MyBait oligos	Type1	300	2834853	135720	6266.3	
eBL-Plasma-0040	PlasmaDNA_fromBLpatient	mlrPCR-sWGA	EBV specific MyBait oligos	Type2	300	336725	138187	731	
eBL-Plasma-0041	PlasmaDNA_fromBLpatient	mlrPCR-sWGA	EBV specific MyBait oligos	Type1	300	1055728	112128	2824.6	
eBL-Plasma-0042	PlasmaDNA_fromBLpatient	mlrPCR-sWGA	EBV specific MyBait oligos	Type1	300	1226736	138256	2661.9	
eBL-Plasma-0043	PlasmaDNA_fromBLpatient	mlrPCR-sWGA	EBV specific MyBait oligos	Type2	300	643566	137788	1401.2	
eBL-Plasma-0044	PlasmaDNA_fromBLpatient	mlrPCR-sWGA	EBV specific MyBait oligos	Type1	300	992336	137048	2172.2	
eBL-Plasma-0045	PlasmaDNA_fromBLpatient	mlrPCR-sWGA	EBV specific MyBait oligos	Type1	300	9600176	138091	20856.2	
eBL-Plasma-0046	PlasmaDNA_fromBLpatient	mlrPCR-sWGA	EBV specific MyBait oligos	Type1	300	7416764	112949	19699.4	
eBL-Plasma-0047	PlasmaDNA_fromBLpatient	No amplification	EBV specific MyBait oligos	Type1	300	2209552	141331	4690.2	
eBL-Plasma-0048	PlasmaDNA_fromBLpatient	No amplification	EBV specific MyBait oligos	Type2	300	117683	125628	281	
eBL-Plasma-0049	PlasmaDNA_fromBLpatient	No amplification	EBV specific MyBait oligos	Inter-typic	300	352588	136504	774.9	
eBL-Plasma-0050	PlasmaDNA_fromBLpatient	No amplification	EBV specific MyBait oligos	Type1	300	528192	138955	1140.4	
eBL-Plasma-0051	PlasmaDNA_fromBLpatient	No amplification	EBV specific MyBait oligos	Type1	300	6039246	142313	12730.9	
eBL-Plasma-0052	PlasmaDNA_fromBLpatient	mlrPCR-sWGA	EBV specific MyBait oligos	Type1	300	1682856	138645	3641.4	
eBL-Plasma-0053	PlasmaDNA_fromBLpatient	mlrPCR-sWGA	EBV specific MyBait oligos	Type1	300	9207274	135925	20321.4	
eBL-Plasma-0054	PlasmaDNA_fromBLpatient	No amplification	EBV specific MyBait oligos	Type2	300	1063382	142801	2234	
eBL-Plasma-0055	PlasmaDNA_fromBLpatient	No amplification	EBV specific MyBait oligos	Type1	300	1514583	142029	3199.2	

<b>Supplemental Table 4. EBV genomes previously published and used for comparison.</b>	
<b>Sample</b>	<b>NCBI sequence ID</b>
LC1	gi 1034220039 gb KT823506.1  Human herpesvirus 4 isolate LC1, partial genome
LC2	gi 1034220119 gb KT823507.1  Human herpesvirus 4 isolate LC2, partial genome
LC3	gi 1034220201 gb KT823508.1  Human herpesvirus 4 isolate LC3, partial genome
LC4	gi 1034220278 gb KT823509.1  Human herpesvirus 4 isolate LC4, partial genome
Type2_Ref	gi 139424470 ref NC_009334.1  Human herpesvirus 4, complete genome
GD2	gi 343177302 gb HQ020558.1  Human herpesvirus 4 strain GD2, complete genome
Akata	gi 428161017 gb KC207813.1  Human herpesvirus 4 strain Akata, complete genome
Mutu	gi 428161102 gb KC207814.1  Human herpesvirus 4 strain Mutu, complete genome
strainC666-1	gi 500154724 gb KC617875.1  Human herpesvirus 4 strain C666-1, partial genome
M81	gi 557368242 gb KF373730.1  Human herpesvirus 4 strain M81, complete genome
HKNPC1	gi 582051068 gb JQ009376.2  Human herpesvirus 4 strain HKNPC1, genome
HKNPC2	gi 663082492 gb KF992564.1  Human herpesvirus 4 isolate HKNPC2, partial genome
HKNPC3	gi 663082571 gb KF992565.1  Human herpesvirus 4 isolate HKNPC3, partial genome
HKNPC4	gi 663082648 gb KF992566.1  Human herpesvirus 4 isolate HKNPC4, partial genome
HKNPC5	gi 663082725 gb KF992567.1  Human herpesvirus 4 isolate HKNPC5, partial genome
HKNPC6	gi 663082802 gb KF992568.1  Human herpesvirus 4 isolate HKNPC6, partial genome
HKNPC7	gi 663082879 gb KF992569.1  Human herpesvirus 4 isolate HKNPC7, partial genome
HKNPC8	gi 663082958 gb KF992570.1  Human herpesvirus 4 isolate HKNPC8, partial genome
HKNPC9	gi 663083037 gb KF992571.1  Human herpesvirus 4 isolate HKNPC9, partial genome
isolateC666-1	gi 663083114 gb KJ411974.1  Human herpesvirus 4 isolate C666-1, partial genome
Raji	gi 681961025 gb KF717093.1  Human herpesvirus 4 strain Raji, complete genome
Saliva1_assembly	gi 764007273 emb LN824142.1  Human herpesvirus 4 genome assembly Saliva1_assembly, segment : I
Mak_1	gi 764007353 emb LN824203.1  Human herpesvirus 4 genome assembly Mak_1, segment : I
HL05	gi 764007436 emb LN824204.1  Human herpesvirus 4 genome assembly HL05, segment : I

sLCL-1.12	gi 764007519 emb LN824205.1  Human herpesvirus 4 genome assembly sLCL-1.12, segment : I
pLCL-TRL1-post	gi 764007602 emb LN824206.1  Human herpesvirus 4 genome assembly pLCL-TRL1-post
pLCL-TRL1-pre	gi 764007685 emb LN824207.1  Human herpesvirus 4 genome assembly pLCL-TRL1-pre, segment : I
Akata_Rep	gi 764007768 emb LN824208.1  Human herpesvirus 4 genome assembly Akata, segment : I
HKN14	gi 764007851 emb LN824209.1  Human herpesvirus 4 genome assembly HKN14, segment : I
HKN19	gi 764007935 emb LN824224.1  Human herpesvirus 4 genome assembly HKN19, segment : I
HL08	gi 764008018 emb LN824225.1  Human herpesvirus 4 genome assembly HL08, segment : I
HL01	gi 764008102 emb LN824226.1  Human herpesvirus 4 genome assembly HL01, segment : I
HL09	gi 764008186 emb LN827522.1  Human herpesvirus 4 genome assembly HL09, segment : I
L591	gi 764008270 emb LN827523.1  Human herpesvirus 4 genome assembly L591, segment : I
HL11	gi 764008352 emb LN827524.1  Human herpesvirus 4 genome assembly HL11, segment : I
C666-1	gi 764008436 emb LN827525.1  Human herpesvirus 4 genome assembly C666-1, segment : I
BL37	gi 764008516 emb LN827526.1  Human herpesvirus 4 genome assembly BL37, segment : I
M-ABA	gi 764008600 emb LN827527.1  Human herpesvirus 4 genome assembly M-ABA, segment : I
Wewak_1	gi 764008683 emb LN827544.1  Human herpesvirus 4 genome assembly Wewak_1, segment : I
Daudi	gi 764008767 emb LN827545.1  Human herpesvirus 4 genome assembly Daudi, segment : I
HL02	gi 764008849 emb LN827546.1  Human herpesvirus 4 genome assembly HL02, segment : I
HKN15	gi 764008933 emb LN827547.1  Human herpesvirus 4 genome assembly HKN15, segment : I
D3201.2	gi 764009101 emb LN827549.1  Human herpesvirus 4 genome assembly D3201.2, segment : I
sLCL-1.11	gi 764009185 emb LN827550.1  Human herpesvirus 4 genome assembly sLCL-1.11, segment : I
Makau	gi 764009268 emb LN827551.1  Human herpesvirus 4 genome assembly Makau, segment : I
sLCL-1.08	gi 764009351 emb LN827552.1  Human herpesvirus 4 genome assembly sLCL-1.08, segment : I
sLCL-IS1.08	gi 764009435 emb LN827553.1  Human herpesvirus 4 genome assembly sLCL-IS1.08, segment : I
AFB1b	gi 764009519 emb LN827554.1  Human herpesvirus 4 genome assembly AFB1b, segment : I
X50-7	gi 764009602 emb LN827555.1  Human herpesvirus 4 genome assembly X50-7, segment : I
Cheptages	gi 764009684 emb LN827556.1  Human herpesvirus 4 genome assembly Cheptages, segment : I
sLCL-1.02	gi 764009848 emb LN827558.1  Human herpesvirus 4 genome assembly sLCL-1.02, segment : I

pLCL-TRL595	gi 764009931 emb LN827559.1  Human herpesvirus 4 genome assembly pLCL-TRL595, segment : I
sLCL-2.14	gi 764010014 emb LN827560.1  Human herpesvirus 4 genome assembly sLCL-2.14, segment : I
YCCEL1	gi 764010098 emb LN827561.1  Human herpesvirus 4 genome assembly YCCEL1, segment : I
sLCL-1.19	gi 764010182 emb LN827562.1  Human herpesvirus 4 genome assembly sLCL-1.19, segment : I
HL04	gi 764010348 emb LN827564.1  Human herpesvirus 4 genome assembly HL04, segment : I
sLCL-1.07	gi 764010420 emb LN827565.1  Human herpesvirus 4 genome assembly sLCL-1.07, segment : I
sLCL-1.06	gi 764010504 emb LN827566.1  Human herpesvirus 4 genome assembly sLCL-1.06, segment : I
sLCL-IM1.09	gi 764010588 emb LN827567.1  Human herpesvirus 4 genome assembly sLCL-IM1.09, segment : I
sLCL-1.24	gi 764010672 emb LN827568.1  Human herpesvirus 4 genome assembly sLCL-1.24, segment : I
sLCL-IS1.11	gi 764010755 emb LN827569.1  Human herpesvirus 4 genome assembly sLCL-IS1.11, segment : I
sLCL-IS1.01	gi 764010839 emb LN827570.1  Human herpesvirus 4 genome assembly sLCL-IS1.01, segment : I
sLCL-BL1.20	gi 764010923 emb LN827571.1  Human herpesvirus 4 genome assembly sLCL-BL1.20, segment : I
sLCL-IS1.18	gi 764011007 emb LN827572.1  Human herpesvirus 4 genome assembly sLCL-IS1.18, segment : I
sLCL-1.10	gi 764011091 emb LN827573.1  Human herpesvirus 4 genome assembly sLCL-1.10, segment : I
sLCL-1.09	gi 764011175 emb LN827574.1  Human herpesvirus 4 genome assembly sLCL-1.09, segment : I
sLCL-IS1.14	gi 764011258 emb LN827575.1  Human herpesvirus 4 genome assembly sLCL-IS1.14, segment : I
sLCL-IS1.20	gi 764011341 emb LN827576.1  Human herpesvirus 4 genome assembly sLCL-IS1.20, segment : I
sLCL-1.17	gi 764011424 emb LN827577.1  Human herpesvirus 4 genome assembly sLCL-1.17, segment : I
sLCL-IS1.13	gi 764011508 emb LN827578.1  Human herpesvirus 4 genome assembly sLCL-IS1.13, chromosome : I
sLCL-1.13	gi 764011592 emb LN827579.1  Human herpesvirus 4 genome assembly sLCL-1.13, segment : I
sLCL-2.16	gi 764011675 emb LN827580.1  Human herpesvirus 4 genome assembly sLCL-2.16, segment : I
sLCL-1.05	gi 764011759 emb LN827581.1  Human herpesvirus 4 genome assembly sLCL-1.05, segment : I
sLCL-BL1.03	gi 764011842 emb LN827582.1  Human herpesvirus 4 genome assembly sLCL-BL1.03, segment : I
sLCL-IM1.17	gi 764011926 emb LN827583.1  Human herpesvirus 4 genome assembly sLCL-IM1.17, segment : I
sLCL-IS1.06	gi 764012009 emb LN827584.1  Human herpesvirus 4 genome assembly sLCL-IS1.06, segment : I
sLCL-1.04	gi 764012093 emb LN827585.1  Human herpesvirus 4 genome assembly sLCL-1.04, segment : I
sLCL-IS1.15	gi 764012177 emb LN827586.1  Human herpesvirus 4 genome assembly sLCL-IS1.15, segment : I



sLCL-2.21	gi 764012261 emb LN827587.1  Human herpesvirus 4 genome assembly sLCL-2.21, segment : I
sLCL-IS1.19	gi 764012345 emb LN827588.1  Human herpesvirus 4 genome assembly sLCL-IS1.19, segment : I
sLCL-IS2.01	gi 764012428 emb LN827589.1  Human herpesvirus 4 genome assembly sLCL-IS2.01, segment : I
sLCL-IM1.05	gi 764012512 emb LN827590.1  Human herpesvirus 4 genome assembly sLCL-IM1.05, segment : I
sLCL-2.15	gi 764012596 emb LN827591.1  Human herpesvirus 4 genome assembly sLCL-2.15, segment : I
sLCL-IS1.10	gi 764012680 emb LN827592.1  Human herpesvirus 4 genome assembly sLCL-IS1.10, segment : I
sLCL-IS1.12	gi 764012764 emb LN827593.1  Human herpesvirus 4 genome assembly sLCL-IS1.12, segment : I
sLCL-IS1.07	gi 764012847 emb LN827594.1  Human herpesvirus 4 genome assembly sLCL-IS1.07, segment : I
sLCL-IS1.03	gi 764012930 emb LN827595.1  Human herpesvirus 4 genome assembly sLCL-IS1.03, segment : I
sLCL-IM1.02	gi 764013014 emb LN827596.1  Human herpesvirus 4 genome assembly sLCL-IM1.02, segment : I
sLCL-IS1.04	gi 764013098 emb LN827597.1  Human herpesvirus 4 genome assembly sLCL-IS1.04, segment : I
LCL_B958_delEber2	gi 765364814 emb LN827739.1  Human herpesvirus 4 genome assembly LCL_B958_delEber2, segment : I
sLCL-IM1.16	gi 766540480 emb LN827799.1  Human herpesvirus 4 genome assembly sLCL-IM1.16, segment : I
Jijoye	gi 766540564 emb LN827800.1  Human herpesvirus 4 genome assembly Jijoye, segment : I
CCH	gi 787749988 gb KP968257.1  Human herpesvirus 4 strain CCH, partial genome
MP	gi 787750086 gb KP968258.1  Human herpesvirus 4 strain MP, partial genome
SCL	gi 787750199 gb KP968259.1  Human herpesvirus 4 strain SCL, partial genome
VGO	gi 787750302 gb KP968260.1  Human herpesvirus 4 strain VGO, partial genome
HU11393	gi 787750415 gb KP968261.1  Human herpesvirus 4 strain HU11393, partial genome
H018436D	gi 787750520 gb KP968262.1  Human herpesvirus 4 strain H018436D, partial genome
H058015C	gi 787750634 gb KP968263.1  Human herpesvirus 4 strain H058015C, partial genome
H002213	gi 787750783 gb KP968264.1  Human herpesvirus 4 strain H002213, partial genome
P3HR1_c16Assembly	gi 802130350 emb LN827548.2  Human herpesvirus 4 genome assembly P3HR1_c16 Assembly, segment : I
BL36	gi 802130370 emb LN827557.2  Human herpesvirus 4 genome assembly BL36, segment : I
sLCL-1.18	gi 802130391 emb LN827563.2  Human herpesvirus 4 genome assembly sLCL-1.18, segment : I
sLCL-2.22	gi 809279182 emb LN831023.1  Human herpesvirus 4 genome assembly sLCL-2.22, segment : I
GC1	gi 810056545 gb KP735248.1  Human herpesvirus 4 strain GC1, complete genome

Type1_Ref	gi 82503188 ref NC_007605.1  Human herpesvirus 4 complete wild type genome	
GD1	gi 84519641 gb AY961628.3  Human herpesvirus 4 strain GD1, complete genome	
B95-8	gi 94734074 emb V01555.2  Epstein-Barr virus (EBV) genome, strain B95-8	
H03753A	gi 957760599 gb KR063342.1  Human herpesvirus 4 strain H03753A, partial genome	
CV-ARG	gi 957760676 gb KR063343.1  Human herpesvirus 4 strain CV-ARG, partial genome	
RPF	gi 957760753 gb KR063344.1  Human herpesvirus 4 strain RPF, partial genome	
FNR	gi 957760829 gb KR063345.1  Human herpesvirus 4 strain FNR, partial genome	
VA	gi 957760989 gb KT001102.1  Human herpesvirus 4 strain VA, partial genome	
SG	gi 957761062 gb KT001103.1  Human herpesvirus 4 strain SG, partial genome	
EBVaGC3	gi 961527962 gb KT254013.1  Human herpesvirus 4 isolate EBVaGC3, partial genome	
EBVaGC1	gi 971835372 gb KT273942.1  Human herpesvirus 4 isolate EBVaGC1, partial genome	
EBVaGC2	gi 971835443 gb KT273943.1  Human herpesvirus 4 isolate EBVaGC2, partial genome	
EBVaGC5	gi 971835583 gb KT273945.1  Human herpesvirus 4 isolate EBVaGC5, partial genome	
EBVaGC6	gi 971835652 gb KT273946.1  Human herpesvirus 4 isolate EBVaGC6, partial genome	
EBVaGC7	gi 971835723 gb KT273947.1  Human herpesvirus 4 isolate EBVaGC7, partial genome	
EBVaGC8	gi 971835791 gb KT273948.1  Human herpesvirus 4 isolate EBVaGC8, partial genome	
EBVaGC9	gi 971835862 gb KT273949.1  Human herpesvirus 4 isolate EBVaGC9, partial genome	
SNU-719	gi 995891043 dbj AP015015.1  Human herpesvirus 4 DNA, complete genome, strain: SNU-719	
YCCEL1	gi 995891127 dbj AP015016.1  Human herpesvirus 4 DNA, complete genome, strain: YCCEL1	

Supplemental Table 5. Full list of single nucleotide variant association results with significance cut off P &gt; 0.01.

EBV genomic variant positions significantly associated with eBL cases in comparison to healthy control individuals. Test <b>With</b> EBV type stratification:																
chrom	position	REF	ALT	MINA	MINU	OBSA	OBSU	P	OR	VarAAposition	VarType	RefCodon	VarCodon	RefAA	VarAA	Gene
NC_007605	37668	T	C	2	24	36	54	0.000328	0.1	485	nonsynon	TCC	CCC	S	P	BYRF1
NC_007605	95773	A	T	11	3	36	57	0.001322	6.67213	38	nonsynon	AAC	TAC	N	Y	BKRF1
NC_007605	95778	T	G	12	3	37	57	0.000538999	7.16129	39	nonsynon	CAT	CAG	H	Q	BKRF1
NC_007605	124703	T	G	7	1	34	56	0.003178	12.7377	159	nonsynon	AAG	ACG	K	T	BcLF1
NC_007605	124709	G	A	7	1	34	56	0.003092	12.7377	157	nonsynon	GCT	GTT	A	V	BcLF1
NC_007605	165131	T	C	10	36	36	57	0.004082	0.349462	29	nonsynon	GTC	GCC	V	A	BARF1
EBV genomic variant positions significantly associated with eBL cases in comparison to healthy control individuals. Test <b>Without</b> EBV type stratification:																
chrom	position	REF	ALT	MINA	MINU	OBSA	OBSU	P	OR	VarAAposition	VarType	RefCodon	VarCodon	RefAA	VarAA	Gene
NC_007605	1868	C	T	2	17	35	56	0.00516199	0.16436	45	nonsynon	CCA	TCA	P	S	BNRF1
NC_007605	36226	T	A	0	10	34	55	0.00878399	0.0698644	4	nonsynon	TTC	TAC	F	Y	BYRF1
NC_007605	36627	A	C	18	12	37	53	0.00956499	2.51786	138	nonsynon	AAT	CAT	N	H	BYRF1
NC_007605	36629	T	A	18	12	37	53	0.00950499	2.51786	138	nonsynon	AAT	AAA	N	K	BYRF1
NC_007605	36633	A	C	18	12	37	53	0.00945799	2.51786	140	nonsynon	ATT	CTT	I	L	BYRF1
NC_007605	36636	G	C	18	12	37	53	0.00955999	2.51786	141	nonsynon	GTA	CTA	V	L	BYRF1
NC_007605	36642	C	A	18	12	37	53	0.00948099	2.51786	143	nonsynon	CAA	AAA	Q	K	BYRF1
NC_007605	36644	A	C	18	12	37	53	0.00951899	2.51786	143	nonsynon	CAA	CAC	Q	H	BYRF1
NC_007605	36645	T	G	18	12	37	53	0.00955999	2.51786	144	nonsynon	TCA	GCA	S	A	BYRF1
NC_007605	36669	T	A	18	12	37	53	0.00953299	2.51786	152	nonsynon	TTG	ATG	L	M	BYRF1
NC_007605	36670	T	G	18	12	37	53	0.00952199	2.51786	152	nonsynon	TTG	TGG	L	W	BYRF1
NC_007605	36880	C	A	18	12	36	53	0.00876299	2.61111	222	nonsynon	ACT	AAT	T	N	BYRF1
NC_007605	36883	T	A	18	13	36	54	0.00979399	2.4359	223	nonsynon	CTG	CAG	L	Q	BYRF1
NC_007605	36888	C	G	18	13	36	54	0.00977199	2.4359	225	nonsynon	CCC	GCC	P	A	BYRF1
NC_007605	36894	C	A	18	13	36	54	0.00984699	2.4359	227	nonsynon	CCA	ACA	P	T	BYRF1
NC_007605	36898	T	C	18	13	36	54	0.00982999	2.4359	228	nonsynon	CTA	CCA	L	P	BYRF1
NC_007605	36901	T	C	18	13	36	54	0.00984299	2.4359	229	nonsynon	CTC	CCC	L	P	BYRF1

NC_007605	36907	T	C	18	13	36	54	0.00975699	2.4359	231	nonsynon	GTA	GCA	V	A	BYRF1
NC_007605	36910	T	C	18	13	36	54	0.00980199	2.4359	232	nonsynon	CTA	CCA	L	P	BYRF1
NC_007605	37074	C	T	17	12	35	54	0.00825199	2.56604	287	nonsynon	CCT	TCT	P	S	BYRF1
NC_007605	37086	C	T	17	12	35	54	0.00820199	2.56604	291	nonsynon	CCC	TCC	P	S	BYRF1
NC_007605	37124	G	C	17	12	35	54	0.00829799	2.56604	303	nonsynon	CAG	CAC	Q	H	BYRF1
NC_007605	37206	C	A	17	13	34	55	0.00883099	2.48718	331	nonsynon	CCG	ACG	P	T	BYRF1
NC_007605	37210	A	C	17	13	34	55	0.00882999	2.48718	332	nonsynon	CAA	CCA	Q	P	BYRF1
NC_007605	37212	C	A	17	13	34	55	0.00899699	2.48718	333	nonsynon	CCC	ACC	P	T	BYRF1
NC_007605	37245	A	G	17	12	34	53	0.00769299	2.61111	344	nonsynon	AGC	GGC	S	G	BYRF1
NC_007605	37249	G	A	17	12	34	53	0.00769599	2.61111	345	nonsynon	AGG	AAG	R	K	BYRF1
NC_007605	37462	A	C	18	12	37	53	0.00932399	2.51786	416	nonsynon	CAC	CCC	H	P	BYRF1
NC_007605	37479	G	A	18	12	37	54	0.00935899	2.57143	422	nonsynon	GTT	ATT	V	I	BYRF1
NC_007605	37515	C	G	18	12	37	54	0.00935399	2.57143	434	nonsynon	CCA	GCA	P	A	BYRF1
NC_007605	37516	C	A	18	12	37	54	0.00928499	2.57143	434	nonsynon	CCA	CAA	P	Q	BYRF1
NC_007605	37521	G	C	18	12	37	54	0.00942099	2.57143	436	nonsynon	GCT	CCT	A	P	BYRF1
NC_007605	37560	A	T	18	12	37	53	0.00942999	2.51786	449	nonsynon	ATA	TTA	I	L	BYRF1
NC_007605	37668	T	C	2	24	36	54	6.30E-05	0.1	485	nonsynon	TCC	CCC	S	P	BYRF1
NC_007605	57209	C	G	5	23	38	57	0.004096	0.278628	677	nonsynon	GAG	GAC	E	D	BPLF1
NC_007605	57333	G	A	5	23	37	57	0.004228	0.286704	636	nonsynon	CCA	CTA	P	L	BPLF1
NC_007605	59221	C	T	4	0	36	58	0.00979199	15.3066	7	nonsynon	GGG	AGG	G	R	BPLF1
NC_007605	59230	C	T	4	21	37	58	0.00581599	0.258503	4	nonsynon	GGC	AGC	G	S	BPLF1
NC_007605	64132	G	A	10	33	34	57	0.00713199	0.423197	5	nonsynon	AGT	AAT	S	N	BORF2
NC_007605	72849	G	T	3	0	16	53	0.00531599	25.2712	582	nonsynon	CCT	CAT	P	H	BSLF1
NC_007605	73309	C	T	3	0	18	55	0.00638299	23.0896	429	nonsynon	GCA	ACA	A	T	BSLF1
NC_007605	85291	C	T	8	14	12	54	0.00807599	3.35714	717	nonsynon	CCT	TCT	P	S	EBNA3B
NC_007605	85877	C	A	0	13	32	57	0.002436	0.0582831	912	nonsynon	GCT	GAT	A	D	EBNA3B
NC_007605	86101	C	G	18	16	30	55	0.00623499	2.51786	7	nonsynon	CAG	GAG	Q	E	EBNA3C
NC_007605	86114	G	T	18	16	29	55	0.003552	2.64375	11	nonsynon	AGA	ATA	R	I	EBNA3C
NC_007605	86132	A	C	18	16	30	55	0.00619199	2.51786	17	nonsynon	GAG	GCG	E	A	EBNA3C
NC_007605	86153	C	A	18	15	29	54	0.003453	2.79	24	nonsynon	ACT	AAT	T	N	EBNA3C

NC_007605	86167	G	A	18	15	30	54	0.003837	2.65714	29	nonsynon	GAT	AAT	D	N	EBNA3C
NC_007605	86168	A	T	18	15	30	54	0.003826	2.65714	29	nonsynon	GAT	GTT	D	V	EBNA3C
NC_007605	86191	C	T	18	15	30	54	0.003793	2.65714	37	nonsynon	CCA	TCA	P	S	EBNA3C
NC_007605	86194	T	A	18	15	30	54	0.003827	2.65714	38	nonsynon	TCC	ACC	S	T	EBNA3C
NC_007605	86197	A	G	18	15	30	54	0.003815	2.65714	39	nonsynon	AGT	GGT	S	G	EBNA3C
NC_007605	86222	C	A	18	15	29	54	0.00341	2.79	47	nonsynon	CCA	CAA	P	Q	EBNA3C
NC_007605	86224	G	A	18	15	29	54	0.003435	2.79	48	nonsynon	GAA	AAA	E	K	EBNA3C
NC_007605	86226	A	C	18	15	29	54	0.003494	2.79	48	nonsynon	GAA	GAC	E	D	EBNA3C
NC_007605	86230	T	C	18	15	29	54	0.003445	2.79	50	nonsynon	TCA	CCA	S	P	EBNA3C
NC_007605	86251	C	T	18	15	29	54	0.003432	2.79	57	nonsynon	CCT	TCT	P	S	EBNA3C
NC_007605	86254	T	C	18	15	29	54	0.003442	2.79	58	nonsynon	TGG	CGG	W	R	EBNA3C
NC_007605	86265	C	A	18	16	29	55	0.003616	2.64375	61	nonsynon	AGC	AGA	S	R	EBNA3C
NC_007605	86689	A	G	18	16	30	57	0.003895	2.625	178	nonsynon	CAA	CGA	Q	R	EBNA3C
NC_007605	86697	C	T	17	16	29	57	0.00698299	2.53963	181	nonsynon	CCC	TCC	P	S	EBNA3C
NC_007605	86839	C	T	17	17	29	57	0.00815199	2.36585	228	nonsynon	ACA	ATA	T	I	EBNA3C
NC_007605	86848	A	C	18	17	30	57	0.00832999	2.44538	231	nonsynon	CAT	CCT	H	P	EBNA3C
NC_007605	86938	A	T	18	17	31	57	0.00909499	2.33422	261	nonsynon	TAT	TTT	Y	F	EBNA3C
NC_007605	86973	A	G	19	16	31	57	0.002155	2.7064	273	nonsynon	ATC	GTC	I	V	EBNA3C
NC_007605	87052	A	G	18	17	30	56	0.00823799	2.39496	299	nonsynon	AAT	AGT	N	S	EBNA3C
NC_007605	87054	C	T	18	17	30	56	0.00826899	2.39496	300	nonsynon	CCA	TCA	P	S	EBNA3C
NC_007605	87179	C	A	18	17	31	56	0.00963899	2.2861	341	nonsynon	AAC	AAA	N	K	EBNA3C
NC_007605	87187	G	T	18	17	31	56	0.00962999	2.2861	344	nonsynon	CGA	CTA	R	L	EBNA3C
NC_007605	87522	G	A	17	15	30	54	0.00775599	2.45116	456	nonsynon	GAA	AAA	E	K	EBNA3C
NC_007605	87528	T	C	17	15	29	55	0.00677399	2.62602	458	nonsynon	TCA	CCA	S	P	EBNA3C
NC_007605	87535	T	A	17	15	29	55	0.00673599	2.62602	460	nonsynon	GTG	GAG	V	E	EBNA3C
NC_007605	87537	A	C	17	15	29	55	0.00676999	2.62602	461	nonsynon	ACC	CCC	T	P	EBNA3C
NC_007605	87555	C	A	18	15	29	55	0.001715	2.85	467	nonsynon	CCG	ACG	P	T	EBNA3C
NC_007605	87565	T	C	18	16	30	55	0.00635399	2.51786	470	nonsynon	GTG	GCG	V	A	EBNA3C
NC_007605	87568	A	G	18	15	30	55	0.003646	2.71429	471	nonsynon	GAG	GGG	E	G	EBNA3C
NC_007605	87571	T	G	18	15	30	55	0.003663	2.71429	472	nonsynon	ATG	AGG	M	R	EBNA3C

NC_007605	87573	C	T	18	15	29	55	0.001682	2.85	473	nonsynon	CCA	TCA	P	S	EBNA3C
NC_007605	87577	T	C	17	15	28	55	0.003011	2.76068	474	nonsynon	ATG	ACG	M	T	EBNA3C
NC_007605	87591	C	G	16	15	28	55	0.00658399	2.53333	479	nonsynon	CAA	GAA	Q	E	EBNA3C
NC_007605	87609	A	G	16	15	28	55	0.00660899	2.53333	485	nonsynon	AAA	GAA	K	E	EBNA3C
NC_007605	87612	C	G	16	15	28	55	0.00655499	2.53333	486	nonsynon	CCG	GCG	P	A	EBNA3C
NC_007605	87618	C	T	16	15	28	55	0.00656199	2.53333	488	nonsynon	CCA	TCA	P	S	EBNA3C
NC_007605	87621	G	T	16	15	28	55	0.00655099	2.53333	489	nonsynon	GTC	TTC	V	F	EBNA3C
NC_007605	87630	A	C	16	15	28	55	0.00660599	2.53333	492	nonsynon	ACG	CCG	T	P	EBNA3C
NC_007605	87684	G	A	16	15	27	55	0.00532199	2.66667	510	nonsynon	GTC	ATC	V	I	EBNA3C
NC_007605	87719	T	G	16	15	27	55	0.00524299	2.66667	521	nonsynon	GAT	GAG	D	E	EBNA3C
NC_007605	87720	T	G	16	15	27	55	0.00537199	2.66667	522	nonsynon	TCA	GCA	S	A	EBNA3C
NC_007605	87721	C	A	16	15	27	55	0.00534799	2.66667	522	nonsynon	TCA	TAA	S	Z	EBNA3C
NC_007605	87723	T	C	16	15	27	55	0.00531499	2.66667	523	nonsynon	TCG	CCG	S	P	EBNA3C
NC_007605	87732	T	A	16	15	27	55	0.00535199	2.66667	526	nonsynon	TCA	ACA	S	T	EBNA3C
NC_007605	87742	A	G	16	15	27	55	0.00533999	2.66667	529	nonsynon	AAT	AGT	N	S	EBNA3C
NC_007605	87760	A	C	16	15	27	55	0.00533499	2.66667	535	nonsynon	CAT	CCT	H	P	EBNA3C
NC_007605	87804	G	A	16	15	27	54	0.00544099	2.61053	550	nonsynon	GCG	ACG	A	T	EBNA3C
NC_007605	87805	C	T	16	15	27	54	0.00546799	2.61053	550	nonsynon	GCG	GTG	A	V	EBNA3C
NC_007605	87813	A	C	16	15	27	54	0.00554399	2.61053	553	nonsynon	ACC	CCC	T	P	EBNA3C
NC_007605	87831	A	G	16	15	27	54	0.00547099	2.61053	559	nonsynon	ACT	GCT	T	A	EBNA3C
NC_007605	88162	T	A	16	17	27	58	0.00675599	2.45201	669	nonsynon	CTG	CAG	L	Q	EBNA3C
NC_007605	88167	T	C	16	17	27	58	0.00679799	2.45201	671	nonsynon	TCC	CCC	S	P	EBNA3C
NC_007605	88458	C	G	6	31	28	56	0.003648	0.313548	768	nonsynon	CCC	GCC	P	A	EBNA3C
NC_007605	88501	A	C	16	16	27	56	0.00610599	2.52632	782	nonsynon	CAC	CCC	H	P	EBNA3C
NC_007605	88554	T	C	16	17	26	58	0.00561299	2.58824	800	nonsynon	TCT	CCT	S	P	EBNA3C
NC_007605	88566	T	A	16	17	27	58	0.00676599	2.45201	804	nonsynon	TGT	AGT	C	S	EBNA3C
NC_007605	88632	G	A	18	17	30	58	0.00455	2.4958	826	nonsynon	GAT	AAT	D	N	EBNA3C
NC_007605	88634	T	A	18	17	30	58	0.004556	2.4958	826	nonsynon	GAT	GAA	D	E	EBNA3C
NC_007605	88638	A	T	18	17	30	58	0.00452	2.4958	828	nonsynon	AGG	TGG	R	W	EBNA3C
NC_007605	88641	G	T	18	17	30	58	0.004551	2.4958	829	nonsynon	GCA	TCA	A	S	EBNA3C

NC_007605	88644	C	G	18	16	30	58	0.003963	2.67857	830	nonsynon	CCA	GCA	P	A	EBNA3C
NC_007605	88718	A	T	18	16	30	57	0.003835	2.625	854	nonsynon	CAA	CAT	Q	H	EBNA3C
NC_007605	89555	G	T	24	19	39	57	0.00537299	2.22222	92	nonsynon	CAA	AAA	Q	K	BZLF2
NC_007605	89603	C	T	23	19	38	56	0.00907499	2.12413	76	nonsynon	GTA	ATA	V	I	BZLF2
NC_007605	90216	T	A	22	17	39	57	0.00883799	2.2416	176	nonsynon	GAA	GAT	E	D	BZLF1
NC_007605	90380	T	A	25	21	38	58	0.004861	2.21755	163	nonsynon	CAA	CTA	Q	L	BZLF1
NC_007605	90413	A	G	25	21	38	58	0.004878	2.21755	152	nonsynon	GTG	GCG	V	A	BZLF1
NC_007605	90431	A	G	25	21	38	58	0.004837	2.21755	146	nonsynon	GTT	GCT	V	A	BZLF1
NC_007605	90642	A	G	26	21	39	58	0.002836	2.2619	76	nonsynon	TCT	CCT	S	P	BZLF1
NC_007605	90666	T	C	26	21	39	58	0.002844	2.2619	68	nonsynon	ACC	GCC	T	A	BZLF1
NC_007605	92591	G	A	3	0	22	57	0.00976799	19.3133	102	nonsynon	GCG	GTG	A	V	BRLF1
NC_007605	95773	A	T	11	3	36	57	0.000754999	6.67213	38	nonsynon	AAC	TAC	N	Y	BKRF1
NC_007605	95778	T	G	12	3	37	57	0.000331	7.16129	39	nonsynon	CAT	CAG	H	Q	BKRF1
NC_007605	100861	C	T	3	0	15	55	0.004079	28.1273	371	nonsynon	GGG	AGG	G	R	BBLF4
NC_007605	100863	T	C	3	0	15	55	0.004091	28.1273	370	nonsynon	CAG	CGG	Q	R	BBLF4
NC_007605	100864	G	A	3	0	15	55	0.004087	28.1273	370	nonsynon	CAG	TAG	Q	Z	BBLF4
NC_007605	100870	C	T	3	0	15	55	0.004037	28.1273	368	nonsynon	GCC	ACC	A	T	BBLF4
NC_007605	100872	G	A	3	0	15	55	0.004072	28.1273	367	nonsynon	ACT	ATT	T	I	BBLF4
NC_007605	101364	T	C	5	0	20	55	0.000414	34.2394	203	nonsynon	GAA	GGA	E	G	BBLF4
NC_007605	101371	C	G	5	0	20	55	0.000448	34.2394	201	nonsynon	GTG	CTG	V	L	BBLF4
NC_007605	124703	T	G	7	1	34	56	0.002196	12.7377	159	nonsynon	AAG	ACG	K	T	BcLF1
NC_007605	124709	G	A	7	1	34	56	0.002193	12.7377	157	nonsynon	GCT	GTT	A	V	BcLF1
NC_007605	158849	C	A	4	0	34	58	0.00844099	16.2558	6	nonsynon	GTG	TTG	V	L	BALF4
NC_007605	165131	T	C	10	36	36	57	0.000943999	0.349462	29	nonsynon	GTC	GCC	V	A	BARF1
NC_007605	70812	G	C	4	0	30	56	0.00643099	17.9204	361	nonsynon	GAC	GAG	D	E	BSLF2_BMLF1

**Supplemental Table 6. Nucleotide variant compositions of each isolate in their BZLF1 gene upstream promoter region. Nucleotide positions are in upstream relative to TSS of BZLF1 gene. -532 and -524 are variant position within our isolates while these two are not in both promoter types.**

			-532	-524		-525	-460	-365	-274	-141	-106	-100	Zp promoter type
NC_007605	Type1 Ref		G	A		C	A	G	C	A	A	T	Zp-P
M81 strain			G	A		A	G	A	A	G	G	G	Zp-V3
eBL-Plasma-0049	Inter-typic	eBL	A	G		C	G	A	C	G	G	G	Zp-V3
eBL-Tumor-0033	Inter-typic	eBL	A	G		C	G	A	C	A	A	T	Zp-P Chimeric with -141A
eBL-Tumor-0012	Inter-typic	eBL	A	G		C	G	A	C	G	G	G	Zp-V3
eBL-Tumor-0001	Type1	eBL	G	A		C	A	G	C	A	A	T	Zp-P
eBL-Tumor-0018	Type1	eBL	A	G		C	G	A	C	G	G	G	Zp-V3
eBL-Tumor-0002	Type1	eBL	G	A		C	A	G	C	A	A	T	Zp-P
eBL-Plasma-0042	Type1	eBL	G	A		C	A	G	C	A	A	T	Zp-P
eBL-Plasma-0044	Type1	eBL	G	A		C	A	G	C	A	G	G	Zp-P Chimeric with -141A
eBL-Plasma-0045	Type1	eBL	G	A		C	A	G	C	A	A	T	Zp-P
eBL-Plasma-0046	Type1	eBL	N	N		N	N	N	N	N	N	N	NA
eBL-Plasma-0047	Type1	eBL	G	A		C	A	G	C	A	A	T	Zp-P
eBL-Plasma-0050	Type1	eBL	G	A		C	A	G	C	A	A	T	Zp-P
eBL-Plasma-0051	Type1	eBL	G	A		C	A	G	C	A	A	T	Zp-P
eBL-Plasma-0052	Type1	eBL	G	A		C	A	G	C	A	A	T	Zp-P
eBL-Plasma-0053	Type1	eBL	G	A		C	A	G	C	A	A	T	Zp-P
eBL-Plasma-0055	Type1	eBL	A	G		C	G	A	C	G	G	G	Zp-V3
eBL-Tumor-0019	Type1	eBL	G	A		C	A	G	C	A	A	T	Zp-P
eBL-Tumor-0004	Type1	eBL	G	A		C	A	G	C	A	A	T	Zp-P
eBL-Tumor-0005	Type1	eBL	G	A		C	A	G	C	A	A	T	Zp-P
eBL-Tumor-0021	Type1	eBL	G	A		C	A	G	C	A	A	T	Zp-P
eBL-Tumor-0006	Type1	eBL	G	A		C	A	G	C	A	A	T	Zp-P
eBL-Tumor-0007	Type1	eBL	G	A		C	A	G	C	A	A	T	Zp-P
eBL-Tumor-0022	Type1	eBL	G	A		C	A	G	C	A	A	T	Zp-P
eBL-Tumor-0023	Type1	eBL	G	A		C	A	G	C	A	A	T	Zp-P
eBL-Tumor-0025	Type1	eBL	A	G		C	G	A	C	G	G	G	Zp-V3
eBL-Tumor-0027	Type1	eBL	G	A		C	A	G	C	A	A	T	Zp-P
eBL-Tumor-0037	Type1	eBL	G	A		C	A	G	C	A	A	T	Zp-P
eBL-Tumor-0029	Type1	eBL	G	A		C	A	G	C	A	A	T	Zp-P



**Supplemental Table 6. Nucleotide variant compositions of each isolate in their BZLF1 gene upstream promoter region. Nucleotide positions are in upstream relative to TSS of BZLF1 gene. -532 and -524 are variant position within our isolates while these two are not in both promoter types.**

			-532	-524		-525	-460	-365	-274	-141	-106	-100	Zp promoter type
NC_007605	Type1 Ref		G	A		C	A	G	C	A	A	T	Zp-P
M81 strain			G	A		A	G	A	A	G	G	G	Zp-V3
eBL-Tumor-0038	Type1	eBL	G	A		C	A	G	C	A	A	T	Zp-P
eBL-Tumor-0039	Type1	eBL	G	A		C	A	G	C	A	A	T	Zp-P
eBL-Tumor-0041	Type1	eBL	G	A		C	A	G	C	A	A	T	Zp-P
eBL-Tumor-0030	Type1	eBL	G	A		C	A	G	C	A	A	T	Zp-P
eBL-Tumor-0009	Type1	eBL	G	A		C	A	G	C	A	A	T	Zp-P
eBL-Tumor-0031	Type1	eBL	G	A		C	A	G	C	A	A	T	Zp-P
eBL-Tumor-0032	Type1	eBL	A	G		C	G	A	C	A	A	T	Zp-P Chimeric with -141A
eBL-Tumor-0010	Type1	eBL	G	A		C	A	G	C	A	A	T	Zp-P
eBL-Tumor-0011	Type1	eBL	A	G		C	G	A	C	G	G	G	Zp-V3
eBL-Tumor-0013	Type1	eBL	G	A		C	A	G	C	A	A	T	Zp-P
eBL-Tumor-0034	Type1	eBL	G	A		C	A	G	C	A	A	T	Zp-P
eBL-Tumor-0014	Type1	eBL	G	A		C	A	G	C	A	A	T	Zp-P
eBL-Tumor-0015	Type1	eBL	A	G		C	G	A	C	G	G	G	Zp-V3
eBL-Tumor-0016	Type1	eBL	G	A		C	A	G	C	A	A	T	Zp-P
eBL_CL-01	Type1	eBL	G	A		C	A	G	C	A	A	T	Zp-P
eBL_CL-03	Type1	eBL	G	A		C	A	G	C	A	A	T	Zp-P
HC-0030	Type1	HealthyControl	N	N		N	N	N	N	N	N	N	NA
HC-0032	Type1	HealthyControl	N	N		N	G	N	N	N	N	N	NA
HC-0035	Type1	HealthyControl	A	G		C	N	N	C	G	G	G	Most likely Zp-V3
HC-0036	Type1	HealthyControl	N	N		N	N	N	N	N	N	N	NA
HC-0037	Type1	HealthyControl	G	A		C	A	G	C	A	A	T	Zp-P
HC-0001	Type1	HealthyControl	N	N		N	N	N	N	N	N	N	NA
HC-0003	Type1	HealthyControl	G	A		C	A	G	C	A	A	T	Zp-P
HC-0007	Type1	HealthyControl	N	N		N	N	G	N	A	A	T	Most likely Zp-P
HC-0008	Type1	HealthyControl	N	N		N	N	N	C	N	N	N	NA
HC-0009	Type1	HealthyControl	G	A		C	A	G	C	A	A	T	Zp-P
HC-0010	Type1	HealthyControl	N	N		N	N	N	N	N	N	N	NA
HC-0013	Type1	HealthyControl	N	N		N	N	N	N	N	N	N	NA

**Supplemental Table 6. Nucleotide variant compositions of each isolate in their BZLF1 gene upstream promoter region. Nucleotide positions are in upstream relative to TSS of BZLF1 gene. -532 and -524 are variant position within our isolates while these two are not in both promoter types.**

			-532	-524		-525	-460	-365	-274	-141	-106	-100	Zp promoter type
NC_007605	Type1 Ref		G	A		C	A	G	C	A	A	T	Zp-P
M81 strain			G	A		A	G	A	A	G	G	G	Zp-V3
HC-0015	Type1	HealthyControl	A	G		C	G	A	C	G	G	G	Zp-V3
HC-0017	Type1	HealthyControl	N	N		N	N	N	N	N	N	N	NA
HC-0020	Type1	HealthyControl	N	N		N	N	N	N	N	N	N	NA
HC-0021	Type1	HealthyControl	N	N		N	A	G	C	A	A	T	Most likely Zp-P
HC-0024	Type1	HealthyControl	N	N		N	G	N	N	N	N	N	NA
HC-0025	Type1	HealthyControl	N	N		N	A	N	C	A	A	T	Most likely Zp-P
HC-0029	Type1	HealthyControl	G	A		C	A	G	C	A	A	T	Zp-P
eBL-Tumor-0017	Type2	eBL	A	G		C	G	A	C	G	G	G	Zp-V3
eBL-Plasma-0043	Type2	eBL	A	G		C	G	A	C	G	G	G	Zp-V3
eBL-Plasma-0048	Type2	eBL	N	N		N	N	N	N	N	G	N	NA
eBL-Plasma-0054	Type2	eBL	A	G		C	G	A	C	G	G	G	Zp-V3
eBL-Tumor-0003	Type2	eBL	N	N		N	N	N	N	N	N	N	NA
eBL-Tumor-0035	Type2	eBL	A	G		C	G	A	C	G	G	G	Zp-V3
eBL-Tumor-0020	Type2	eBL	A	G		C	G	A	C	G	G	G	Zp-V3
eBL-Tumor-0008	Type2	eBL	A	G		C	G	A	C	G	G	G	Zp-V3
eBL-Tumor-0036	Type2	eBL	A	G		C	G	A	C	G	G	G	Zp-V3
eBL-Tumor-0024	Type2	eBL	A	G		C	G	A	C	G	G	G	Zp-V3
eBL-Tumor-0026	Type2	eBL	A	G		C	G	A	C	G	G	G	Zp-V3
eBL-Tumor-0028	Type2	eBL	A	G		C	G	A	C	G	G	G	Zp-V3
eBL-Tumor-0040	Type2	eBL	A	G		C	G	A	C	G	G	G	Zp-V3
eBL_CL-02	Type2	eBL	A	G		C	G	A	C	G	G	G	Zp-V3
HC-0031	Type2	HealthyControl	N	N		N	N	N	N	N	N	N	NA
HC-0033	Type2	HealthyControl	N	N		N	N	N	N	N	N	N	NA
HC-0034	Type2	HealthyControl	N	N		N	N	N	N	G	G	G	Most likely Zp-V3
HC-0038	Type2	HealthyControl	N	N		N	N	N	N	N	N	N	NA
HC-0002	Type2	HealthyControl	A	G		C	G	A	C	G	G	G	Zp-V3
HC-0004	Type2	HealthyControl	A	G		C	G	A	C	G	G	G	Zp-V3
HC-0005	Type2	HealthyControl	A	G		C	G	A	C	G	G	G	Zp-V3

**Supplemental Table 6. Nucleotide variant compositions of each isolate in their BZLF1 gene upstream promoter region. Nucleotide positions are in upstream relative to TSS of BZLF1 gene. -532 and -524 are variant position within our isolates while these two are not in both promoter types.**

			-532	-524		-525	-460	-365	-274	-141	-106	-100	Zp promoter type
NC_007605	Type1 Ref		G	A		C	A	G	C	A	A	T	Zp-P
M81 strain			G	A		A	G	A	A	G	G	G	Zp-V3
HC-0006	Type2	HealthyControl	N	N		N	N	N	N	N	N	N	NA
HC-0011	Type2	HealthyControl	N	N		N	N	N	N	N	N	N	NA
HC-0012	Type2	HealthyControl	N	N		N	N	N	N	N	N	N	NA
HC-0014	Type2	HealthyControl	N	N		N	N	N	N	G	G	G	Most likely Zp-V3
HC-0016	Type2	HealthyControl	A	G		C	G	A	C	G	G	G	Zp-V3
HC-0039	Type2	HealthyControl	N	N		N	N	N	N	N	N	N	NA
HC-0018	Type2	HealthyControl	N	N		N	N	N	N	N	N	N	NA
HC-0019	Type2	HealthyControl	A	G		C	G	A	C	G	G	G	Zp-V3
HC-0022	Type2	HealthyControl	A	G		C	G	A	C	G	G	G	Zp-V3
HC-0023	Type2	HealthyControl	A	G		C	G	N	C	N	G	G	Most likely Zp-V3
HC-0040	Type2	HealthyControl	A	G		C	G	A	C	G	G	G	Zp-V3
HC-0026	Type2	HealthyControl	A	G		C	G	A	C	G	G	G	Zp-V3
HC-0027	Type2	HealthyControl	A	G		C	G	A	C	G	G	G	Zp-V3
HC-0028	Type2	HealthyControl	A	G		C	G	A	C	G	G	G	Zp-V3

Supplemental Table 7. RNA bait sequences used in EBV specific hybrid capture enrichment reactions

Bait Name	ID	Bait Sequence	Ratio in synthesis
wt-0-120	1	AGAATTCGCTTGTCTATTACCCCTTACTTTTCTTCTTCCCGCTTCTCTTCTTAGTATGAATCCAGATATGCCTGCCTGAATTGTTGCGCCCTACCTCTTTGGCTGGCGCTATTGC	4
wt-120-240	2	CGCCTCGTGTTCACGGCCCTCAGTTAGTACCCTTGTGACCCGCCACCGGCTTGGCCCTCTCACTTCTACTCTTGGCAGCAGTGGCCAGCTCATATGCCCGTGCACAAAGGAAACTGCTGAC	4
wt-240-360	3	ACCGGTGACAGTCTACTCGGTTGTCACTTGTGAGTACACAGCCACCTTTACAATGCATGATGTTCCGTGAGATTGATCTGTCTTAACAGTTCACTTCTCTGCTTTTCTCTGCT	4
wt-360-480	4	CTTTGCAATTTGCCTAACATGGAGATTGAGGACCCACCTTTTAATCTCTTCTGTTTACGATGTGCCCGCAGCTGGCGGACTACAAGGCATTTACGGTTAGTGTGCCTCTGTTATGAA	4
wt-480-600	5	ATGCAAGTTTGACTTCATATGTATGCCTTGGCATGACGTCAACTTTACTTTTATTTCAGTCTGGTGATGCTTGTGCTCCTGATACTAGCTACAGAAGGAGATGGCGCCGTTTACTGT	4
wt-600-720	6	TTGTGGCGGCATCATGTTTTGGGATGTGACTTGTCCCTCATCGTGCAGCTGTTTTGCGAGCTGAGTCCCTCCTTGGAGCTGTAACGTGGTTTTCCATGACGCTGCTGCTACTGGCTTT	4
wt-720-840	7	CGTCTCTGGCTCTTCCGCCAGGGGGCCTAGTACTCTTGGTGCAGCCCTTTTAAACATTGGCAGCAGGTAAGCCACACGTGTGACATTGCTTGCCTTTTGGCCACATGTTTTCTGGACA	4
wt-840-960	8	CAGGACTAACCATGCCATCTGATTATAGCTCTGGCACTGCTAGCGTCACTGATTTGGGCACACTTAACTTACTACAATGTTCTTCTCATGCTCTATGGACACTTGGTAAGTTTT	4
wt-960-1080	9	CCCTTCTTTAACTCATTACTTGTCTTTTGTAAATCGCAGCTCTAACTTGGCATCTTTTTACAGTGGTCTCCTGATTTGCTTTCGTGCTCTTCAATGCCACTGAGCAAGATCCTCT	4
wt-1080-1200	10	GGCAGACTGTTCCATATAGCTCTCGCACTCTTGTGCTAGCCTCCCGCTAACTCGTGGTGGCAGTATTTTGAACAAACTTCAAGAGTTTAAAGCAGCACTGAATTTATACCCAGTGA	4
wt-1200-1320	11	GTATCTATTTGTTACTCCTGTTTAGTTGAAGAAAACAAGCTATTGGATTGTAACACACATTTTACGCTTGTCTTCTAGATTTGTTCTGCATGTTTACTGATTGTGCTGGCATACTC	4
wt-1320-1440	12	TTCATCTTGTCTATCCTGACCGAATGGGGCAGTGGAAATAGAACATACGGTCCAGTTTTATGTGCCCTGGTGGCCCTGCTCACCATGGTAGCCGGCGCTGTGTGGCTGACGGTGATGTCT	4
wt-1440-1560	13	AACACGCTTTTGTCTGCCTGGATTCTTACAGCAGGATTCCTGATTTTCTCATTGGTAAGTGTGACACCAACAGGTGTGCCCTGTTATGTCACCGTCTGACACATGACTTACATGGT	4
wt-1560-1680	14	TTGGCTTTTGTAGGCTTTGCCCTCTTTGGGGTCAATTAGATGCTGCCGCTACTGCTGCTACTGCTTACACTGGAAAGTGGAGAGCGCCACCGCCCATATCGCAACACTGTATAA	4
wt-1680-1800	15	AGGTAAGTATTATAAATTTAGAGACTATCACGTGTAACCTGACGTGCAAGGATGGAAGAGAGGGGCGAGGAAACGCAATGCCGGTGTGCCGGTATGGGGCCCGTTTATTATGGT	4
wt-1800-1920	16	AAGGCTCTCGGGCAAGATGGAGAGCAACATACAGGAGGAAAGGCTATATGAGTACTCTGTACCACGCTCCGCGCTGGCCTAGACCCGGGGCCCTGATTGCTGAGAACCTGCT	4
wt-1920-2040	17	GCTAGTGGCGCTGCGTGGCACCACACGATCCAGGCCTCAGCGTCAGGAGAGGGCCAGAGAAGTGGCCCTCGTGGCATTCTACTAGGAAACGGCGAGCAGGGTGAACACTTGGGCAC	4
wt-2040-2160	18	GGAGAGTGGCCTGGAGGCCCTCAGGCAACACTATGTATGCCTACGGACCAGACTGGATGGCAAGGCCCTCCACATGTTCCGCGGAAATCCAGCAATTCCTGCGACTCCTGGGGCCAC	4
wt-2160-2280	19	GTACGTGCTTCGCGTGGAGATGGCGAGGCAAGTTGGCTTCGAGGTGCATGAAGCCCGCCCTCTCCGTCAGTTCCAGGCCATCAATCACTTGTCTGTTGACAACGCCCTTCGCCAA	4
wt-2280-2400	20	GTACGATTCGGCCAGGTGGCGCGGGCTTCCAGAGGGCCCTTCTGTTGGCCGGCCAGAGACCGCTGACACGAGGCCGGACCTCCGCAAGCTGAATGAGTGGGTGTTTGGTGGCAGGGC	8
wt-2400-2520	21	TGCTGGTGGCAGACAGCTGGCCGACGAGCTAAAGATCGTCCGCGCTGCGAGACACTTACTGGGCCACTTGGTCTTACGCCACGGAGACCTTGACACATGGAAGGTGTTGAGCAG	4
wt-2520-2640	22	GGACACACGAACCGCTCATAGTTTGGAGCAGGATTCATTATGCCCGGGGACCATCCAGGCCAACTGCCACAGCTGTTTATGAGACGCCAGCACCOCGGCTCTTCCCTTCGTTAA	4
wt-2640-2760	23	TGCAATAGCATCATCGTGGGCTGGTACTACCAGACCGCCACCGCCCGGAGCAGATGCCAGGGCGGGCCCGGCCCAACAGGCCCTTTCAGACCAGGGCGGGGCTGAATGCCATGC	8
wt-2760-2880	24	CAAAAGCGGGTGGCGGCTGTCGGCCCTTCTACAGGACCATCAAGCCACGCTCAAGGGAGGAGGGCCCTACAGCCCACTATGTTTAAACGGGAGCTGGGGCCATCAAGCACCAGGC	4
wt-2880-3000	25	ACTTGACACTGTGAGGTATGACTACGGCCACTTCTATAAATGTTGGGGCCATTCCAGCCATGGAGCGACTGACGGCCCTCCGTCGCCCTACGCCGAAAGTTTATGGGCACAGCGCCG	4
wt-3000-3120	26	CGTGCAGACGGCCCTCGAGCTGTTCTCGGCCCTGTACCCGGCCCGTGCATCTCGGGTACGCGCGCCCGGGCCCAAGTGTGTGATCGAGCATCTGGGGTCCCTAGTTCCAAAGGG	8
wt-3120-3240	27	GGGTCTGCTGTTGTTCTGTCTACCTACCGGATGATGTTAAGGACGGGCTCGGAGAAATGGGGCCGGCCAGGGCCACGGGACCTGGAATGCAGCAGTTTGTGACGACTACTTCCCTAA	4
wt-3240-3360	28	CCCCGCTGTTCCAACGCTTTCATTACAGTGGAGCAGCGAGGGGAGAAGTCAACGGCCGTACCGTCTCCAAAGCCTCGGACGCGCATGCGATATGGCAGGCTGCCAGCACTATGTGCT	4
wt-3360-3480	29	GGGCTCCACGTTTCCCTCGGTGGACTCAACTTTGTCAACGACCTGGCGTCCCGGTTTCCACCGCCGAGATGATGATGATTTCTCCCTTCTTACCCTGGAGTTTCCCCGATTCA	4
wt-3480-3600	30	AGAGGAGGGCGCAAGTTCCCGTACCCTTAGATGTGGACGAGCATGGACATCTCCGCTTACGAGTTCCCTGGCTCTCGCTGGAGTCATGCCCTACAAGCATCTGTCACACCC	4
wt-3600-3720	31	CACCGTGGGAAGCAAGGAGCACTTGGTCAGGCACACGGACAGGGTCCAGCGGAGGACGCGTGGCAGCAGCAGCCCGGGTAGGTCCTCCCTGGACCTGCCGCTGGCGGACTACGCCCTCGTTGC	8
wt-3720-3840	32	CCACAGTCAAGTCTGGACCAGGCCGGTGGGGCTCCTCCCTTCCCTTATCGTACCTGGGATCGAATGACAGAGAAGCTGCTTGTCTCCGCAAACCCGGGGAGAGAACGTTAAGGTTTC	4
wt-3840-3960	33	AGGTACCGTGATTACATTTGGGAGAACAGGGGTACAAAGTGTCTGTTGATCTGAGGGAGGGAAACCAGGCTGGCAATGGCTGAGGCGCTGCTGAACGCAGCATGTGCCCAATCTTGGATCC	4
wt-4080-4200	35	CTTTGGCTCGGCCTCTGCCCGAGACCGGCTCGTCCGCTCCAACCTTATGACCGTGGTGGCTCTGTCTCCGCCACGGGAAATCTCGGGTCTCTGATCACGCCAGTGTTCAGAA	4
wt-4200-4320	36	GACGGCAGTCTCCTGATTGCGGTGCGTTGCGGGGATGGCAAGATCCAGGGAGGGTGCCTGTTTGAAGCAGCTTTTAGCGACGTGGCCACGACCCACGGGCAACCCGAGCGGCTGTCTCT	4
wt-4320-4440	37	GAAGAATCTTCCGGGCGAGTCCAGCAGCTGGTCAAGAGCGGCATCGTGTGTCAGGGCATGACATCAGCGACGGGGCCCTGGTACCTGCTGGTGGAGATGGCCCTGGCCGGCAGCG	8
wt-4560-4680	39	CTCCATGAACATGTACCGGCAGTCTCGGTGAGTGGGCGAGCAAGGTCAGATCAATGTTTGAAGTGCAGCAGGCCAGAGACGGTGTGGCCAGTCTGCTGCGCTGCTGCTGGG	4
wt-4680-4800	40	AACCTGGTCATCCTTGGCCAGCAGCATGAGAGTGCCTGCCACAGATCGGATTAACCGGTCATGACGCTGCCACTACGGCTATAACGAAGCACTGGCAGTCTCCCGTTGACAGG	4
wt-4920-5040	42	ATGCTGTGCCGACGGGTGTTCTTCCGAGGTTAGGGACAACAGCTTCTCGACAAGTACGTGGGTCTGGCCATCGGAGGATTCATGGGGCCAGGGACTCTGCCCTGGCAGGCCGTGC	4
wt-5040-5160	43	CACCGTGGCGCTGATTAATCGTTTCCCGCCCTGCGTACGCTATTCTAAAGTTCTCAACAGCCAGATACCTTCCGGTGGCTTGGGGGAGCTGGGGGTGCAAGTTTTGGCTGGCT	4
wt-5160-5280	44	GGGGGCGTGGGGTCAACAGATAATCCACCCGCCCTGGCGTGAAGTTAATGTCAGAGATCACTTCTGATTCTGGCCCCAACGCCCTGGCATGTTTGGTCCCGCTGGTGAACAT	4
wt-5280-5400	45	TAGCATCCGGCGACACCAGCTCTGTGATGCTGCGTGGCTCCGGGGCTGCGTCTGCTTGTGGTGAAGGCTCGTCCCTGGGCTGCAATTTACTAACCTCGGGATGCCATATGT	4
wt-5400-5520	46	TTTGCAAGTGGCCACCAGATCGCTGCCACTTCCACAGCAATGGCAGGATGCCGTGGCGCTTGTCTATGAATTTCAAGAAACCCACGGAGCAGGGCAACATTCAGGGCTCTGTTT	4
wt-5520-5640	47	ACGCGATGGTGTGATCTGGCTCTCCTGTGACCCCTCACTTTGTACAGACTTTTGGCAATGGGAGCACATTTCCCGCCCTTGGGACCCACGGGGTGTCCCTGGACACTTAT	4
wt-5640-5760	48	GTTTCAAGCAGCTCACTATGGTCACTCAGGCAGGCTCCCGCTCCGAGTACCAGTCACTTCCAGTATGCATCACTGAATTTAGCTGATATTGTCCTCCCTAGCCCGGGCCAG	4
wt-5760-5880	49	CCCTCTCAGAAAATCTGCATGAGAAAGCTGGACGTGAACCTCCCGCCAGACCTGTGTGCTGATTTTACAACACTACAATAAACCAATGTGCAAAATGGTTTGTATGGCTACTTT	4
wt-5880-6000	50	GTGTTCTTAAAAATGCAACAATAGAAGTGGAAACCTCAGTACGGGACATTAACCTCAACCACAAAATGGGGTGGAGAAAGTAAACCATATACTGGAGATGATTATGGGCTGGG	4
wt-6000-6120	51	GGTTCGGGACAATACCCATCTGGAGTTCAACCTAATTACATGGTAGATAAAATTAAGAGTCCCTCCTCACCCTCGAAACTATGGCAGACATTTCTATAAGATAACGAGGAGAGATGAG	4

wt-6120-6240	52	GTGAGGGCAGAGGACATTGGGCAGGTGTGGGCCACGGGGCAGCTGGCCATATCCCCCGCACTACAGAAGTGTAAAGCAAAGTGAAGGGCTCGGAAGGCAGGGGGCCCTAGCAATGTCACA	4
wt-6240-6360	53	GCTAAATGCCACCAGGGCACACACTCAAGCGGGTCTCGGAGCTCCTAGGTGAGACCAGAAAAGGTGACGCTGCAAGGTGGATGGCGTGTTCCTGAGGTTATCCCGCTACGTGCAGT	4
wt-6360-6480	54	GCTGGGTGATAGAGACCCTAGAATGTGTCGAAATGACCAAGCGTCCCCGACGGGGCTCCCAACACGGTTCAGAGAGGGTAAAAGAGGGGGCCATAAAGCCAGGGTGTAAAACAC	4
wt-6480-6600	55	CGACC CGCCACCAGATGCGACACGTGGGGGAAATGAGGGTTAGCATAGGCAACCCCGCCTACACACCAACTATAGCAAAACCCCGCCCGTACCGGTGACGTAGTCTGTCTTGAGGAGA	4
wt-6600-6720	56	TGTAGACTGTAGACACTGCAAAACCTCAGGACCTACGCTGCCCTAGAGGTTTTGTAGGGAGGAGACGTGTGTGGCTGTAGCCACCCGTCGGGTACAAGTCCCGGGTGGTGAGGACG	4
wt-6720-6840	57	GTGCTGTGGTTGCTTCCAGACTGCTTTTCCCGCTCTCCGCTCAAGTCCACAGCTGGTGGTCCGCTGTTTGTATCCAACTTTTGTGGTATGATCCATTCATCCCGCAG	4
wt-6840-6960	58	TTCCACCTAAACGGGGTTAACGTTGCTATCCCGGATACAGATTAGGATAGCATATACTACCCAGATATAGATTAGGATAGCATATGCTACCAGATATAGATTAGGATAGCATATGCTACCAG	4
wt-6960-7080	59	AGCCGTTGCCCTAGTGGTTTCGGACACACCCGCAACGCTCAGTGCCTGTACCCAGCCGAGGTCAAGTCCCGGGGGAGGAGAAGAGAGGCTTCCCGCTAGAGCATTTGCAAGTCAGGA	4
wt-7080-7200	60	TTCTTAATCCCTCGGGAGAAGGGTATTCGGCTGTCCGCTATTTTTGTGGCTAGTTTTGACCCACAAACATGTAAAGGGCCGCTACCCCTACAACACAAAACAACTATCTCCCT	4
wt-7200-7320	61	AACCATCCTTTGCCAATCAATTCGTGACAGGGTTCCTGGACACCCAGTCTTAGTTCAGGTAGACACCCAGTTATGCAAGTCCCAACATTTTAAACCTCCTGGAATTC	4
wt-7320-7440	62	TATCATTAAACGGCATGCAGAAAAGGACAAGCAGCGAAAATTCACGCCCTTGGGAGTGGCGGCATATGCAAAAGGATAGCATCCCACTCTACTAGGTGGTATCATATGCTGACTGT	4
wt-7440-7560	63	ATATGCGATGAGGATAGCATATGCTACC CGGATACAGATTAGGATAGCATATACTACCCAGATATAGATTAGGATAGCATATGCTACCAGATATAGATTAGGATAGCATATGCTACCAG	4
wt-7560-7680	64	ATATAAATAGGATAGCATATACTACCCAGATATAGATTAGGATAGCATATGCTACCAGATATAGATTAGGATAGCATATGCTACCAGATATAGATTAGGATAGCATATGCTACCAG	4
wt-7680-7800	65	ATATAGATTAGGATAGCATATGCTATCCAGATATTGGGTAGTATATGCTACCAGATATAAATAGGATAGCATATACTACCCATCTCTATTAGGATAGCATATGCTACC CGGATAC	4
wt-7800-7920	66	AGATTAGGATAGCATATACTACCCAGATATAGATTAGGATAGCATATGCTACCAGATATAGATTAGGATAGCATATGCTACCAGATATAAATAGGATAGCATATACTACCCAGATAT	4
wt-7920-8040	67	AGATTAGGATAGCATATGCTACCAGATATAGATTAGGATAGCATATGCTACCAGATATAGATTAGGATAGCATATGCTACCAGATATTTGGGTAGTATATGCTACCCATGGCAACAT	4
wt-8040-8160	68	TAGCCACCCGTGCTCTCAGCGACCTCGTGAATATGAGGACCAACACCCCTGTGCTTGGCGCTCAGGCGCAAGTGTGTGTAATTTGCTCCAGATCGCAGCAATCGCGCCCTATCTTGG	4
wt-8160-8280	69	CCCGCCCACTACTTATGCAGGTATTCGGGGTGCCTATTAGTGGTTTTGTGGGCAAGTGGTTGACCGCAGTGGTTAGCGGGTTACAATCAGCCAAAGTATTACACCTTATTTTAC	4
wt-8280-8400	70	AGTCCAAAACCGCAGGGCGGGTGTGGGGCTGACCGTGCCCCACTCCACAATTTCAAAAAAAGAGTGGCCACTTGTCTTTGTTATGGGCCCATTTGGCGTGGAGCCCGGTTAAT	4
wt-8400-8520	71	TTTCGGGGTGTAGAGACAACCAAGTGGAGTCCGCTGCTGTGGCGCTCCACTCTCTTCCCTTGTACAATAAGAGTGTAAACAACATGGTTCACCTGCTTGGTCCCTGCCTGGGACAC	4
wt-8520-8640	72	ATCTTAATAACCCAGTATCATATGCACTAGGATTATGTGTTGCCATAGCCATAAATCGTGTGAGATGGACATCCAGTCTTACGGCTGTCCCAACCCATGGATTCTATTGTTA	4
wt-8640-8760	73	AAGATATTCAGAAATGTTTCATTCTACACTAGTATTTATGCCAAGGGGTTTGTGAGGGTTATTTGGTGTCTATAGCACAATGCCCACTGAACCCCGCTCCAAATTTTATTCTGGG	4
wt-8760-8880	74	GGCGTCACTGAAACCTTGTTCGAGCACCTCACATACACCTTACTGTTCACAACTCAGCAGTTATCTATTAGCTAAACGAAGGAGAATGAAGAAGCAGGCGAAGATTGAGGAGATT	4
wt-8880-9000	75	CACTGCCCGCTCTTGATCTCAGCCACTGCCCTGTGACTAAAATGGTTCACCTCGTGAATCTGACCCCATGTAATAAAAACCGTACAGCTCATGGGTGGGAGATATCGCT	4
wt-9000-9120	76	GTTCCCTTAGGACCCCTTTACTAACCCTAATTCGATAGCATATGCTCCCGTGGGTAACATATGCTATTGAATTAGGGTTAGTCTGGATAGTATATACTACTACCCGGGAAGCATATGCT	4
wt-9120-9240	77	ACCCGTTTAGGGTTAAACAAGGGGGCTTATAAACACTATTGCTAATGCCCTCTGAGGGTCCGCTATCGGTAGCTACACAGGCCCTCTGATTGACGTTGGTGTAGCTCCCGTAGTCT	4
wt-9240-9360	78	TCCTGGGCCCTGGGAGGTACATGTCCCCAGCAATGGTGAAGAGCTTCAGCCAAAGATTACACATAAAGCAAGTGTGTGTTGAGTCCAGCTCCAGACTGCAAAAGTCTGCTCCAGGTGAA	4
wt-9360-9480	79	AGCCACTCAGTGTGGCAAATGTGCACATCCATTTAAGGATGTCAACTACAGTACAGAGAAACCCCTTTGTGTTTGGTCCCGCCCGTGCACATGTGGAACAGGGCCAGTTGGCAAGT	4
wt-9480-9600	80	TGTACCAACCAACTGAAGGGATTACATGCACCTGCCCGCGGAAATACGCTCCTACCCAGGAACCCGAAACAGTGTTCGAGAAAGTGTAAAATAGAACGCCCTGGAAGTCCCGCACTG	4
wt-9600-9720	81	TGCAATGCAGCTTTAGCCATGCCATGCTCTATAAATCACTCCCTATCTCAGGTAGGCTGCACACCTTAGGATGGAGCGAAGGTTAGTGGTCACTCTGCAGTGCCTGGTGTGCTTT	4
wt-9720-9840	82	ACCTGGCACCTGAGTGTGGAGGTACAGACCAATGTGACAATTTTCCCAAAATGTTGAGGGACCTAAGAGATGCCTTCAGTGTGTTAAAACCTTTTCCAGACAAGGACGAGGTAGATA	4
wt-9840-9960	83	ACCTTTTGTCAAGGAGTCTCTGCTAGAGACTTTAAGGGCTACCTGGATGCCAGGCCCTGTGAGAAATGATCCAAATCTACCTGGAGGAGTGCACATGCCACAGGCTGAAAACCAAGGACC	4
wt-9960-10080	84	CTGAAGCCAAAGACCATGTCAATCTTTGGGTGAAAATCTAAGACCCTACGGCTCCGCCCTGCGCAGGTGCCACAGGTTCTGCGCTGTGAGAAACAAGGTAAGCTGTGGAACAGATAA	4
wt-10200-10320	85	TGGAAGCAGGAGATGGGTGCATTTACCCCAACCCCTTTCGACTGTCAATTTACAATAAATGAAACCTTTTATTCTTGATGCTCTGTGTTCTTGGCCCGCAGGTACCTTCTGT	4
wt-10320-10440	86	GTTCTCCCGCAGGGAAAAGAAATAGCTTCTGCAGAAGGCCATTGACGCAAGTTTTGCCCGTGGGATTACCCGACCCAGCCACTTACAGCAGATTTTGTCTAGGTCATCTTAGGAGCC	4
wt-10440-10560	87	CGGGCCAGCATTTATCAGCTTAACGGGAAGAGAAGTGGGAGGGCACTCGCCCACTAACCTTAACACCTGCAGCCTACAAAAGTACACTAGCTTTGCTCTATTGCGCCACTAGAGACC	4
wt-10560-10680	88	GCCAAAGTGCAGAACTACAGGCCCGGGCCAGGCCCTTGCAGGGCAGACGGTTAGGCTGACAAGGGGACAAGTGTGGCAGTGGGCGGGAAGGGGCACAAGAAATGCCGGCAAACTGGACC	4
wt-10680-10800	89	ACGGTCCACCCCGCCCTCAAGCGTCCGGGAGCCGGCGCTCGGCTAAGGAGGGCGGCTTGCAGAACTTATTAGTAGCTACCAACAAGGGCCCGCATGCCCGCCACCAAGTCAACCCG	8
wt-10800-10920	90	GCCGTGCCACTCACATATCCACTCTATTTTAAATTAATGTGCCAAATAGAAACCCAAAGCGCAGAAATAGTTGAGAGGCTAGTGTTTAAACATGCACCCTAGGCCAGCCAGAG	4
wt-10920-11040	91	ATAATGTCACAAGATTATCAAGTTGGTGTAAACAGCCGTGGGAAAAATTTATGGTTCAGTGCCTGAGTGTATCTTTGGAACAGTAGAAAATGAACCTTGTGGCGGGAGAAGGAA	4
wt-11040-11160	92	TAACGCCTTATCTGGGAGGAGCGAGGATTATAGCCAATAAGAGAGCTCAAGACGCAGGGCTCGCAAAGTATAGTGGCCCGTGGGACCTTAGAGGTGGAGCAACGTTAAAGTGGTAAT	4
wt-11160-11280	93	AACACCAGCGGGGCTGGGCAAAGGGTCTACGGGCGGGATTAATACGCCCTGCTACGCAAGCTCAGTTAATTCGCCACGACTTGA AAAATGATGCCCTTAAACCAATGGCGGCC	4
wt-11280-11400	94	CTAAGGGGGGACTAAGTCCCACTCAAAAACCTGTGTTCTGCTGCAAAATTTAGATCAGATGGCATAGAGACAAGGACACCAGAACCCCGAGCCCTCATCGAGGGTCTTACC	4
wt-11400-11520	95	ATGCGGCCATGTAGGCCCACTTAACACTACAAGACCTACGCCCTCCATTATCATGTAAACCCACAATCATCTAAACCGTAAAGTCTAAGGGCCTCCTGAGGTTTTCTCAGGAGGCCCTA	4
wt-11520-11640	96	ATGTATAAATATCATGCAATTTGATTTAAAAAAGTAGGTACACTCATTTTAGGCCAGACTTTATTTGCAGATTAATAATTTATGTGATTCTCCTTCCCTTAGGACTGAAGAAACAGC	4
wt-11640-11760	97	CTCCTGCACGTGAGCATGTATCTGAAATAATTTATATGCATAAGTGAATGATTAGAAAGTCAAAAACCACTTCCCTTTACATGAATCTGGGCACGTAATTTGGGGTACTTCTAAAG	4
wt-11760-11880	98	ACTAACGTGTTGATTTCCGGGTCACCTCCCTTTTAAAGTGTGTAACAGTATTTCAGTAAACCAAGAGATTTGGTGTCACTTCCGCATTTAAGTTTCAGAAAAATTTAAAA	4
wt-11880-12000	99	TAAAATGAAATTTCTCTCAAAAATTTCCAATGAAAACCTCAAAAAGTCTTATGATGTAATCTTTTGGCCCAAGTGGCTTCAGATGCCTTCTTAGTCACTTCACAAAAAATTT	4
wt-12000-12120	100	CTGGACACATGTGCCAGACGCTGGGCCCTTAAGGCCCTCGGGTCCCTGAGCCCGGCTCAGCAACCCCTGCTGCTCCCTGCGCACCCCGAGCCCTCCCGCTCCCGCTCCCGCT	8
wt-12120-12240	101	CGCTCCTGTTCTCCCGGGTCCCGAGTAGGGCCGCTGCCCCCTGCACCCAGTACCTGCCCTTGGCCACGCACCCCGGGCCAGGCCACTTAGACCCGGCAAGCCCATCCCTG	8
wt-12240-12360	102	AAGACCCAGCGCCATTCTCTGTGTAACGAGCAGAGAAGAAGTAGAGGCCCGGGCCATTGGGCCAGATTGAGAGACCAGTCCAGGGGGCCGAGGTTGGAGCCAGCGGGCACCCGAGG	4

wt-12360-12480	103	TCCCAGCACCCGGTCCCTCCGGGGGGCAGAGACAGGCAGGGCCCCCGGCGAGCTGGCCCCGAGGAGGGCCCGGAGTGGGGCCGGTCCGGTGGGCTGGCCGAGCCCGGGTCTGGGAGGTC	12
wt-12480-12600	104	TGGGGTGGCGAGCCTGCTGTCTCAGBAGGGGCTGGCTCCGCGGGTGGCCCTGGGGTAAGTCTGGGAGCAGAGGGTCCGGCTAGGCCCGGGAAAGTGGAGGGGATCGCCCGGGTCTC	8
wt-12600-12720	105	TGTTGGCAGAGTCCGGGCGATCCTCTGAGACCTCCGGGCCCCGACGGTCCGCTCAGCCCCCAGACAGACCCAGGGTCTCCAGGCAGGGTCCGGCATCTCAGGGGCAGCAGGCTCA	8
wt-12720-12840	106	CCACCACAGGCCCCCCAGACCCGGGTCTCGGCCAGCCGAGCCGACCGGCCCGCGCTGGCGCCCTCTCGGGGCCAGCCGCCGGGTGGTCTCGCCCTCTCTGTCTTACAGAGAA	8
wt-12840-12960	107	CCAGGGCAGTCCGGCACCCAGAGCCCTCGGGCCCGCTCCAGGCGCCCTCTGGTCTCCGCTCCCTCTGAGCCCGCTTAAACCCAAAGAATGTCTGAGGGGAGCCACCCTCGGGG	8
wt-12960-13080	108	CAGGCCACAGTCCAGAGTCCAGGGCACCTCAGGTGCTCCCGGGTCCAGGGTCCAGCCAGCCGAGGGACCCCGGCGCCAGCCCGGGTCTCCGCCCCCTCCCGGG	12
wt-13080-13200	109	CTTACAGAGCCAGGATGCCCCAGAAAGGACCTAGGCGTCCCTCTCCCTCCAGGCCGAGCCCTCCCTCGCGGAGAGGGGCTCTTTGGCCCTCAAGTCCAGCCAGCCGA	8
wt-13200-13320	110	GACCCGAGTGGCCGGATCCCCCACGGCCCTCTCTGTCCCTGCTCTCTCCAACTTCGCTCCACCTAGACCCAGCTTCTGGCTCCCGGGTCCACCAGGCCAGCCGGAG	8
wt-13320-13440	111	GGACCCCGGAGCCCGGGCAGTCCGCTTCCCTCTCCCTGGCTCTCTTCCGCTCCACCCGAGCCCGCTCAGCTTGGCTCCCGCCAGCCGGTCCATCAGGCCGGCCGAGGGACCCC	12
wt-13440-13560	112	GGCGGCCGGTGTGACTCCCCCTGCAGCCGCCAGTCTCTGCTCCAGGCAAGGGCCGACGCTTTTCTCCCCCAGCCTGAGGCCAGTCTCTGTGCACTGTCTGAAAGTCCAGCCT	8
wt-13560-13680	113	CCCAGCCCGTCCAGGCTCCCGGCCAGCCTCGTCCACCCCTCCACCGTGGACAGCCCTCTGTCACCCGGCCATCCCCGCCCTGTGTCCACCCAGTCCGTCAGGGGG	8
wt-13680-13800	114	GACTTTATGTACCCCTGGGCTCCCATAGACTCCATGTAAGCTGCCCTCGAGTAGGCGCCGAGCCCTCCCTCGCGGAGAGGGGCTTTGGCCCTTCCAGCCAGCCCGGCC	8
wt-13800-13920	115	AAACTTTGTCCAGATGTCCAGGGTCCCGAGGGTGGAGCCAGCCCTCCCGCCCTGTCCACTGCCCGGTCCCCAGAAGCCCAAAAGTAGAGGCTCAGGCCATGCGCGCCCT	8
wt-13920-14040	116	GTCACAGGCTGCCAAAGAGCAGATCAAGGCCGGGAGAGGCGAGCCCAAGCGGGTGCAGTAACAGTAATCTCTGGTAGTGATTTGGACCCGAAATGTACACTTTAGAGCTCTGG	4
wt-14040-14160	117	AGGACTTTAAACTCTAAAATCAAACCTTTAGAGGCGAATGGGCGCCATTTTGTCCACGCGCCGATAATGGCGGACCTAGGCCATAAACCCCGAGGAAGCGGGTCTATGTTGGCTG	4
wt-14160-14280	118	CGTGCTGCTATCTTTAGAGGGGAAAGAGGAATAAGCCCCAGACAGGGGAGTGGGCTGTTGTGACTTACCAGAGGTGAGGGGTTGCGGTTGCTAGGCCACCTTCTC	4
wt-14280-14400	119	AGTCCAGCGCTTACGTAAAGCCAGACAGCAGCCAAATGTGAGTCTAGGGAGGGGACCACTGCCCTGGTATAAAGTGGTCTGCAGCTATTTCTGGTGCATCAGAGCCAGGAGT	4
wt-14400-14520	120	CCACAAATGTAAGAGGGGTTCTACCTCTCCTAGCCCTCCGCCCTCCAGGACTGGGCGCCAGTTTCTAACTTTCCCTTCCCTCCCTGCTTGGCTGCGCCGGGGCCA	4
wt-14520-14640	121	CCTTCATCACCGTCCGCTGACTCCGCATCAAGCCTAGGGGAGCCGAAGTGAAGGCCCTGGACCAACCCGCGCCGGCCCGGATCGGGCCAGAGGTAAGTGGACTTTAATTTTT	4
wt-14640-14760	122	CTGCTAAGCCCAACTCCACCACACCCAGGCACACACTACACACCCACCCGCTCAGGGTCCCTCGGACAGCTCCTAAGAAAGCCAGCCGTCGCCAGTCTACCAGAGGGGGCCAA	4
wt-14760-14880	123	GAACCCAGACGAGTCCGTAGAAGGCTCCTGCTCAGCAAGAAGAGGAGTGGTAAGCGTTCACCTTCAGGGGTAAGTAACCTGACCTCTCCAGGGCTCACATAAGGGAGGCTTAGTAT	4
wt-14880-15000	124	ACATGCTTCTTGCCTTACAGGAACCTGGGGCTAGTCTGGGTGGGATTAGGCTGCCCTAAGTTCATCAGCCAGGGCTTATGCCCTCCTCAGTTCCTTAGTCCCGGGCTCAGGCC	4
wt-15120-15240	126	CTGGACCCCGGCTCAGCAACCTGCTGCTCCCTCCTGCCACCCAGCCTCCCCCTCCCGTCCCTTCTGCTCCTGATCTCCCCGGTCCCGAGTAGGGCCGCTGCCCCCTGC	12
wt-15240-15360	127	ACCCAGTACCTGCCCTCTTGGCCACGCCACCCGGGCCAGGCCACCTTAGACCCGGCAAGCCCATCCCTGAAGACCCAGCGCCATTCTCTGTGTAACGAGCAGAGAAGAAGTAGAG	4
wt-15360-15480	128	GCCCCGGCCATTGGGCCAGATTGAGAGACAGTCCAGGGGCCGAGGTTGGAGCCAGCGGCCACCCGAGTCCAGCAGCCCGGTCCTCCGGGGGGCAGAGACAGGCAGGGCCCCCG	8
wt-15480-15600	129	GCAGTGGCCCCGAGGAGGGCCCGGAGTGGGGCCGGTCCGCTGGGCTGGCCGAGCCCGGGTCTGGGAGGTTGGGGTGGCGAGCCTGCTGTCTCAGGAGGGGCTGGCTCCGCCGGTG	12
wt-15600-15720	130	GCCCTGGGGTAAGTCTGGGAGGCAGAGGGTCCGCTAGGCCCGGGAAAGTGGAGGGGATGCCCGGGTCTCTGTTGGCAGATCCGGGCGATCCTGTAGACCTCCGGCCCGGACGG	8
wt-15720-15840	131	TGGCCCTCAGCCCCCAGACAGACCCAGGGTCTCCAGGCCAGGGTCCGGCATCTCAGGGCAGCAGGCTACCACACAGGCCCCCCAGACCCGGGCTCTCGGCCAGCCGAGCCGG	8
wt-15840-15960	132	CCCCGCGCTGGCGCTCCTCGGGGCCAGCCCGGGGTTGGTTCTGCCCTCTCTGTCTCCTCAGAGGAACAGGGACCTCGGGCACCCAGAGCCCTCGGGCCCGCTCCAGGCGC	12
wt-15960-16080	133	CCTCCTGTCTCCGCTCCCTCTAGACCCGTTAAACCCAAAGAATGTCTGAGGGGAGCCACCTCGGGGCCAGGCCAGAGTCCAGAGGTGAGGGGACCTCAGGGTGCCTCCCGG	8
wt-16080-16200	134	GTCCAGGCCAGCCGAGGGACCCCGGCGAGCCCGGGCCGCCCCAGAGGCCGGTCTCCGCCCCCTCCCGGGTTCAGAGCCAGGATGTCCCCCAGAGGGACCTAGGCGTCCCTCT	8
wt-16200-16320	135	CCTCCCTCCAGGCCGAGCCTCCTCCGCGGAGAGGGGCTCTTTGGCCCTCAAGTCCAGCCACCCAGAGCCGAGTGGCCCGATCCCCCAGCCGCGCTTCTCTGTCCCTC	8
wt-16320-16440	136	GCTCCTCCTCAACCTTCCGCTCCACCCTAGACCCAGCTTCTGGCTCCCGGGTCCACCAGGCCAGCCGAGGGACCCCGGCGAGTCCGCTTCCCTCCTCCCTGGCTCTC	8
wt-16440-16560	137	CTTCCCGCTCCACCCGAGCCCTCAGCTTCCCTCCACCCGGTCCATCAGCCCGCGGAGGGACCCCGGGCCCGGTGTGAGTCCCTCCGAGCCCGCAGTCTCTGCCTCCA	12
wt-16560-16680	138	GGCAAGGGGCCAGCTTTTCTCCCCCAGCCTGAGGCCAGTCTCCTGTGCACTGTCTGTAAGTCCAGCCTCCACAGCCCGTCCAGGCTCCCGGGCCAGCCTCTGTCCACCCCTCCC	8
wt-16680-16800	139	ACGGTGGACAGGCCCTCTGTCCACCCGGGCATCCCGCCCCCTGTGTCCACCCAGTCCCGTCCAGGGGGAGCTTTATGTGACCCTTGGCCCTGGCTCCCCATAGACTCCCATGTAAG	8
wt-16800-16920	140	CCTGCCTCAGTAGGTGCTCCAGAGCCCTTTTGGCCCTGGCGGCCAGCCCGGGCCCGCCAACTTTGTCCAGATGTCAGGGGTCCCCGAGGGTGGGCCAGCCCG	8
wt-16920-17040	141	CTCCCGCCCTGTCCACTGCCCGGGTCCCCCAGAAAGCCCAAAAGTAGAGGCTCAGGCCATGCGCGCCCTGTACCAGGCTGCCAAAGAGCCAGATCAAGGCCGGGAGAGGCC	8
wt-17040-17160	142	CCAAAGCGGTGACGTAACAGGTAATCTCTGGTAGTGATTTGGACCCGAAATCTGACACTTTAGAGCTTGGAGGACTTTAAACTCTAAAATCAAACCTTTAGAGGCGAATGGCGCC	4
wt-17160-17280	143	ATTTGTCCACGCGCGCATAATGGCGGACCTAGGCCATAAACCCCGAGGAGGGGCTATGTTGGTGGCTGCTGCTATCTTTAGAGGGGAAAAGAGGAATAAGCCCCAGACAG	4
wt-17280-17400	144	GGGAGTGGGCTGTTGTGACTTCAAAAAGGTAGGGCCAAAGGGGTTGCGGTTGCTAGGCCACCTTCTCAGTCCAGCGGCTTACGTAAGCCAGACAGCAGCAATTTGTCAGTTCTA	4
wt-17400-17520	145	GGGAGGGGACCCTGCCCTGGTATAAAGTGGTCTGCACTATTTCTGGTGCATCAGAGCCGAGGACTCCACAAATGTAAGAGGGGGTCTTCTACCTCTCCCTAGCCCTCCGC	4
wt-17520-17640	146	CCCTCAAAGACTCGGGCCAGTTTCTAACCTTTCCCTTCCCTCCCTGCTTGGCTGCGCCGGGGCCAGCTTATCACCCTCGCTGACTCCGCCATCAAAGCCAGGGGAGCCGA	4
wt-17640-17760	147	AGTGAAGGCCCTGACCAACCCGGCCCGGGCCCGGATCGGGCCAGAGGTAAGTGGACTTTAATTTTTCTGCTAAGCCCAACACTCCACCACCCAGGCACACTACACACC	4
wt-17760-17880	148	CACCCGCTCAGGGTCCCTCGGACAGTCTCTAAGAAGGCACCGGTCGCCAGTCTACCAGAGGGGCCAAGAACCAGACGAGTCCGTAAGGGTCTCGTCCAGCAAGAAGAGGAG	4
wt-17880-18000	149	GTGGTAAGCGGTTACACTTACAGGGTAAAGTAACCTGACCTCTCCAGGGCTCACATAAAGGGAGGCTTAGTATACATGCTTCTGCTTTTACAGGAACCTGGGGGCTAGTCTGGGTGGGA	4
wt-18000-18120	150	TTAGGCTCCCTCAAGTGTGACTCAGCCGGCTTTCATGCCCTCCTCAGTCCCTAGTCCCGGGCTTCCAGCCCGCTCCGTCGCCCTCCAGAGCCCGGGCTTCCAGGCCCTGCCTCTC	8
wt-18240-18360	152	CCTCCCGCTCCCGTCCCTTCCCTGCTGATCTCCCGGTCACCCAGTAGGGCCGCTGCCCGCTCAGCCAGTCCGCTCCCTCTTGGCCAGCACCCCGGGCCAGCCACTT	8
wt-18360-18480	153	AGACCCGGCAAGCCCATCCCTGAAGACCCAGCGGCCATTCTCTGTGTAACGACAGAGAAGTAGAGGCCCGGGCCATTGGGCCAGATTGAGAGACCAAGTCCAGGGGCCAG	4
wt-18480-18600	154	GTTGGAGCCAGCGGCCACCCGAGGTCCAGCACCCGGTCCCTCCGGGGGCGAGAGACAGGCAGGGCCCGGCGAGTGGCCCGAGGAGGGCCCGGAGTGGGGCCGGTCCGCTGGGCT	12
wt-18600-18720	155	GGCCGAGCCGGGCTGGGAGGTCTGGGGTGGCGAGCCTGCTGTCTCAGGAGGGGCTGGCTCCCGGGTGGCCCTGGGGTAAGTCTGGGAGGCAGAGGGTCCGCTAGGCCCGGGAA	8

wt-18720-18840	156	GTGGAGGGGATCGCCGGGTCTGTGGCAGAGTCCGGGCGATCCTCTGAGACCTCCGGGCCGGACGGTGCCTCAGCCCCAGACAGACCCAGGGTCTCCAGGAGGGTCCG	8
wt-18840-18960	157	GCATCTCAGGGCAGCAGGCTACCCACCACAGGCCCCAGACCCGGTCTCGGCCAGCCGAGCCAGCCGGCCCGCGCTGCGCCTCCTCGGGCCAGCCGCGGGTTGGTCTGC	12
wt-18960-19080	158	CCCTCTCTGTCTTCCAGAGGAACCCAGGACCTCGGCACCCAGAGCCCTCGGGCCGCTCCAGGCCCTCTGGTCTCCGCTCCCTCTGAGCCCGTTAAACCCAAAAGTGT	8
wt-19080-19200	159	CTGAGGGGAGCCACCTCGGGGCCAGGCCCCAGAGTCCAGAGGTGAGGGGACCTCAGGGTGCCTCCCGGGTCCAGGCCAGCCGGAGGACCCGGCAGCCGGCGGCCAGAGG	12
wt-19200-19320	160	CCGGTTCCTCGCCCTTCCCGGGCTTCAGAGCCAGGATGTCCCCAGAAAGGACCTTAGCTGCTCCCTCCCTCCAGGCCGAGCCCTCCCTCGCGGAGAGGGCCCTTTG	8
wt-19320-19440	161	GGCCCTCAAGTCCAGCCACCCAGGACCCGATGGCCCGGATCCCCACCGCCCTCTGCTGTCCCTGCTCCAACTTCGCTCCACCTAGACCCAGCTTCTGCCTCC	8
wt-19440-19560	162	CCGGTCCACAGGCCAGCCGGAGCCCGGACCCCGGCGGGGCTAGCGCTTCCCTCTCCCTGCTCCCTGCTCCCTCCACCCGAGCCCGCTCAGCTGCCACCCAGGGTC	12
wt-19560-19680	163	CATCAGGCCGGCCGGAGGGACCCCGCGGCCGGTGTGAGTCCCTCCGAGCCGCCAGTCTGCTCCAGGCAAGGGCGCCAGCTTTTCTCCCGCAGCTGAGGCCAGTCTCCTG	8
wt-19680-19800	164	TGACTGTCTGTAAGTCCAGCCTCCACAGCCCGTCCACGGTCCCGGGCCAGCCTCGTCCACCCCTCCACAGGTGAGCAGGCCCTCTGTCCACCCGGGCCATCCCGCCCGCTGTG	8
wt-19920-20040	166	CCAGCCGACCCCGGGCGCCCAAACTTTGTCCAGATGTCCAGGGTCCCGAGGGTGAAGGCCAGCCCTCCCGCCCTGTCCACTGCCCGGTCCCGCCAGAACGCCCAAAAGT	8
wt-20040-20160	167	AGAGGCTCAGGCCATGCGCCCTGTACCAGCCCTGCCAAAGGCCAGATCTAAGCCGGGAGGAGCCAGCCCAAGCGGGTGCAGTAACAGTAACTCTGTAGTATTGGACCCG	4
wt-20160-20280	168	AAATCTGACACTTTAGAGCTCTGGAGACTTAAAACTCTAAAACTCAAAGCTTTAGAGCGAATGGCGCCTTTTGTCCCGCAGCCGCAATAGGGCCAGCTTAGGCCCTAAAAACCC	4
wt-20280-20400	169	AGGAAGCGGGTCTATGTTGGTGCCTGCTGCTATCTTTAGAGGGGAAAAGGAATAAGCCCCAGACAGGGGAGTGGGCTGTTTGTGACTTACCAAAGGTGAGGCCCAAGGGG	4
wt-20400-20520	170	TTCCGCTTGTAGGCCACTTCTCAGTCCAGCGGTTTACGTAAAGCCAGACAGCAGCAATTTGCTAGTCTAGGGAGGGGACCAGTCCCTGGTATAAAGTGGTCTGCAGTATTTT	4
wt-20520-20640	171	TGGTCCGATCAGAGCGCCAGGAGTCCACACAATGTAAGAGGGGGTCTTACCTCTCCCTAGCCCTCCGCCCTCCAAAGGACTCGGGCCAGTTTCTAACTTTCCCTCCCTCCCT	4
wt-20640-20760	172	CGTCTGCCCTGCGCCCGGGCCACTTATCACCCTGCTGACTCCGCATCAAAGCTAGGGGAGACCAGTGAAGGCCCTGGACCAACCCGGCCCGGGCCCGGGTATCGGGCCA	8
wt-20760-20880	173	GAGGTAAGTGGACTTTAATTTTTCTGCTAAGCCCAACACTCCACCACACCAGGCACACACTACACACACCACCCGCTCAGGGTCCCTCGGACAGCTCCTAAGAAGGCACCCGTCG	4
wt-20880-21000	174	CCCAGTCTACCAGAGGGGCCAAGAACCAGACGAGTCCGTAGAAGGGTCTCGTCCAGCAAGAAGAGGAGTGGTAAGCGGTTACCTTCAGGGGTAAGTAACCTGACCTCTCCAGGG	4
wt-21000-21120	175	CTCACATAAAGGGAGGCTTAGTATACATGCTTCTGCTTTTACAGGAACCTGGGGGCTAGTCTGGTGGGATTAGGCTGCCTCAAGTTGCATCAGCCAGGGCTTCATGCCCTCCTCAGT	4
wt-21120-21240	176	TCCCTAGTCCCGGGCTTCAGGCCCCCTCCGTCGCCGCTCCACAGAGACCCGGGCTTCAGGCCCTGCCTCTCCTGTTACCCCTTTAGAACACAGCCTGGACACATGTCCAGACGCCCT	4
wt-21240-21360	177	GGCCTTAAGGCCCTCGGGTCCCTTGACCCCGGCCTCAGCAACCTGCTGCTCCCTCCTGCCACCCAGCCTCCCGCCCTCCCGTCCCGCTTCGCTCCTGATCTCCCGGGTCC	8
wt-21360-21480	178	CAGTAGGGCCGCTGCCCGCTGACCCAGTACCTGCCCCCTTGGCCAGCCACCCGGCCAGGCCCTTAGACCCGGCCAAAGCCCATCCCTGAAGACCAGCGGCCATCTCTCTG	8
wt-21480-21600	179	GTAACGAGCAGAGAAGAAGTAGAGGCCCGCGCCATTGGCCAGATTGAGAGACCAGTCCAGGGGCCGAGGTTGGAGCCAGCGGCACCCGAGGTCACAGCACCAGGTCCTCCGGGG	8
wt-21600-21720	180	GGCAGAGACAGCAGGCCCGCCCGCAGCTGGCCCGAGGAGCCCGGAGTGGGGCCGCTGGCTGGGCTGGCCAGCCGGGCTGGGAGTCTGGGTGGCAGCCTGCTGTCTCA	12
wt-21720-21840	181	GGAGGGCCCTGGCTCCGCCGGGTGGCCCTGGGGTAAGTCTGGGAGGCAGAGGGTCCGCCCTAGGCCCGGGGAAGTGGAGGGGATCGCCGGGTCTGTTGGCAGAGTCCGGCCGATCCT	8
wt-21840-21960	182	CTGAGACCTCCGGGCCGGAGCGGTCGCCCTCAGCCCCAGCAGACAGCCAGGGTCTCCAGGCAAGGGTCCGGCATCTTCAGGGGAGCAGGCTCACCACCAGGCCCCAGACCCGG	8
wt-21960-22080	183	GTCTCGCCAGCCGAGCCGACCCGCGCCCTGCGGCTCTCGGGCCAGCCCGGGGTTGGTCTGCCCTCTCTGTCTTCAGAGGAACCCAGGACTCGGGCACCAGAG	8
wt-22080-22200	184	CCCCTCGGGCCGCTCCAGCGCCCTCTGGTCTCCCTCCCTCTGAGCCCGTTAAACCCAAAGATGTCTGAGGGGAGCCACCCCTCGGGGCCAGGCCCAAGATCCAGAGGTGAG	8
wt-22200-22320	185	GGGCACCTCAGGGTGCCTCCCGGGTCCAGGCCAGCCGGAGGGACCCCGCAGCCCGGGCGCCAGAGGCCGGTCTCCTCGCCCTCCCGGGCTTCAGAGCCAGGATGTCCCCA	12
wt-22320-22440	186	GAAGGGACCTAGGCTCCCTCTCCTCCCTCCAGGCCGAGCCTCTCCCTCGCGGAGAGGGGCTCTTTGGCCCTCAAGTCCAGCCCAACCAGACCCGAGTGGCCGGATCCCGCC	8
wt-22440-22560	187	ACCGGCCCTTCTCTGTCCCTGCTCCTCCTCAACCTTCTGCTCCACCCTAGACCCAGCTTCTGGCCTCCCGGGTCCACCAGGCCAGCCGGAGGGACCCCGGCAGCCCGGGGAGTC	8
wt-22560-22680	188	GCCTTCCCTCTCCCTGGCTCTCCTTCCCGCTCCACCCGAGCCCTCAGCTTGCCTCCACCGGGTCCATCAGCCGCGCCGAGGGACCCCGCGCCCGGTGTGAGTCCCGCT	12
wt-22680-22800	189	GCAGCCGCCAGTCTCTGCCCTCCAGGCAAGGGCGCCAGCTTTTCTCCCGCAGCCTGAGGCCAGTCTCCTGTGACTGTCTGTAAGTCCAGCCTCCACGCCCTCCACGGCTCCCGG	8
wt-22800-22920	190	GCCCAGCCTCGTCCACCCCTCCCGCAGGTGGACAGGCCCTCTGTCCACCCGGGCCATCCCGCCCGCTGTGTCCACCCAGTCCCTCCAGGGGGACTTTATGTGACCTTGGGCTG	8
wt-22920-23040	191	GCTCCCATAGACTCCATGTAAGCCTGCCTCGAGTAGGTGCTCCAGAGCCCTTTTGCCTCCGCGCCAGCCGACCCCGGGCGCCCGCAAACTTTGTCCAGATGTCCAGGGG	8
wt-23040-23160	192	TCCCGAGGGTGAGGCCAGCCCTCCCGCCCTGTCCACTGCCCGGTCCCGCCAGAACGCCCAAAAGTAGAGGCTCAGGCCATGCGCGCCCTGTACCAGGCCGCAAAAGAGCCA	8
wt-23160-23280	193	GATCTAAGGCCGGGAGAGGCAGCCCAAGCGGGTGCAGTAACAGGTAATCTCTGTTAGTATTGGACCCAAATCTGACACTTTAGAGCTCTGGAGACTTTAAACTCTAAAAATCA	4
wt-23280-23400	194	AAACTTTAGAGCGAATGGCGCCATTTTGTCCCGCAGCGCGCATTAATGGCGGACCTAGGCCCTAAACCCCGAGGAAGCGGGTCTATGTTGGCTGCGCTGCTGATCTTTAGAGGGGA	4
wt-23400-23520	195	AAAGAGGAATAAGCCCCAGACAGGGGAGTGGGCTGTTTGTGACTTACCAAAGGTGAGGGCCCAAGGGGTTGCGTGTGAGTCCAGCCACTTCTCAGTCCAGCGGCTTACGTAAGCCA	4
wt-23520-23640	196	GACAGCAGCAATTGTGAGTCTAGGGAGGGGACCAGTCCCGCTGGTATAAAGTGGTCTGAGCTATTCTGGTGCATCAGAGCGCCAGGAGTCCACACAAATGTAAGAGGGGTCT	4
wt-23760-23880	198	CCATCCAGCCTAGGGGAGACCAGTGAAGGCCCTGGACCAACCCGGCCGGGCCCGGGTATCGGGCCAGAGGTAAGTGGACTTTAATTTTTCTGCTAAGCCCAACACTCCACAC	4
wt-23880-24000	199	ACCCAGGCACACACTACACACCCACCCGCTCAGGGTCCCTCGGACAGTCTCTAAGAAGGCACCCGTCGCCAGTCTACCAGAGGGGGCCAAAGAACCCAGACGAGTCCGTAGAAGG	4
wt-24000-24120	200	GTCTCGTCCAGCAAGAAGAGGGTGAAGCGGTTACCTTCAGGGTAAAGTAACTGACCTCAGCCGCTCAGAGGGTGCATATAAGGGAGGCTTAGTATACATGCTTCTGCTTTCACAGGA	4
wt-24120-24240	201	ACCTGGGGCTAGTCTGGTGGGATTAGGCTGCCTCAAGTTGCATCAGCCAGGGCTTATGCCCTCCTCAGTTCCTCAGTCCCGGGGCTTCAGGCCCTCCGTCGCCCTCCAGAGA	4
wt-24360-24480	203	GCTGCTCCCTCCTGCCACCCAGCCTCCCGCTCCCGTCCCGTCTGCTCCTGATCCTCCCGGTCGCCAGTAGGGCCGCTCCCGCTGCACCCAGTACCTGCCCTCTGGCC	8
wt-24480-24600	204	ACGCACCCGGGCCAGGCCACTTAGACCCGGCCAAAGCCCATCCCTGAAGACCCAGCGGCCATTCTCTGTAACGAGCAGAGAAGAAGTAGAGGCCCGCGGCCATTGGGCCAGATT	4
wt-24600-24720	205	GAGAGACCAGTCCAGGGGCCGAGGTTGGAGCCAGCGGCCAGGCTCCAGCACCAGCCGGTCCCTCGCGGGGGCAGAGCAGCCAGGGCCCGCCGAGCTGGCCCGAGGAGGCC	12
wt-24720-24840	206	GGAGTGGGGCCGCTCGGCTGGGTGAGCCAGCCGGTCTGGGAGTCTGGGAGTCTGGGAGTCTGGGAGTCTGGGAGTCTGGGAGTCTGGGAGTCTGGGAGTCTGGGAGTCTGGGAGGCA	8
wt-24840-24960	207	GAGGGTGGCCCTAGGCCCGGGAAAGTGGAGGGGATCGCCGGGCTCTGTTGGCAGAGTCCGGGATCCTCTGAGACCCCTCGGGCCCGGACCGTCCGCTCAGCCCGCCAGACAGAC	8
wt-24960-25080	208	CCCAGGGTCTCCAGGCAGGGTCCGGCATCTCAGGGGACGAGGCTCACCACCAGGCCCCAGACCCGGGTCTCGGCCAGCCAGCCGACCCGGCCCGGCTGGCGCTCCTCGGG	12
wt-25080-25200	209	GCCAGCCCGGGGTTGGTCTGCCCTCTCTGTCTTACAGAGAACCCAGGACCTCGGGCACCCAGAGCCCTCGGGCCCGCTCCAGGCCCGCTCCTGGTCTCCGCTCCCGTCTG	8

wt-25200-25320	210	AGCCCCGTTAAACCCAAAGAATGTCTGAGGGGAGCCACCTCGGGGCCAGGCCAGAGTCCAGAGGTTCAGGGGACCTCAGGGTGCCTCCCGGGTCCAGGCCAGCCGGAGGGACCC	8
wt-25320-25440	211	CGGCAGCCCGGGCGGCCCCAGAGGCCGGTTCCTCGCCCTTCCCGGGCTTCAGAGCCAGGATGTCCCCAGAAAGGACCCTAGGCGTCCCTCTCCCTCCAGGCCAGCCCTCT	8
wt-25440-25560	212	CCCTCGGGAGAGGGGCTCTTTGGGCCCTCAAGTCCAGCCACCAGAGACCCGAGTGGCCGGATCCCGCCACCGGCCCTTCTCTGTCCCTCTCTCTCAACCTTCGCTCCAC	8
wt-25560-25680	213	CCTAGACCCAGCTTCTGGCCTCCCGGGTCCACCAGGCCAGCCGGAGGGACCCCGGAGCCCGGGCGAGTCCGCTTCCCTCTCCCTGGCCTCTCTCCCGCCTCCACCAGCCGAGCC	12
wt-25680-25800	214	CTCAGCTTGCCTCCCCACCGGCTCCATCAGGCCGGCCGAGGGACCCCGGGCCGGTGTACGTCCCCCTGCAGCCGCCAGTCTCTGCCTCCAGGCAAGGGCGCCAGCTTTTCTCC	8
wt-25800-25920	215	CCAGCCTGAGGCCAGTCTCTGTGCACCTGTGTAAGTCCAGCCTCCACGCCCTCCCGGGTCCAGCCCTCGTCCACCCCTCCACCGGTGCAGGCCCTCTGTCCAC	8
wt-25920-26040	216	CCGGGCTCCCGGCCCTGTGTCCACCCAGCTCCAGCCGGGACTTATGTACCCTTGGCCCTGGCTCCCATAGACTCCCATGTAAGCCTGCCTCGAGTCCGCTCCAG	8
wt-26040-26160	217	AGCCCCCTTTGCCCCCTGGCGGCCAGCCCGCCCGGGCGCCCCAACTTTGTCCAGATGTCCAGGGTCCCGAGGGTGGAGCCAGCCCTCCCGCCCTGTCCACTGCCCG	8
wt-26160-26280	218	GTCCCCAGAAAGCCCAAAAGTAGAGGCTCAGGCCATGCGCGCCCTGTCCAGGCCCTGCCAAAGAGCCAGATCTAAGGCCGGGAGAGGCCAGCCAAAGCGGGTGCAGTAACAGGTA	4
wt-26280-26400	219	ATCTCTGGTAGTATTGGACCCGAAATCTGACACTTTAGAGCTCTGGAGGACTTTAAACTCTAAAATCAAACCTTTAGAGGCCAATGGGCCCATTTTGTCCACCGCCGCTAAT	4
wt-26400-26520	220	GGCGGACCTAGGCTAAAACCCAGGAAAGCGGGTCTATGGTTGGCTGCCTGTCTATCTTTAGAGGGGAAAGAGGAATAAGCCCAAGAGGGGAGTGGCTTGTGTGACTTC	4
wt-26520-26640	221	ACCAAAGCTCAGGGCCAAAGGGGTTCCGCTTGTAGGCCACTTCTAGTCCAGCGCTTTACAGGACAGACAGCCAAATGTCAGTCTAGGGAGGGGAGCCACTGCCCTGGT	4
wt-26640-26760	222	ATAAAGTGGTCTGCAGCTATTCTGGTGCATCAGAGGCCAGGAGTCCACACAAATGTAAGAGGGGTCTTACCTCTCCTAGCCCTCCGCCCTCCAAGGACTCGGGCCAGTT	4
wt-26760-26880	223	TCTAACTTTCCCTTCCCTCCCTCGTCTTCCCTGCGCCCGGGCCACCTTATCACCCTGCTGACTCCGCTCCTCAAGCCTAGGGGAGACCGAAGTGAAGGCCCTGGACCAACCCGG	4
wt-26880-27000	224	CCCGGCCCCCGGTATCGGGCCAGAGGTAAGTGGACTTTAATTTTTCTGCTAAGCCAACTCCACCACCCAGGCACACACTACACACCCACCCGCTCAGGGTCCCTCGGA	4
wt-27000-27120	225	CAGTCTCTAAGAAGCACCGGTGCGCCAGTCTACCAGAGGGGGCCAAAGAACCCAGACGAGTCCGTAGAAGGGTCTCTGTCAGCAAGAAGAGGAGGTGGTAAGCGGTTACCTTCAGGG	4
wt-27120-27240	226	GTAAGTAACCTGACCTCTCCAGGGCTCACATAAAGGGAGGCTTAGTATACATGCTCTTGGCTTTTACAGGAACTGGGGCTAGTCTGGTGGGATTAGGCTGCCCTCAAGTTGCATCAG	4
wt-27360-27480	228	CTGGACACATGTCCAGACGCTTGGCCTCTAAGGCCCTCGGGTCCCGTCCAGCCCGGCTCAGCAACCTGCTGCTCCCTCTGCCACCCAGCCTCCCGCCCTCCCGTCCCGCTT	8
wt-27480-27600	229	CGTCTGATCTCCCGGTCCCGAGTAGGGCCGCTGCCCCCTGCACCCAGTACTGCCCTCTTGGCCACGACCCCGGGCCAGGCCACTTAGACCCGGCAAGCCCATCCCTG	8
wt-27600-27720	230	AAGACCCAGCGCCATTCTCTGTTAACGAGCAGAGAAGAAGTAGAGGCCCGCGGCCATTGGGCCAGATTGAGAGCAGTCCAGGGGCCGAGGTTGGAGCCAGCGGGCACCCGAGG	4
wt-27720-27840	231	TCCAGCACCCGGTCCCTCCGGGGCCAGAGACAGGCAGGGCCCGCGCAGCTGGCCCGAGGAGGCCCGGAGTGGGGCCGGTGGCTGGGCTGGCCAGCCCGGGTCTGGGAGGTC	12
wt-27840-27960	232	TGGGGTGGCGAGCTGCTGTCTCAGGAGGGGCTGGCTCCCGGGTGGCCGTTGGGTAACTGAGGAGGCAGAGGGTCCGGCTAGGCCCGGGGAAGTGGAGGGGATCGCCCGGGTCTC	8
wt-27960-28080	233	TGTTGGCAGATCCGGCGATCCTCTGAGACCTCCGGGCCCGACGGTCCGCCCTCAGCCCCAGACAGACCCAGGGTCTCCAGGCAGGGTCCGGCATCTTCAGGGGACGAGGCTCA	8
wt-28080-28200	234	CCACCAGGCCCCAGACCCGGTCTCGGCCAGCCAGCCGACCGCCCGCCGCTGGCCCTCTCGGGCCAGCCCGGGGTTGGTTCTGCCCTCTCTGTCTTCAGAGGAA	8
wt-28200-28320	235	CCAGGACCTCGGGCACCCAGAGCCCTCGGGCCGCTCCAGGCCCTCCTGGTCTCCGCTCCCTCTGAGCCCGTTAAACCCAAAGAATGTCTGAGGGGAGCCACCCTCGGGGCC	8
wt-28320-28440	236	CAGGCCAGAGTCCAGAGGTTCAGGGCACCTCAGGGTCCCTCCCGGGTCCAGGCCAGCCGAGGGACCCCGGACCCCGGGCCAGCCCGGGTCCCTCGCCCTTCCCGGGG	12
wt-28440-28560	237	CTTCAGAGCCAGATGTCCCCAGAAAGGACCTAGGGTCCCTCTCTCCCTCAGCCCGGACCTCTCCCTCGCGGAGAGGGGCTCTTTGGGCCCTCAAGTCCAGCCACCCGAG	8
wt-28560-28680	238	GACCCGAGTGGCCCGGATCCCGCCAGCCCTTCTCTCTCCCTCCTCCAACTCTGCTCCCTCAGCCCTCCAGCCCTCCAGCCCTCCAGCCCTCCAGCCCTCCAGCCCTCCAGCCCT	8
wt-28680-28800	239	GGACCCCGCAGCCCGGGGAGTCCGCTTCCCTCTCCCTGCTCTCTTCCCGCTCCACCCGAGCCCTCAGCTTCCCTCCACCCGGTCCATCAGGCCGCGGGAGGGACCC	12
wt-28800-28920	240	GGCGGCCCGGTGTCAGTCCCGCTGCAGCCGCCAGTCTCTGCTCCAGGCAAGGGCCGACGCTTTTCTCCCGCAGCTGAGGCCAGTCTCTGTGCAGTGTCTGTAAGTCCAGCCT	8
wt-28920-29040	241	CCCACGCCGTCACGGCTCCCGGGCCAGCCTCGTCCACCCCTCCCGCCGTTGGACAGGCCCTCTGTCCACCCGGCCATCCCGCCCGCTGTGTCCACCCAGTCCCGTCCAGGGG	12
wt-29040-29160	242	GACTTTATGTACCCTTGGGCTGGCTCCCATAGACTCCATGTAAGCTGCTCGAGTAGGTGCCTCCAGAGCCCTTTGCCCTGGGGCCAGCCGACCCCGGGGCCCGCC	8
wt-29160-29280	243	AAACTTTGTCCAGATGTCCAGGGTCCCGAGGGTGGAGGCCAGCCCTCCCGCCCTGTCCAATCTGCTCCCTCAGCCCTCCAGGACTCGGGCCAGTTTCTAACTTTCCCTTCCCT	8
wt-29280-29400	244	GTCACAGGCTGCCAAAGAGCCAGATCTAAGGCCGGGAGAGGCCAGCCAAAGCGGGTGCAGTAACAGGTAATCTCTGGTAGTGATTTGGACCCGAAATCTGACACTTTAGAGCTCTGG	4
wt-29400-29520	245	AGGACTTTAAACTCTAAAATCAAACCTTTAGAGGCCAATGGGCCCATTTGTCCCGCCGCGCATAATGGCCGACCTAGGCCATAAACCCAGGAAAGGGGCTATGGTTGGCTG	4
wt-29520-29640	246	CGCTGCTGCTATCTTTAGAGGGGAAAGAGGAATAAGCCCCAGACAGGGGAGTGGGCTTTGTTGTGACTTCAACAAAGGTCCAGGCCCAAGGGGTTCCGGTGTAGGCCACCTTCTC	4
wt-29640-29760	247	AGTCCAGCGCTTACGTAAGCCAGACAGCAGCAATGTGAGTTCTAGGGAGGGGACCACTGCCCTGGTATAAAGTGGTCTGCAGTATTCTGGTGCATCAGAGCCAGGAGT	4
wt-29760-29880	248	CCACACAAATGTAAGAGGGGCTTCTACCTCTCCCTAGCCCTCCCGCCCTCCAAGGACTCGGGCCAGTTTCTAACTTTCCCTTCCCTCCCTGCTCTGGCTGCGCCCGGGGCCA	4
wt-29880-30000	249	CCTTCATACCCTGCTGACTCCGCCATCCAAGCCTAGGGGAGCCGAAGTGAAGGCCCTGGACCAACCCGGCCCGGGCCCGGGTATCGGGCCAGAGGTAAGTGGACTTTAATTTTT	4
wt-30000-30120	250	CTGCTAAGCCAACTCCACCACCCAGGCACACACTACACACCCACCCGCTCTCAGGGTCCCTCGGACAGCTCTAAGAAGGCACCGGTCCGCCAGTCTACCAGAGGGGGCCAA	4
wt-30120-30240	251	GAACCCAGACGAGTCCGTAGAAGGGTCTCTGTCAGCAAGAAGAGGAGTGGTAAGCGGTTACCTTCAGGGGTAAGTAACCTGACCTCTCCAGGGCTCACATAAAGGGAGGCTTAGTAT	4
wt-30240-30360	252	ACATGCTTCTGCTTTTACAGGAACCTGGGGCTAGTCTGGTGGGATTAGGCTGCCTCAAGTTGCATCAGCCAGGGCTTCATGCCCTCCTCAGTCCCTAGTCCCGGGCTTCAGGCC	4
wt-30480-30600	254	CTGGACCCGGCTCAGCAACCTGCTGCCCTCTGCCACCCAGCCCTCCCGCCCTCCCGCTCCGCTGATCTCCCGGTCAGGCTCCCGGTCAGGCGGCTCCCGCCCTGC	12
wt-30600-30720	255	ACCCAGTACCTGCCCTTGGCCACGACCCCGGGCCAGGCCACTTAGACCCGGCCAAAGCCCATCCCTGAAGACCCAGCGCCATTCTCTGTTAAGCAGCAGAGAAGAAGTAGAG	4
wt-30720-30840	256	GCCCGGGCATTGGCCAGATTGAGAGACCAGTCCAGGGCCCGAGGTTGGAGCCAGCGGGCACCCGAGGTCAGCAGCCCGGTCCTCCGGGGGAGAGACAGGCAGGGCCCGCCG	8
wt-30840-30960	257	GCAGCTGGCCCGAGGAGGCCCGGAGTGGGGCCGGTGGCTGGGCTGGCCGAGCCCGGGTCTGGGAGGCTGGGGTGGCGAGCCTGCTGTCTCAGGAGGGGCTGGCTCCGCCGGGTG	12
wt-30960-31080	258	GCCCTGGGGTAAGTCTGGGAGGCAGAGGGTCCGCTAGGCCCGGGGGAAGTGGAGGGGATCGCCCGGCTCTGTTGGCAGAGTCCGGGCGATCCCTGAGACCTCCGGGCCCGGACCG	8
wt-31080-31200	259	TGCCCCAGCCCGCCAGACAGCCAGGCTCCAGGAGGTCGGGATCTTACAGGACAGCCAGGCTCACACACAGGCCCGCCAGACCCGGTCTCGGCCAGCCGAGCCAGCCG	8
wt-31200-31320	260	CCCCCGCCTGGCGCTCTCGGGCCAGCCCGGGGTTGGTCTGCCCTCTCTGTCTTACAGGAAACAGGACCTCGGGCACCCAGGCCCTCCGGCCCGCTCCAGGGCCG	12
wt-31320-31440	261	CCTCTGGTCTCCGCTCCCTCTGAGCCCGTTAAACCCAAAGAATGTCTGAGGGGAGCCACCTCGGGGCCAGGCCAGAGTCCAGAGGTTCAGGGGACCTCAGGGTGCCTCCCGG	8
wt-31440-31560	262	GTCCAGGCCAGCCGAGGACCCCGGCGAGCCCGGGCCCGCCAGAGGCCGGTCTCTGCCCTTCCCGGGCTTACAGGCCAGGATGTCCCCAGAAAGGACCCTAGGCGTCCCTCT	8



wt-31560-31680	263	CCTCCCTCCAGGCCGAGCCTCTCCCTCGCGGAGAGGGGCTCTTTGGGCCCTCAAGTCCAGCCACCAGAGCCGAGTGGCCGGATCCCCACGGCCCTTCTCTGTGCCCT	8
wt-31680-31800	264	GCTCCTCTCAACCTTCGCTCCACCCTAGACCCAGTCTTGGCTCCCGGGTCCACCAGGCCAGCCGAGGACCCCGGAGCCCGGCGAGTGCCTTCCCTTCCCTTGGCTCTC	8
wt-31800-31920	265	CTTCCGCTCCACCCGAGCCCTCAGCTTGCCTCCACCGGGTCCATCAGGCCGGCCGAGGGACCCCGGCGCCGGTGTAGTCCCTTGCAGCCGCCAGTCTCTGCCTCA	12
wt-31920-32040	266	GGCAAGGGGCCAGCTTTTCTCCCCAGCCTGAGGCCAGTCTCCTGTGCACTGTCTGTAAGTCCAGCCTCCACGCCCCGTCACGGCTCCCGGGCCAGCCTCGTCCACCCCTCCC	8
wt-32040-32160	267	ACGGTGGACAGGCCCTCTGTCCACCCGGGCCATCCCCGCCCTGTGTCCACCCAGTCCCGTCCAGGGGGGACTTTATGTGACCCTTGGCCCTGGCTCCCCATAGACTCCCATGTAAG	8
wt-32160-32280	268	CCTGCTCGAGTAGTGCCTCCAGAGCCCTTTGCCCTTGGCGGCCAGCCGAGCCCGGGCCGCCAACTTTGTCCAGATGTCAGGGTCCCGGAGGTGAGGCCAGCC	8
wt-32280-32400	269	CTCCGCCCCCTGTCACCTGCCCGTCCGCCCCGAAAAAGTAGAGCTTCCAGCTGCGCCGAGCCCTGTCACCCAGCCTGCCAAAGGCCAGATCTAAGGCCGGGAGAGCC	8
wt-32400-32520	270	CCAAAGCGGGTGCAGTAACAGGTAATCTCTGGTAGTGATTTGGACCCGAAATCTGACACTTTAGAGCTCTGGAGGACTTTAAACTCTAAAATCAAACCTTTAGAGGGCAATGGCGCC	4
wt-32520-32640	271	ATTTGTCCCACGCGGCATAATGGCGGACCTAGGCCATAAACCCAGGAAAGCGGGTCTATGTTGGCTGCGCTGCTGCTATCTTAGAGGGGAAAAGGAATAAGCCCCAGACAG	4
wt-32640-32760	272	GGGAGTGGCTTGTGTGACTTACCAAAGGTGAGGCCAAAGGGGTTGCGGTTGTAGGCCACCTTCTCAGTCCAGCGCTTACGTAAGCCAGACAGCAGCAATTTGCACTTCTA	4
wt-32760-32880	273	GGGAGGGGACCCTGCCCTGTATAAGTGGTCTGCAGCTATTTCTGGTGCATCAGAGCCGAGGATCCACAAATGTAAGAGGGGTTCTTACCTCTCCCTAGCCCTCCG	4
wt-32880-33000	274	CCCTCAAAGGACTCGGGCCAGTTTAACTTTCCCTTCCCTCCCTGCTTGGCCCTGCTTGGCCCTGAGCCGCGCCACCTTACACCCGCTGACTCCGCTCAAAGCCTAAAGCCGGGAGAGCCGA	4
wt-33000-33120	275	AGTGAAGGCCCTGGACCAACCCGGCCCGGGCCCGGATCGGGCCAGAGGTAAGTGGACTTTAATTTTCTGCTAAGCCCAACACTCCACCACCCAGGCACACACTACACACC	4
wt-33120-33240	276	CACCGTCTCAGGGTCCCCTCGGACAGCTCTAAGAAGGCACCGGTCCGCCAGTCTACCAGAGGGGCCAAGAACCAGACGAGTCCGTAAGGGTCTCGTCCAGCAAGAAGAGGAG	4
wt-33240-33360	277	GTGGTAAGCGGTTACCTTACAGGGTAAAGTAACTGACCTTCCAGGGCTCACATAAAGGGAGGCTTAGTATACATGCTTCTGCTTTTACAGGAACTGGGGGTAGTCTGGGTGGGA	4
wt-33360-33480	278	TTAGGCTGCCTCAAGTGCATCAGCCAGGGTTCATGCCCTCCTCAGTCCCTAGTCCCGGGCTTACGGCCCTCCGTCGCCGCTCCAGAGACCCGGGCTTACGGCCCTGCCTCTC	4
wt-33600-33720	280	CTCCCCCTCCCGTCCCTTTCGCTCTGATCTCCCGGTCGCCAGTAGGGCCGCTGCCCTTGCACCCAGTACCTGCCCTTGGCCACGACCCCGGGCCAGGCCACTT	8
wt-33720-33840	281	AGACCCGGCAAGCCCATCCCTGAAGACCCAGCGCCATTCTCTGTGTAACGAGCAGAGAAGAAGTAGAGGCCCGGGCATTGGGCCAGATTGAGAGACCAGTCCAGGGGCCGAG	4
wt-33840-33960	282	GTTGAGCCAGCGGGCACCAGGTCACGACCCGGTCCCTCGGGGGCAGAGACAGGCAGGGCCCGGCGAGTGGCCCGAGGAGGCGCCGGAGTGGGCGGTGCGCTGGGCT	12
wt-33960-34080	283	GGCCAGCCCGGCTGGGAGGTCGGGGTGGCAGCCTGCTGTCTCAGGAGGGGCTGGCTCCGCCGGTGGCCCTGGGTAAGTCTGGGAGGCAGAGGGTCCGCTAGGCCCGGGAA	8
wt-34080-34200	284	GTGGAGGGGATCGCCGGGCTCTGTTGGCAGAGTCCGGGCGATCTCTGAGACCCTCCGGCCCGGACGCTGCCCTCAGCCCCAGACAGACCCAGGGTCTCCAGGCAGGGTCCG	8
wt-34200-34320	285	GCATCTCAGGGCAGCAGGCTACCACCCAGCCCGGGTCCGGCCAGCCGGGCTCCGCGCAGCCGCGCCGCGCCGCTGGCCCTCCTCGGGGCCAGCCGCGGTTGGCTTCG	12
wt-34320-34440	286	CCCTCTCTGTCTTCCAGAGGAACAGGGACCTCGGGCACCCAGAGCCCTCGGGCCCGCTCCAGGCCTCCTGGTCTCCGCTCCCTCTGAGCCCGTTAAACCCAAAAGATGT	8
wt-34440-34560	287	CTGAGGGGAGCCACCTCGGGGCCAGGCCAGAGTCCAGAGGTCAGGGCACCTCAGGGTCCCTCCCGGGTCCAGGCCAGCCGAGGGACCCCGCAGCCGGCGGCCAGAGG	12
wt-34560-34680	288	CGGTTCTCGCCCTTCCCGGGCTTCCAGGCCAGGATGTCGCCAGAAAGGACCTAGCGTCCCTTCTCCCTCCAGGCCGAGCCTTCCCTCGCGGAGAGGGGCTTTTG	8
wt-34680-34800	289	GGCCCTCAAGTCCAGCCACCAGACCCGAGTGGCCCGGATCCCCCACCGGCCCTTCTCTGTCCCCCTGCTCTCTCAACCTTCGCTCCACCTAGACCCAGCTTCTGGCCTCC	8
wt-34800-34920	290	CCGGTCCACAGGCCAGCCGAGGGACCCCGGAGCCCGGGGAGTGCCTTCCCTTCCCTGGCCTCTCTTCCGGCTCCACCCGAGCCCTCAGCTTGCCTCCCAACCGGGTCC	12
wt-34920-35040	291	CATCAGCCCGGGCGGAGGCCACCCCGGGCCGGTGTCAAGTCCAGGCTTCCAGGCTTCTGCTCCAGGCCAAGGGCGCCAGCTTTTCTCCCCAGCCTGAGGCCAGTCCCTG	8
wt-35040-35160	292	TGCAGTGTCTGTAAGTCCAGCCTCCACGCGCTCCACGGTCCCGGGCCAGCCTGTCACCCCTCCACGCTGGACAGGCCCTGTGCCACCCGGGCCATCCCCGCCCTGTG	8
wt-35280-35400	294	CCAGCCGACCCCGGGCGCCCAAACCTTTGTCAGATGTCAGGGGTCGCCGAGGGTGAAGGCCAGCCCTTCCGCCAAGCTGCTTTGATTCTGGGATATTTGGGAATGGTGT	4
wt-35400-35520	295	TAACCTTCTCCCTTGTATTGCTATTCAATCAACCTGATCCCCCTGCTCATACCTCCACTTACAACCAAGCCACTACGGCCACGTCGCCCGGCTCCCGCTCGGGTAAGTGTCTTTCA	4
wt-35520-35640	296	TTTTAGCCCGAGCCCTCTCTATAAGTCTAGGCAACCTCCAATCACCAGCCACTTCCAATGTAGTCTTAGAGAGTGGCTGCTACGATTAGAGACCCTTGGCCACCCACA	4
wt-35640-35760	297	GTAACCAACCAGCCCAATCTGTCTACATAGAAGAAGAGGATGAAGACTAAGTCAAGGCTTACCCAGGTTAGCCAGGTGATTTGTAATTTCAAGTTTAACTTTCTTCCAATCAAGCTTTCC	4
wt-35760-35880	298	AGCCTCCGCTTGTAGTCTAGTTATGGGTTTTCCATGGGGACTTAGTATCCGTTCTATTAGATTAACGTGCAAGACGCTAAACTTAACCAAGGTGAGCCAAAGGGACGCGTGTATCC	4
wt-35880-36000	299	CAGGCTGCCACCCTGAGGATTTCCCCCAAATCCTCCTACCCTCTTTATGCCATGTGTTGTTGGCTTGTGTTAGTGTATGTAATGCGTTGCCCGCAGGTGGCAGCCTGTTTAT	4
wt-36000-36120	300	AGATGTGCAGTACCCTTAATGTTAGTCTGCTTTAGGGTCCAGGTGGCGCAATCAGGATTAATTCACCTGTATCCCTTTCCCTCCACCCGAGTAACCCAGCACTGGCGTGTGACG	4
wt-36120-36240	301	TGGTGTAAAGTTTTGCCTGAACCTGTGGTGGGCGAGTACATGCCAAACCTTCTAAGCACCAGGCTGTGTTTGTCTTATCTGCCCATCATGCCTACATTTATCTTGGCTTAC	4
wt-36240-36360	302	ATGGGGGACAAACATATCATCTAATTTGTTGACACGGATAGTCTTGGAAACCCGCTCACTCTCAGTAATCCCTCGAATCCCTACCAGGAACAAGTGCAGACACTCCATTAATTTCACTAA	4
wt-36600-36720	303	CTGCTATGCAATGCTTTGGATGGCTAATATATTGTAAGACAATCACGGGGTACCAGGGGCTTATTTTGGCACAAGGCCCAAAACAGCCCTCAGGCCAGGTTGGTCCAGCCATG	4
wt-36720-36840	304	TCCCCCTTACGCCCGACAGCACCACCTTTGTACCTCTGTACAACCGAGGCTTACCCTCCACAACCACTCATGATGCCACCAAGGCTACCCCTCTACCCCTTGCACCTG	4
wt-36840-36960	305	CAACTAACGGTGCACCAAGGCCTACCCGCTCCTACCCTTGCACCCACACCACTACTCAGGTTACTCAAAGGCCCTACCGAACTTCAACCCACACCATACCCACCGCATGATC	4
wt-36960-37080	306	TCCCTGTCTGATGTGCCAGCAATCAATGCACCTCTACTCATCAAAGCACCCTAAATGATCCAGATAGTCCAGAACCAGGTCGCCGACTGTATTTATAACATTTCCACCTATGC	4
wt-37080-37200	307	CATTACCCCTCACAATTTGCCACCAGCAGCACACAGCCACCTCCAGGGGTCACTCAAGCACAACAAATACATCATCTACCCTCGGGGCCACCATGGTGGCCACCATCTGCG	4
wt-37320-37440	308	GACCTTGAGACAGACGCAAAACCTCCAGTCTAGCATGCCTGAACCTAAGTCCAGTCTCGGTTCTCATCAGGGACAAGGGGCTGGGACTCACCACTCTGGCCATCCAATGCCG	4
wt-37440-37560	309	CCCCGTTGTAGAAATTCACACAGGCAACCCCTAACGTTTACCAATACATGAACCGGAGTCCATAATAGCCAGAGGCTCCCATCTCTTCCCGATGATTGGTATCTCCATCTA	4
wt-37560-37680	310	TAGACCCCGCAGACTTAGACAAAGTTGGGATTACATTTTTGAGACAACAGAATCTCCTAGCTCAGATGAAGATTATGTGGAGGGACCCAGTAAAGACCTCGCCCTCCATCCAGTAAA	4
wt-37680-37800	311	AACCTTGCCTCTCCAGCAACCAATGATCCCAAAATAAATTTACTCTTTTGTCTTAAACCTGACAGCCTGTCACTTATCAATTAACAAGGGGAAAAGGTTTGTATTTCCAC	4
wt-37800-37920	312	CAACACGACCCCAAGGAGGCTTGCAAAATTTGGCTTGTCTCAGCCTTCCAGGCTTCCAGCAACTATAGCATGGTGGCAGCTCAACTCGCCGCTTACTGCCAGCTACTCTCCAC	4
wt-37920-38040	313	TCCAGTCCATGTTCCGACTCCTATGCAATTTCTGCCCTCCCACTTTTACCAGTCCCAACCCAAACACACACAACATAGAATTTGTTAGTTTAAACAGTTTATTGATGGTGGCT	4
wt-38040-38160	314	GCTTTTAGCCTAATTTGTATTGCTCTGTTGCCAAAACCTGTTGTAAGGGCCGACCCGCAACATGGGAAAACATAACCCCGCCATCCCATGGGAGGGTAGAGGGTGGATG	4
wt-38160-38280	315	TAGGTGAGTAGTGAAGAAGCATGGCGAAGTAGACAGGTTACTTTTAGAGTGTAGTACAGGGCCGGGCGCAACAGTGCACCAACCCGGGCTGAGCATTCCATGGGCAGCAGGGAC	4

wt-38280-38400	316	ACTGCACTACCGCCAGTCTGGGGCAGCCGGGGTTCTGGCGTCCGGGGGAGCCGGGGCGCCGGTGGGTCCGCTGGGCCGTGCCCGCTCCGGGTGGGGGTGGCCCCGTGG	12
wt-38400-38520	317	GCACCGCTGCGCCGCCAGTCTGGGGCAGCCGGGGTTCTGGCGTCCGGGGGAGCCGGGGCGCCGGTGGGTCCGCTGGGCCGTGCCCGCTCCGGGTGGGGGTGGCCCC	12
wt-38520-38640	318	GCTGGGCACCGCTGCGCCGCCAGTCTGGGGCAGCCGGGGTTCTGGCGTCCGGGGGAGCCGGGGCGCCGGTGGGTCCGCTGGGCCGTGCCCGCTCCGGGTGGGGGTGG	12
wt-38640-38760	319	GCCCCGCTGGGCACCGTGCGCCGCCAGTCTGGGGCAGCCGGGGTTCTGGCGTCCGGGGGAGCCGGGGCGCCGGTGGGTCCGCTGGGCCGTGCCCGCTCCGGGTGGG	12
wt-38760-38880	320	GGGTGCCCGCTGGGCACCGCTGCGCCGCCAGTCTGGGGCAGCCGGGGTTCTGGCGTCCGGGGGAGCCGGGGCGCCGGTGGGTCCGCTGGGCCGTGCCCGCTCCGG	12
wt-38880-39000	321	GTGGGGGTGGCCCCGTGGCACCCTGCGCCGCCAGTCTGGGGCAGCCGGGGTTCTGGCGTCCGGGGGAGCCGGGGCGCCGGTGGGTCCGCTGGGCCGTGCCCGC	12
wt-39000-39120	322	TCCGGGTGGGGGTGGCCCCGCTCCGGGTGGGGGTGGCCCCGCTGGCCAGTCTGGGGCAGCCGGGGTTCTGGCGTCCGGGGGAGCCGGGGCGCCGGTGGGTCCGCTGGGCCGTGC	12
wt-39120-39240	323	CCCGTCCGGGTGGGGGTGGCCCCGCTGGGCACCGCTGCGCCGCCAGTCTGGGGCAGCCGGGGTTCTGGCGTCCGGGGGAGCCGGGGCGCCGGTGGGTCCGCTGGGCC	12
wt-39240-39360	324	GCTGCCCGCTCCGGGTGGGGGTGGCCCCGCTGGGCACCGCTGCGCCGCCAGTCTGGGGCAGCCGGGGTTCTGGCGTCCGGGGGAGCCGGGGCGCCGGTGGGTCCGCT	12
wt-39360-39480	325	GGGCCGTGCCCGCTCCGGGTGGGGGTGGCCCCGCTGGGCACCGCTGCGCCGCCAGTCTGGGGCAGCCGGGGTTCTGGCGTCCGGGGGAGCCGGGGCGCCGGTGGGT	12
wt-39480-39600	326	CCGCTGGGCCGTGCCCGCTCCGGGTGGGGGTGGCCCCGCTGGGCACCGCTGCGCCGCCAGTCTGGGGCAGCCGGGGTTCTGGCGTCCGGGGGAGCCGGGGCGCCGG	16
wt-39600-39720	327	TGGGTCCGCTGGGCCGTGCCCGCTCCGGGTGGGGGTGGCCCCGCTGGCCAGTCTGGGGCAGCCGGGGTTCTGGCGTCCGGGGGAGCCGGGGCGCCGGTGGGTCCGCTGGGCCGTGC	12
wt-39720-39840	328	GCCGGTGGGTCCGCTGGGCCGTGCCCGCTCCGGGTGGGGGTGGCCCCGCTGGGCACCGCTGCGCCGCCAGTCTGGGGCAGCCGGGGTTCTGGCGTCCACTGCACCTGGAA	12
wt-39840-39960	329	TGCAGGTGGGGCGTGGTCCCTGGACCCAGCCCCGCCATCCTCCCCAGGGCGTACCAGGCTTGCCTGGTCTGGGGTCTCTGGGGTGCCTGCATCCCGGTAGGTTTGA	8
wt-39960-40080	330	ATGGCGTGGTCCGCTGCTGCTGCGCCGGTACGCTGGATTGCGGGTGGGGGTGGGTCCCGGGAGCCCGCTCCCTGCTCCACCCGGTCCCTCCCCAGGGCGTCCCCGCT	12
wt-40080-40200	331	TGCCTGGTCTGGAGCTATCCGGGATGCTGCATCCGCTAGTCCGACCTGGTGGTGCGGTCCGCTGGCCCCACCTGGGGTAGCCCGGGGTCTGCTGTCCGGTGCACCTGGAA	8
wt-40200-40320	332	GACGGGGGGGGCAGTGGGGAGGGCGTGGTCTGGGACCCCGCCGCTGGGGCAGCCGGGGTTCTGGCGTCCGGGGGAGCCGGGGCGCCGGTGGGTCCGCTGGGCCGTGC	12
wt-40320-40440	333	ACGGGGAGGACCGCGCCGAGCCACCAGGGGCCGGGGGTGGGGGTGGCGTCCAGGGCCGACCTGGTGCCAGGAGGACCCCGCCACCCGCTTATGGGGGGAGGGCCG	12
wt-40440-40560	334	CCGAAGGACCGCGGGCGCTGGGAGGTGTGACCCCGAGCGTCTGGACGACGCTGGCAGCCGGGGCTGCCTTTCTTTATCCTTTTTGGGGTCTGTGTAATACTTTAA	4
wt-40560-40680	335	GGTTTGCTCAGGAGTGGGGCTTCTATTGGTAAATCAGGTGTGCTATTTAGCCCGTTGGGTTTCATTAAAGTGTGTACCAGGTGGGTGGTACCTGGAGGTTATCTATTGGGATAA	4
wt-40680-40800	336	CGAGAGGAGGAGGGGTAGAGTCCCGAGATTTGGGTAGGGGAGCCTAGGAGGGTCCCTCCATACAGGTTGAACAGGAGGGGGAGGATTGGGCTCCGCCCGATATACCTAGTGG	4
wt-40800-40920	337	GTGGAGCTAGAGGTAGGTATCCATAGGGTCCATTATCCTGGAGTACCTAAGCTCCGGCCCTATACACAGTGGGTGGAGTACAGTGGTTCCTAGGTTCCCTGGGGTACC	4
wt-40920-41040	338	CCCCTACCTACCTTAAGGTGCGCCACCCTTCCCTTCCGTTTTAATGGTAGAATAACCTATAGGTTATTAACCTAGTGGTGAATAGGATTTGACAGTGGTATATACCTATAGTGA	4
wt-41160-41280	340	GTGCCTACTGACTTGCACCTTTGCACATTTGGTCACTGACCGATGCTGCCACTTCTGGTGCATGACCTGGCTGTGCCTTGTCCCGTGACAAATGCCCTCAGCGTGGTGGCTG	4
wt-41280-41400	341	CCTTTGGGATGCATCACTTTGAGCCACTAAGCCCGCTGCTCGCCTTGCCTGCTCACCATGACACATAAGCCCTGCTAATCCATGAGCCCGCTTTAGGAAGCACCAGTCCCGG	4
wt-41400-41520	342	GGACGGAAAGGGGACTTGGGGTATTTCTATGTGGGGGTGGAATATGAGCAAGAATAAGGACGGCTCCTTATTAACCTGATCAGCCCGGAGTGGCTGTTTACACTAACCCTGGGG	4
wt-41520-41640	343	CTGAAGAGTGTGACAAAGGGTCAAGTTCGTCTGTGTGTTGAAGGGCAGGGGCTTGGTGGTGCATCTGGAACGGCTTACCTGGGTAAGTGTGGCATTAAAGGTTGGGATAG	4
wt-41640-41760	344	GTTTAGCCCTTTAGCTGCCATTTGCAACCGGGGTGTCAGATGCAGGTCTCCGGGTGGGCAGGCAGTACGAGATGTACGTTGTGTTGTCTTTCCCTCCACCCCTGCTGGCTGGCC	4
wt-41760-41880	345	AAATGCGACCCTCATAGAGTTGTGTTTCAAGTCTGTGCTGTTTTGCGGTGGGTATTTCTCCCTCAGTGTGGCAGCTTATTTCCCGAGTGTTCACGTAAGTGGGCTGTGGACAC	4
wt-41880-42000	346	CTGAGGGAGCGCGCTTGGTGGTATGTGTTGGAATGCTCCACCCCTCAATTTTCGCTGGCTTCTCCCTTGTAACTGATAGCATAGCCTTAGGTTTCTGTAGGTCTGTTTGG	4
wt-42000-42120	347	GTTTGTGGTTCACGTGGTGCCTAATTTGATTTTTGTTTTCTAGTCCCTTAAATACATTTGTGCCAGATCTGTAGAGCAAGATGGCCTATTAACAAGGGAGATACTGTAGCC	4
wt-42120-42240	348	CTGTGTATACGGGACAGTCTGTGCATGAAATGGTACCCTGCATCCTGTGTTGGAGCTAGCAGCAAGAGAAACCTCTCCGCCCTTTCGCGAGGACACTGTAGTTCTGCGTTATCAT	4
wt-42240-42360	349	GTGTTGCTTGAAGGATAAATGAACAAATTCAGAGACATTTACAGAAACTTGAACAGATTTATAACACACACCAGCAATGTGGATCTGGATTTTAACTCAGTATTTTAGAGATATT	4
wt-42360-42480	350	CACCGTGGAGACCCAGCCTTGGGGCGCGTGGCCTGGATGGCTGGTGCATGCATGCCTGCAGGACATTTGTTGTAACCAAGTCTACTCCTTACTATGTTGTGGACCTGTCACTTCTG	4
wt-42480-42600	351	GGGATGTTAGAAGCCAGCGAAGCCCTGGATGTTGGAATCATCAACAGGGCGCTGGTCTACATTAATGAAGACAACATTCCTGGATCCAGAAGGTTAGCTGGACTTTGTTCTTGTCT	4
wt-42600-42720	352	GGACTGACTTTGAGTCTGTTAGTTATATGTAGTATTTATTTATCTCCAGAGGAAGACACTAATCTATACATTTTCTCAGCACTTATATGAATCAGGGTCAATGGGCCTGCGGGAACT	4
wt-42720-42840	353	GAGCCAGTAGGATATTAGGCAAGGGTGCACAGTGGCCATGATATAATTTAACAAACAGTGGTCTGAGTTTTAGGCCGGCCATGGGGGCTTACAAGAATAACATGCCAATGACCCG	4
wt-42840-42960	354	GCCCCACTTTTAAATCTGTTGACAGCAGATAGCTGATACCCAAATGTTATCTTTGCGGCAGAAATGAAAGTGTGGCCATATCTACAATTGGGTGTCCTAGGTGGGATATACGCCCTG	4
wt-42960-43080	355	GGTGTCTAACGGGAAGTGTGAAGCACACAGTAAATTTGCAAGCGGTGCTTACGCTCTTCTGTTAAAATAACACAAGGACAAGATACTAAAGAAATAACTGAGGTGAGTGTGGGAAGAT	4
wt-43080-43200	356	GGGAATACTATGTGTTATGTTAACGGGTGAGAGCCTATATGACGCCAGACTCGGGGGGAGGAGGAAATGGTAAGAGTATACTCTACTTATCTTTTTGACACTACATTTAACTGTTA	4
wt-43200-43320	357	TGTAACAATGTTGCTTATTTTTCATGTTCAATAAACGCTATGTTAATGATGAAGAACCTGTGTTCTTTGGAAGTGGGCCAATGGGGTAGTAGGTTTTGGGAGGGTGGCTGTAGATAT	4
wt-43320-43440	358	TCAACTGCCACAGACCCCATTTTGTCCACCTGTTACCACATTTAGTCTGCATCCAGTGGGGCAGGTGTCTACCATGGCTTTTCTAGGTGGATACCACAGTCCAGGCCCCCAAG	4
wt-43440-43560	359	GCTACCGTCTAATTAACCTCCTCATGCTCCACCCCAACCTGTGTTACTGTCGCTGATTATCTGGCTTAGCAGCCTCCAAGTTTACAAGCAAGTCCCATGCCCCTGGCTGGTCCAAG	4
wt-43560-43680	360	TCTCGCCGTTTTACGAGCCTGTTGTAGCCTGCCCCAAGTTTCGAGGTTTCCCCATGCTTCCACCCGTTAAACCAATAGCATGACAGCCAATCCAACACGAGGCAAGTTTTAAGAG	4
wt-43680-43800	361	TTAAAAGCACTACTGTTATTTTCCAAAATGAGCTGGGTATAGTTGATGATCTGTAGGCGCAGCTCATCCACATTCAGGTCCTTGTAGGCCCTGTAGATGGCATCTTCGTCGACAT	4
wt-43800-43920	362	TGACAGCCTTCTCATATACCGTGTCTCGGGGCTGACCTTATACAGAAGGCGTCCCTACTAGGTCACAGGCCAGCTCGTAGGTGGGGCTATGTTTTACATAACAGTTTCAAGCAGG	4
wt-43920-44040	363	TCTCTGGGATGTGAAGGGAGGTGCCCTGGAGCAGGAGATGCATGATTAGGCGCCCTTTCCATTTGTGCTGAAGATGGGGCAGATGGTCCACAAAAGTGTCCGGTGACCAGGTAAGCGT	4
wt-44040-44160	364	AGAGAAGCTGGTGGGAAAGTCCAGCCTTTACTGCACTGGGAGCTGCTGAGCAGAGACACATAAGAGCTTGTGGTATTATCTTGTGGCAATGTTGAAGAAGGAGAGCTGGG	4
wt-44160-44280	365	TGGAGCTAAACTCCTGAGGCACATGAACCTGGGACTTATGATGCAGATCTCGCAGTACAGCCAGAGTACAGGCTGTGGCCGAAAGGAGACAGGCGAAGGCACGCCGGGGAGAGAG	4
wt-44280-44400	366	TGCACAGTGCAGTGGGAGAAACAGGCCCTGTGACATGTATGGGGTGTTCATCTACGCAGAAAATCTTTCGCCAGCTCAAAGTGGCAGAGATTTCCCTGAAGAAGTCCCGTAGTG	4
wt-44400-44520	367	AAAAATGGGATCTGTCTACACCATGTCTGGTGTGCCGGGAACATATTTGATCGGGCCACACTGCCAACCTTTCCATTCTCCAGCTCTGAGCGAGATTTCCACACCTGGACACCGACT	4

wt-44520-44640	368	TCACGCTATGCGCCGAGGCGCTTTGAGGCGGTGTAGTTTCTGTGGTGCGGATGCATTAGCGGCGCAATGCGGGATCTGCCGGTCCGCTTGGCGTGCATTACGGGCATCTGGGGTGACCG	4
wt-44640-44760	369	GGCCCATCGGTTTACTTTTACACAGTACAGCTGGGAAGTTTGATAGGACTGTACCAGGTCAAGGCGGTGGATGCGCAGGACCACGTCCAGTTCCTTAGTACATCCACGAGGATTGTTT	4
wt-44760-44880	370	TGCCACTCTGGCCACTTGTGTGGATTTAAATATGTACACAAGCGTAATTAACGAGTACAGACCCCTGTCCAGATTCTGACCGGTGCAAGCGCTGCCTTAAAGGCTGGAAGCTGG	4
wt-44880-45000	371	GTGGGTAAATCTGACCAAACAGCAGCGCTCGGATTCGTGATGCTGTGGTGTATGGCACACAGGGGGTCGAGAACAGGTCCTGTGGAAGTCTTGCGGGTGCACATCTGCAGCCAGGCC	4
wt-45000-45120	372	TTAGCCTGGGGCATGGCACATCCAGCAGCGTGTGGTGTGTATGAGGAACACGATCTGTCTAGGATTTTGTGTGTTTGGCCAAACGAGTCAAGAATCAGGCTCTTGAAGCGGTCAA	4
wt-45120-45240	373	GGGTGTCCTTGGCGTCCGGTGGGCGCCAGGCTCTCGCAGATGGCCAGATGTCCTGTAGCCATTTGTGCTTAGTCAAACATGGGGCCAGGAGCAGGGCCCTCGAATGGT	8
wt-45240-45360	374	CGCCAGCCTCGGCTCGGTGATGGACAGTAGTACAGCAGCAGGCGCATCCCGCAGCTGATCCCTCAAAGAAGGCCACGGGGCATCTGAGTGATTGACCAGGTTCCGCGCAGAGTCCCGTCCGCTAGC	8
wt-45360-45480	375	TACCTAATAGTAGTCCACAGTAGTCGGCCTTGGTGTAAATTCAGGAGAGAGTCCCTCCCTTTTCGGCCCTGAGAAATGGATGCTGAACTCGGTTTCTGGTAGGCAGGTGGCAGCACAGGG	4
wt-45480-45600	376	CGGTGTACAGGCCCTGCCGACGTCGCCCTGGGACATCCTGGGAATCTTTCAGAGTTCGGGTCCAGGAGGGTAAAGAAAAGTGGGGTGGTCTGGGCCACATGGACTTGAAGCAGAAGT	4
wt-45600-45720	377	TGGCCGGGACTGGCCGCTGAGGATGGATTTCAGAACTCCAATTTGTAGTAGCCGAGGTTGGCATTCTAATCATGTCAAGAGAGGACACAGGAGGAAGCACCAGGCAATGTAAGT	4
wt-45720-45840	378	GAAGCTGGATGCAATGGCAAGAATCTGGAGGGCATGAAGGGAATCCAACCCCGGCCATGGGAAGTATTTATCAGGATGTGAAAAAGTCCATGCCTGTGATGAGGCTAGAGA	4
wt-45840-45960	379	TCCAGGCTCGTGGGCATTTAGACAGTAGTACAGCAGCAGGCGATGATCCCTCAAAGAAGGCCACGGGGCATCTGAGTGATTGACCAGGTTCCGCGCAGAGTCCAACTCCGCTAGC	4
wt-45960-46080	380	TGGCTGGAGAGAGGGACTCGTAGGTGTGGACGAGTGGTGGTAGGCTATGCCTTCTCCGCTTGGCTGGAAGATAGGAGTGGGCCATCAAAGGCCGACTGCCTGCAACTGGCTTTTCA	4
wt-46080-46200	381	GATTGTCCACGGTCCAGGCGACAAAGTCTCCATCTTTGGAGTTCGCCCGGATCTGTGCCACCTCTGTACGCCACTCTCGTAGGGGGCAGCTGGACAGTCTTTCCGGTCCAGGG	4
wt-46200-46320	382	GGTTTGGCTCGTTTGGCGTCTGTGACTTTGTGAGCCATGACACATCTGGGTGGCAAGGTGAGGCTTCTGGGTTTTAATACCGGGTCCGGCACCAGTTCCTGGACACCCGCCACAAGGAC	4
wt-46320-46440	383	AAGTGGGCTAGCAAGTCTCGAGTCTACGAAGACTCCGGGGCAGTCTTTGAGTTCCTGCGCTATGATCCACCCCAATCTCGCCCCCAATTCGCCCATCTGCCTACCGGAGGCTGA	4
wt-46440-46560	384	ACCTCCTGAATCACTGCATCTTTCTTGAAGCGTTTAAAGAAAGAGAATAGTGCCACGGGCTCGGTGGGTCCAGCGTGAGGCTTATTTTGAAGGGATATTAAAAACAGGTCATTG	4
wt-46560-46680	385	CTCGATTGTGGCAGCCGATAGCACCTAGATCTAGTGAATCATGGCAGCCCGGAAGAGAGGCTCTAGACGAGCTCAATAACGTAATTGTGTCTTTCTGTGACTCTGGTCTCTG	4
wt-46680-46800	386	GAAGTGGAGAGATGCTCCGGGGCGCATGTGTTCCAGGGGCGAGCTCCAACCCCTCTGCACCGTGAAGTGCGCCACGGACAGATTTACCACCTGGAGTTTGTCTACAAGTCTCTGGCC	4
wt-46800-46920	387	TTAAGCTGAAGAACTGCAACTACCCCTCCTCGCCGCTGTTGTGATATCCAACAACGGCCTGGCCACCACCTGAGGTGCTTTTTGCACGAGCCGTCGGGTCTCAGATCGGGCCAGAGC	4
wt-46920-47040	388	GGCCCTTGCCTGGTCTCTCAACGGATGTGACCTACCAAAGAAGTCCATCATTATGCTGGCCAGGATGACTTCAATGTTCAAAGGCCCTGGTCTCCCTGCTGAGCTTGATCTC	4
wt-47040-47160	389	CTGAATCTATGGTGTCTGCCGGCCTACATCAGGGAACACCGGACGATGCAAGTTCTGGTGTTCAGGCCGCCAAGCCAGAGCCCTCGGGTTCATGGATATGTTAGTATGAT	4
wt-47160-47280	390	ATGTCTCAGCAACTGTCTCGGTCTGGTCAAGTCGAGGATACGGGCGCCAGAGTACACAGTGGAGGAGTCCAGGCCCTGGCGTACGCACTCGGGGTGTCTGGGACTCACACGTTAGG	4
wt-47280-47400	391	GGGCGCGGTGGTGGGACTTGGATACTTTTCAGAAGCTGAGACCAGAGCAGGCGAGTTACGCTCCTTGGAGGGACAAGACTCGGTGCGAATCCGAGGCGGCCGCTGGAAGAAG	4
wt-47400-47520	392	GAACCTCGTGGGACCCCATCCGACGGCACCAGCAGCGAGACTCGCCGATGCGCGGGAGCCATTACCGGTGGAACACGTCGCCCCGAGACCCGGGAGACGGTGGTGGGGGAGCA	8
wt-47520-47640	393	TGGCGTATTCTTGGCGGCCACACCTTATCTGGCACGGGTGCTGGCTGTCACGGCCGTGGCCCTCTCCTGATGTTTCTGAGGTGGACCTGACGTTGCAGGCCCTTGGGGAGCGGGGT	4
wt-47640-47760	394	TCTCAGGCTCTGGATCTGGGCTGGCCTGCCTGGATCTGAGCTATGTGAAATGAGGCAATTTGTGGTGGGGCAGGCCCCAGCTCTGAGGCGGCTGTGGCCTCTACGCCAGGCT	4
wt-47760-47880	395	CGCTTTTCCGAAGCCACTCTGCCGCTACTGGTGTGCGAGGTGGAGAGGCCCGGGGCGCTTTCGCTCGGGCCAGTACAGACCCAGTCCAGCCAGTCCCTGACCTCGCCCATCTTG	8
wt-47880-48000	396	GCCCGTCCCTCTGTCCCTTTCAGTGGTACCAGGTGGTGGTGTGGAGCGGTGGCCTTTTGAACGCCTTTTCTAGCTTATTTTTGGTGTGCGGTCTGTTTTCCCGCGTTTTCCG	4
wt-48000-48120	397	ATAGAAATAGCTGCCTGGATCTGCGACCCGTCCTTCTGCGAAAACACCCGGGCGGTGGCCAGGGGTTACCAGGGCTCGTGAAGAGGTTCTTGGCATTCTGTTTGGAGCTAGTAGCT	4
wt-48120-48240	398	ATGACCCCTTGTGGAGGCAAACTAGGCCTGTGGAGCGCTGCTTTGCCATCAAGAATTATGTCGGGGCTGGACTCACAAAGCTGTGTGACGGTCCCGAGCTTCTCCCGCTGGG	4
wt-48240-48360	399	CCAGTCTCACGCCAGCGAGCTCGATCCCGGGAGATTGCGACAGAGTTACACCAGCGACTGCACCTTCGTTCTGGTGTATCATGCTCGGCTCTATTGGCCTCCCTCCAGAAGAAG	4
wt-48360-48480	400	CCTCCGACACCCCTGTGGGAATCCCATTCAGTGGATGTGTAACCGCTGTTGGTAAACTCGTGCCTGAGGAGTCCCACTGTCTTCTGCTATACCTGCCGCTCTGAGGGGGGAGAA	4
wt-48480-48600	401	AGACGGCGGGGGCGTAGGGGAGGAGCTCGTGGGGCCGGGGGCCCTGCCTGAGCCGGATGTTTTCTGGCGATCGTAAGCCGCAATGTTCTCTGCTGTCTGCTGAACTGCTGCCG	8
wt-48600-48720	402	CGGGTCCCGGGCTACAAGTGTTCAGATCCACGCCCTCCAGACCGGTGCTGGCCCGGATACCCTCCCTTGGCCGTGTTTGCATGGACTGCGGTTACTGCTTGAAGTTCGAAAGC	4
wt-48720-48840	403	AGACAGGTGATAGGAGCAGGCTCAATTCCTTTAGACCCACTCTCCAGTTTTATCCCGTGACCCAGAAAGGAGAAGCATGTGCTGACCTGCCATGCCAGCGGCCGTGTACTGCTCCAAT	4
wt-48840-48960	404	GCGGCTCTGCGCGGTGGGCTGCCAGAGGCTGGCTGAGCCACCGAGCCCGCTCGGGTGGCCGGCCGAATCCGGGCGAGTCTGCCGACACAGCCGCTACGAGCTCGACCGTGCT	12
wt-48960-49080	405	CCCGCTCTTGGATGCCATCATCCCTGCTTGGGACCCGACCCGACTTGCATGCGGCCGCTGGTCTCGGGGGGTGACGGTCAGGCAGCTCCTGTATTTAACTTTGCGGACAGAGGCCA	4
wt-49080-49200	406	GAGCCGTTTGTCCATCTGTGAGCAACGCCAAGCTCCAGAGGACGCCGCGACGAGCTCACCTGTTCTCCTCTGTTAGAGGTAGAATTGCCACCTGGTGGCGGTGTGCGGGTGGC	4
wt-49200-49320	407	GTCTCTATCAGACGCTTATGGCAGCGCGCTGCCAAGCCACCCTCCAGGGGAGGCTGGAGGCGGATTTCCAGACAGTCCCTGCTTCTAAATTTCAAGAGCTGAACAGAATAAT	4
wt-49320-49440	408	CTCCCAATGATGTTTTTGGGAGGCTCAAGAAGATTACCTGGATTTCTGACATCCAGTTCGCTACGAAGAGTACGTCAGAGGACTTTTGGGGTGCCTGGCGCCAACGCGCCATA	4
wt-49440-49560	409	GACAAGAGGCGAGAGCCAGTGTGGCTGGGGCTGGTCTATGCACACTTGGCGGTCATCCGCCACCCCGTCCAGCAGGCTCAGGCCCGCCGATCCGCTGGGACCGGGGCTTGGCA	8
wt-49560-49680	410	TCATCAGCGCGTCCACGGCTAGCCAGTCCGCGACCCCTGTGTTTCTCATATTAGCAGCTCCGGGCGCGACTTCGGGGCGGACTCCGGCCGCTCCGCGCCGCTCCGCGCCGAGCGCTC	8
wt-49680-49800	411	GATACCGGTCAGGTGGCGGGGACAACCCACGACACCCGCCACCGGGGACAGTAAGAAACAGTAGAGGACACGAAACATGGTGTATGCACTTTAATAAAACAATTACAGATACA	4
wt-49800-49920	412	AAAATGAGTCTCTCAGGCTCGCATGAGCGGTGGTGGAACTCCAGCTTGGCGGAAGCTGGCTCACGAAGCAGACAGTACTCGGCTAGCTGACTAAGGGTGGGCTATAAC	4
wt-49920-50040	413	GCAGTCTGTTCCGGGGCGGGCTGGATAGAGAGGAGGGGATCCGGAGGGGACCACTAGGTCGCCGGAGGTCGACCTCCTGTACCACCTCCCTGATAATGTCTCAATAGACAGAA	4
wt-50040-50160	414	ATTGGGTGACCACTGAGGGAGTGTCCACAGTAATGTTGTCTGGCTAGATGGCGGGGTGAGGCGACGCTTTGCGAAAACGAAAGTGTGTTAAAAGGCGGGATAGCGTGGCTG	4
wt-50160-50280	415	CGGATGGCGGTAATACATGCTATCCATTACATTTTGGCATTGTCGAGCTGGGAGCGGGGATGGGGGCTCTTTTTCGACGGTGTATGTTTGGGACCCGATGCGGCTAGG	4
wt-50280-50400	416	ATAGGCGACCTCGGGCCGCGCCAGGCTCCGAGCCGGAATGCAATGGGGCAATGGGATTGCGGGGATTTGCTGTCTGCTCCTGACAGGAGACACCGCGCGGAGATGACAG	8
wt-50400-50520	417	CCGACGGCGGGCCGGTGGGCTGCCCCGAGGACGGGCGCCGGCCGACGCGCCCGTGGCTTTGGCACGGGCTGGACCCACCGCTTAATTTGGGGGTGGGACGGGAGCTG	12
wt-50520-50640	418	CATCTGGGGCTTTGTGCTTGCCTTTTTGGGGGCGCGTGCCAATGCACCACTGGGGTGTGCGCCGGGCGGCCAAGCCGACCCAGGGCGGTGCTGGGGATGGAAAGCCGG	8

wt-50640-50760	419	ACGGGCGTCTCCCGGGTGAACGCTGGAGTAGCGGAGGCTGCTGCGCGGGCCACCACGCGGCGCAGGGGTGCGAGCCGAGGGCGTGGGGAGGCGGGTGGCGGAGGGCCGAATCT	12
wt-50760-50880	420	CCGCGGCTTCTCCCGGCCCTCGCTGTTCTTCTCCCGTTGCATGATAGAATGCCCATAGGGTGGTCTCGAGAGGAGGCTTGTGTCTCGGGGCTGGAGCCAAAAGTCGTTAAAG	4
wt-50880-51000	421	ATGCCGCTGATGGTGTGGGAGCTATGCCTCCCGTCGACTGGCCGGCTTGTAGGGGGCTGAGGGTGGATAACTGGGCTTCTGTGAAGGCACCAACCCCTGGAATCTGGATGGTATGTTTCT	4
wt-51000-51120	422	TCTGTGACCCCGAGGCAGTCGATGGTGTAGAGTGTGGAGACAATGTGTAGACGATGGGCCCTTGTTCAGAAAGCCAGGGAAGCTTGAAGGGGGCTGTGTGGTCTGGTGGGGAAGGAGCT	4
wt-51120-51240	423	CCAGGGAATCTTTGGGCCATGGCTTGGGAGCCTCCCGGGAGCCGCTTGGGCTCTCGGCAAGCCCTCGTTTCGGCCCGAAATAGGGCTTGGCATCAATCGGGGGCTGGGAGAGTGA	4
wt-51240-51360	424	TGGGGCGGCCAATCCCGGGTAACTGTCACGTCCCGGGGAGGAGGTGAGAGACGCAAGCTCCCTGGGCTGCCAGGGGCCACCTTCTAAGAGGGGCTCTGTGGGCTGGGAGGGC	8
wt-51360-51480	425	CAGAGGCCTCAGATTACGACAGTAGTCTCCCTTTCCCGCTTCCCGCTCTCCCTCCTCCAACTGCTGGAGCCGCTGGAGGAGGGCCGGGTGTATCTGCTGACTGAAACCCCTGCC	4
wt-51480-51600	426	CGTGACCAGTCCGTGCCACCCTTGGGGGAAACCGGAGAACAGCTCCTGGACGTTGCGTGGATTGGGGGAAAGCTGGTATCCAACCGGCACTGGAGGATCTCGTCTCGTAGAAGG	4
wt-51600-51720	427	AGGGGTGAGTACATCGGTCCGCCATCGTGAAGCCCGGGCCGCTTAAAGTAGAACTGCACGTCGGCGAGATTGGCCGATAGGTGAAACACTTCCAGATGATGTTTTCTGTGGCCA	4
wt-51720-51840	428	GGATGGCCACGGTGGGGGGCTGGCCCTCTTAGGTTTGGCGCCCTGGCCTCGGTGAGAAGCTCGCGTAGCCACACGGCCTGGCGTGCAAAAGATGGACATCTCGCTCGAAAGACTCGG	8
wt-51840-51960	429	AGTAGCCGTCAGGTCCTGCAGAAAATTCAGCGAGATGGTCTCCACAGGGACCGGAAGGGCTCAGAGTCCCGTCCGAGTAGAGGAGGGGCAACGACCCTGACCTGTCCAGGGTCT	4
wt-51960-52080	430	TCAGGTTAAACAGATATTGAGAGGAGACAAGAGAGTTAGGGGCCGACCGAGGAAGGCCCGCCACGCGCCCTCAAAAACGGAGACGGGATGGTGTACCCGGAGCCCTTAGGAC	4
wt-52080-52200	431	CGGTAATGGGAGTGCCATAAAGCATAAGATTCTCAGGGCCCGGGTAAACGGTCCGCTAGGAAGACGGGTTTCGCGGGGACCTCGAGTCCCTCCGCCCTGGGAGCTCTTCTCCGC	4
wt-52320-52440	433	GGAGCAGCATGCAGGCTCGGGCGGGCCGCTACTTTGGTTGGACCAGGCCAAGAAGCTCGGGTGCGGCCAGAGGGCGGCTGGGTATCCATCTCTCCAGGCGCTCGGAAGAAGA	8
wt-52440-52560	434	TGAAGCCGGTGGGTGACCGGCATGCGGTGGCGGGTGAAGCGCCGCGCTTCCCGCTGTTGCTGCGCGGGTGGTTGAGGGCATGCCCCCTCCCGAGGCTGGACTCCTGACCA	8
wt-52560-52680	435	GCCTGTAGGTGAGGACCGAGTCCGACAGGAGTCTCCAAACCCCATCTCTCGTAGAGCCGAGACAGGGCGGAGTCTCGGTAGAACGATGGGGCGCCAGGAAGCGGCGAGCGTAGG	8
wt-52680-52800	436	CCGGATGTGTGCCACCGACGAGCCATCATCTCCCGTTTTCCTCAATAAGAATAACTTCCCGGCTGTGGCCGGGCTGGATAAGGGGGGTGATTCCAGAGGCGATGAGACTGGCGTGGC	4
wt-52800-52920	437	CTAAAAGTGTGATGCCACAATGGGTTGTCTGCCAGGCTTCCATCAGGGCTTGGGCGCAGAGACGTATTCCCGAAGCAGCTCCCGGGCTGGACTCCACGTCGGGCCAGGTGTCCC	4
wt-52920-53040	438	AGTAGGAGTCCGCGGGCGGGCTGAGCGGGCGGAAGCTACACTGGCCAGGGTCTTCTCTCTCTCTTGGTATCCTCGGGGGACCAATAGCTTGGGGCGTCCGGCTGGGGTCA	8
wt-53040-53160	439	GGGAAAAGCCCTCGGGTCTCCACGACCGTGGGCATGACATATTCAGAAAGTTGGGTAGACGGGGATGTAGTTGAGCGGCTCCTGGTGTCTCGGGAGACGTAGCCGGGTTAAGGG	4
wt-53160-53280	440	GGTCCGAGGGAGACTGTTTCCAGCCAGAGGGTCCCGCGTATTTCCCGGGCCCTGCCCGCCGAGAAATGTGCCCGGGGTGGGGCTCCATTGCCCATCCAGTTGGTGGTGGCGG	8
wt-53280-53400	441	AAATCGTATGAGGAGGGCAGGTGTGGTCAAGGGATGTTAACGAAACGGTAGGGTGGCGGCTCTGCTAAAAGCCAGGAACTGCTTGGCCGATGGCATAGCCAGCAGCTTGT	4
wt-53400-53520	442	CCTTAGGAGGGCATACTGGGAGCCAGCCAGGCCCAAGCGCCAGGCCCTGGCAGCCTCCACCAGTATCTTGAAGTGGCGGGGTGGTGTGGCCCTGGCTGGGTGACCAGATCCT	8
wt-53520-53640	443	GCAGCGTTCCTCGAGCTGGACTCTTCTGGGCTCCTGGATGATGGCTCCAGTCCGGAGAGGGCGCTTTCCAGTCTGCGACGGTCTCCTTCCCGCCGCGACCCGCTTGGGTCCA	8
wt-53640-53760	444	ACGTGGCCAGAGCCAACTCAGCTCCTCCATGCCATCCATGGAGTTCTGGGCCATGCCCTCGACTCCAGGAGCCGTGTAGCTCATGAATTCACCGTACCGCGACGGCGTAGGTTCA	4
wt-53760-53880	445	GCCAGGCACCCGCGCCCAAGCTAAGGCCAGGGCTCCTTCGAAAGACCCCGCAGGGCTCCGAGATGCCCGGATCCACTTGGCGGCTGCCAGGGATTTCCGGTAGGGCCATGAGCCGT	8
wt-53880-54000	446	TCCCGCCGCTGCCCGGGCAGGGCGGCTCGAGGGAGGCTGGACAGGGCTTGGCGGGGAGGGAAGCAGGCTCCGGAGTTCATCGTGGGGGCTTCGTCGCTGACCTGGAGAGGA	8
wt-54000-54120	447	CGGCTCCAGAGCCGTGTGAAAGCCCGCCGAGTGTCTGGCGGCTTGGCGGCTTCCGCTTCCGCTTCCGCTTCCGCTTCCGCTTCCGCTTCCGCTTCCGCTTCCGCTTCCGCTTCCGCT	8
wt-54120-54240	448	CCTCGGTGAGCAGCTCCGAGAAGAAGTCCCGTGGGCTGGAGGAGATCGTCCGCTCTCGCTTGTGAGCAGCTGGGGCTTCTTAGGCCAGAGCGCCGAGTCCGAGGCCAGCTGGGCG	8
wt-54240-54360	449	GCGCAGGGCCGAACGGATGGCATCGCCGCGCTCCTGGCGGAAAGAGGGCCCGGCCGCTTCCCGCTCCTCGCCCTCCTCCTTCTTGGCGGTAGCCGCGGGGTGGCGGGCC	12
wt-54360-54480	450	AAGCGTCCAGTCTGGCCAGAGGGCCGCTCGATATCCGTGAACAGCCGGTTCGCGGCTCCATTCTCTCCGCGCACCCATCGTCCACGAGCAGGGATCGCAGTCTCTCCCTCC	8
wt-54480-54600	451	TCACCTCGTATTCCCAATAGCATAGCGCAAGGATCTGTGTAGGGAGTCCAAGATGTCCGTGTTCTGGCTACTCCGCGCTGCTGCCGCGCTGAGTCCGATTTGTCTGGCAGCA	4
wt-54600-54720	452	GGGAGGCAGCAGGGTGTCCAGTCAATCGGCGAAGTGGAGCGGGCTCGGGCGTCCCGCCAGCCGCTTCCGCTTCCGCTTCCGCTTCCGCTTCCGCTTCCGCTTCCGCTTCCGCT	8
wt-54720-54840	453	TCCCTCGTATTCCCAATAGCATAGCGCAAGGATCTGTGTAGGGAGTCCAAGATGTCCGTGTTCTGGCTACTCCGCGCTGCTGCCGCGCTGAGTCCGATTTGTCTGGCAGCA	4
wt-54840-54960	454	GGGAGGCAGCAGGGTGTCCAGTCAATCGGCGAAGTGGAGCGGGCTCGGGCGTCCCGCCAGCCGCTTCCGCTTCCGCTTCCGCTTCCGCTTCCGCTTCCGCTTCCGCTTCCGCT	8
wt-54960-55080	455	TCTCCTGTCTCCTGTTCTCGAGCTTCTCCTTTTCCCTTCCGCGGGTCTCCATAAGCTGCCGAGCTTCTTCTCATACTGTCGCTTGGAGCTTCTTGTGGGGGAGTGTCCAGAAAGG	4
wt-55080-55200	456	CCTCGAGCTGTTCTCGGTGGCGGGCTTAAAGCCTTCGGCTCCAGGCGCCAGGCTGCACCTCCTTCTGCTGAGCTGATCGTTGTTGTTATTCTCAATTTCTGCAGGTAACCTTAGGA	4
wt-55200-55320	457	AGCGTTCCTTGAAGCTCCCTGGGATGAGCGTTGGGAGAGCTGATTCTGACGCCAGAGAGTAGTCTCAGGGCATCCTCGGAGCCTGACCTGTGATCGTCGCATCATAGACCCGCACTA	4
wt-55320-55440	458	GACCTGGGAGCAGATTCACCGCCGCGGCTCCTTTAAGGTGCTGTGAGTAGCAAAATTCGCAAGGCCACTAGGCGCGCTGGCTCCAGCGTACAGCCGTTGCCATCTCGAATGTGT	4
wt-55440-55560	459	GCAGGCCTCGAGACCATGGGGTCCAGGATGCGGTCAATGCCATCCTGCACCTCAGGGTCAAGGACCAGCAAGTACGATAGAGGTTGGTCTATGCTCTCCGCAAGGAGGCAATGTAGT	4
wt-55560-55680	460	TATCGATGGTGTAGAAGGTGATGGATTTCAGGATGTTTCATCAGGACTTTTTGGAGCGAAACATCTGCTGTATAGTGTACAGTGGGCGGATGACGTTGGGTTCTTTCGGCGCCCGACTA	4
wt-55680-55800	461	GAGAGATGGGGGCGCTGGGGCCGAGGCCACACCGGCCAGGCCAACATGCTCGATGTCGTCAGGATGGTGGCGAGGCGCTTTTCGTTTCTCTGGTGGTCTCGAGCTCCTTCTGTT	4
wt-55800-55920	462	TTTTCCGCACTGTCTCAAACTCTGGAAGGGGGCAATGCTGGGGTCTCCTCCTCAACTCCTCCAGGGGCCAGGGGATACCGCTCATATCACTAAGGGCGGTGCCAGGTAGAGGAGCT	4
wt-55920-56040	463	CGCGATAGTCCATTCAATGGACGTGTACCCGATGTTTAGGAGAGGCGAGGGAGGCGATGATCGGCATGTGTGCCGAGGTGTGTGAGGAGGTGTGCAAAATCCATCACTGTTGGGAGG	4
wt-56040-56160	464	TTGGGTCCTCAAGGTAGGAGAGATAATCGAGGCGCGGAGGCCACCTTGTCCCTGCTCCGCGGTACACCTGCGCAGGCTGCGAGGCGGCTTTCGTTTCTCTGGTGGTCTCGAGCTCCTTCTGTT	4
wt-56160-56280	465	CAAAGGGGGGCACTGAGGCGCGGGAGGGGCCCACTATCTATCGCTGTCAACAGCGCCAAAAGCGGACGCTCCTCCTCATCTACCCAGCCTGTTGCTGGCCAGGCCGTTGGGCGG	8
wt-56280-56400	466	CCTCGCCAGGATAGGAGGCGCTTCCAGCTTTCGTCGTCAGGACCAAGGGGAGCTCCACGTCGCGGCCCTGTAGATGGAATATCCTCGGGTCTCCTCCTCCTTCCCGCCTCCT	4
wt-56400-56520	467	GATCTCCGCCGAGAGCAGGTCGGTCAAGCGCTGCGGGCCGCTCCAGGTTCAAATTTCCATCTGCTGCTCGGCCAGCTGGGGAATTTACGCCAGCATTTAGCACCCGCACTTACAC	4
wt-56520-56640	468	GGACCGCTCCTTCTGTCGAGGAGGCGGAGGCGAGGCTCCAGCTTTCGCGCCAGGCTTATGGAATCCTCCGCTCCTCCTTCTTCTGTATAGCATGTTTGGAGGTTTGGATGT	4
wt-56640-56760	469	TAAGTTCGGAAGTGAAGTGTCTCCAGGTCAGGTCGGGAGGCTCCGAGTCTTCCGACGACTCTTAAAGATCTCAGCAGATTAGCACAGACGATCGTCCAGCTCCTACTCCTTATAGCC	4
wt-56760-56880	470	CCTGCTCAGGACCACTGTCAACAAGATAGTCTATCATGCTCAAGGCATCTGCCCTCGGCACCTCCCGGTTAGAGCCCGGGTCTGACGATGAGGCTGTTCTGGTAGGTTGTCCGG	4
wt-56880-57000	471	CTATTCTCGAATGTTGCTCTCGAGGGGCAAAAGTCCATCTCAGGAGTCTCTATGTCAAAGTGGTCTGATAGTATTGGCTCCTGGCGGTGTCAGTGTGATGGGGGAGCTGGGGGAC	4
wt-57000-57120	472	TGGATCCCGATTCCAGGCTGTTGGAGAACACTCATCTCGAACATGTCTTCATCCTCTGTTGGTGGGATATCGGAGGCTAAGTGCCTCCTCCGCTTCTCAGAGTGGACATGGATAGGA	4

wt-57240-57360	474	AAGGCTCCTCTAGGTCAGACAGGTAGCGGACGAGGCGCAGAACCCCCAGATGCATCATCCCCAAAGGAGGGCTGCTGCCGAAGGGAGGTGATGGGGATATCTCCGTTCCAGCCCTGTGAG	4
wt-57360-57480	475	CGGCCGGGGGATGGTTTTTTCTGTTTCGAGTGTCTGGCTGATGGTGGGAGCTGCTGAGCAGGAGGAGAGCCGGGGTAGCTGATGGCAGGGGCTGCTGCTGAGGAGGAAGAGGAGAAG	4
wt-57480-57600	476	GAGCCCGGGCGGCTGATGGCGGGGCTGCTGCTGAGGAAGAAGTGGAGAAGGAGCCGGGGCGCTGATGGCGTGGGCTGCTGCTGAGGAAGAAGTGGAGAAGGAGCCGGGGCGGCTGATT	8
wt-57600-57720	477	GCGGGGCTGCTGCTGAGTTGGAGGAGGAGAAAGTCTGGTGGTGGGGGCTGCTGCTGACGTCGGGGAAGGGGATGGGGTGGTCAGAGGATTTTTGGGTTGAGGGAGCTGCCGTGTG	4
wt-57720-57840	478	GCAGAGGGATGGGTATTTGCAAAGGGAGGCGGAGGAGTGGAGTACTGAAGGAGCGATAGTTGAGACTGGCGCGGGTGGGGTGTGCGGGAGGCGGGTGGTATTGGTAGGGATGGGGA	4
wt-57840-57960	479	TTACTGGAGGGGAAGGCGAGCTGCTGAAGGGGGCGGATGGGGCGAAGCTGGTGGTGGGAGCTGATCATCTCTGTGTGCTAGTGGTGGAGGACAGAGGAGGCGGGCGGCGAGGTGG	8
wt-57960-58080	480	GCTTCTGTGGGGCTATCTTTGCCAAATCCCTTTTCTCTTTGGGAGTCTGAGGCGCTGACGCCCTTGGTGGCTGGAGGGAGCGGGGACCCCGGGGTTGACTGAGGC	8
wt-58080-58200	481	CGGGGATGGGGATGAAGAGGGGAGGGCTGGAGGCCGGGGCCGGAGGCCGGGGCCGGGAGGCCGGGGCCGGGAGGCCGGGGCCGGGAGGCCGGGGCCGGGAGGCCGGGGCCGGCAG	16
wt-58200-58320	482	AGCCCGGGCCGAGAGGCCGGGGCCGAGAGGCCGGGAGACGACGCCGGGAGTTGGTCTTTGACAGACTATACCTGGCGGAGGGAATGAGTCGGATGTGAAAGATCGAGAGGGCAGTG	8
wt-58320-58440	483	GCCTGAGGTTATACGGTATTATTCGCCGTTCAAACCGTAGCATGACGGGAGGGTGTACTACGACCCGGGCGTCCCGCCGCTCCCCATCACTGGACACAAGCTCGGGCCCCACCAGGT	4
wt-58440-58560	484	CAAAGCCGCTGCCGTTGGCCTATAAAAGTCATACACGCCATAGTGTCCAGCATAAAGATCGGGGGCTCTGTCTCAAAGCCCTCGGATAGAAAATAGAGATGCACGCAAGTGTACT	4
wt-58560-58680	485	GGGCCCTGGTGCCCCACGTAAGTGCAGGATGTCGTGCGCATAGGTGCTGACTCTGACATGCGGGGCTGCTGCCGGGCGCATCTCTGGCAGTGGGGTCAAACAAGTAGAAGGAGC	8
wt-58680-58800	486	CATCTGCTCGATGATGATGCCCCCGCTAGATGTCGCGAGATGAGAGGATGAACGGGCCACCCGTTGTAAGTGGCTGCGAGACCTCGGCCAGGACTGAACAAGTCCCGAGTTTG	4
wt-58800-58920	487	CGATCTGGGCAGGGAATAGGACGAGGCCAAAGATCTCCGCCGAGCGGTATATGTGACGCGCCACCGCCCTCAGGACCAGGAGCTGGGCACGTCGCTCAACTGGGCCATCTCGTGCC	8
wt-58920-59040	488	CCTTGAGGATGCCGCTCTGGCCATGAGGGCATCCAGCCGCGCCCTCGTCCAGGACTCGTCCAGCTCAGGGCGGAGGTCAGGGGGCGGCCGCGCCAGGAAGCTTTGACCAGGTAGA	8
wt-59040-59160	489	GGACGAGTGTGCTGACGCACTGGATGCCGGCAAAGCGGCCAACTTGCAGTGGGCTGGTGTGACGAGGCGGCTGCTAGGATGCGGAGGGCCGAGCCTCCACTCCCGCCCCGGGGCAT	8
wt-59160-59280	490	TCACATCCATGGTCTGATTCGCGCACGCGGGCGGTTCCCGGGTCCGCTGGCTTTGCCCCAGTCGCCGTTACTCATCTTCGGCGGTGGGGCGGGAGGACGCCCTGTGCCCCCTT	8
wt-59280-59400	491	CTGGTCCGGGCTTACGCGGCTGGCGCGGCAGCCGCCGAGAGATAAGGGGGTACGTGTGCTGCCCTCCTCTGTCTGGGCCGCCCGCCGCTTGGCCGCTTGAAGGAGAG	8
wt-59400-59520	492	GGGTAGTCCGCGACTGCGTCTCGGGGGCAGGAGTCTCAACCTTGGGCTCGGGCCGGTGTGATATCCGATGGCCTTTCCCTGTCTTCTCTGATGCTCTTCTCTCTCTCT	4
wt-59520-59640	493	CCCGCACGCCCTGAGATCTGCCCTCCCTCCCTCTCCCTCGTCTGTCGAAAAGTCTGAGGAGGAGAAGGAGAATGGGAGGAGTCCAAAACGGCACGCCACTGCCGTGGGGCGGT	8
wt-59640-59760	494	GGTGACAGGTCGCCGCTGGCCGGCGCTTGTCTCGCTTCCCTGCCGTTACCCAGGAGAATGGCCGCGAGTTTTTGGCGGGGAGGATGCGGAATGGCGGGGGCTTTGCCACGGGTGAG	8
wt-59760-59880	495	GGGGAATCGTCGGTTAGGGCCGGCAGGTGGTGGTGTGGACCCGGCGCTGCCAGAAAGGCGGAGGAGTCTGGGGGTGACTGTGATCTGTTCCGGATTAGTCC	8
wt-59880-60000	496	ATGGCGGGTGTGTATGTTTTAATAGGGTGGTCTCTGGCGCGCAGGATGATGGTCCGAGGACCTCCACCAGGGCTTGCAGATGCTCTTGCCTAGATACAGGATGTCGTCATGCTGAGG	4
wt-60000-60120	497	GGAGTGGGGTGTCTGCTCCCCCTCGGAAAGCCGCTGGTGCGGGATGAAGACAGTGGTGGCGGGCTCTCGCCGACTATGGCCTCGGCACGCTCGGCGTGCATGGCGGGTGGC	8
wt-60120-60240	498	TGGAACAGCGGGCGAATGTGTAATCCCGAAACCGTAGGCGACGCTGCGCCTGAGGCGGCCGTCAGGCTGTATCCACAGTCCAGGGCGTGTCCACCCGCTGTTGAGCTCCTCGAGA	8
wt-60240-60360	499	TCCGACGCGAGGGGCTCGCTGGTGTGGGCCAGAGGGGGTATCCGCGATGCCCGGCTCCCTCGTAGGGGCCGACCCAGGAGGCGCCTTCTGAGGGTGGCCGTGTGGCCGTGGCCAGG	8
wt-60480-60600	501	ACCACCGCTCCTCCTCTCTTCCGTCGCGAGGGATGTCACCTCCGGTCTCTGCTGTACAGGAGCGGGCGGAGCACAGCCTCAAAGTGGCCCGTCAAGCGCGAGATGTCC	8
wt-60600-60720	502	TCCGAGAGGGTCTCACCCGAGACCAGAAAGCGGGTGGCCAGGCCAACGACTCCGCGCTGTCGAGAAAGGCGGAGGAGTGAAGAGGAGTGAAGAGGGAGTGGCCAGGCAAGCCGT	4
wt-60720-60840	503	GGTGTCTCCGCCCGGCTCTGAAGCTGAGATAGTCTCGGAGATGATGCCTGAGACCTCTCGGACGGCTCCATGATCCTAAGGACTGCGTGTGGACGACAGCCCCAGGGGCCCGG	8
wt-60840-60960	504	CCCTCTGCTTCTGACACCTCGGCTCCTGCTGCCCGGCTTGCCTTCCCCCTTAAGTTGAGGGGGCGAGTCCGACCCGCTGGGGGACTCCCCAGGCATCGGAGGGGCCCGTCA	8
wt-60960-61080	505	TAGATCTCCAGACGGTGGCGTATATGAGCTCGAGAGGACGGCGGGCCGGTCCAGCTCGGGGGAAGGGAGGGCCAGGTCGTCGCCAAGGAGACCAGCCAGCGCAGGGCGCCAGAGAG	8
wt-61080-61200	506	CGGTTTTGGCAGCTGTTGGAGAGACCCGGCGAAGGGCGGGCAGATTTGAAACTCATGAAAGCGCGCGGGAAGAGGGGCTGTGGACATAGCCGGATCCGCGCGCGCTTTGG	8
wt-61200-61320	507	CCGGCCCTCAGGAGCCGCGATGCTCGACGCTGTGTCGCGGGGGCCCGCCACCCGCTGCCGTCCACTGCCTTCTCCCTGCTCGCGGGGAGTAGGGGGGGCTTACAGGGAGGGCC	8
wt-61320-61440	508	GGAGCCGGGGCGGGGCTGCCACAGCGGCTGTAGCGGACCCATAGCAGAGACCTGAGGAGTTCCGATGAAAGGTCGCCCGCCACTGCTCATACTCGGCCGCGGAGGGGGGACGATG	8
wt-61440-61560	509	AAGATGCGCAGAGGGTTACGGCGTCCAAAGGTCGCCCGCCGCCACCCACAGCCGTCGCGGGCGGGGGCGGGCGGGCGTGAAGGGGGCGCTGGTCCGCGGGGCTCGTCTGTCC	12
wt-61560-61680	510	ACGGCCTCGGCTCCGCCCGCAGGTAGGCCGCCGGGGCCACACGGGCGAAGCGGCTCGTGGGCTCGCGGTGGGACGAGTCGGAAGGAGCAGGGCAAGCCGATGACTCTCTAGG	8
wt-61680-61800	511	AGGGCGGGTGGCTCGAGCCACTCCACCGCAGCGGGACACCCGGGGCAGAGGCCAGCATCATGGCTAGTCCCGCCACGGTCTCGTTGAGCCGGCCGAGAGCAGAACCGTG	8
wt-61800-61920	512	GCCACCTGCTCGATGGCGGCTGGAGAGAAGGATGCCCGGCTCCCGGCCCTCCTGACACAGAGCGCCAGGGCCTCCATCTCTGCCCCATCCCGGCCAGGAAGGCTCGATGACCGAG	8
wt-62040-62160	514	GCGACGGGGGGCTTTGTCGCCCGCTGGCTCCGCGTACAGCCAGGATCTTACCGCCCGCCGGGGCAGGGGAGGAGCCACCAGCTGGAAGTACTCGGGGGGTGAAAG	8
wt-62160-62280	515	AGACCACCACCCTTCTTACCCTCTCCCGCGGGCCCGCCCGCCACTGTGCTCCACAGCTCCACGGCATGGCCTTGATGTCGCGGGCGTGGGCTGACCTGCCCTGCAGCCGCC	8
wt-62280-62400	516	CAGGGTAGCGGTTGGTCTCCGCGTATACGGTGACAGCCATCTCCACAGCTGTTTTGCGCGGTTAAAAGCGTAGAATGACAGCCCTCCCGGGGAAGGGCTCCACCGGGCCAGA	4
wt-62400-62520	517	TAAGTGTGGCCACCAGCTTCCACGAAGGCAAGGTTGGCGTTGGGCCAGAGCCCGGAGCACCTCCCGCTGCCCTTCCGATGATGCGCCGTTACGCGGGCCAGGGCCCGGGTCC	8
wt-62520-62640	518	TCTGCGATGAGCCGAGAGCCGTCACCGGATCGTGGTGGCCAGGAGGCTGTGCTGGGGGGCAGTAGGATGCCAGCAGTCCAGGCGGCTCCAGTGGCCGCGCTTCTGGGACTTCTGGGACCTTCTGACAGCC	8
wt-62640-62760	519	CTGAAAAGGAGGCGCCCGGAGTAGGTAGTAGGCGTGGTGGCGGAGGACCAGCCGGGTAAGCGTGGCGCTCATGAGGGTGAAGATTTAAAAATCGCGCACCAGCAGCCGGTGG	4
wt-62760-62880	520	GCCAAATCCCCAGTCCAAAGATCCCAAGCTCCAGAGGCATCAGCGCGCAGGGCGGCGAGCGGGTCTGCCAGACAGCAACTGACGCTCAGCGGGGAGCCCGGCTCCACC	8
wt-62880-63000	521	TCTGCCAGGGGTGGCTGGCGTCTGCCCTCCGCTACCAGCGCTGCTGTCACTCCATAGCGGACGCCATGAAGGTCAGGGGTCCTGATCGCCCGGCTGCAACGCCGAATCGCG	8
wt-63000-63120	522	GGGCTGCTCCCCCTCCGGCCCGGCTAAATATTTCCCGGGGTCGAAATTCACGCGGGAGCTGCTGGGCTGGTTGAGAAACGCGCAGGCGCTTCTCGTGTGCGGCGGCTC	8
wt-63120-63240	523	TGGCGCAGGGCTGCTGGCCCGGGGAGGTGGCGGTGGCGGGTGGCAGTGGAGGGGAGTGGCTGCTGGTGGGGGGCAGTAGGATGCCAGCAGTCCAGGCGGCTTCTGGGACTTCTGGGACCTTCTGACAGCC	8
wt-63240-63360	524	AGCTCCTTCAAACAAGCGGAGGCCACTGGAAGCCGCTTTTCCAATTAAGCAGAGTACCGCTTCTCGGGCTGACGCGGATTACTCCTCTCTCCCTGTTTATCCTAATGAATCAC	4
wt-63360-63480	525	GGCCGGGTTAGCCGCCGGGTCGAGGCAAGTGGGGGCTGACGCGGATGCCAACCTGCTGTACGACAGCCCGCAACCTGGCTGACCTGGTCCCGGACTTTGGGCGGCTGGTGGCC	8
wt-63480-63600	526	GACCGCCGCTCCACAACCTATCACCCCTGTGGGCCCCCTGGTGGAGAATAAAGAGCACCTATCTGAATAAATCACACGGTGGTCCACGGGCTGTGGTCAAGGCCATCCCT	4

wt-63600-63720	527	CGCAGCACCGTCAAGTGACGGTGCCTCCAGGAGCCCTTTGTGGATCTGGACGCGTGGCTCTCCGGCGGGCGGGGGTGGCGGTGGAGATGCTTCGTGGGGGGCTGGCCCTGCAGCCG	8
wt-63720-63840	528	TGCCCCCGCGATGCGCGCCTCTATGTGCTCTGACCTATAGGAAAGCCGGCCCGGTTTACGTTTTTCCAGTCGTCCCGGGCCACTGTCAGATCATGAATATCTTAAGAATTTATTAC	4
wt-63840-63960	529	TCACCATCCATCATGCACCGCTATGCTGTGGTCCAGCCCTACATATAGAGGAGCTAACCTTCGGGGCGTTCGCTGTCTGGGGACATTTAGTCTACTGACGGTTGGAGGAGTCTGCC	4
wt-63960-64080	530	TTCAAATTACCGTGGCTCTAGCCTCCCGTGGTGGAGATTGACAGCTTTTATTCCAACGCTCTGACTGGGAGGTGATCTCTAGACTTAACGGGAGGAAACAGGAGGAGGGGGACAA	4
wt-64080-64200	531	GAGCACAANAAGTGGTTCAGTGGACACCCACCACAGCATGGCAACGACCCATGCTGCGAGCATGAGCTCTCTCCAAATGATTGATGAGTTAAAGGTCAAGGCCAATCCAGACCCCG	4
wt-64200-64320	532	AGGCTGATGCTCGCCGGGCGCTGCTCCACCGCTTAAGGCCGAGTCAGTTACACACAGATCGGCAATCTGGAGGTTCTCTGACAAATCTACGATGAGGAATCTCCAGA	4
wt-64320-64440	533	TGCACCGGGATGAGCTGGAGACCCGAGTCTGTCTTTCCGGCAGAGCCCGGCTACGAGCCGATCGTCTCCAGGCTACCTGTCGGCCCTGCGCTACTATGACACCTATCTGTATGTGG	4
wt-64440-64560	534	GGCGCAGCGGAAGCAGGAGAGTGTGCAGCACTTTACATGCGGTAGCCGGCTTCTGTGCTCAACCACCTGCCTCTACGCGGGTCTCAGGCGAGCCCTGCAGCGGCCAGGCCGGAGA	8
wt-64560-64680	535	TTGAGAGTGACATGGAGGTGTTTATTACTACTTTGAGACCTAACCTCCAGACGGTGTGCTGCTCCAGCCCTTATGCGCTTTGCCGGGTGGAAAACCTCCACTCTGGCCAGCTGCA	4
wt-64680-64800	536	TCCTCACCACCCCGACCTCAGCTCCGAGTGGGACGTGACCCAGGCCCTATAGGCACCTGGGGCCTACCTCTTTCAGCGAGCCGGGTGGGTGTAGGGGTGACGGGGCTGGCCAGG	8
wt-64800-64920	537	ATGGAAACACATCAGCTCCTGATGAGGATGATCAACAGCCAGTGGAGTACCACAATATGGCTGCAAGAGCCGGTCAAGTGTGGCGGCTACATGGAGCCCTGGCACGCCAGATTT	4
wt-64920-65040	538	TCAAATTTTGGAAACGAAGCTCCGGAGAACACGAGAGGCGCCCGGCTTTTACGAGGCTCTTTGTCGCCGAGCTCTTCTTCAAGCTTTTAGGGACACGCCCTGGCTCGGACTGTT	4
wt-65040-65160	539	ACCTGTTTGACCCCAAGGACCCGGGACCTGGAGAGGCTCTACGGGGAGGAGTTTGGCGGAGTACTATCGGCTGGTGCAGCGGGCAAGTTTGTGGCGGGTCTCCATCAAGTCCC	4
wt-65160-65280	540	TGATGTTCTCTATCGTCAACTGGCCGTCAGGGCCGGCAGCCCTTTCATCCTTTGAAGGAGGCTGCAACGCCCACTTTGGCGGACCTGCAGGGCGAGGCCATGAACGCCGCAACC	4
wt-65280-65400	541	TGTGCGCCGAGTGTGTCAGCCCTCGAGGAAGTCTGTGGCCACTGCAATCTGGCCAACTCTGCCTCCCGGCTGCTGGTGAATGCGCTCTGGCGGTGCGGGCACAGCGGGCCGACA	8
wt-65400-65520	542	CGCAGGGGATGAACCTCTGCTGGCCCTCCCTCAGCTCTCAGTCAACCCTACCTGGAGAGGGGGCAGTCCGTGATGATTCTCGTAGCCCGCTCAGAGATGCCACCCAGTGTCCACCT	4
wt-65520-65640	543	TTGTGGTGGCCTGCTCCATTCTTCCAGGATCCCGCACTTATGATTCAGGGATATGGCTCCATGGCCCTCGGGGTGCAGGGCTGGCCGATGCTTTTCGGACCTGGGCTGGCAGTACA	4
wt-65640-65760	544	CTGACCCCTCCCTCTGCTCGTTAAACAAGGAAATATTGAAACATATGTACTTTACGGCCCTCTGCACCAGTAGTCTGATTGGACTTACACCAGGAAGATTTTCCGGGTTTCAAACAGA	4
wt-65760-65880	545	GCAAGTATGCCGGGGTGGTTTCACTGGCAGGATTGGCGAGAACAGACCTTCTATTTCCAGGAAATTTGGTCTCGCTCTGCAACGCAATTTGAGGGATGGGCTTTCAATTCAC	4
wt-65880-66000	546	AGTTTATCGCCCTGATGCCACCTCAGGCTGTGCCAGGTGACGGGCTGTCGGAGCCCTTACCCCTTCTATGCCAATGCGTCCACCAAGGTACCACAAAGGAGGAGGCCCTTAGGC	4
wt-66000-66120	547	CAAAACGGTCTTTTGGCGTCATGTGCTGTGGATGACAGGGAAGCTTTGAATCTTGTCCGGGGCCGTGCTCCTGCTCCCGGAGGCTCTGCGGCAGCGCTACCTGCGTTTCAAACGG	4
wt-66120-66240	548	CCTTTGATTACAACCAGGAGGACCTGATCAGATGTCCGGCAGAGCCCGCTTTGTGGCAGAGCAATCTCCAGCCTGTTTTGGTGAGGAAGATGCCGCGGGCCAGCAGCG	4
wt-66240-66360	549	TAGCCAACCTACTGGTGCAGCTACGAGCTGGCCCTGAAGACTATCATGTACTATTGTCGATTGAGAAAGCCCGCATGCGGGGTGATGGAGTGAAGGCCAGCGGGCTCTGTCCG	4
wt-66360-66480	550	TGCCCGGGAGGAACAAGATGAGCGGAGTCCCGCTGAGCAGATGCCGCTCGCCATGGAACCGGCGAGTTGCGGGGCGGTTGACATCATGAGCAAGGCCAGGGGAGGGACCAG	8
wt-66480-66600	551	GTGGGTGGTGTGCCCGGGGATTGGAAGTGTGCTATAAGTACCCTCAGCTCTTCTCAGAGGATGATCTGTTGGAGACTGACGGTTTTACTGAAAGGAGCCGTGAAATCTTGCACATAAA	4
wt-66600-66720	552	CGTTTATGGCATGTCCAAGTTGTTGACGTGCGTGTGATGACAGGGAAGCTTTGAATCTTGTCCGGGGCCGTGCTCCTGCTCCCGGAGGCTCTGCGGCAGCGCTACCTGCGTTTCAAACGG	4
wt-66720-66840	553	GGTGTCTAAGCTACTCAATGAGAGGACTTGGAGTTTACAAGTTCCTTTACGTTCTGGCCATGGCCGAGAAGCTTTGAACTTTAACAATTGATGAAGTGGTCAACAGCTCGAGA	4
wt-66840-66960	554	GCCACGACATTGATCACTACTACCCAGCAGAGCCATGGAGAACGTCACCGGGGACATTTAGCTAAACATTTTAAACATGCTCTTTGATGGGACAGGGCCGCGATGAACGCCATCG	4
wt-66960-67080	555	CAGAGGCCATCATGGCCGACGAGCCCTGCAAGCCAAGATTTCTGGCTCCGTGACAAGGTGGCGGCCCGCTCACCTGCCGAGAAGATTTGTGTTCTGCTGATTGAAGGCATCT	4
wt-67080-67200	556	TCTTCATTAGCTCCTTACAGCATAGCCCTGCTGCGGGTCCGGGGCCATATGCTGGCATCTGCCTGGCCAAATACATAAAGTGGGATGAGCTGCTCCACACCCGCGCTGCCTCCC	4
wt-67200-67320	557	TGTTATAAATAGCATGACAGCCAAGGCTGACCGACCAAGGGCCACCTGGATCCAGGAGCTGTTTCGCACTGCGGTGGAGGTAGAGACTGCCTTATCGAGGCTCGTGGAGGGGGTTA	4
wt-67320-67440	558	CCTTGGTGGATGTGCGAGCCATAAAGCAGTTTCTGGAGGCCACGGCCGATCGCATCTGGGTGACATTTGGTCAAGCTCCTTGTATGGCACACCACCCCAAGGACTGCCGCTCACCT	4
wt-67440-67560	559	ACATGACTAGCATCAAGCAAATAAATTTCTTTGAGCAAGAGAGTCCGATTACACCATGCTGGTGGTAGATGACCTTTGAGTCAAGGTTGGCTACTTGTCTCAGGTTTTGGGCATAAATTC	4
wt-67560-67680	560	TCCTGCCTGCCTCTGCTCTGGTACGTTGGCTTCTGCTGCTGTTGATCATGGAACCCTCAGACTCTCCGCTTTAAGACCAAGGCCCTAGCCGCTCTGCAAGTGTATGACCATG	4
wt-67680-67800	561	CCCAGACTCATCTCAAGGGAGGAGTGTGCAGGTAACCTTCTGTCTGTAACCTATGGAGGCCCGGGCTGGCCGCGGTGGCCAACGCAGGCAGGCCGGGCTAATCAGCTTCAGAGTCT	4
wt-67800-67920	562	CCCCTGACGCTGTGCCGAGTGGCAGAATCACCAGAGCCAGAGGAGCCCGGGCCGCGTGCATTTAGAAACCTTGCCTACGGGGCCACCTGTGCTCGGGCAAGGAGCTGTTTGGCT	4
wt-67920-68040	563	CGGCTGTGGAGCAGGCTTCCCTGCAATTTTACAAGCGGCCACAAGGGGTTCCCGGCTGAATTTGTTAAGTCACTATGGAATATGATGATAAGGTGTCCAAGAGCCACCACACCTGCG	4
wt-68040-68160	564	CCCTGATGCCCTATATGCCCCCGGCCAGCAGGCTGAGGAACGAGCAGATGATTGGCAGGTGCTGTTGATGCCAAGACGGCTTCTCGTTGCAGAAGTGGGCACGCCAGCAAGGCT	4
wt-68160-68280	565	CAGGCGCGTTAAGGTGACACTCAATCCGGATCTCAGTCCACCAGTATACTTCTGGGAGGCTGCTCACCCTAGACTACAAGCCTCTGAGTGTGGGCCATACGAGGCCCTCACTG	4
wt-68280-68400	566	GCCCTGTGGCAAAGGCTCAGGAGCTGGGGGCCGTTGAGGCCACGTTGTCTGCTGGTAGCAGCGGACTCGTGGCGGGCGGCTTAGCCTCTGCCGATTCGGCGGTTAGCTGGCCAA	8
wt-68400-68520	567	TCTTGAGGTTTTACAGGTCTGGCATCATAGCTGTGGTGGCCGGCTGCTGACGTCAGCGGGGACCTGCCGTTGGATCTTAGTGTATTTATTTAAACACGCTCCGAAGAGCGGGCCG	4
wt-68520-68640	568	CCAGTACGGCCTCTGAGCCAGAAGATAAAGTCCCGGGTGAACCACTGGGCACAGGACTCCAACAACGCCCCAGACATACGGTCAAGTCCATCTCTTCACTCCGCCACCTCTTAGGA	4
wt-68640-68760	569	CCCCTACTTGGAGAGTCCGGCAAGGCCAGAGACACCCTGCCTGCCATTCCAGCCACTCCAGCAACGCCACTGGAGAGGCTCTGGCTGTTTCAGCTCGCGAGAAAGGACATCGT	4
wt-68760-68880	570	CGGAGGCCAGGCAAGAAGCAAGCACCACAAGAAAGTGAAGCAGGCTTTAACCCCTCATTTAACACCATGTTCTCGTGAAGCAGCACCTGTCCCTGGGGCCGTTGTCTTCTGTCTC	4
wt-68880-69000	571	GGCTCCTGGCCAGCACCCCTTCAATTTGGTCTTTGTCTTTGCCAACCTGCTCTCTGAGATCTTCTACCGTGGCAGACACAGTGTACAGGCTGGATTCCGACGGCATGCTA	4
wt-69000-69120	572	ATGGCCGCTCTGAGACGCTGTACCCGCCAAGCAGCGGCTGAGGGCCGCTCACTCCAGCCATCATGCTGAATATGCCAGCGCTTGTCTTCTTCCCTCAGAGTCTACTCGACCAAG	4
wt-69120-69240	573	ACGTGGGTTTCTGCCCCCTGCTCTTTCTGGCCAACTGCCTCTTATGCTCTGTTGGCCGCTGGCCACTCGAGATGTTTACATCTGCCCGGCTATACACCAAGGTTCTTTGAAGT	4
wt-69240-69360	574	GGGTGCTCTGGCTGCACCATCTTTGCCCTGCTGGTCTCCAGGCCCTGGAGGTGCTGCTGCTTATGCTCCATTTTCCATTTTGGCTGTTGGCTGTGGCCCTGGCC	4
wt-69360-69480	575	GGTGTCTGCGCTAACAGATTACACTCCGGTCTCAGCGGAGCCAGCAGATTCTTCCGCGGGGAGATCATTGCTGGCATCTTCAAGTGGAGGACCCCTCCATAAATGCCCGTGGAT	4
wt-69480-69600	576	CTGCTGGCCATCTCTGCCTTACCCTTCTTGTCTGTGTGATGATTGTTGCATGTGCACGCAGAGGTGTTCTTTGGACTCTTAGATACTGCCCTCTTCTGTGGGGGATG	4
wt-69600-69720	577	GCCTCCGGGGGCTGACCTGGGCCATTCAGCATCATTGCATGTGCATGCCACCCTCTGCACCCTGACATCTGTTGGTATAATTTCTCCATGAAACCCTGGACCCCTGGGCAAG	4

wt-69720-69840	578	ACCGTGCTGTTTATCTCAATCTTTGTCTATTACTTTAGCGGGTAGCGGCCCTGAGCGCAGCTATGCGCTACAAGCTTAAAGATTGTGAACGGACCCTGGTCCATCCTCGTGTGGTA	4
wt-69840-69960	579	TACATGTGCTGTTTTGTCTTTACTTTTTGTGAATATCTGTTGGTGACATTCATTAATCCTAACGACCGGAGTCCCTGTCTTTGTGTTCTGGGGACTTGAGTTAGCTGCTTTCCCTC	4
wt-69960-70080	580	TTATTACATTGGGCTAACGGGAGGAAATGAACCCAGGGGTGGCAGTGGATGGGGTCAATTTATGGGCAAACTCACAGGACATGTTGGGGAGTTAGCATTGGCGTCGGGAAACACAGCTC	4
wt-70080-70200	581	TGGCAGTTATAACCGCACCACTAACAGGACATGTTGGGGGAGTTGGCATTGGCGTCAGGAGACACGGCTCTGTCAGTTATCACCGTACCATGAGTCCATGTGTGCCAGTGCCTAAT	4
wt-70200-70320	582	CACCGTTCCTCATTTTGTGTGCCTCCTCAAAATGTTCCAGAAGTCGGCCACAGGGGAGGTGGCTGAATTAGGGCCCTTTCCCTCATTCCCCCATGAGACCCACGTGGCAGCCCTAGGGCT	4
wt-70320-70440	583	ACATTGCGCTCCCACGTTTCCCTTCGCTGAGGCATCCGATGACTGAATTTTCGAGCTCTTTCCCTCTCCCTGTTATTCCCATAGAATTACAGTGAAGTTACACAGTGGAGGA	4
wt-70440-70560	584	TTCAAGTTAAACATTTAATGATTAACTCAGGAAACAAACAGATGACTGACCCAGTCCCGGAGAGAAATGGCCCTGACAAGTCGGCTGCATGATGCATTTCCGGCAGCTAGCTGTG	4
wt-70560-70680	585	TGAGTCTCCACGGCCTCTGTCAAAGGGAGCTTAGCGTGCCAGGGTGTAAATCTTGATGTAGTGGCCAGGAATCAACTTCATCGTGTCTCCGCTGCAGTTGGCGTTAATGTAGGCT	4
wt-70680-70800	586	GGGGCTACTGCCGCATATGCTGCCAAGAGACAGAGGGGCTGCTTCACATATGAGCTGCTCAGGGTCTCCACCACCTGTTTTGACGGGGCGTGGCAGAGGTGATGAGAAGATTGCTTC	4
wt-70800-70920	587	ACAAAGTTGTAGTCTCGCGTGTAGGAAGGAAGCAGGGTCCAGCTCTTTGAGCTTGGTCAGGATCACCTTGCTAAGACTCATGGCCAGGCCAGGAGGATGTTCCCGGGAGCTAGG	4
wt-70920-71040	588	GGCAGTCCCGTGGTAGGTGATCTCTGGAGCCAAAGATGGTCTTCTAGCATGCCACCAGGTGCAGAGCCCGCGTTCGATCGCTGCATCGTGCATCCAGCCATGTGTCC	4
wt-71040-71160	589	GATGCCGAGGTAGGGGTATGACCACGCTGGAGGGCCGTGCAGGATGCGCTGGGCCGAGTTGGATCTCATCTCCCTCCTCTGAGGATGAAATCTCCATCTGTGGAGTGTCTTCG	4
wt-71160-71280	590	TGTAGGAACGGGCTTGGATGGGCTTAGGGTCAGAGAGGCCAGGGGCTGGCAAGGTGACAATGTAATCTTGAGACAGGCTTAACCCAGACTCATGTCAAACCCAGGTTTGTTCGGC	4
wt-71280-71400	591	AGGGGCTCTGGCTGGTCTTGCCTCGCTGCTTCTTGTGCTCTGCCGGCCCTCGAGATTCGACCGGGACCTCTGGTGTCTGTGCTTCGGGGAGCTTGGAGACCTCGGT	4
wt-71400-71520	592	GCTCTAGGCACCTGGGGCCCTTGGGGCTCTGGGCCTTGTCTCCCGGGGCAAGTGTCCGGCTTCCATAACTTTCATCGGTGCAGCCATGGACCTCTCCGCTGCCTTTTGTGG	8
wt-71520-71640	593	CCTCTGGTGAAGAGGAGTTGCCAGTCTCCTCCTCTCGTCTCTCCCTGCACAGGGGTGAGCGATGCAATGTGACTGTCTTGTCTGTAGTCCCCTTCTTGGGAATCACAAAC	4
wt-71640-71760	594	GATGCCGAGGTAGGGGTATGACCACGCTGGAGGGCCGTGCAGGATGCGCTGGGCCGAGTTGGATCTCATCTCCCTCCTCTGAGGATGAAATCTCCATCTGTGGAGTGTCTTCG	4
wt-71760-71880	595	CTGCCCTCCATAGGGTCCAGATCGCAGTCTGTGTTGGTGTCTGAGACCCTTCAGTTCAGAAATGTGGCTCTGCAGAGGGGAGACAAAAGGTGGAGACTGCCTTGAACCTCTGTCT	4
wt-71880-72000	596	TCAGGCACCGGATGCCCGGCTCCACGGCCCGGCCACTGGCCGGTGTAGCTTCTTACCTGCGGGATCCTGTTGGAGGAAATGCTGCTAGTTCGGGAGAGTCTCTGAGAAGGAACCAT	4
wt-72000-72120	597	CTTGTCTGTCTCTACGACGGCTAGCTGGGATGTAGTGTCTTCTGACTGGCCTCAGCCCTATTTATGATTCTGGAGCCGGCCACGCTGATGGAGAAATGGGCGTCCGTTGATTGGCC	4
wt-72120-72240	598	CACAGCGACCGGCAAGCAGTACTGACTCATGAAGTGCAGCTGTAGGGCTGTGATGTGTAGTAGAGTACCAGAAACACCTCACATCTTGGAGCTGGCCCTGTGGGTATGCCTCAGGCACG	4
wt-72240-72360	599	CAAAAGTTCTGCCCGGGCATGGCAGACGTAAGTTTGGCCCGGTTTGTCTCAAACGTGACATGGAGAACTGGGGAAATTTGCTTCTGGCAGAACTGTTGCCAGGCTGCTCATGA	4
wt-72360-72480	600	GCGAGGGCCAGATGCAGGAGCTGACCCAGCGCAGAGATCCAGGCCAGATGTCCCTATCATGCGCAGACATTTCCACGTTGGGGGCAAGGTCTCGCGGGTCTCTGGATTAGAT	4
wt-72480-72600	601	AGTCACGCCCATCATCCCGATGTGGTAGCAGAAGTTTTGGGGCCGGCCAGCCACGTGCAGTGAAGTGTGATGTAAGAGTTTTGAATGTTGAGGGCATTCTAACATAGCTGTGCTTGT	4
wt-72600-72720	602	CTTCTCTCCGGATGACAGACAAAGAGGCGCAGCTGCCGGCTAAGACCACCGCCCTGTCCACCTTGTAGGATGTCGGCAGCCGGATGACCCGCCGGCGTATACACGCCGCTGTCAA	4
wt-72720-72840	603	AAAGCGGGGCCCAATCTCTTGTACTTGTGACGCATGCGGCGCAGGCAGGCCGTTAGGCCATGAGCTTCTGCAGCACAGACAAAACCTTGTACTGCGCTTGTCCACAATAGCAT	4
wt-72840-72960	604	GGCCTCTAGTAGGGGGTGTAGCAGCAAGCCAGTTTTCCGCTGCATATGCAAAAGGGGAGCACATCTCCATATTTCCGGGTGGCGGGTGGACAGCTGATTTGAAAAATAGA	4
wt-73080-73200	606	CCAGGTTCAAGACCAGGTTGACAGACCGGAAGCCGGGATTAAGATTTCTCCATGCTGTTAACTGAGAGTATCGCTTAAAGGTTCCCTGTTGAAGCACTGTGCTGGGCCAAATAGACGTAGCCCA	4
wt-73200-73320	607	TGGTGAACACGCTGTCTGGGAGCGCAGTTGGTGGGGTGGAGACGACCTCCGCCAGGTGGGATGAGAAGGGTGCAGCGGCTGTCATTACAAAGTGTGCTGTCTGCAAAATGGCAGA	4
wt-73320-73440	608	GGAAAGCCGATAGCCGCTGCACCTTCGAAGGACGGTGGTGGGAGAAATGTTCTTGGGATTCCACTGGCCCGGCGAGTGGCTGGCCGGCCAAAGCATAGAAACCTTGAAGCGTGG	4
wt-73440-73560	609	GGGGTATGTGGACCTCATCCGCTGCCAGCGCGGAGCTCCACCAGTCCCGGGCCACGTCACACTGAGCCCGGCCAGGCCCGCATGAGTCCGTCATCGGGTTCGGGGTCCACG	8
wt-73560-73680	610	TGTATGGGGCCGGGGCTCCATGCGGATTTTCAGCTGCTGGACACGCACATGCTCAGCCAGTAAAGTCTCCCGGTTAAGTGTGCGCATGTGCTCCGAAAGCCCTGTCCAGGAGCC	4
wt-73680-73800	611	AGGGGAGCACGACGCCCCGAAAGGCAGACACCAATTTCTCCATGCTGTTAACTGAGAGTATCGCTTAAAGGTTCCCTGTTGAAGCACTGTGCTGGGCCAAATAGACGTAGCCCA	4
wt-73800-73920	612	CGAGATCGGCCGAGGCGAGGGGAAGGCGCCCCCTGTAGGCTGTATCGTCTTCCACAGCGCGGATCTCTCGCAGTCCCGCCGAGTTTCTGCTGTGCAAAAGTGGGCAAAAGCCTCGG	8
wt-74040-74160	614	TCGTACAAGGAATGCCCAAAATAGTAAGCAGCCGTGACTAGCACGAACCTGGGCTCGTGGAGCCAAAGGTGCTAATGAACCACCTGGCCGAGATGTTAACGCGGTAGATCGGCGCA	4
wt-74160-74280	615	GACAGCCACGATCTTGGGACCGACCCACGCCACCGCGCCTCTGGCATCCCCCTGTGGCTGTTTCTTACGCGTCAAGTGTGAGCAGTTCCACGAGGGGCGTGAAGCAGCCAGGGCCCCG	8
wt-74280-74400	616	CGCGATCTAGGTAGGTGGATAGACGGTCCGGTGTAGCGGCTGAGCGCGTGGAGCCGCGAGGAAGGGGAAGCCCTCTCCGCGCAGGTGCAGCGTCAGAACAGGCCGAGCGGCTCTGTGAGG	8
wt-74400-74520	617	TCAGCCGCTTCTTGGCAGGTGAAGCTGCAGTTCCACGAGAGAACCCTCCACGCTGGTGGAGGGGCGAGCGTGTGGCACAACAAAACAGGCGGAAGCCCTGTCAGGCCGCGAGAGGA	4
wt-74520-74640	618	TGGCATCGAGGATGGCCTCCGCAATGTCAGTGTGTTGAGGCCACAAGGGCCTTGTGACGACGGGGCGGACATATTTAAGACCAGGAGGCCCAACGCGGGCTAAACAGAACGATGGC	4
wt-74640-74760	619	CTTCTATCTCCAGACTGGTGTGCTGCGGGCTCTGGCTCTTTGGCCGGCCAGGAATAGATACAGCCAGCTCCCTGAGGAGCCGGAGACTTTGAGTCCCGGACCGCTGGCGAGCCGA	4
wt-74760-74880	620	GATAGATCTGGCCCTGCCCTGTTGTGCGAGTGGAGATTTGCTAAGAAATGACGAGACGATGGGCTCACTGAGACAGGTTATTTGCTCGCTGTTCAAGCCAAATAGCATCAGGATCA	4
wt-74880-75000	621	CCTGAAGCGCTTTGACCGCTCCGCGTCCCTGAGAGCTGCTGGGTTGGTGGAGGCCAGGTGGCCAAAGCTTGGAGCCGTCGCTCAGTCACTGGAATACCATGATCTCTGTGGCTGT	4
wt-75000-75120	622	AAGCGCATCTGAGATGGACGAGAATGGGCTCAAGGCCCTGCTGGACAACAGGCTGGCGACAGCTGGCCCTGATGAGATGGAGAAGGTGGCCACGGCCCTCAAGATGGACGAGACCGG	4
wt-75120-75240	623	TGCCTGGGCGCAAGAGATCTCGGCCGTTGCTCATCGGTGACCGCCCCCTCAGCCTCGGCCCTTTTCATCAACTCCGCTTTGAGCCCGAGGTGCCACCCCGCTCTTGCACCGCCTCC	8
wt-75240-75360	624	CGTGGTCCGCGAGCCGAGCACTTGGGCCACGGAGCTCGCTTAACTGAGCAACAGACTCCACACCAATAAACATTTTATTGGTAAAACAAGGATATGAAGGTGTCATTGACCCG	4
wt-75480-75600	626	CAAGGACCCCGCGTCACTGTGGGGCTGTAGAAGGAGGTGAGGTGGTCTTGTGAAGGTAAACAAGCTGACAGAAAGCGCCGTTACTGTTAAGGAACACGGTCTGTCTACTAAAGTTGG	4
wt-75720-75840	628	CGGTGAGTGTCACTGAGACGGTCTGATGGGGGAAGGGCCAGGCTTTGGCAAAGAGACGTCAGGCCACGTCGCCGGGTTACTGGGGTGGGTTGATGGGACCTTGTCCCTCTCCA	4
wt-75840-75960	629	TCTGGGGTGGCATATCTGAAGCGACCGAGTGGATTTGAGCTCCGATGGACAGCTGGAGTGTAGCCCTGATTTGAGGATGAGGAGGTGGCCACGGCCCTCAAGATGGACGAGACCGG	4
wt-75960-76080	630	CGATGATGCCAACATGAGACGTGACCGGACGGGAGGTGCTGCCACAGCATGAGCCATGACCCCTGGGTGGCGGGCATAGAGCCATAGTCCAGTGTGGTCTTATCGGGCGCA	4
wt-76080-76200	631	GCAGGATGGTGGTCTTGTGACCAAGGTGAGCCGCCCTACACTAGCCTGCTGGAGCAACAGCTTGTCTTCTGGAAGGCGTAGCGTATGTGTGACAGGCCCTCCATGGTGTGATCTAAC	4
wt-76200-76320	632	AGACAGGGACGGCGCCGCTATATATAAGAGCCCAAGACCCGGCTCTTTACTGCGAAATGGGAAGGCTCTAAGAAAGCCGTTTGAAGGCTGTGCCACTGCTCTCTCGCCGCCAC	4

wt-76320-76440	633	CTGGCTTCGACCGGGGTGCTGCCGGCCGGCGCTCCAGTCCCACAACCGGGGGGGCGCTTCCCTGACTGAAGCCACAGGACCAGTTCTACTCCTACACATGTAATGCGGACACATTCTC	4
wt-76440-76560	634	GCCCTCTTTGACCAAGCTTTGCCTCCATCTGGGCACTTCTGACGCTTGTCTTAGTCAATATAGCCTCAGCCATCTACCTGATGTACGTCTGCTTTAAACAAGTTTGTGAACACGCTGCTGAC	4
wt-76560-76680	635	GGATTAGATGGGATATTTAAAGGGGAGCAATCTCGGCTGTTTGTACTTCTCTCTGCTGTTAAACCAATAGCATGTCAGCTCCACGCAAAGTCAGATTGCCTTCTGTTAAGGCTGT	4
wt-76680-76800	636	TGACATGAGCATGGAAGACATGGCCGCCCGCTGGCTCGCTGGAGTCTGAGAATAAGGCTCTGAAGCAACAGGTCCTCAGAGGGGGTGCCTGTGCCTCGTCTACCTCTGTTCTCTGCTC	4
wt-76800-76920	637	TCCAGTGCCTCCGCTGAGCCGCTTACAGCTCGACAGCGAGAGGTAATGATTACGACAGCCACGGGGCGTGGTGGCTCTCAGGCTATGAAGAAGTTGAAGACAAGTTCCGAAATCTGT	4
wt-76920-77040	638	TGACGGTGAATACCCGCAATGAAATGGAAAATATTTGCAAAATCTGACCTCCGCACTCAAGTATCTATGTTGGTGCAAAAAGCCAAACCCAGCTGGTGAAGGACACGACCCG	4
wt-77040-77160	639	AGAATCAACAGCACCACCCAGCCGACCTGCCCGCTCCCGCTCCCGGGGAGCAAGCAAAAGTCAAAATTTCTGATTAATAAAATTTTTATTGATTTATACATAGGCTAGGCTCCGGCG	4
wt-77160-77280	640	TCATCATATGGTGGGGTGGTGTAGGTATGGGATGTAGACAAGTTACGCTAAAGGGCGAGTCCGCCATGACCAGCAGCAGCAGAAGGGTCAGCACAGCCAGAGAGGCCACTGCACTACT	4
wt-77280-77400	641	AGCATGGAGAGGTTGAGAATCTGGGCTGGGACGTTGGCGGGACTGGCACGGTGGCTTGGGCTGTGGTAACCGGTGGGCTCGTAAAGTCCAGCGGGGCCGAGTTGTGTAGAAGTGTCTG	4
wt-77400-77520	642	GGAGGTAGATAGTGGTCCGATTGTATCTCGGCTTGGCGTAGTTGAATACCCGCCAATCTGTGGTGGGCTGTACTTGTCCGGGCTCCATGTCCTGTGGTGTCTTCCACCGGTG	4
wt-77520-77640	643	GTAGAATTGCCCTTCCACCTGTTGAGGTGACCGTGGAAACCGCGCTTTTGGCCACTGGGGGCTGGGGCAGCTTGCATTTGGGGGGCGTGCCTTGGTGACATTAACCTCCCC	4
wt-77640-77760	644	GGTTTTGGATGTGAACTGTTCCAGGGCTGACGCTTGGCTGGTGGGCTGGCGGGGCTGGCGAACTGGTGGACACATGATGTGTCTGATAGAGGCTGGTGTCCCTGTGTT	4
wt-77760-77880	645	ATATTTTACCACCTGTTGGGTGAGCGGAGGTTAGTAAAGGCATATGTGACGTTGAATTGTACTGGTGGAGGGGCTGAGTGTCTGGGTTTGAAGTGGGCTCAGTGACATGGAAGAG	4
wt-77880-78000	646	GTTGAACCTGAAGTTATGTTATGTTGGCCTGTGGTAAACAGCACTGGTGCATTTTGGGTTGGCTGGTAACACTACTGGGGTGGGACTTGTCTCTAAGGTGTGGTGGTGGCATTGTCC	4
wt-78000-78120	647	TGTGGACTGTTTCTCCACAGTAGGGCCGGTGGCATTGGGGTGGGGTAGTCACTGCTGAGGTGGGGCTGTTTTTCCCAAGGTGGGGCTGGTGGCATTGGGGTGGGGTAGTCACT	4
wt-78120-78240	648	GCTGAGGTGGGGCTGTTTTTCCCAAGGTGGGGCTGGTGGCATTGGGGTGGGGTAGTCACTGCTGAGGTAGGACTGTTTTTCCCAAGGTGGGGCTGGTGGCATTGGGGTGGGGTA	4
wt-78240-78360	650	TTACTTTCTGTGCCGTTGTCCCATGGAGATGGACTTGGTGTACCCGGTGTGCGCTGACGTTGGCCGGCTGGTGTGGGCTGGTGTGCTGATAGAGGCTGGTGTCCCTGTGTT	4
wt-78360-78480	651	GCAGGTGCCGTGAGGTTGGTAGGCAGTGTAGTAGCTGGTAGACCTGTCTGTTGATTGGGATCAGCAAATCCAGTTGATTCAAGGTAGGGGAGGTTGGTGTCTCGGGTGCCTTG	4
wt-78480-78600	652	GAGAAATAACCTTGTGGGTTGTTGGTGGCATTGGTAGCCGTCGTGTGATAAATGAGTGTCTGGGGGCGTCCCAAGACCCGAGACAGTAATGTCAAATGTCCGATTGCTCGCAAT	4
wt-78600-78720	653	GCACCAGAAATATTTTCCAAACCCGAAAGGTGCCCGGAGTGTGAGAGTCCATTTGCATCTAAAGTCAAGTTTCAAGTGTGTTGGCCAGGCCCCAAAAGGCAGTCACTGTAAACATTTGGCGAG	4
wt-78720-78840	654	TTTGGCTCCTCAGAAGTGACCATGGCACTGAATAGGTAGCATTGTCACCCACATATGTGATGTCTGGTGTGTTGTCGGCATGTCTGTGAAGTGGAAATCTCATCAGAGAACAATG	4
wt-78840-78960	655	TGGACTGAATGCAGTAATCTCCCGCTCCGCTCCGTTCCAGAGTAAACAGCACTGTTATTTGCCAAGAAATGTCAGACTGGAGTGGTGTGATGCAATTTGTTGCTCCGGG	4
wt-79080-79200	656	TATGCATACCCTGTACCAGTATTGGGGTGGCCACGGGACTCGTTGATGTGAGAATCCGCGGCTGGGAACATGGCTCTCGTATCCACTGCAGGTGATGTTAAATTTTGTCTCCGGG	4
wt-79200-79320	657	AGAACTGTGAAATTTCCGCATCTCCATAATACACTCAATATCTATCTCATTACCAGCATTTCTGTTTTACGCTGAAATTCGAGTCTTGTGAGTGTGCAAACTTAAGGGTAGC	4
wt-79320-79440	658	GTGACATCCAGCCCTGTGCCCTACTACTGCCGTTATATTTGGTAGAATACAGTTATCCCACTTATGTATGGCACTGTTTCTGGTATCAGGTACACGGGGTTTTGCATTTCTGCATGG	4
wt-79440-79560	659	TGGCACCACATGGTTCCAAACACATCTTGAAGTAGACATCTACAGATTCAGGCTTACTTGTGCTCCTCCGGTGGTGACGTTAATTGGAAGCTTCTTAGACCAGTATAGTAGGCC	4
wt-79560-79680	660	AATTCCTCGACCAAGGAGCTCCAGTAGAAGAGATTGGTGCCATTTCTGAGCCACAAATGCACCTCGAGTTGGTAGACAGCCTTCGATGGGGTGCAGCTGGCCAAAGTCAAGA	4
wt-79680-79800	661	TCAAGTTGATGCTTTTTGCCCGCCAGCATCGAAATGTAGTATGATGTTTACCATCACACAACAAGGTAAGTAAATTTGTTGCCGTTGGTTTTCAGCGCATCGACACAGCAAGCA	4
wt-79800-79920	662	TCTTACCCTGTGAGTGGATCAGGCTCTGGATGGTGTACTGACACACAAGCAAGGCTGCCTCATTGTCTCGCCACCGATTTCTAGGCAGCATCCTTTAATAGGTACAAGGGGGTGC	4
wt-79920-80040	663	GGTGTGGTGTGAGTCACTTTTGTGTGACAGAAAATGGACAAGGACAGCCGGGTTCCCGCCGCTGGATGACAACATGGAAGAAGTCCCATCTACCTCGTTGTGCAGGAACAGGT	4
wt-80040-80160	664	ATCGCGGGGAGATTGGGAAAATGTCTCATAGAGTTATCAGATAGCAGCTCAGAAAAGGAAGCAGAAGATGCCACCTGGAGCCGGCCAGAAAGGTACGAAGAGAAAGCGGGTGCATCA	4
wt-80160-80280	665	TGATGCCGGTGGTGTGAGTCCAGCAGCAGCCATGCTCCACCCAGCCGATCTCCTGGGCGAGAAGCCATTCGCGAGGTTTCCACTAGATCTAAGAACACTTCTTAAGCGATTGG	4
wt-80280-80400	666	AGCCCGGCTACGGTGTGAGCATCCATGGCCTAAGTGTGTGATGTTTACCATCACACAACAAGGTAAGTAAATTTGTTGCCGTTGGTTTTCAGCGCATCGACACAGCAAGCA	4
wt-80400-80520	667	TAGACCAGTTTTTCCGATCCAGATTTCAAATACCAGATGTACATAATGTATGCCATGGCCATTCGACAGGCCATTAGAGATCGTGGGAGAAATCCAGCTTCTCGTAGAGATCAGGCCA	4
wt-80520-80640	668	AATGGAGACTGCAAAACCTGGCCGGCGGATGGCCTATGGGTTACCAGGCATACAGCAGCTGGATGTACAGCTACACCGATCACAGCAGACTCCACATTCGTACATCTCCAGGGGACAC	4
wt-80640-80760	669	TTGGGTGCACAGGTGGCCGTAGGTGTACAGTACCTTTTCCGCCGGCACCTTAAAGCTGCCCGATGTACCCCGGGGATGCCAGTGGTGTATGTTAGAGCTCCGTGGGTAACATTG	4
wt-80760-80880	670	TACAGAGCTGTAATCCCGCTACAGTATTTCTTGTACTATAGGCTATACACAGGAGCCTCACGAAAATCTGGGAGGAAGTTTAAACCTGACCAGCGTGTTCATTTATGGAATTC	4
wt-80880-81000	671	TAGGATTTTTGCAGAGAACGGATTTGCTTATACAAGAGCTTGTGACGATGCCCTGGGCACCACTAGTATCCAAACACCGTGGATCGATGACAATCTTAGCACGGAGACGGCACAGG	4
wt-81000-81120	672	CTTGAATGCCGGCTTCTCCGGGGTGTGCGTATGGGATAGACTTGTCTAGAAGTGAAGGGAAACATGTGCAAGGTGCTACCGGTGAAACCGGAGAAGAAAGTGAAGACACGGAGAGCG	4
wt-81120-81240	673	ATGGAGATGATGAAGATCTTCTTGTATAGTGTCCAGAGTGGACCTAAGGTCAAACGACCCCTATATTTAAGAGCTGTGCACAGGTTGCTGCTGATGAGAGCGGGCAAACGACAG	4
wt-81240-81360	674	AACAGGGCAAGGAGTACTGAAAAGGGCCGTTGGGAGCACTTATGGCACACCTTAGGCCGCTGTTCCGAAACCAAGACCAGAGTCCACAAAGCGACGAGACAGCTACCAGTACGGGT	4
wt-81360-81480	675	CGGCGAAGTCCAGAACCCCAACCTTACCTAGCAGCTCAGGAAATGGCATCCCATATCATGAACAACAGGCATGGCCCGTGTCCGGTAGCACAGGGCCCACTACGCCCTTGC	4
wt-81480-81600	677	CTGCGGGGACGGCTTTGACCCGTTAGACCACAACACATGCCAGTAGAACCCGCTCTGTCCCGACAGTGGCATTGAGCGACAGTTTACCCCAAGCCAGTTGCTCCGGCACCTCCTA	4
wt-81600-81720	678	AGATTGCTATGACAGGGCCCGGGAAACTTCTGGCATTAGACGCGCGGGAGCGTTGGAGGCCGACCTTGGACGCCAAATCCACCCGTTCTCCAGTCAGATGTCCTGCGTGACC	4
wt-81720-81840	679	GTCTGGCTGTTTGGTGTGAGGCACAGGTCAAACAGGCTAGTGTGAGGTGACGCCCCCAGTTGACCCAAGTATCCCTCAGCAACCAATGGAGGGCCGTTGGTACCAGAGCAGC	4
wt-81840-81960	680	AGATGTTCCCTGTTGCCCTTTAGCCAGGTTGCTGATGTGGTCCGGGCACCTGGGGTACCAGGCGATGCAAGCCAGTACTTTGACCTCCCTTAAATCAACCCATTAGCCAGGGGGCAC	4
wt-81960-82080	681	CCGTGACCCCGTTGAGGGCTAGTATGGCCCGGTACTCCGGTACCAGGCAACACAGCAGCATGTTTGCATCCCTTAACTGAACCCATTAACCAAGGGGCATCCCGGCCATTTTC	4
wt-82080-82200	682	TCCCTGACCAACCGATGGAGGGCCGTTGGTACTGAGCAGTGGATTTCCAGCTTCCAGCTTCCCGCTGAGCCGCTGAGCCAGTGTAGGCCAGGGGTAGCCAGTCAACAATTTTACCTCCCTTAA	4
wt-82200-82320	683	CTCAACCCATTAACCATGGGGCACCCGACCCATTTCTCCTCATCAGCCCAATGAGGGCCGTTGGTACCAGCAGTGGATTTCCAAGTGCCTCCCTAGCCAAAGGCAGTACG	4
wt-82320-82440	684	TGGTCCAACATCAGCTGGATGCTTTGGGTATACACTCCATGGTCTTAACCATCCCGGGGTTCCCGTGTCTCTGCCGTTAACCAATATCATCTCAGCCAGGCTGCCTTTGGGTTACCTA	4
wt-82440-82560	685	TTGATGAGGATGAGAGTGGCGAGGGTCCGATACCTCCGAGCCGTGGAAGCTTGTATTTGTAATCCATGGCAGGCCCTGCCCTCAGGCCCGGAGTGGCCTGTTCAAGAGGAGGGTG	4



wt-82680-82800	686	GCCAGGATGCCACCGAGGTTCTTGATTGTCAATCCATGGCAGGCCCGCCCTCGGACCCCGAGTGGCCTGTTCAGGGGAAGGTGGCCAAAATGTCACAGGCCCTGAAACTAGAAGGG	4
wt-82800-82920	687	TGGTGGTGTCACTGTTGTTCCATGTGTCAAGATGACGAGTTTTCCGGATCTACAAGATCCTCCAGATAGGCCCTAAGCAAAGGTGTAGAAGTGTGCCCTCCATTCCACCCACTGAT	4
wt-82920-83040	688	AATACGCCCGACAATAAAGTTGATGATATTGAATCCACACCTGCTTTGTTGTGATTTATTTTCATATCCATGAGAGAGACCTCGCATATTTGCAGAAGGGTCACTGAAACATCTTA	4
wt-83040-83160	689	TCTTAAAAACAGTTACACCTGAATAATGAAGAAAGCGTGCTCAGCAGGACACAGCAAGCCGATGCCGGGGGGGCATCTGGCTCCGAGGCCACCAGATTATGGAGATCAAGGTAATGTG	4
wt-83160-83280	690	ACACAGGTGGGATCTGAGCCTATTCACCTGAGATTGGCCCTTTGAACTCTCTCGGCCAGTGAGGATGATCCTCAATCTGGGCCAGTGGAAAGAGAATTAGATGCCGCTGCAAGAGAG	4
wt-83280-83400	691	GAAGAGGAACCTCATGAGCAGGACCAATGGTGGTGACGATCTTGGATGCTCATACCTCGCCAGTATTTGGTGTGAACCCACGCAGCTCCAGTGATCCAATGATGCCAC	4
wt-83400-83520	692	GCTGTCTATGATCCATGTTGGTGAAGAGGACCTAGAACATTTCCAGATGTTTCGTTGGATTTTTTGGCCAGCTTAATTGATTGTCAATGGTTTTCCAGCAATCGGACCTCCGGCCCTA	4
wt-83520-83640	693	GGCAGTTTATTCCTTGAGCAAAAACCTGAACATCGAAGAATTTATATGGATGTGCATGACCCTGCGTCACAGATGTCAGGCCATCAGAAAAAACCAATACCAATTTGTAAGCAGAGGCGT	4
wt-83640-83760	694	TGGAAGCTCCTGTCATCTTGCAGATCCTGGCGTATGGGTTACCCGACGCATAAECTCAAAGTAAACAGTTTTGAGTCAGGGGGGGACAATGCCACCCGGTCTTGTGACTGCTACGCTA	4
wt-83760-83880	695	GGATGTGATGAGGGCAGCGGCATGCAACAACGTACAGTGTGGCATTGTACAGATACCACGAATATCAGACCAAAAACAAAAGATCGAAACAGCTTCTGATGGCACGTCGTGCTAGG	4
wt-83880-84000	696	TCACTTTCGGCAGAAAGATATACTTTGTTCTTTGATTTAGTATCTCCGAAAACACCTGTATGCTATATGGATTGGCTGGGCACGAAAAACCGAGTTTCATTTATTGAGTTTGTAGGA	4
wt-84000-84120	697	TGGTTATGCAAGAAGGACCAACACTATATACGCCGAATGTTCCGCGAGTGCACCCGGAGACCCAAAGCAGCCAAGCCATGTTAAGAGCGCATCGTGTCCGCAATTCCTTATGATGCCG	4
wt-84120-84240	698	TTAACAAACGAGGAGATTGATCTGCCATGCCCCGCGGCGAGCCATGAATATTGAGGCTCCTAGACTGCCAGATGATCCTATAAATGTTGAGGATGACGACGAAAGTGAGGAAATTTGAA	4
wt-84240-84360	699	GCTGAAAGCGCAGGAGGAGAAGACAAGAGTGAATGGAATCTCTTAAAAATATACCGCAAACTGCCGTACAATCCAACAGTATACGGCAGGCCCGCGGTGTTGACCGAAAAGTCAGAT	4
wt-84360-84480	700	GCAAAATCAACAAAAAATGACGGGCCATAGTAACTGACTTTAGTGAATCAAGGCCATTGAAGAGGAACACAGAAGAAGAGGACGCGAGAACAGAGCAGCCAAGGCCACGCTGAA	4
wt-84480-84600	701	TCCAGGCCCCACAGTGGTCTCCAGCGACCACCCACGACGCAAGAGCCTGGCCCGTGGCCCACTGAGTGTCCAGGCTCGGCTGGAGCCATGGCAACCTTTGCCTGGGCCCAAGTG	8
wt-84600-84720	702	ACAGCAGTTTACTTTCAGGAAGATCCATGCAGGGTGTCCAAGTACATGGTTCGATGCTAGACCTTCTTAAAAAAGACGATGAAGTCATGGAGCAGAGGGTTATGGCAACCTACTGCCA	4
wt-84720-84840	703	CCAGTACCACAACAGCCCGGGCTGGCAGAAGAGGCCCTTGTGTTCTTACCAGTGACCTAGGCATAGAGAGTGTAGGCCCGCTTCGACAGAGCCGGTTTATGATCAGCTACTGCCTGCC	4
wt-84840-84960	704	CCAGGACCTGACCCTCTTGAATCCAACACTAACGTCACCCACACGCTCAACTTAGCAGTTCGGCACCAGCTCGCACAACTCCATGGCCGGTGGTTCAGCCAAGTCAGACTCCA	4
wt-84960-85080	705	GATGACCAACGAAACAGTCCCGGCCACCGGAAACAGCTGCCCCACGCCAGTGCCCAATGCCCTGCGACCTATCCCTATGCGCCCTTGCAGGATGACGCAATCCCATTTAATCATCCA	4
wt-85080-85200	706	GTGGGACCCACTCCCCATCAGACCCCTCAAGTGGAAATAACCCATATAAGCCCACTTGGGCTCAGATAGGGCCACATTCATATCAGCTACACCAACGGGCTCCTGCTACCATGCTGTTG	4
wt-85200-85320	707	CGCCAGTGGGCACCCGCCACCTCAGACACCACCGAGAGGCCACCTCCCATGACCACTGAGGTGCCACCCGTTCCCGGGCAGAGCCCTCGGGGGGGCCCACTCCACGCCACCT	8
wt-85320-85440	708	CCTCAGTGGCCCGCTTCCCCGGCAGAGCCCTCGGGGGGGCCCACTCCACGCCACCTCCTCAGGTGCTGCCACTCCCATGCACTGGCACTAAGGGCTCCTGCTGTCAGCAGGGG	8
wt-85440-85560	709	CCGACAAAGCAAAATTTGCGCAATTTTAAACGGGGGGCGTCAAGAAAGGGAGACCATCACTTAAAGTTACAGGCCCGCTTGGAGCTCAAGCCGCTCGGGCTGGCAGCTTCCACAGGG	4
wt-85560-85680	710	TCCGGCACCAGTGACAAGATTGTGCAGGCGCTATTTTACCACCCGTTTTGACGCCATACAGGTTATGGGGCAAGGGGGTCCCAACGGCCATGGCCGCTCAGCGGTGACACAG	4
wt-85680-85800	711	GCACCCCGGAATATACCAGGGAAAGGAGGGGAGTGGGGCCTATGCCTCCACCGATATCCCGCTTAAACGAGCGAAGATCGAGGCCATACAGAGCCGAGATGCCGCACGGGGG	4
wt-85800-85920	712	GCTCCGCACTTCCCGTGTATCTTGGAGAATGTCCGCCAGGGCAACAGCAGACTCTGGAGTGGGAGAACTGCTAAACAGGAAAGGACATGTTGGGCTGGGGACATTTGAGATT	4
wt-85920-86040	713	TCTTCCCTTCTCTCGAAACATCGAACGATGAGTATTTCGGCCATGTAACAAAGAACTGGGATGAACCCCTGGGGCAACAGACTGCGGGGAGGAGGGGGCAAGTGATAAGTCATGACA	4
wt-86040-86160	714	ATTTTATGATGAGGTAGAAATTTTGCATATTTTCCAGCCACCATGGAATCATTGAAGGACAGGGGACTCTAGACAGTCAACCCGACAATGAGCGGGGAGATAATGTACAGACTACCGGC	4
wt-86160-86280	715	GAGCATGATCAGGACCTGGGGCGGGGCTCCATCCAGTGGGGCTTCTGAGAGATTGGTACCAGAAGAGTCATACTCAAGAGATCAGCAACCTTGGGGGCAAGCAGGGGTGATGAAAAC	4
wt-86280-86400	716	AGAGGCTGGATGACGCGCATCAGGCGAAGCGGAGAAAGACGGGCTGCCCTTTCGGCCATCTTTAGACACGGAAGACAATGTGCCGCCATGGTTCCTCCACACGACATCACACCATAT	4
wt-86400-86520	717	ACCGCAAGGAATATCAGGGATGCTGCCTGCCGGGCTGTCAAGGTGAGTATGCCTTAAGTGGTTCATGGGGCCATCTAAGGCCACGTTGACCCATGTTTCCATTAATTTAGCAAT	4
wt-86520-86640	718	CGCACTGCAAGCGCTATCAAACCTGATCTCAGATAGTGGTTAGACACACAACACATCTTGCTTCTGATGGCAGCCAGGCAGCTTTCAGGACATTCCAGTGACCTTGGTTG	4
wt-86640-86760	719	CGGAGGGCGGTGGGTTGGCGACATTGGCTTCTAACATCTCCAGCCAACTCTGGCCATGGGATATCGTACAGCAACTACGCACATTAACCTCCGTCCTAACAGGGTTGGGGCTG	4
wt-86760-86880	720	ACAGCATCATGTTAACTGCCACATTTGGATGCCAAAATGGGCACGAACTTAAACACCTTCTGTCACCCTGTGGACACCACCCATGCTGGACCAAGAGAGCAAGAAGATACGCTC	4
wt-86880-87000	721	GGGAAGCCGAGGTACGCTTCTTCTGTTAAATGGCAGAGCGGTACCGAAGAATCTATGATTTGATAGAAGTGTGGCTCTGCAACCATCTGGCAAACTGCTCCAGACCGAGG	4
wt-87000-87120	722	AGAACCTTTGATTTCTGTCGTTTCATGGTGTGATGCCAGTGCATAATCCAGCTGTGAATTAAGTGGTTTCAAGACAATCGGAACTTTAAGCCATATACCCTGGAATGCAC	4
wt-87120-87240	723	CACCTAATGAAAAATCCATATCACGCGCGGAGAGGCATAAAAGAACACGTAATCCAGAAGCAATTCGAAAGGCAACAATACAGGGTTTATCAATGTTAGCAACGGGAGGTGAACCCAGAG	4
wt-87240-87360	724	GTGATGCTACTAGTGAACGAGCAGTATGAGGACACCGGTAGACAGGGTTCGGACGTGGAGCTAGAGTCTCGGACGATGAGTGCATATATCGATCCCAATATGGAGCCGGTTTCAGC	4
wt-87360-87480	725	AGAGGCCCGTCATGTTTGTGAGCCGTGTGCTGCAAAGAAACCGAGGAACTGCCCTTGGCCACGCCCCAAGCAGCACCAGTGAAGCGCACAAATGTTAAGACTCTGATAGATCTGATA	4
wt-87480-87600	726	AGGCAAGACACAAAGCACCCCTGAAAGGCCGGGCCCTTCCGAACAATCATAGTACCGTGGAGCCCGCCACCCGACCCGGTGGAGATGCCAATGGTATTCTCCATCAACCACTC	4
wt-87600-87720	727	CAGTGCCAAACCGGTTCCAGTCAAGCCTACGCCACCGCCTTCCCGTAGGAGAAGGGGAGCGTGTGTGTGACGACGATGATGTCATAGAGGTGATTGATGTTGAAACCACCGAAGATT	4
wt-87720-87840	728	CATCGTCAGTGTACAGCCAAATAGCCACATCGGAACATCAAGACGGCTTTCAACGTTACAGCCGACGTCAAAAACGAGCCGCGCTCCACCGCTGATGCTTCCGATACTGGCCCTC	4
wt-87840-87960	729	CTGCCGTGGGCTCCTGCCGCGGGCCCTCCTGCCGCGGGCCCTCCTGCCGCGGGCCCTCCTGCCGCGGGCCCTCCTGCCGCGGGCCCTCCTGCCGCGGGCCCTCGCATACTGGCGCCTC	12
wt-87960-88080	730	TTCCGCTGGGCTCCTGCCGCGGGCCCTCACATAGTACGCTCCTTCCGCCGGCTCGTATAATGGCGCTCCCGTCTGACGTATGTTTATGAGGAGCGACAGCTCCCCAGTCCA	4
wt-88080-88200	731	CGGGCCGTAACCTCAGTGTCTTGGGAAATGCGGGCTGGTGTGAAATACACAATGCAACAAGAACCAAGTTACACCTGCAAGTCCCGCACTCAGCCTACACGCTCAGCCATCAT	4
wt-88200-88320	732	GGGCCCATCAGTCTGCGCCCTCTCGGTGATGATGCTGGTAAGGCCACGCCATGAAAGTTTCACTATGAGTTCCATGTCGCCACACAGCCGATGCGCACGAAGAACAACCCCGGT	4
wt-88320-88440	733	ATGAGGATCCTGACGCTCCTGGAATTTAAGTTTACATCCAGATTTGCTGCTCAACAGCTCCCAAGGCTCCATACCAGGATACCAGGAGCCGAGCCGATCCCGCCAGGCTCCATACCAGG	4
wt-88440-88560	734	GATACCAGAGCCGCGCCCGCCAGGCTCCATACCAGGATACCAGGAGCCGCGGCCACCGGCTCAATCATCTTCATATCCAGGATATCGGGTCCCTGGACCCCAAGCTTCAAC	4
wt-88560-88680	735	ATCCATGTTATAGGCACCCCTGGGCACCATGGTCTCAAGATCCTGTGCATGGGCACACCCAGGGTCCATGGATCCAGGGCACCACATCTCCACCTCAGTGGGATGGATCTGCAGGAC	4
wt-88680-88800	736	ATGGCCAGGATCAGGTCTCCAGTTCACATCTGCAATCGGAGACAGGCCACCCACGCTTCAACTTTCATTGGTCCACTGGTCTCATCTCTGCACCATCATGGTCTATCCCCAGC	4

wt-88800-88920	737	CCCGAGCCCCATAGGCCCATCCAACAAGATTCCCCCTCCCCTATGCGGTACAAGATAGCATGGCCGTGGGGTGTGACTCATCAGGTACAGCATGCCAAGCATGCCCTTTGCCA	4
wt-88920-89040	738	GTGATTACAGTCAAGGTGCATTTACCCCACTGGACATTAATGCCACCACGCCAAAAAGGCTCGAGTAGAAGAAAGTTCTCACGGACCTGCCCGGTGTCCCAAGCTACTGCTGAAGCAC	4
wt-89040-89160	739	AGGAGATTCTCAGTGACAATTCTGAGATCTCCGTGTTCCCAAAGGACGCGAAGCAGACTGACTACGATGCATCCACTGAAAGTGAGCTAGATTAAGGGGATCCAAGGTGACCCCTGTAG	4
wt-89160-89280	740	CTATTTGATCTTTGACTGACACATAAACATGGTTTAAAGGAATGAACACTCATGTGTGAGACTGGAAGTACTAAATTTGCTGACATATGTACAATGAGAGCCAAAAATTTGATAAAC	4
wt-89280-89400	741	TTAAAAGTCCCCCATCTAATGATGTCCAGTTCCCTTCTCCACCCTGTACACCCCGACCCAAAGGGACTCAATGGCATTAGATTTCTAGTTACCACAGGTAGAATATCGGGCGTTGGC	4
wt-89400-89520	742	CCATAAAAAAAGTGCATGGATATGCTCGACAGGCTGGAAACACCCACTCCAGGTGTGCTTCTTTGGTGAATAAAAAACAGCATCTTTATGAAAATGTGTATCTGTGGT	4
wt-89520-89640	743	TTGCGATGTACAGTTAGCTTTGGTATGCTTTGGGGTACCTGAAATGTGTGACAGGTGGGTGTGCAATGTGGCAGTTTACCTCTTTGGTCCCACTACTGCTCGGCCCTCTGTTA	4
wt-89640-89760	744	AAGTTAACCGGCGTGGAGGATCCACCGGCCAGACCTCTACATTTGGTTGGGTACCCAGGTGATGGCCGCGCTGCCACCCGCCCTCCTCCTTACCTGGGTGGCAAAAAGTATGCC	4
wt-89760-89880	745	AGGAGTAGAACATAACAAGTGCATGGCGGTAAACAATGGCACCTCACCTGCTTAAATGAAACCATGGCAACCACTCAAAGAGAGCCGACAGGAAGATATTTAATAATCCATTA	4
wt-89880-90000	746	GTAACAGAGCGTGAAGCAGGCGTGTTCATAACCGGAGTTAGAAATTTAAGAGATCCTCGTGTAAAACATCTGGTGTCCGGGGGATAATGGAGTCAACATCCAGGCTTGGGCACATC	4
wt-90000-90120	747	TGCTTCAACAGGAGCGCAGCTGTCAATTTTCAGATGATTTGGCAGCAGCCACTCGGACAAAAATCAGGCTTTAGATGGGCAATTTATGTTGGACGCTAGCCGCTGGCATTGC	4
wt-90120-90240	748	TGTTAGTATATACTGACCTCAGGTAGTCTGCAGCAGTTGCTTAACTTGGCCCGGCTTTTCTGGAAGCCACCCGATTCTGTATCGCTTTATTTCTAGTTCAGAATCGCATTCTCTCC	4
wt-90240-90360	749	AGCTGCGAGCAAGGAATGCGTTACTACAAGTGGTGCCTAGTCAGTTGAAACAAGCCCAACATCCGCTGCCGCCCTCCATGAGCCCAACCCGCTGCCGCCCTCCTTGGCCCT	4
wt-90360-90480	750	CCTTACCATTCTGGCTGTTGGTTCCTGTGCGCTGTCGCCGGGACGCCACTGGTGCAGGCTGTGGAACCAATGTCTGCTAGCTGTTGCTTGGTTAGCCCGGGGCAAGCAAA	4
wt-90480-90600	751	CACCACTGCTGCTGCTGTTTGAACAGTAGAATTGTCTCCAGTTGAGGTGCTTCTCCCGGCTTGGTTAGTCTGTTGATTCTGGGTTATGTCCGAGACTGGGAACAGCTGAGGTGCTGC	4
wt-90600-90720	752	ATAAGCTTGATAAGCATTCTCAGGAGCAGGCTGAGGGGCAGAAAACACGACCCAGTCCGAGCGGTTGAACATGATAGGCAGTTAGCTGGCTTGGCAGAGGCTCTGGCAGCACC	4
wt-90720-90840	753	CCACAGCACACAAGGCAAGGAGCTTGCATGGCCCTCCAGGTCTGATAGACTCTGGTAGCTTGGTCAAAAAGCTGTACAAAAGGCACCTGGTATGGGTGAGTTGAAAATTTACATC	4
wt-90840-90960	754	TTCAGAAGTCGAGTTGGTCCATCATCTTCAGCAAAGATAGCAAAGGTGGCCGGCAAGGTGCAATGTTTGTAGTGTACCTGTCTAACATCTCCCTTTAAAGCCAAGGCACAGCCTC	4
wt-90960-91080	755	CTCTGTGATGTCATGGTTTGGGACGTGCTAAATTTAGGTGTGCTATGAGGTACATTAGCAATGCCTGTGGCTCATGCATAGTTTCTAAAAGAGGAGGAGGAGGATTTTTCAGAAGTGTCTA	4
wt-91080-91200	756	AAATAAGCTGTGTCAAATAAGACAGCCAGTTGAAATATGCATGGCATGCAGCAGACATTCATCATTTAGAAATGTATCAAAGATTTTCATTAAGTTCCGGGGTCCAGGGGGAGTCCAG	4
wt-91200-91320	757	ATTCAAATCTCTGTCATGGACTCTAGTGTGTGGTCAAGTTCGTCCTCAATGGCCACGAGGGGGGGTGGCTCAGGTCATCTGCCATATGGCTGCTTCTCTCTTCTGGGGAATAAC	4
wt-91320-91440	758	AGTGTACGCATCTCCCTTAGGGCTTACGGCCCTGACGTGTTTCTTCTCATCAGGCTCCCAAGAGACTTGCCTCGGGGTTACTGCGGGGGCCGGTCAAGTGGTGGGGCACC	4
wt-91440-91560	759	GGCTGGCGTTAGGGATCCGACCGGTTTCATGGACAGTCTCTGTGGGGTGGGAGCCAAAGGCAGGCAGGGGGCGGTTGGCCACGGGGATCCGGGTGGATGGAAGGGCTGATCTCTT	8
wt-91560-91680	760	TGGCTGACACACTCTGCCCTCGAACAGTCAAGATGGCACTGCCGCTTCCGGCTTTGGCAGGAACATACCTTCCCGCTATCCCTGAGGCCCTTCTCTTTAACGGGAGGAAG	4
wt-91680-91800	761	AAAGTGGGCTTTGAGGGTGGGGAAATGGTCTCTCATCGCTCTTGGTGGACCCTGCTATCCAGGCTGTTCAGTTCCGCCCGTGGAAAGGACATGGAGTTTACCACGGTT	4
wt-91800-91920	762	GGGCTGGATGTCGGCGCGACTTTGGGGCCCGAGGCGCGGGGCTCGGCCCTGGCCTTCCCGCTCGCTGTGCTGGTGTCACTGTTGCCCGAGTCACTGCTGCTGGAAGTGTCTGTC	8
wt-91920-92040	763	ACCGCAGTCGGCGCTTTGGGCACCGGCTTACGGGCGATGGTCCGGCTCGGAGACTTTCAGTTTCAATGTAAGAAAGTAAAGTCCCGGACTCCGAGTCCGGGCTCGGTTGTGAGA	4
wt-92040-92160	764	GGCACCCCATCATTCCCATGAGCTCTCGTCCATCTGTCGGCTCCGACAGGATGAGGAGTTTCCACTGCTTGGACTTGGTTGACAGCAGGCACCGGGGAAGCACGCCCTCAC	4
wt-92160-92280	765	GTAGTCTCTGTCCGGCTGGCTGGAGTAGGAGGCCCGGGCAGTGTCTTAATCAGAGCCCTGACATCCTAACATCGTCCGTCAGATGGCTGTCTTGGACGAGACCATAGTCTGGAA	4
wt-92280-92400	766	CATCTCCTCGAGGACGGATAGGTGAACACCCACTTGCAAAAGGCTTGAACCTTGGAGCTTGGAGGCCCTCCTTCTCCATCCTGTTGAGGTGTCCACTACCTGCTGCCGGAGGCCAT	4
wt-92400-92520	767	GATGGCCGCGGTCACGCCCAGCACCTTGTGTAGGTGTAGGCCCGCACCCGACTGTGTTTTAGGAGCTTGTACATAGCGGTGCCTATGGTGGCAGGAATCATACCCGGTTGCTGGG	4
wt-92520-92640	768	GGCCTGGATGAAGAATCTGTAGTACCCTATCAGGTGGTCTAACACGTAGCGCATCACTATAGGGCAGCGATGGAACATGCTGCTTGGCGCACTTCTAGCCGCTCTTCTACCCT	4
wt-92640-92760	769	GTTGTTCCGGAGAATGGCCAAAAATTCAGATGTTGAGCGTGGCCATTAGCCCGCCCATCTCGCCCTGGCCCTTGGCCTATTATAAATGCCTTGCATATTTGTAGGATCTCAG	4
wt-92760-92880	770	AGTAATCTCCACTCCCGCTGTAATTCCTTGTGAGGACGTTGCAGTAGTCAGAGACCAGAGAGCCAGCTGCTTTTGTATTCAGGAGTTAGCCTCAGAAAGTCTTCCAAGCCATC	4
wt-92880-93000	771	CTTTTAGGCCATGCTAGTAGTAACAGAGGAAATGCCCGACCATAAAATCTTCTCCATGAGCTTACCTGAAACACTATCCCGAAGTGGGGATGTGGTGCATCTACTGAACAC	4
wt-93000-93120	772	CATCGGGTGCAGTGCACCTCCCACTAGCCACCCACTCCTGACAGCCAGAGGGGGCTGTTCTGGCAAGAGTCTTGCAGGCTGTACAGCAGCACAAGCTGCTGGAAGACACCATCGT	4
wt-93120-93240	773	CCCCAAGATCTTAAAGAAGCTGGCTTATTTCTTAGAGCTGTAAGTACTACTCCCCAAGGATGAACAGCGTGACATCGCCGAGGTTCTTGACCACCTAAGACGAATCGGGACCTGGG	4
wt-93240-93360	774	GCTGGACGACAGACTCGGGCCCTGATTAGGAAACTGCGCCAAGACAGACACCATGCCTCTGTAATGTCCCTCATGCCAGGAAGCAGACTACACAGCCGCTGCTGCTGCACTACGACCG	4
wt-93360-93480	775	CATCTCCATAGGTATGAGGAAGGTAATCGCGGATGTCTGCCGAGTGGCTATGCCTCCATGCCCTCCATGACGGCCACGCACAACCTCTCCACCAGCTTGTATGGCGTCCGGGCCAG	4
wt-93480-93600	776	TGAGGAACCGTGGCCTGGCGCGGTTCTTAAACAGGTCTCCTCTGGACTGTGGCCCTGCAAGTTTCGAGATGCATTTACTATAACTACATTAGGGATCTATAGCCACCATCTC	4
wt-93600-93720	777	CCAGCTCTGCACCTCGAGATCAAGGCCCTCTGCAGCTGGATAATATCCAGGATGGCATGCGCCTTTTCAACACAGCAGGCTCTCCTACCCCTCGGGAGAGCGTGGCCGCAAACTCA	4
wt-93720-93840	778	GGAGGTCACGGATGCCATTACCCTGCTGACTCGCTGAATACATAGACCTACTAAAGCACAAAAACATGTCTTAGAAAAGTGTCTGCCATGCAATACAAAATTTCTTACCCTG	4
wt-93840-93960	779	CGTCTGTTGTAGTGGAGTGTGTGCTGCTGATGGTATTCTACTTTAAAAAGGCCGCTGACATGCTGTTTATGAGCCATTGGCATGGGCGGCAATCGCAATATAAA	4
wt-93960-94080	780	ACCCTGACCATCACATGGGGCATTAGCGACTCTGCATCAGCATCGTTAAGTATGAGTGGGACGACAGAGGCTCGGTTATTTGGTTCTGAACATCTGGCTGGGCGATTAACTAAGC	4
wt-94080-94200	781	TTATGAGCGATTTTACACAGGACAAGATGCTACTTTCTGGAGGAAATATTGCAGTCAAAAATCGCGATGCTATAAACAGACCCCGGGGGTGGTATGATGCTACTTTCTTCCC	4
wt-94200-94320	782	TGTTTGCTTTATGGAATGCCCTCCCAACATCTGGTAGACAATCCTCCAGGGAGATTAATCCAGCCCGCTGACAGGCTTAAACCACGGCCCAACAATTTATGCTGGGTGTTATCCAG	4
wt-94320-94440	783	GTGAGACCTCACACAAGGACACACCCGAGTCTGCTCCGGCTATCGTACGGGCTCTCCAAAAATTTGGTGGTATCGTGGGATGTCAGAGTGGCTACAATGTCTTAAAGGGATTGA	4
wt-94440-94560	784	AGGCAATTAAGCCCGCCTTTATGAAATCCCTAGGATAATACCACACACTAGCAGTGTAGTCTGTCAATCTGACATGTTGGTCCCAAGCTTGGCCAGCTTGGCTTACGTTGCTATGTC	4
wt-94560-94680	785	AGCTTGATACGACGCCGCTGCTGACGCTGACTTTACAGAAATCCCTAGACTCGATGACTCCGATGCTGTTTTGCGACGACCTTATTGGCAGCCTTATTACCTCAATGTTCT	4
wt-94680-94800	786	TTATTTCAAAGATTACATAACAAGACTCCATGAGCTTGAAGCAGGCCCTCAGTGGTATTGGATGTCTGCCACGGCAACCCCTGCCTGCAGCACCAGAACCCCTGCGAGACTACT	4
wt-94800-94920	787	TGGAAGCTTCCGAAATTCGGATAATCACTTTTATCTCCCGACGACAGGGCTTTAAACACCTTCCAATTTCCCGAAGAGCTTCTGGGGCGCGTGTGTTATTTGATTCCTTTGTGTG	4

wt-94920-95040	788	CGCCAGTACAGTTCAGGACGTTATCACCCATGGTGTGGGGCGGGTGTCTCTCGTCTCGGTTTCGGCCCTGCCTCCGGCCCCATCCCGGAGCCCCAGCAGACATGCTCTCAGTTAA	4
wt-95280-95400	791	CCTCACAGGCCGACCCAGCTTTTCTCCGTGGCCAGTAGCATCTCTGTCTGGTACCTTGAAGAGAAAGAGAGGGTCCCAGAAATCCCATCCCTACCGTCCAGCAAAAAGGGGG	4
wt-95400-95520	792	ACGAGGAATTTAGGCCTGGCTTGAGGCTCAGGACGCAATCTTGAGGATGTTAGCGGGAGTTCGGGGCTGCGAGTAATGGTGATGAGGACGAGGATGGTTCGGAGGATGGGAAT	4
wt-95520-95640	793	TTTCAGACCTGGATCTGTCTGACAGCCACATGAAGGGGATGAGGGTGGGGGGCTGTTGGAGGGGGCAGGAGTCTGCACTCCCTGTATTCACTGAGCGTCTGTAATAAAGATGCTAT	4
wt-95640-95760	794	TGATCTCTTTAGTGTGAATCATGTCTGACGAGGGGGCAGGTACAGGACCTGGAATGGCCTAGGAGAGAAGGGAGACACATCTGGACCAGAAGGCTCCGGCGGAGTGGACCTCAAAGA	4
wt-95760-95880	795	AGAGGGGTGATAACCATGGACGAGCGGGGAAGGACGAGGACGAGGAGGCGGAAGACCAGGACCCCGGGGGCTCAGGATCAGGGCCAAAGACATAGAGATGGTGTCCGGAGACC	4
wt-95880-96000	796	CAAAAAGTCCAAGTTGCATTGGCTGCAAAAGGGACCCAGCTGGAAACAGGAGCGGAGCAGGAGGAGGGGCGAGGACAGGAGGGGCGAGGAGGAGGGGCGAGGAGGA	4
wt-96000-96120	797	GGGGCAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGAGGAGGAGGGGCGAGGAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGAGGAGGGG	8
wt-96120-96240	798	GCAGGAGGGGCGAGGAGGAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGAGGAGGAGGGGCGAGGAGGAGGGGCGAGGAGGGGCGAGGAGGAGGGGCGAGGAGGGGCGA	8
wt-96240-96360	799	GGAGGGGCGAGGAGGAGGAGGGGCGAGGAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGAGGAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGAGGAGGGG	8
wt-96480-96600	800	GGGGCAGGAGGGGCGAGGAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGA	8
wt-96600-96720	801	GGAGGAGGGGCGAGGAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGAGGAGGGGCGA	8
wt-96720-96840	802	CGGGGTAGAGGACGTGAAAGAGCCAGGGGGGAAGTCTGTAAGAGCCAGGGGGAGAGTCTGGACGTGGAGAAAAGAGGCCAGGAGTCCCAGTAGTCAGTCATCATATCCGGTCT	4
wt-96840-96960	803	CCACCGCGCAGGCCCTCCAGGTAGAAGGCCATTTCCACCCTGTAGGGGAAGCCGATTATTTGAATACCACCAAGAAGGTGGCCAGATGGTGAGCCTGACGTGCCCGGGGAGCG	4
wt-96960-97080	804	ATAGAGCAGGGCCCCGACATGACCAGGAGAAGGCCAAAGCACTGGACCCCGGGTCAAGGTGATGGAGGCAAGGCCAAAAAGGAGGGTGGTTGAAAGCATCTGGTCAAGGAGGT	4
wt-97080-97200	805	TCCAAACCCGAAATTTGAGAACATGACAGAAGGTTAAGAGCTCTCTGGCTAGGAGTACGTAAGAAGGACTACCAGCAAGGAACTGGTGCAGGGTGTGTTCTGATATGAGGAGTGT	4
wt-97200-97320	806	AAGACCTCCCTTTACAACCTAAGGCGAGGAACCTGCCCTTGCATTCCACAATGTCTGTTACACCAATTGAGTCTCTCCCTTTGGAATGCCCCCTGGACCCGGCCCAACCTGGCCCG	4
wt-97320-97440	807	CTAAGGGAGTCCATTGTCTGTTATTTTCATGGTCTTTTACAACCTCATATATTTGCTGAGGTTTGAAGGATGCGATTAAGGACCTTGTATGACAAAAGCCCGCTCTACCTGCAATATC	4
wt-97440-97560	808	AGGGTACTGTGTGCAGCTTTGACGATGGAGTAGATTTGCCTCCCTGGTTCCACCTATGGTGAAGGGGCTCCCGGAGGGTGTGACGGAGATGACGGAGATGAAGGAGGTGATGGA	4
wt-97560-97680	809	GATGAGGGTGAAGGAGGGCAGGAGTGTAACTTGTAGGAGACGCCCTCAATCGTATTAAGAGCCGTGATTTCCCGCAGTAAAGAATAAATCCCAAGTACAGATCATCGGTGCTGT	4
wt-97680-97800	810	TGGTGTATTTCTGGCCATCTGTCTTGTACCAATTTTCTCTCCCAACATGGGGCAATGGGCCATACCCATGTTGTCACGTCAGTCCCGCTCAACACCTTCTCGGTTGGAAAA	4
wt-97800-97920	811	CATTAGCGACATTTAACTGGTAGCAATCGAGCTGCGAGGCTTTAAATCCACTAAGAGTGGAGCAACCAAGCTGGTCACTAGCCGCTGCGCAACAGGAGCTCAA	4
wt-97920-98040	812	CGTGTCTCCTTTTATCTCCATCTGAAGCGAAGCAGCTCCGCCCTCACGGGCCATCTCCGTGAGTGTAAACCACCTGGAGACTTTTACGGTTACTTCTAGTGAAGACCTGTT	4
wt-98040-98160	813	TGGTCCAACTTAAACAGATACGCATGGCATCGCGGGGCTAGACCTCTGGCTGGATGAGCAGTGTGGAAGAGAAACAGGAGATTGGTGTAAAGGAGAAAACTGCTTCTCCCGAC	4
wt-98160-98280	814	TTATGGCTAGATTTCTACAACCTACGCCCATCTCCAGCGCAAGCTTCTGCTGGTATTGCTGTGTCGACGCCCTGCGGACTCAGGCCACCGTCTACCAGAGGAGGACATGTGCATG	4
wt-98280-98400	815	GCCTGGGCCCGCTTTTGCAGCCCTCTGATATTAAGGTGGTATTTTGGGCCAGGACCCCTACACGGGGTCAAGCAAAAGCCCTGGCATTACAGCTCGCATACGGCTTTCCAGTTC	4
wt-98400-98520	816	CCCAGCTGAGGAACATCTACGGGAGCTGCACCGGAGCTCGCGGAGTTTTTCCCCAGACTCAGGCTGTCTAGCGGCTGGCCCTCCAGGGGCTTGCTACTCAACACCATCTG	4
wt-98520-98640	817	ACCGTGCAAAAGGGCAAGCCCGGCTCGACGACAGACTTGGCTGGGGTGGTTTACTGACACGTAATTTCAAGAGTCTCGCCATCTACCAACAGTCTTCAAGGCTGACACCCAGCCCT	4
wt-98640-98760	818	AAGGCGGAGACAAAGCTTCACTAATCAACTCCAAGAAGCATCTGGTCTGACCTCTCAGCATCCCTCTCCCTGGCCAGAACAGCACCAGAAAGAGTGCCAGCAGAAGTCTCTGGG	4
wt-98760-98880	819	AACAACCACTTTGCTCTCGCTAACAACCTTTTGCCTGAGAAAGGGCTCGGTGAGATAGATTGGAGGCTGTAGAGGGGTCATCACTATGGCCATGTTTCTGAAGTCGCTGGGGTCCGGT	4
wt-98880-99000	820	TTGCAGGGACCGGCGCTTGTGCGACGAGGAGGAAGAGACTTACAGAGCAGCAGCTACACTCTGGGGTCTCAGGCCTCCAGTCTATCCAGGAGGAGGACGTGAGTGACACTGATGA	4
wt-99000-99120	821	GTCTGACTACTCAGATGAAGACGAGGAGATTGATTTGGAGGAAGATACCCAGTGACGAAGACCCATCTGAGGCGAGTGTAGCGACCCCTCGTGGCATCTTTCAGATTCAGACGAGTC	4
wt-99120-99240	822	TGACTACAGCGAGAGCGACGAGGATGAAGCAACCCCGGCTCTCAGGCTCAGCATCTTAAGAGTCTCGCCATCTACCAACAGTCTTCAAGGCTGACACCCAGCCCTCTCCCG	4
wt-99240-99360	823	ACCACGCACCCGGGCACCTCCGAGGCGCCGGCTCCCGCGCGGTGAGGGGACGGGCTCAGCACCTCCAGGCCACCCAGCCCAAGTTCAGCAATCCACCAAGACAAAGGTTCCCATAG	8
wt-99360-99480	824	ACCTACGGACCTGTACTTAGAGGCCAGCTCCAGCGCCGCCCTCCACCTTCAAGTCCCAATACATACAATAAACACATGATGGAACACCCCCCAATTAAGGGCAATAACAATA	4
wt-99480-99600	825	CAATTTGGCCATGGCTGTAATAAATGTCTATAACCTGGAGTCTGCATGTCTGTTTATTCAGTAAACAGTAGTGCCTGAGTCTTTTAGGGCATCCAGATGTAGCCGCTCGCGG	4
wt-99600-99720	826	GGTCCCTCCCAAGTATCTCGGATAGGGGATTCTGTCCATGACCAGCAATAGAGTCCCGGGCCGGGACAGCCACATACATGACCCGGTGTGATGTTCTGTGGCTGC	4
wt-99720-99840	827	CGAAGCAGATGGCGACTTTGTTTAGGGACAGACCTGGGCTTGGCTATGGCTATGGCCAGCTTTGAGCTAATGCCATAGTCAAGGATGCTGAGAGGTTCAAGGACTTGTCTCTATCG	4
wt-99840-99960	828	TCTCATAAGTTTGTAGTATTGTGTTCCAGGCGACACGAAAGCTGCCTCATCTTACCATTAGCCTGGGCATGCGTGAAGTCCAGCGTCTGAGGCTGCTGCTTCTCCGGATGC	4
wt-99960-100080	829	CAAAGAAGACGTTGAGATGCGTGTAGCCAGAAAGCGTGTAGTCTCGTGGTGGAGGCGTAGTCCAGGAGGCCGTGAAGGAGAGGCTGCTGAGGTGAATCTATGTTGTCGGGAATCA	4
wt-100080-100200	830	GCATGTTGTTGGTAAATGTGACAGAGGGGAGGTCCTGAACTCCCTTCCCGCATAGCGGACGGCCACATCCAGGCATTGCCTGAAATAGGCCCTGAGGTCATTATATGTTTAAAGGG	4
wt-100200-100320	831	AGCAGAGGGGGCAGAAATTTGGCGCCGGGGAGGCCAGTACTCGGCATAGAAGACAGCGGGGGCTCCGCTCCCATCCAGGCAACCTCCAGCGGAGTTCGCCAGCTCCATCCAG	8
wt-100320-100440	832	CAGTCACTCCGATCCACAGTACGCGCGGACAGGGGACAGCAACCAAGCTCCGCCAGTATCCCGTTTTACAGAGAGAATGTCCTCCGTGGCTAAAGCGTAGATGCCTCCGTAGA	4
wt-100440-100560	833	TGAGTCCGGCCAGGAAGCTGTAGACATACTCGGGCTGCTCATGCCCGTGGGCTCCACGAAGCTGTCCGCTCGAGCGTGTCCATAAAGTCCCGAAGGTGCCGATAGCCACAGATGG	4
wt-100560-100680	834	ACTTTTTGGTCTTGCAGTTGACCGACACCGAGCTGTGCTTACGATAGTGACATTGATAGTGACCTTGACCGTTCTTCCGCTGCTCGGTGCCACCGGACCATGCTTGTGTCGGCA	4
wt-100680-100800	835	ACTGCGAGTAGTTACCGAGCGCTGCATAATCTTTTGGAGCCAGGTGTGGCCGTGAGGCCCGGAAGCCCGACAGGGCTTGTACTGGGCCAGGGGATCGAGGAAGACCTCGCACTCCA	4
wt-100800-100920	836	CCGGGCGAGTAAACATGGTCAACCCGCCCATCTCCCCGGTTCCTCCCGCGGCGACGCCCTGCCCGGACGCTTGAAGGCTGGCATGGAGGGTGTGAGGAAGGCTTGTGACCTCGGCGT	8
wt-100920-101040	837	GGGAGGAAAGCGGGTCCAGCCACTGCTGCGGGGCTCAATAGCCCGCCCTGACCGGAGGCTGACGTCAGGACGAGGCTGACGTCGGGCGAGAGCTGCGGGGAGGCTGAGGCGGACTCGA	8
wt-101040-101160	838	GGGTCTCATGAGGTGCCAACTGGACGTCGCTGAGCGCTTGTGTTGATGAAGAGGGCCAGTTCGCGGCGACGTCACGTAAGTCCGCGCCCTGGGGTTCGCCACCAAGGAAGTGA	4
wt-101160-101280	839	GGATGTTGTCGACTCGCAATCTTGTACCTGGTCTCGTGCTAAAGGAGGACTGAAAGCGCTGTCTGGTGGGAGAGCCACGACAGCATGACGGAATCGCGCCCGGGGCT	4
wt-101280-101400	840	AGAGTGGGTACGACGCCAGGCGTTGAAGAACCAGTAGCAAAAGACCACGGCTTTAGAATGTGCACGGAAGCGTTCAGCTTCTCCACCAAGTACATTTGGTGGTCCATAGCTGCC	4

wt-101400-101520	841	CCTGGTGCATGTCTCTCAGGACCTCAAAGGGGGGGCCAGAGACTCCCGAGTAGAGCCCCGTGGGCTTGGTTCGGCTGAACTCGGCGGCAATGTGGGAGTACCGGCCAGTATTGGCCA	4
wt-101520-101640	842	GGTCCCGCCGCTGGAGTTCTCTAGGGCGGCGTCCGTAGAGCGACCATGACTGCTGACCCGCTGCGTCATATTATGTGGCGGCTCTTGAACCCAAAGGCGCTATAGACGGTTGGGCAGT	4
wt-101640-101760	843	AGGCTCGGAGTGTCTGGGAGAGTTCTGTGCGGCCACGGTTGTGGCTCCCGTGACCAGGCAGTCCATCGTGTGGTGGAGGCAGCTAACGCTGGTCTTGGCAGCCCCCGCGTCCCG	8
wt-101760-101880	844	TAATTACATAGGCTGAAAAGGGCAGGAAGGGGGGCTCCGAGAGCTCCGGGTCAAACCTCGGGGGAGAAGCTCCATATCCGGGAGTTGTTGGACGCGGCGCCTAGCCAGGGTCCCTATCC	4
wt-101880-102000	845	TCCTGACTATACGCCTCACGGAGGCGTCTGAGGTCATGTTCAACATGAACGTGGACGAGAGCGCCCTCTGGCGCCCTCGGCTCCTCGGCCATTCTGTTACCCCAACGCGCCGCTCGGTCC	4
wt-102000-102120	846	GACTTTTGGAGTCTGCAGGAAAGTACGCTACGCTACGTCAGGACAGACCATCTAGCCAACTCCGCAACCCCGGAGTCTTCTGAGGCAGGTGTTTACCATTGTTTAAACGAGCCA	4
wt-102120-102240	847	TCTCTCATGCACGTACGATGACGTGAACACGCGCCCTCAAGGCCATCGGTGGCCACGAGGCGGAGCCATGACATGACAAGGACATCTGGCCATCTGGAGCAGATCCACGCGCAAGG	4
wt-102240-102360	848	CGTGGTCCACGACCATGAAGCTGACCGTGCCTGACCTGCTGACCACCAACATCTACCGAGTGTACACAGCCGCTCCGTGCTCCTATGAGCGTTATGTGGACTGGATCTGCGCCACCG	4
wt-102360-102480	849	GCATGGTCCGCCCGTTAAGAAGCCATAACCCAAGAGCTCCACTCCAAGATAAAGAGCCTGAGGACAGGTGCGTCTGCGGGAATTGGGGCACGAGAGGACCATCAGGAGTATCGGGA	4
wt-102480-102600	850	CGGAATTATAGAGCAACGAAGGAAATAATAGAGTCCGCTCAACTCCACGTTTATCCCCAGTTTACGGAGGTGACCATCGAGTACCTCCGAGGAGCGACGAGTATGTGGCCTACTACT	4
wt-102600-102720	851	GTGGCCCGCATCAGGCTGCATGTCTTCCCGCGCCATTTTGGCGAAGCGTGCCTGCACAGCCCGGTGCAGCGCCTTACCAGAACATTTTTCATGTCTACCGCAGCTGG	4
wt-102720-102840	852	AGCATGCCAAGATCTGCCAGCTCCTGAACACGCGCCCTCAAGGCCATCGGTGGCCACGAGGCGGAGCCATGACAAGGACATCTGGCCATCTGGAGCAGAACTCACAGCGCAAGG	4
wt-102840-102960	853	ACCCCAAGAAGGAGCTGCTGAACCTGCTGGTCAAGCTCTCGGAGAACAAGACCATCAGCGGGGTACGCGAGCTGGTGGAGGAGTTTATAACGGATGCCCTCAACAACCTGGTGGACCGCA	4
wt-102960-103080	854	ACCGTCTATTTGGCCAGCCCGGGGAGACAGCTGCACAGGGCCTAAAGAAAAGGTCTCCAACACGGTGGTCAAGTGTCTGACTGATCAGATAAACGAGCAATTTGACCAGATTATGGCC	4
wt-103080-103200	855	TAGAGAAGGAGAGGGAGCTCTATAAAGAAAGTCCGCTCCATGGAGTCTCAGCTGCAGGCCTCCCTGGGTCCCGCGGCAACAACCCAGCGCGCTAGCCCGCCCGCAGTTGCGGCAG	4
wt-103200-103320	856	AAGCCGCTGTGTAGATATACTGACGGGACGACCCGCTCCGCAATCGAAAAGCTGTTCAACTCCCGTCCGCCAGCCTGGGTGCCAGGGTGTCTGGTCAATGAAAGCATCTTAAACA	4
wt-103320-103440	857	GTTTCGTTTCTCAATACATCCCCCTTCCGCGGAAATGACTAAGGATCTGACTGAACTTTGGGAAAGCAGCTGTTTAAACACCTTCAAGTTAACACCCCTGGTTGATAATCAGGGGACG	4
wt-103440-103560	858	GTCTCTACGTACATACTCGTACAGACGATCTCTATATTATGGGCCCTTACCTATCTGGTGGCAGAGCTTTACCGGTGGAACCTGTCAGAGATGTCTACGCCACCCTAGGCATCG	4
wt-103560-103680	859	TGGAGATCATCGACGAGCTCTACCGGAGCAGTCCGCTGGCCATCTACATCGAGGACCTCGGTGCAAAATAGTCCCGCGAGCGCGACCGGGGAGATCATGGCATCCGGCAAGCACCAT	4
wt-103680-103800	860	CAGCCCGGGGGACACGGAGCCTGACCATGCAAAAAGTAAAGCCTGCGCGTGCACCCCGCCTGGTGTGGAAGTTAACCCGCAATAACGCCATCTGCGTGGCCACCAAGCTCCCTGAGTTC	4
wt-103800-103920	861	TACAATGCCAGGGGGACCTTAACTCCGAGACCTCCGGGCCACGTCAGGCCCCGATGATCTCGTCCAGTTTGGCGGTACGTCCTCGTGTGACTGCTGGACTCCGAGGACCAGGTC	4
wt-103920-104040	862	GACCACCTAACATATTCGCCAGCTTCTCCGAGAGGATGCTGTGACAGAGGATGCTCTGTGACAAACCCCAACAATGTAGGATGTGCGCCCTGCTCGATGATTGAGAATGCCAAGAGCCCG	4
wt-104040-104160	863	TCCATAGCCCTCTCCGGGAGGTGCTGGGTGCGCTGACCCTCTGCACTCCAAGTCAACAATCTGGACTCTCTGTTTCTGTACAATGGGGCCAGGACGCTGCTCCACCCTGGTCAAG	4
wt-104160-104280	864	TACCACGACTGGAGGAGGGGCTGCCACCCCGGGCGTGAATGAGGGCTGAGTCTTTAAAGTGCACAAGGAGCTGAAGCGGCCCATCCGAAGCCCGGGACCTCATGCAGAGC	8
wt-104280-104400	865	CTTTTCTGACCTCGGGGAAGTGGGGTGCCTGGCCAGTCAACCAAGGATTACTGCGCGGATCTAAACAAGGAGGAAGATGCCAACTCGGGTTCACATTTAACCTGTTTATCAAGAT	4
wt-104400-104520	866	TCTTTATTGACCAAGCATTCCAGTGCCAGACCGTCCAGACCTTGAGACGCAAGTGCCTGGGAGTGACACGGTCTCAAAAATAATTCCTAGAATAAAGTGAAGACAGTCACTAGT	4
wt-104520-104640	867	AAATGTCTCTCGCGTGAATTTCCATAGGAATGGTGTAGCCGGGTGGAGGGCCGATATACATCAAGCAGAAAAGCCATATCTCTCGAAAAGTAGGCGGTGGGGCTGAGACCATGCTCA	4
wt-104640-104760	868	GTGGCCGTCTGGCAGGGGGCCGGCGCCTTGTCCAGGAGACACACTGGCTTCCAGAGAGGCGCAGCCAGCCCTCCGAGCCGCTGAAGCCAGGCTCGGGAAAGAGCCCAA	8
wt-104760-104880	869	AACCTGTTTCGGCGCCCGGGGGCCAGTCTCCGGTCAAGTGCAGGACCGGTTCAACAGTGGTGGTGGGATGGCGGGCCCTTGTCTGCCTCGGGTCTCGCCGCTAGTTGGTCCAGG	8
wt-104880-105000	870	GTCCAGGAGAAGGCTTCGTGCCAAACAAAAGGGCCCGGAGTCTCCCTACATCCACCACGTAAGATCCCCCTGAAAGATGCCATCAGTAGGCACCCGGGCCCGCTCGAGCCTTC	4
wt-105000-105120	871	ACCCGAATGTGTCTCGGGCCACGGTGGCCTCTCCACCATCACATCCCGGTGCAGCCGGCTGGCATCCTCCGAGTCTTTCACGCCCTGCAGGAAAAGCCTAGGAGATACAGCAACAGAAA	4
wt-105120-105240	872	GCTATTAGCCGGTGGTTCCCCACCATATCTTCTGTTAACGGGAAGATAAGAGTTGGGCAAAACCCCGGGGCGCGCTCTCCACCAGCCCGCTTCTCACCTGTGCTAGTGGCT	4
wt-105240-105360	873	CCTCTGAAGGATGGCGGAGGTTGGTCCACAAGGCCAGGATGAACCTGCTGCATAAAGCCAGGTGCTCCTAGGTACAGCGCCGCTGTAGGAGAACCAGGCTGACGGCGGTGTAGA	4
wt-105360-105480	874	GGCCCCGAGTGCCGTCGCGTGTCTGAGGTGCCATAGCGGTGAAGGGCCCGCAGCCAGGTTTGCCTGTCGCGCCTGCCCTCCGCCATCAGGCGTTCACACGGGGGCGCCCTGGCAG	8
wt-105480-105600	875	AGAGGTGGCAGCGGGCAATTCTGAGAGCCACCAAGTGGCATCAGCCTCAAGGATGGCTGTGGCTCCGCGCGCCGACACCGTCTGCTCTCCCCCTCCCTCGCCGCTTCC	8
wt-105600-105720	876	GCGTCAAACTGGCGAGGTTAATCTCCTTTCCGGTCCGGGGCCAGATTTGTTGAGGAGCAGCGAGCCGCTGTTGCCCTGACCCGCGCTGAGGCCCCAGGAGGGCGCTCTGCCAGGG	8
wt-105720-105840	877	GCGTCCAGAGACTCCAGGTTCCAGTCCAGTAGCAGGAGCCCTCGCTGTGTGGCCCGGTGCCAGAAGCCGGCTCGCCCTCCACATAATGGATGGCAGGAAGGAAAGCCCG	8
wt-105840-105960	878	GGACATAGGCTGGAATCTGAGCCCTGGGCGAGGTTCCGGGTCCAGGAGTGAAGATGGGCTTGTGCCTCTGTGGTTGGCGTAGCAGGAGGCATAGATACTGCGGAGGAAGGCGT	4
wt-105960-106080	879	AGAGCCCGCCCGGCCATACTCCAAGAGTTGACAAGCCAGGACTCGAATCCCCAGCCGGCTCAAGAAATTTTACGGCTGACGCGGTGCCGTGGGCGTCCCCACCAGCGCCGTGGCC	8
wt-106080-106200	880	CGTGGAGCAGCACCAGATCTACTTCATAAGTGACCGGTGCGAGGATGTCCTAAAGGGGACGGGAGAGGGTGTGCGGAGTCTCGGTGGAATAGGTGAAAACATCCCACGCGGTGTCC	4
wt-106200-106320	881	TGATGTATACGTCACCTGTCCGGGAGACTCAGAGTGCCCTGAGCATGGGGCATGTCTGTTCCCCCTCCATCTCGGACCCGAAGCCATCAACAGTGGGGGTTTGGTCCCGCCAT	4
wt-106320-106440	882	CATCCCCGAGCAGCTTTGGCAGACCACCTGTGCTGAAAGAGAGGCTGGAAGATGAGGCCCTGCTCATCTCCACCCTGGCGGCGGACAAGAGTCTGCGGTCTCGGGTTCTAAATGAAA	4
wt-106440-106560	883	GGTCAAAATAGGTCCTTCCGGCGGATCGGCGAGCATAGCAATGAGCCCGCTGCGCTGAGCTCCCGTCCCATCGCAAAAAGTTGAGTTCGTTAGTGGGGCGGCTTGGCCACGG	4
wt-106560-106680	884	GGGGTCCAGGGAGCCTCAAGCGCGGCTGGCAGGCTGCACCAGATCAGAGTCTCAACGCTCCCTTTTGTAGGGCAGATGCCACGACCCAAATCGCCACCACCGCCCTGCGG	8
wt-106680-106800	885	TCTGGTAAACATTATAAAGGTAACCGAGCTGACGCGGCCCTGACGCTCTCCGCGGTTTCCATATTGTTGAGATCTGAGGAGGACTGGACCTTTAAACATCCGGTACAGCCC	4
wt-106800-106920	886	TTTGCAAAATTTTAAAGGTAAGTCTCAACTGAGACCATCGCAATCATGAAGTCTCCAAAGATGACAGTTCGCTATAGAAGCTGGGTCAAACCGCTGTTGTGACTTTGTGATG	4
wt-106920-107040	887	TTTGTCTGTCGGCGGTGGTCCCATACCCGCGATTTCCCAACCTGGGGTACCCTGCTACTTTAAACGACTGGTTGATTACGGGGCACTTAACTGACCAATTAACACTGGCCAC	4
wt-107040-107160	888	CACCTGACCCACGCTATCTGAGCGCGGAGATGTTTCTACATACACTGGTCTTTATCGCGACTGGCTGGCTTTTACTACTACGCTCGCGGAGGTGGCGCTAATCAAG	4
wt-107160-107280	889	GCCCCAAAAGGCTCGGGTCTTACAGACCTCTCGGCTGGTCTCGCAGTGGGCTCCCAACCGCTGTTTTGGCCATCCTCAAGCTCTGGTCCATACAGGTTCTTCCAGGTC	4
wt-107280-107400	890	CTTCTACAAGCAGCTTTCTCTCGGCTTTGTGACTTTTGCACCTTCTGGCCTCAGTCTACACGCTCGCATGTGTACCCGCTTCTCCCGGTCTGGTGGTCAAGGCCAG	4
wt-107400-107520	891	GACAACCTATTCCCAGGACACCTTCTGTGGTGGTGGTCTTCTACCTGAAGCCGAGTTACAACCTGTACCTGGGGTGCCTTGCCTGGAGACGCTGGTCTTCTCGCTCAGCGT	4

wt-107520-107640	892	TTCTGGCCCTGGGCAACAGCTTTTACTTTATGGTGGGGGACATGGTGTGGGAGCCGTAACCTCTTCTCATCTGCCATCTTCTGGTACATTTGACGGAGGTGTGGCTGGCCTCC	4
wt-107640-107760	893	TTCTGCGGCACAACCTTTGGCTTCTACTGCGGCATGTTTATCGCCTCCATCATCTGATCCTGCCCTTGGTCAGGTACGAGGCCGCTTTGTCTCCGCCAAGCTGCACACCACTGTGGCC	4
wt-107760-107880	894	ATCAATGTGGCCATCATACCTATCTGTGCTCGGTGGCCATGCTCATCAGGATATGCCGATTTTCAAAGCATGCGCCAGGGCAGTACTATGTCCCTGTCTCGGAGACGGTGAAGT	4
wt-107880-108000	895	GAGCTAGAGTCAGAGCCGAGGCCATAGGCCCTCGCGCACGCCATCACCCGGCGCAACCGCCGCCGCTTCTTACGTCCTCATCTTCCAGGTCACACAGGAGACAGAGGCCCGCTCT	8
wt-108000-108120	896	ACCAAGCCCTCGTCTCCTCCGTTTTACCGATGACGACGCGAGCGAGGAGGATCTCCCTAATGCAATAAAAACTTAAACACTGAGGTTACTTTCCCGTCACTTTTCGGGGGAA	4
wt-108120-108240	897	CGAGGGAGGCGGGAATTGGTAAAGTAGGCGGAAGGCGTGGGGTGGTGCAAAATTTGGGCTGGAAATGGAGGGGAGTGGGCTAGGTCCGCACCCGGGTGCCAAGATAATGG	4
wt-108240-108360	898	ATTGAGTAAGCATGGGGCTGTGATCGGTCCGCGGGTCTCAGGGGTGATGGGTGGGCATATTTTTGCCGCGGTGCTGTTGGGCTGGACTCGGGGTGATCATCCGTTACCA	4
wt-108360-108480	899	TCACCCGACCCCGCACCCAGTCCACAGCCACCGCCAAAGTCTGGGCCTCCACCACCGTTATGCCTCCCCCTTACCCTAATAATACAAGAGATGTTAGTTGGTTTTTATTTGGC	4
wt-108480-108600	900	AAAAACAGCAATTCATCATTTTCCAGAGTCTCATATATTCGAGCCCTCGTTGGTTTTCCCGCAGGCCCTCCCTTCTTGGCCGCTATTAGCTTAGTAGTCTCCAGGTTAAACTCCTCA	4
wt-108600-108720	901	TAGTCATTATACAGGTTGATTATTTCCCGCTCCACGTCGCTATGGAGTTGACTCGTCTCGGCAAGAGACAGAGGGCACCCTAGGCGCGGTGTCAAAGTATTGTCTGCGTACGCC	4
wt-108840-108960	903	GCGTGCAGGTGCGCGGGTCTAGAGGCGACCGTTTTGCAAAAGAGCCGCTCAAAATGTTCCACCCGGGTGACAGCTCTCCCGGGTCCACCCCACTGTGGCGGACGTCTCCAA	4
wt-108960-109080	904	CAATTTGTATTGGAGGAGCAGCTGGTAGAAGTAGTTGTGCCGTGGATTGACGAGATGTTGACTGGACCCCGTCTTTAATACCAATGCGCCCGCATTTTCGTTGGTCCGTCATTA	4
wt-109080-109200	905	CGTAGAGCATAGACTCCACCCCTGTTGGCAGCTAGGCTGTCTGCCACAGGTCATGACCGGGGCCAGTTTGGCCTACGGACATCTTAAAGATCCAGGCCCTCATCTGCGTCAACA	4
wt-109200-109320	906	GATAGTACCCTCCGAGGGCAACCGCCATCCGGGACGTAAGTCCACGGTACTCCAGGACGAGTATAGAATTTGATAAATCTGATAAATGACCTCTTGCATGGCCTTGTAAAGGCGAGT	4
wt-109320-109440	907	ATGGGTAGATGGGTCAAATTCGACTTGGAAAAGAGGTAAGTGAAGCGGCACTTAATCTCATAAATGCAGCTCCGGTGGTGAACAGTATAAAGTCTCCCTGTGACTCCACATTTGACGC	4
wt-109440-109560	908	AAAGATCCAGAGACACCCAAAAATGCCATCCGTGGGACTAATCATAAAGCCAAATGACGGTTGGCGGATGCGTCCCGCAGATGAGCTTACAGACAAATGTCCTTGACCGTCTCCTCAC	4
wt-109560-109680	909	ACCGCAGGCCAAAGGCCACAGGTCGCCCAAAGTAGTATTGTGGAGATGGGAGCTGGCTCAAAACACCTTGGTGGGTCCATTTAATGGTGGAGAGCAGCTTGGAAAGAGAAATTTATGC	4
wt-109680-109800	910	CATTTGCAATATGTCCACATCAGGTTCTCAGACTGCCCCCTGGTTCATGGACTCCACGTCAGAGCAGAGAACAGTCTCTGCTCGTGGTGGCCTCTGTAGCCCCAGTAAATGGATT	4
wt-109800-109920	911	TCAGGGAGGACCGTCTTGTCTCATCTCTTGGACTAACGAGGAGACAAAGTACAGAAGCCAGTTTACCAGAGAACTTGTATTTGTTTACAGAGGCAATAGAGATAGACAAAGC	4
wt-109920-110040	912	GCATGGCCGGCATCTGAGGTGGACGGTCAAGGTTACGGACAAAGGCCCTAGTCTCCGGACTGCGGAGGAAAGCGGGCAACCGTGTAGGAGGTCATCTCCATGGGATCCTCGAGCTCAT	4
wt-110040-110160	913	CCACGTCGGCCATCTGGACCAAAAGTCTGCTGCCAAGAGTTCAGCTACCAGACCTGGAAGATGAGGGTGTCAAACCGTGGGCGACAGTTGAAGAAGTAGCTCTCCTTGAACCTCTTT	4
wt-110160-110280	914	TTAAGGCTCCGACACCCTTGGGCTGCAAAATGCAAAAAGTAGAGCGGGTGGATCGGTCAAATCCATGTCAAGGTTGGGGTAGGGGATTTTGTGGTGGAGTCAAGGAGGTGCATG	4
wt-110280-110400	915	ACCTCAAACAGCACACCTTTGGGCTGCAAAATGCAAAAAGTAGAGCGGGTGGATCGGTCAAATCCATGTCAAGGTTGGGGTAGGGGATTTTGTGGTGGAGTCAAGGAGGTGCATG	4
wt-110400-110520	916	ATACCATAGAGCAGCGAGTAGCGGAGCTGCAGATCCAGGCAAGGGCCGCTGCGCCCCACGGGGCCACACGCCGAGGGGTGAGGATGTGCCAGCCCCCTCAAGATGTAGCAC	8
wt-110520-110640	917	TTGCTCAAAGGACAGAGGGGCTTATAGGTGCTTGGCTATAGAAAATGGTTCCTTGCAATAGAGGCGATAGAGCTCGCCGCCCTTAGAAGACTTTAGCCGCACATCCAGCATCTTG	4
wt-110640-110760	918	TTGCGGTGTTGGAGGGAAGCAGTCCCAATCAGTCAGGACCAAGCTACCCATGCCACATGGTGTCTGTAATCCACCAGGATGTTGCTGGGGCTAATGTCCGAATGGAAGAGGGCC	4
wt-110760-110880	919	CAGTGGCATTGCAAAAGTAAACGGCATCTTTGAGGCCCTGAAAGCCCGCACAGGGGCTCAACTACCATCCATGACGAGTGGCCATAATCTGGAGACTGCATCTGAATCGGGCCG	4
wt-110880-111000	920	AACAGGGCTGGCAGGACGTCGACGGCCAGCAGTAGTCCACCCAGGCGCTCTCGGCCCTCTCGGCCCTTCCCAATCTGAATCATGTACACACCATGAGCTCGTGAATACAGC	4
wt-111000-111120	921	TCCGTACAGAGTCATAGAGTTGACCGTGGCATTATCTGCATGTGCATACACGGCCCGTAGCTCCCGCCCGCAGCAGATACTCGCAGGTAATGGGGAGGTGATCACAGCGGTCATG	4
wt-111120-111240	922	TTCTCCGCGACCTTACATAGAGGGTCTCCGTGATGTCATCAATGTTGGTCACTTCAGGTGTTTGTGCTGAAAGGTGAAGTAAATCAATGACAGTCACTTCCCAAAAAGGCCCTGGGTC	4
wt-111240-111360	923	TCTCGAGGGGTTCTGGGGAGACACTCAACTCGCCACTGCTGGAGGAGTTGCTGGGCTCAACTCCCGACCCATATTCACATCCATGTTCTCAAATGGCTCGAGGGCCTGTGCGAGCTC	4
wt-111360-111480	924	GTCTCTGGCCTCAAGCTCTGCTCAGGAGCTCTCCACCCGCTAGCTGCTGTGATGTTGTTTGGAAATGAGTCTTGGTGGCGGTGACCACCTCTGATAGGTAGAAATAGCTG	4
wt-111480-111600	925	TTGGACTCAAACGTCTCCCTTGCCTGGCGCAGGGACTCAAGGCCACCCCGAGCAGATGAAACTGTGTTTCAAACAGAGCGTGGTCCCTCCCAATCTGTCAAGTGCCTCACAGCCG	4
wt-111600-111720	926	TCTCTTTTCTACCAGGCTCTTAGTTGCTGGGCCACAGATCTCGCTTAGAAGTACTCATCTTATAAGTACCATGTCGCCAATGAGAGCCAGATCATAGTGGGGTAGAGTACGG	4
wt-111720-111840	927	TAGTCCAGTGGAGGCTCCCGGTAATTTCCACAGGCTCCACCATATATCTTCTGCTCTCCGTTAGAATTAGGCAAGGATCATACGTGTCACCCGGCCTTTTACTGAGCGTTTA	4
wt-111840-111960	928	GGTTTTGTTATGATAGCAAGCACAAAAGGCACACACGAGTGATGCAAAAAGGTTCTGAGGCAGCAGGAGAGCTGTTTGGCATTATTCAGGGCGCTAACGTCAAAAGGAGGAGCTA	4
wt-111960-112080	929	TATCTCACCTTCCAGTCAAGCAGCTCAAAGTACAGGGCATAACACACCTGGTGGGTTGCCAGGAATGCTCTATGTTGGCAGATGGTGTATAAACCCAGTGGGTAGCAGAATAG	4
wt-112080-112200	930	GGCCCCTTTTGCCCGTGGCCGACGTAACAGCAGTGAAGCTCTTCCGAGTGGGACCTGGGGCCGTAGAAGAGGGCCACATCCAAGGGAGTGGGTCTTCAAGGACCCAGGAGGTCCAGG	8
wt-112200-112320	931	TTTGGGAGTGGCCAAATTTGCAAGGCCTGACCTATAACCTCATCTTTGTTCCAGGCCAGCGCAATTCGCATAAGTCCCCATCAAACACCTCAAACACAGACCCATGCCATTTCAG	4
wt-112320-112440	932	GCTGAGAGGGCTCCATCCGGCTCGACCAACCTTGTCCACAAACTGCCATTCTTCTGGTAAACGGGGTGGAGGGCAAGAGCTCAAAGCCAGGCTCGAGAAGTCATAGTCATCCTCGG	4
wt-112440-112560	933	CCACACGGCCGAGCTCCGGGCTCGTCCAGGGCCTGTTGCTCGGGGAGGATATTGACACAGAGAGGAAGCTTGGAGTGGCGTCCACACAGTTAAATGCTCGGGCGTGTCT	4
wt-112560-112680	934	GGCAGGCTCCAGTGCAGTCCAGACTGCCATACCTGCGGGCAGCATCGGGTTCATCGGGCATATCGCCCTTACCAGGCTTGAACATGCTGTATGCTCGCAGCGCGGCTGTGA	4
wt-112680-112800	935	CCGAGAACCCTAAGAAACGCCCTTCAAGCAGCAGCACACCAAGGCTGCTGGGTGCCGAGACCCGAGTATTATGTACACAGGGCCAAAGTCAGACAGGTTGGGCTCACCCCTGGTGG	4
wt-112800-112920	936	GCACAATTCAGCCAGTAATTTATTTGCCAATGCTTCGAGCATACTGCCCCACTATGGCCCCAGGCCGTTTGTAGCTTCTGATGAATCATTACCATGTTGGTGGCAGCCCTG	4
wt-112920-113040	937	CCCTTACACCCAGTCCAGTCCAGATGTGCTACTACCAGAGCTACGCGACAGTTACAGCGCTGCTGCCACCACCAATCTTGAAGACTCCGAGGCTTGCAGGAAATCAAGACCA	4
wt-113040-113160	938	GCGTGTCTCTGCCGTGCCATCCTTGAAGACCCCACTTTTGGAGATGAGAGATTTGTACCAGCCTGGCCAGCTTCTGAGTGGTCAAGTACAAGCACAAGCCCGCCGCTAGAAG	4
wt-113160-113280	939	CATTCAGAAACAAGTAGTGTATACCTTTTATTTCTGATCTCAATCAACTTTAGAGATACAGACACCATGTTGACATCTTCAAAGTGTCTTGGATTGGAAGAAATGACGC	4
wt-113280-113400	940	TGGAGAAGCTGCACATTTTAAAGCAAAAAGCCAGCTGTTCTTATCCCGAGCCGACGCAAGCTGGATGCTGGCCATCATCAGCCTATCCTCGAATCTCTCCAAGTGC	4
wt-113400-113520	941	AAATAGGCTACGTGGCTCACGAAACATGTCGCGTCCGCTTTTCACTGAAATATTGACACCTTGAACAGAGCTTCAAGCTTCAAGCTGAGAGTCAACAAGGAGACAGCACCA	4
wt-113520-113640	942	TCACGTTTAGGCACAGTGGGAAATCTCCAGCACCGTAATGTGTGCCACCTGCTTCAATAAAGATGTAAGACCTGACGTTTCACTACTTGGCAATGTAGAGCATAGCCCGCTGTAAG	4
wt-113640-113760	943	GTCAGAAAATCGCAGCAGGGTCCAAGTTGTGCTGTACATGGGACCTTTCCTCATTAGCAAGAACCCCTGCAGGACACGTCATGTCGGGTGCATTTGGTGGGTTAAATCTCAG	4

wt-113760-113880	944	TCCCACCACAAAGGGGGCATCTCCGGTTTGAACATCAGACCCAACAAGCCCGATGCCAGTTATGGGTACGTAGTCGTTGTTCCAGGGCCGTGCATGGCAGCAGACAAGGACAGGTGCC	4
wt-113880-114000	945	AGATGTGCCTGGGCTATCGTCTCCGTCACGCCACGCAGGATGTTACAGTGGGCCCCGGCCACCATAGCATGTCACACATTCCCCTTATCACATCTGGTTAGCAGGTTGATAAAATGGGT	4
wt-114000-114120	946	CAGTGATGAAAGGTTGGCATAATGGGGCAGCAGCATCAGCATGTCATGTTAACGAAAAACATGTACAGGGCCCTTCTGCATACCAGGCACCACCCCTGCCAGTGGGATGATCTCCGA	4
wt-114120-114240	947	GGGTGTGATATCTTGCAGTCTTCTACTGTTTAAACGGCGGTTGAGGTGGTAAAGACGTGGCCCGTGGTCAGATCTGTGCAGGTGACTACAGGGTTACCCCTAATCTCCACAGGCACCCG	4
wt-114240-114360	948	CTCACCCACTGCATCTGAGAATACCCCAAAGTACATGAGAGTACAGGCTGTGTGGCCCTGGACTGCCTTAGTGAAGAGAACCTCGGGCCTGGCCACGGTGGCTAGGGTTCATTGATGTA	4
wt-114360-114480	949	GACGGTCACATAGGTGGGCTTCTTGGGCTTCAGCACAATGAGGGTAACATTCATGTAGGTTTAGGAGTCCGGCTATCTGAGGCACGTACACAGCTGACACGGCGGTTGGCCGT	4
wt-114480-114600	950	ATAGACTTTTCACTGGGGCGTAGAGCATCGCTCAGCACCCAGAGGCACCTCTTGTGAGGAACCTGTCGAAGCTTCCCGGCTACTGTTCCGGCCGATGCCATGACCAACATAGAGAT	4
wt-114600-114720	951	ATCCCTCTCCTCGGGGGTGAAGTGCCTTAAATAACAAGCCCCAGGCAGCACCACAAAATGCCTGCCCTCCGATGTGGTGGCCAGGTGGACGCAGTGCCTGTCAGTTCCAA	4
wt-114720-114840	952	GGGCTACTAGCTGGGAAGCAGCCCAACCAGCCACCCGGGGCCGTGGAGTGCATCACCCTACCCAGGCCGAGGCCCTTCTCATACAGCGGGTGGCTATCTATCCATAGGCAGGCAT	4
wt-114840-114960	953	CCGGCGCTTTGGTGCATTGGAGATAGTAGCTTTCACCCAACAACCTTCCCAACTAACCCGTGTGGACAGTGAAGAAGCCTTCCCTGATCAGGTCTGAATTTTTATAGATACGGGAGT	4
wt-114960-115080	954	AGGAGGTGGGAATAACAACCTGGGATTTCTGTTGTGCTGTCCAGGCCCTGCATGCCAGTTTTTCCCTGAAGCTAGCAGAAATCTGAGGGCCACTGAAATGAGGAAGCGAAACTCCCTCT	4
wt-115080-115200	955	CTGGAGCTCCCAAAATGAAACCTCAGCAAGATCTGTTGCTGGGGAGGCATGGGTGACAGCTGTCCAGTGTCCGCTGGGCACTGAGCTGCCCTGGGCACTCAGCTTGGATATGTGACAACATAGAG	4
wt-115200-115320	956	CGTGGGGGCTAAAAATATGAGCAATTCCTGACCAGGGCCCTGGACTCACGAATGGCCGACGGGCTTATAGAAAGAAACAGGCACCCTCGAGAGTGCCTCCGACCCGACCCACCCACAG	4
wt-115320-115440	957	TGCCGCCAGTCCCTGCTGGCCTCCGCCGCTTCCCCACCGGCGCTCCCCGGATGTTGCTGGGGTTCGAGGGCTGGTGGTGGTGGACACAGAGGTCTCAGCAGCCGCTTGGTCT	8
wt-115440-115560	958	CGGCCCGGCCCTAAGTCTGAGCCCAAGGAAAGGGCCGACTCCAGCGTGGCCCAACCTCTGCTCCCTCTATTCTCCTCTTGGCTTATCTCCAATAGAATTTGCTTGAAGTCTATCCG	4
wt-115560-115680	960	CCTCTGTATAAGATGCCCTCGGTGAGAGCCCTTTGGCCCCCTCAAAGAGAGACAGGTAATAAATCTGTAGCTCCCAACCAGCCCTCTCATCGTAAAAATCGAAGGGCGGCCACGT	4
wt-115680-115920	961	GGAAGGGGTTGAGAGCTCTGGAAGGCCCTCATCGCAGTACACTGGCACACTGGTAAACGTGCCCGATGGCTAGGCCCTCCGGGCGAGCATGCCCCGAGCAGCAACACCGCGCAGACCC	4
wt-115920-116040	962	TCGTGAGACCCGTCGGTCACTGAAGAGAGTCTGGCACCAGGCCCTCGCAGTGGTGGCACGCGATTGGGGCAAGGCTCTGCCATAACCGTGTCCGGAACAAATAGGTGCACGAGGAGGG	4
wt-116040-116160	963	GGTCCCGAGGCCACTCAACACTTGGTTGCAATGTGGACATCCATAGCTCTCTCATGCGTTTGGCTACAGCATCATAGCGCTTGTCTTCTGGTGGATTTAAATAACAGGGCCCGCTAGAC	4
wt-116160-116280	964	AGTCTTTTGTGAGTAAATAGAGATGATGACATGGATGTAGAGACTGAGGACCACATCCACACCTTCTCGGAGGAGGCCCCCTAAACAGCATCAGGCAGCAAGGGAACACAAAGGAAAC	4
wt-116280-116400	965	CAGGGCCGGGATGTGAGGCCCTCAGCCGCCCTCCTGATCAAAGAGGGCCCTCGCTGACCCCGGAGATGACATTCTCATTAGAAAGTGTGATAGAGGTGATTGACCACAGTCTTAACCG	4
wt-116400-116520	966	GCCCTGGACTTGTTCAGGCTCCACTGTCGCCGTGGTCTGTGCTTGTCCGATTCGAGTCCAGGCCCTCAGCCCGGCTGGAAATGCGGGCCGATGAGTTGCCTGTAAGGGCGCA	4
wt-116520-116640	967	CACCACTCCCTCATGGGTCTCAATCAGGGTGCACCTCGTGGATCCATACATACAGTGGTACTCGCCACAGCCCAAGCAGGCAAAACAGGAGGCCATGCTCTCAGGTAACGGGAGATGGAA	4
wt-116640-116760	968	CTCCAGCTTACTATACGAGCACAGGTGGCGAGGATTGGGCTCATCGTGGCCCTCCCGCGGGAGGCTCAATCGGCTTGGTCTGACATTCCACCCCGCCAGGTCCAGGAGGGTG	8
wt-116760-116880	969	CAAATATTCTCCAGGCCTGCACCTCAGAGACCTCTGCTCAAAGAGACCTCCACCCGACAGTACAGCAGGGCCACCGTCCGGGGAAGGTGAGTGGGGTCCAGCTCAGCAATTTCTCCA	4
wt-116880-117000	970	AATTTCTCTCCCAATAGTGCCTCGCTTCTTATCCTGTCTTTCAGAGCATCCGGGGGCGAGCAATTTACCTCTTGTGTTGGACGAGGCTAACTTTATCAAGAAGGAGGCCCTGCCGGC	4
wt-117000-117120	971	GATCCTGGGCTTTATGCTTCAAGAGATGCCAAGATATCTTCACTCGTGTGTAACCTGGCTGACCAAGCCACAGCTTTCTTTATAAGCTGAAGGATGCTCAGGAGCGGCTGCTGAA	4
wt-117120-117240	972	CGTGGTAAGTTATGTGTGTCAGGACATCCGGCAAGATTTGACATGCAGGACAGCATGGTCTCATGCCCTGCTTTCGCCTGCACATCCCGTCTACATCACCAGTGAACACGGCCACCTCG	4
wt-117240-117360	973	AGCAACCACCAACCTCTTTCTGGACGGGCTTTAGCACCGAGCTGATGGGTGACACCTCTCGTGGACAGGGTAGCCTGAGCCGACTGTGCGTGCATGCCATCAACCAGCTGGA	4
wt-117360-117480	974	GCTCTGCCGGTGTACACCCTCAACCCCGAGTAGCCGGACGCTAGCCTCCTCCCTCTACGTGTACGTTGATCCGGCCTATACCAACACACATCCGCATCAGGCACCGGAATCGCCCG	4
wt-117480-117600	975	CGTGACTACGACAGGGCCGACCTAACAGGGTTCATCGTCTGGGCTGGAACTTCTTCTCAAGGACCTAACAGGGGACGCTGCCCTCCAGATCGCCACCTGCGTCTGGCCCTCGT	4
wt-117600-117720	976	CTCCTCGATCGTCAACCCTGCACCCCACTGGAGGAGTGAAGGTAGCCGTGGAGGCAACAGCAGTCCAGACTCTCGGTTGGCCATTGCCTCAATCATTGGGAATCCTGCCCTCCCT	4
wt-117720-117840	977	CTGGCCCTTGTGCACACCAAGGACAAGACGTCAGCCTGACGTCAGTGGCCATGTACCTCCTGACTAATGAGAAGTCAAGGCCCTTGAAGGGCTCATCTACGCAGTGAACACGGCCAGCCT	4
wt-117840-117960	978	TTCTGCCAGTCAGGTCACCGTCTCCAACACCATCCAGCTCTCCTTCGATCCGGTCTCTATCTCATCTCCAGATCAGGGCCATCAAGCCCATCCCTCTCCGCGACGGTACCTACACCTA	4
wt-117960-118080	979	CACCGCAAGCAGCGCAACCTCTCTGACGACGTGCTGGTGCCTAGTGCATGGCTCATTTCCTGCAACAACACAGAAGCAGCTTCAAGAAAGTTCATTAACCTTTATTGACTACACC	4
wt-118080-118200	980	AGTCCCTTGTAAAGCGACGGTCTCGCTGACGGCATTGTCGAGCAGGGCTTCTGTCAGGGGCTTGTCTTGGCGGACATCATTAGCCAGCCGCAAAATCAGAAATAGCATCAGAAAA	4
wt-118200-118320	981	GTGAGCCCAACACAGGTCAGAGAGGAAGACCCTAAGATAAAGATGGCTGCTCTCATCTGGAACGGTGGGAAGCTCAGCAGTGTGTTTTGTGGCATTGGACGTCCTTTGGAG	4
wt-118320-118440	982	GACAGCGTGGGGCCAAAGTGGTAGCCGTTGGTAATACGGGTAGTAGCACTGGTGGTGGAGGAGGACCTGGTGGTGCATTTGCTAGTGCACACCCGTCAGGGTTCCTGTTCCCGCCTCGGTG	4
wt-118440-118560	983	GCAGTGATGTTCTGTGCAGTAACTTGTGGTGCATTGATGGTGGATGCGTTGGAAGTGTGGGACTGGTGTGACAGTGTCCAGTGAATGTCACCGTGGTGTGTTGGTGTCTCAGA	4
wt-118560-118680	984	ATAGCAGTGTGGTTATAGGGGCGTAGTGTGGTCAAGGTGCTAGACTGGTGTGCTAGGACCCGATGCCGAGGGTATGGTGTAGTGCACAGCCGTTGTGCTGTACGTTCCCGCC	4
wt-118680-118800	985	GAGGGCGTGAAGTGCACATAGATGTCAAATAAGGCTTGTCTACAGATGAGTATCATGGCCATAACAGCGCCTGCTTGTCTTGGCGTGTGCCATCGCGTCTGGACGAGAAAGGCT	4
wt-118800-118920	986	CCCGGCTCTTTTATAGCTAGTCTCCACCCCAACTACTACTGAACCATCACATACATGACCTCCTCGAGGTATGCAGGGAATGAGCGGTCCTGAGCCGGTCAACACGACATTGCTTC	4
wt-118920-119040	987	CGTTTTATGCCCTCAGCTGCCCTGACCAGTTAGGACCTTGTGCGGATGCTTTAACGGCGCGGTCAGTTGCTACCAATGACGGCCCTAAGGGCAACACATCCTTGAAGCAGGGCGTA	4
wt-119040-119160	988	GGAATGGTACCAAACTCGGGGCCACCCATCAAAGACATAATATGTCATAGTGGCAGTGTGATGCATCACCACCACAGCACTCGCCAGGACCCTCTGCATATCTTGTACAAGGCGC	4
wt-119160-119280	989	CTTCAACTCGGCCACTGGCTCTGGTGCATTAATGTCTGTTCTTATTAGTACAGCCTGTAGATTGGGCACCCAGACTCAAAAAGTGCAGTACATGAAGGGCAGCCGCTCAAA	4
wt-119280-119400	990	CCACCATGACCCCATGCTGTCCGTGTTGTTGGGGTAATAAGTCAACATTGTAATGACCACGGCCGGGATAAGGGTGAACCTTGCAGAATGGATTGGTCCGACACCCATAAGACAGG	4
wt-119400-119520	991	GGCACCCCAAAATCAGCCCTTACCCCGAAGCACCTTGGCCCCACCCGGCATAAAGCTGGGCAAAAAGAGTGGTAAAAACCAAGGCGAGTAGGGCCAGGAACGCCAAATAGCAGCAG	4
wt-119520-119640	992	TAATAGATAAAAACAAAGCTCAGCATGAAACAGGTGGAGGCTCAGTAGGCTCTGCCCTCCATCATAGACTTCCCTTGAATCTCATTCTCAGCCATACCTCGCTTTCATC	4
wt-119640-119760	993	CAGGAGGGGCGCATGGCTGCCATTCTACAGTTAACGAGGAGAGAGAGTAGTCCGCGGAAATGGTGCCCTCTCTGCCCTCCTGACGAGCCCATGGTGCATCCATCTCCGAGTC	4
wt-119760-119880	994	CGTCTTCAGCTTTGGCATTGGTCCGGTCCGGTGGTCTGATTTGATTCTGATCTGGGATTGGTCTTGGTCTCTCTCCCCATTGGCATGGATTGGCATAGGTGGTGTGGCTCA	4
wt-119880-120000	995	GGCTCAGGTTCCGGCCCTGGGACGGCAGCAGCCGCGGACGGTGAAGTCTGGAAGGTAGAGGCCCTGCCCTCCGAGGTCTGGGGCCGGAGCCCTTAAAAAGACTTCCACCTCTCC	8

wt-120000-120120	996	CGGCTGGCCAAGACACGCCGCTCGTGGACCACGCCATCTTCTCCCGGCTGATTGTGTGGCTGACGGTGCCTGTTCACCGCCACTTGTTCATCGACCATGGTACCCCTTTATCTTAA	4
wt-120120-120240	997	CCAGCAAGTGGCCGTCAGGGTCTCTTGAGAGTATGCCGCTGTGGCCAAGCAGGCCCAAAATTAATAGTGATGCCAAAGACTGTAGGTAGGTCAATCATCACACGCATGCGTGATAAATC	4
wt-120240-120360	998	ATCCGCCACTGACAGGTCATCCAGTCTATCCGGCTATCTCATCCGGCACCATTTCTGGAAGAGATTCAAGAGGTCGTGATGCTCATGCCGATAAAGCCCTCGACCAGGGCCATACT	4
wt-120360-120480	999	GGCCCTGGGCAGCAGGGTCAACATGATGCAAAAAGTAGAGACTCAGATTGTCCAGCAGGGCCAAGCCAAGGGGCCCTGGCACCTCCGGGAGGGCCAACCTCGTAGTGGTGCACAGGATGA	4
wt-120480-120600	1000	AACAGAGCCAAGATGCATGTGTACATCGAGCATGTCTGCGTTCGCCGGAGCCCTGCATGACAACCCGGGAGTACAGTAAACAGGAGAATCTTTCGACGACCTCCTCTGCTATGGCCGT	4
wt-120600-120720	1001	AGGCAGCACCTGGGAAAAAATGTCCACATCTATTGGACTTAACCTACCGTGGCATGCTCTGCCAAAATCCGGGGGCATAACACTGAGGCTCCCGTCCCATGCCATGGAAAA	4
wt-120720-120840	1002	GGGCTGTACTTGTCTTAATGGCTAGCTGACTGACCTGAGCAAACTCTGGTGTAGTATAAACTGTCCAGCAGCCAGGGTGAATCAGACAGGTAGTTGTACAT	4
wt-120840-120960	1003	GGACACGTAGTCCGGACCGTCTCTAGAGAGTACACCTGACCCAAGCCAACTCCCTGCACATTCTGCGTCCCGTGAGTGAAGCCAGGGGTAAGATGCAGCCAATCCTCTGTTGCATCTT	4
wt-120960-121080	1004	GGCAATCTCATCGGTATACAGACGAGAGGAGAGACACTACCACCTTCAAATCCATCTTTATGACAATATCAAAAAACACCTTATTTCAAACCTTAAATATTCTCGTACCCGGCGC	4
wt-121080-121200	1005	CACCTCTCAATATATAGTGTCCGTAATGGATGGGGCGTGGGTCTGTTTGACAGACATAAACTCATCGATGAGTGCCTGGGAGGAGGCTGAGAGTGCCTGGGAATGCCCTCGACAGAA	4
wt-121200-121320	1006	GCTGCAGGGCTGCTCCAGAAACACGTCAGTCCAGCACTACTACAACTGCACCTCTGTGTTGCTGGTGGTGGCTCCCAAGTCGCTGGCTGTACTCGTTGACCATGTTGTAGAG	4
wt-121320-121440	1007	TCCCTGTTGTTGCGCAGAAAGCTCCTCTGTTGAAAAATGCCCGGAGGGCTGTAGAGCCCGGACGGCCCTCTGGCGATAGGAGGAGTTGTACATGATGTACCCACAGAGAACCCAG	4
wt-121440-121560	1008	CTGAGATGCCAGGGATTACAGTGTCTCCGGTATTATAGGGCCATCCGGGCGAGAATGGTCATAGATGAGCCCTCGGCAACCTCCTGATTGTAGTTTTACAGGAGACACACAGGC	4
wt-121560-121680	1009	GGCCCGTCCCTTGGAGAGTTGGACTTTGAAAAAAGCCAGCTGTCCGCTGACCGGTGACGATAATCTCACAGTGGCTGCTGGCCGTGGCAGAGTCTCGAGCTCCATTACATT	4
wt-121680-121800	1010	AGTCATACCTGCCAGGTATGCTCGGGTCCCGAAGCAGCGTCCCATTTGCGCTGAGCGCCACCTTGGCCTTGATGTAGTCACTGACTTGTGTTGCCAAAGGCCCTCGCCGGAAGAG	4
wt-121800-121920	1011	GCTAAAGAAGTCTGGGTGTGGATACCATGTACAGTGTGATGGCCGCCACCTGGCCGGAGTCACTGTCGAGCTATAACTAAGCCCGGTGTCGATGGAGGCCATCTCGTGTGCACCTC	4
wt-121920-122040	1012	AAAGGTTACCGCTCCACCCTGGCCTCCCGGGGCTAAACATTTGGGTGCCAATGAACATGATGTTGAGGCCCTGGAGCTAAACAATATGTTTTAGAGAGGATCTCATCGGCTCGAC	4
wt-122040-122160	1013	CACGGTCACTGGCCACCCTGGGTGGATCTTGTAGCTGGCCTGGGCAATATAGGCCATGGGGACATCTTGTGTCATGGCGGTCATTCCACTGATTGAAACGAGGGAAGGAAGACATTC	4
wt-122160-122280	1014	GGCCGCTATTTGCCATGGGCGAGCGGTGCCACTCCCGTACTCTGCAAGAGCTGCTGTGCCGGTGAAGGCTTCCACGGCCCGTCTGCTGAGGATTGCGCATAACAAGGTGGCAAC	4
wt-122280-122400	1015	ATCCTGTTGCATGTTGGCAGCCACTGCGGGTCCCGTAAAACATATGAAAAGGAATGGCGTAAAAGACACTGGGTGACGGCCCGGCTCTCGGAGAAAGCCAAAGGCCACAGCC	4
wt-122400-122520	1016	GTTACCAAAAACAGTCTGCTCTGCTCCGCTTGTCCGGGATTCCGGGCGAGTCTGCTGCTAACGTCATTGTCCACCGACACACGCACGGCAGGGTGAAGTGGGGCAGGTCAATGAATGA	4
wt-122520-122640	1017	GGCGCTGAGTCCCTGATATGCCACCGGTGGGGCGAGGATCCAGAGATCCCTGAGCGTCCCTTCCAAATTTGTCGAGGATGCTCGTCCCTGGTAAAATGGTGGCT	4
wt-122640-122760	1018	GAAGGCTGCCCGTGTAGGCCAGGGTCTGGGCCACGTGCTGAAAGTCCACCCGAGGCGGCACATGTGGGATTGGTGCAGGTTGGGAGGAAAACCTAGTAAAAGATCTTTTCCAGCAC	4
wt-122760-122880	1019	ATCCGATGCCCTCATCTACATAAGGGCTAGGTGCAGACGGAATCGTGGTCTGCTCCGTTAACCCGGTAGCCGTACAAGGCCAAAATGGGCGCCATCTCATCCATGTTTCC	4
wt-122880-123000	1020	AACCTCTCAATAAACTGGGGCGCGGCCAGGGTGTGAGCTGAAACCTCATTCCGATAATAAATCTGGGGGCCCGGCTACTAACGGTGAGAAGATTGGGTGAAAATGTCTGTGAGGCCAC	4
wt-123000-123120	1021	CGGGGGGAGCAGGTTAGGTTCCAGGAGAGCCGACACATACTGACCCAGCTCTCATCCCCACAACATCTGACCCGGCCAGGGCCATCAGGGCCCTGCTTAGGGCTATAAGTTCCCCATA	4
wt-123120-123240	1022	GATTTTCTATACATGGAATAGCCCTCCTTGGAGATGGCTTATTTCCAGTGGCGGACGATGAACCTGATCATGAAAAAGCTGTTCAAAAGGCAAGCCTCCCTGACCGTCCAGTA	4
wt-123240-123360	1023	GGTGTGATGCACAGGGACACCAAGGCACGTTTATGACAAAATTTTCCCTCAAACCGTGATCATAGCCCTCGACTACGTAGAAGAAGGCTGGATAGGCGAGTGTCAATAGGCAGTATCCCTG	4
wt-123360-123480	1024	CACAGTCTCAATAACGGCTGATCCACCAGTGGGCCAGAGATGTGGCGTCTCAAACCTGCTGCCCGGGCTCTTGGAAATGCAGCTGGGGCCAGGGAGTGGCAGGTTACCCACCAT	4
wt-123480-123600	1025	TAGCCGGTGCACAGCCCTGTGCTGGCCCTCTCCCGGCATCCCTGCCAATGTAATATCATAAAGGGGGTGCAGCTCCAGCCGACGAGGTCAAAATGGACGGTGGAGGAAGTCTTC	4
wt-123600-123720	1026	GGTGGCAGCCCGCACTTGAAGCTATATCTGTACGGGGGCTGCATACTGTTATCATAGAACTCGTCCACAATAACAAGCACCATTATGATTGGCCCTCCTGTGTTGCAGGGAGTA	4
wt-123720-123840	1027	GGTCTCGCGCTGTCTCGCGGGCCGGGGCGCGTGTGAGGCTGTTTAGGGTATGGCGGGTGTGGAGTGGGGGTGACAGAGAACCCTGAGAGCATTCTGTAGTTAAACCGGAGGAG	4
wt-123840-123960	1028	AAGGTTATCTGTTTACAGTCCATGCCTCCACCGTAGCTGCTGTGGGGTGTCCAGCATTTTGTGCGGGCGGAGGTCGTGTACTTGGATTGGGCATAAACAGGCCACTGGGAA	4
wt-123960-124080	1029	ATAGTAGCTGACTGCATTCTCTGTTGAGGGGATGGGGACTGAGTGTATTGTACATCTTTTGCAGGCTTCCACGGCCACCGGCTGGTGGCCAGCTTGTGACGGCGGCTGAGAT	4
wt-124080-124200	1030	CGGCACCCGGGGTGTCTCGACCCCTGCGGCCACAGCCGGCAGGTGACAGTGGTGTCTCCGGCTTTTCCGGTGAAGTCCAGATCCTAGCCATGAAATGCTCAAACGTACGCATCAC	4
wt-124200-124320	1031	GCGCCGATGCTACGGCAGTGAACAGTCTCCCGCCGTACCACAAAAGAACATAGCTCGAGGGCCCAATCTGGTGTGCGCCCTCCTACCCAGGAAGGTCAAGAGCTGGCCGAG	4
wt-124320-124440	1032	AACGTTGTCGGTGACAATAACACCCCCCACTGGCTCTCCCGCTGGCGGTGCTGAGTACTGACCCCTTGGACAGCTCTCCCGGACACGGCCGCTACCATCTCAGAGAGACG	4
wt-124440-124560	1033	GCTTCGCACGTAAGAGAAAACCCGGAGCCCATGTTCTCGGCCCGTCCAGGAAGAGGAGTGTCCAGCAGATGCCCTTGAACATGGCAATGAGGTGACAGTGTGACAGTCTGGAGAA	4
wt-124560-124680	1034	CCCCCTCAGTGAAGGTGGGATCCGCCAGGGTCTGCAGGATAAACATGGGAGGGGATGGCGAAGCTTCACTACAGGACGGTGTAAATGAGGCCCTCTCCAGGGCATCGACCCAAA	4
wt-124680-124800	1035	CTGTAGGGCCGAGGCCACGGTCTTGACAGCCCCAGTACTTGCCTACTGACCCGGGCTCGGGGATACTATGCAGGATCTCCAGATCCAGATGGACAGTTCATTCCGTAATAAT	4
wt-124800-124920	1036	GTGGTGTGTTGGCAATTTTGAACCAATGAATGTCGCTGCTGCTGGTCTCCTCCGTCGCGTGAAGTGGTGGGACGGAGATTGCAAAATGAATCTGCCATCCGTCATACG	4
wt-124920-125040	1037	ACTCAGGCTTTGAATCCGTTTACACAGGACAGCCAGTGGCTCTCCAGGAAGCGAACATATTGGATGGCGTTCGTGTAGACCCCGAGTAGCACCTAAACTTGTGACCCGCTC	4
wt-125040-125160	1038	TCTGGCATCCTTGCACACAGCAGTCAAAGCTATGAAACAACCCCTCAGCCGCTGACTGCCAGGTTGAGAGCAGGTGGGCATCCACCGTCAAGATGGGGAAGGGTGTGTTTTCCAC	4
wt-125160-125280	1039	ACCCTCATTGAGGCCATGACACAAGGTAAGAGGGAGATGGGGGAGGCTCGAGGGCTTCTCTTACAGCTGGGTCTTTTACGCCCTGGCCTGCAACCCGAGCCACCCACACTTCC	4
wt-125280-125400	1040	CGAGGATGCTACCTTCTAATCAAATGGTTGGACAGGCCCTGGCCAGGGAGGCCACCTTTACCGGTGTCGGGCTATGCGTGGCTTCTACTCGCGTATCCGAATGAATGACTGCCA	4
wt-125400-125520	1041	GGAGCTGCCACCCGGTTAATAATTTCTGAGTCCGGGACCCGTCCTGGCCCTTGGAGTCCAGAGTCTGGAGCATAACAGACTGCCAAATATGGTCTCTGCCACCCCTGACCACGCTGC	4
wt-125520-125640	1042	CCACCTCCGGTGGCCAGGGTCAATCATAACAGGACTGCCCGGTTCCATAAACACAGGACTCAATGTTTCCGCTTATCATCCGCTACTTGTCTCATCCAAATTTGAGCGCTGCTTCCA	4
wt-125640-125760	1043	GCAGTCTTGGCGTGGTCCCGCTGCTACTTCCAGGACTGTAAGCGAACTGCAAGAGTGTGGCTCATCTGAATCAGGTTACCAGGATCCCGCTGCTCCGCTTCCAGCGGGG	4
wt-125760-125880	1044	GGAGGCCAGACTCAAGTCCACTTCTCTCTGGAGCACATTGCTGTGATGCCAAACAATGCCACTCCGGAGATCAGGACGAGGGCCGCCCAACCTCACCCACCCACAC	4
wt-125880-126000	1045	TCTAGTGATACTGTACCACGCTCTCCGACAGCCCAATTTCTGACACGACGGTGTCTATACCGCTTGTGACCTGTTGCAACTGCACCTGCCCAATATCTCCATCCAGCAGTG	4
wt-126000-126120	1046	CAAGCGCGGGACAGACCCGGGACCTGGAGATCACTTACAGAGTAAACGGCGGAGGGAGGCCCGGAGCTTCCAGTCCCCTCCTCCCAACTGGCTCCCTATTGCGATGCATAGTTGC	4

wt-126120-126240	1047	TGCGTCCCTGCTGCCGGAGGTGTCCTGGGGCACCAGGAGTGTCTCCGCTCGGTCCAGAAGCCAGGGAGGGCAGACGGATGTACAGTCCGGGCCCGGACCCGGCCCGGAGACTGGTGGC	8
wt-126240-126360	1048	CCTCTGCGAAGGGGAAGATGGGGCACCTAAAGACCCCTCTGGGACCGTTTGAGACCCCGGGGGCCCGCCCGGCCAAGAGCGAAGACGAGGAGTCTGAGCGTCGAGACGCCCTCC	8
wt-126360-126480	1049	ACCCCGCTCGATTCCAGTTCCAAAGCTTCCCGGTTGGTGCCCGTGGGGCCTGGGTTTCGCTGCTCGTGTCAACACCAATCGGGTATCAACACTAAATTTGGTGTCTCAGAGCCCT	4
wt-126480-126600	1050	GGTGAAGATGCCGAGTTTGAATGTCCCCCGCTCATCAACAACTTGTAGCCCGCAAGTACGTGGTAAAGAGACGGCGTTCACCGTCACTATTCTTACGGACGGGGTGGGGGCCAA	4
wt-126600-126720	1051	CCTAGCCTCAATGTCAATATCAGTGGCACCATCTGAGCTTCTATTGGCCATGACGTCACTCGGGTCTTCCCTGCTGCCTGTGGAGGCTATTTATCCCGCGCCGTGTCAACTGGAAC	4
wt-126720-126840	1052	GACTCTAGATCTCCATGGCTGGAAAATCAGAGCCTAGTCAGAGAGAACCAGGCGGGTCTTTTGGACTCCAACCTTTCCCTCGGTGTCTCCCGGGACGGTCTCAACGTGTCTG	4
wt-126840-126960	1053	GTTTAAAGCCGCAACTGCCACCATCTCGAGATCGGGCAGAGATTGGAGGACAGCAGCTGATCCCGTGAATCAACCCCATCGTGACGCATCGAGAGGCAAAAATCTACCCGATTA	4
wt-126960-127080	1054	CCGGCTCTTACCCTGCTAGAGCTACGCAATCGGAGTCAGATTCAAGTGTGCACAAGCGTTTCTGGAAGGCCTGTAGACTGCGCTCCCTCTGCGCTGGATCCAGCTGTATCAA	4
wt-127080-127200	1055	CGAATCGCCTCCGAGGGCTGTTGATTTTCCAAAGAGAAGCATCGCCCACTCCAAAACCGACACGAGTCCGGCTTCTGGGTACAGACATTCGGCGAACGTGACAAAGCTGGTGGT	4
wt-127200-127320	1056	AAACGAGCGCAAGACCCGCTGGACATACTGGCCCTAACGCTAACTTTTTAACGAGGTGTAAGCATCAGTTAATCTAAGACAGTCACCTATTTTCTGACCCCTCTGAGGCACATCCG	4
wt-127320-127440	1057	CCGAGCTGGGCTGGCCGTGCTTCCGTAACAGAGAGATTACCTTCTCTGGCCACCTGCGCAAAAAGACAGCCCACTCCACTCCGCTGATGCTCAAGTGAAGCAGCCCGGG	4
wt-127440-127560	1058	CCCGCTTCAATCAGGGGCCGTACCTGCCATCGGGACAGATTGCTTCCACACCATCCACGCCCACTCTTGCCTCGGGCAGTGGACTGCTGGGAAAAATGACCCATCCGGCCC	4
wt-127560-127680	1059	TCTCCGTGCTCGGGCTCAACGTCCTGAGAGCCTACCCATGACCAACATGAGGGCACCGATCATCTCGTGGCTCGCCTCATCTGGCCCCAACCCCTATATCTAGAGGGACAGC	4
wt-127680-127800	1060	TGACGGTGGGCATGACACAGGACAACGGCATTCCCGTGTCTTTGCCAGGCGCTGTCAATTGAGGTAAAAAGCGGGCTGAGTCCAACATTAAGCCCTCTCGCACTTATGATAGCAGAAG	4
wt-127800-127920	1061	ACTCTGCTGAATCAGATCGCCCTTTTCCGATCAGAGCACCCGCTTCTCCATGTTGAGTCCGTAACACGAGTCCGGGTGATGAGGGAGCAAAACCCCGGCGCACCATCCGGG	4
wt-127920-128040	1062	ATATTCTGGAGATCCCGTGTGCTCTCATCCCTGCAACTGTCTCCACCAAGTCCATCTGAAAAGGACCCGGAGCCCACTCCGGAGCCCAAGCCACCTTCGATGCCACCC	4
wt-128040-128160	1063	CCATGCCCCGATCTTTTACGACATCGGGCAGAGGTGCCAAGCTGGGCAATGCCCGCCGCGCAGTGCAGCAACGTGCTCATCGCCAACCCCTCCCACAACTCTAAGGCTGGTGC	4
wt-128160-128280	1064	CCAATCCGGACTGCTGCTCTCCAGCATTGTACCTCAAGCAGTGTGCTAAAGAGTCTGAATCTGGAGAATATAGTGCAGGACTTTGAGGCCATTTACCTCCCGCTGTATACCA	4
wt-128280-128400	1065	TCAGTGAGGCTGAAACCAAGGCTTTGAGAAGCTGGTGGAGCAAGCAAAAACCCGTAGAGAACATAGTCTTTGCTCAACAGCATCTGTCCACCTCTACACTCCAGATGTCTGCC	4
wt-128400-128520	1066	CCGATGTCAATAACCCAAACATTAGCCTGCTCTAGAGAAAGTATTTCTCATGTTCCCTCCCTCAGGACCATATAGAAAATGTAGATTCGCCACCCCATCGTCCGGCTCTGTGGCC	4
wt-128520-128640	1067	AAGGGGCTGAGCTTGGCACCATGGCACAGTTTCTAGGAAAGTACATCAAGGTCAAGGAAAGAACTGGAATGTACACACTGGTCAAGCTTTATACCTGCTGCGCATCTAAGGAAAAA	4
wt-128640-128760	1068	TAAACAATCTGTGAACCGAAGAGATACCAGAGCAAAAGCAATAAAGTACAGGATTTGCCAAAACACGTTGGCTTTTCTCATAACAGCCCGCAATTTCCATGACAGTCCGTTGG	4
wt-128760-128880	1069	TGGTCAGCAGCAGATAGTGAACGTGGAGTTGTCAAATCAAAGTGTGGAGCTCAAGATGGAGTTTGGACTTCTGGGAGTGATGTAGTTGTAGTTTCCAGGCCTTCTTTTCAT	4
wt-128880-129000	1070	CATAACTGAGCAGGCAAAAGCCACAAAAATGCAGGATTCTGCTGCTGGTAAATTTCTGGATCTTTGGAATCTGGCGGGCTCCCAGCCACAGCACCTCGCAACATTTATTCATTA	4
wt-129000-129120	1071	TAAACGGGGGAGAGAAAGAGAGAGCTGCTGAGATAGGTGGTGTGGCTCGTATAGCGCCAGGCTCGGACCTCAGGTCACATAGAGATTATGAATGTACATTTGATGAGCGGGATAATCA	4
wt-129120-129240	1072	TCAGAACTTTGTCGAGCCTGTCCACGCATTGTAGGGCGGGAGATGCCACGCATCCCTGCTTCTGCTCCAAAGAGAGCCGCCCAAGAAAACCCATCCACAGCATTGAAACGGCCCGCT	4
wt-129240-129360	1073	GGTCCAGCTTGCCCTCTGGGGGCCATGCTCAGCAGCTTGTCTGTTGAGTCAAACTGAGGCTGAGGTAGCAGGTCGAGAAAGAGCCCGCTCTGTGCCAGGGCTAGCCCGCGCA	4
wt-129360-129480	1074	AAACCTCCCAATCTCTAGGGCCGAGCACAGGGCGGTGGACAGCAAGTTGGTATAGGGCAAGGTTGGCCCTCGGTAGTCACTGAGTCACTCAGCCGCAACCCAGTGCAGCTGCGCA	4
wt-129480-129600	1075	TAAACAGGGTCTCTCATCAGGATGTCAGGGGCTGGAAAAGGGGTGGCGTTGTAGGCCAGAGAAGCACAGATGTGGCGCTCCAATGAGGCCACTGTAACCCCGGCTTGGGGT	4
wt-129600-129720	1076	AGCCGACGGTGGCTAACCTCAGCGCTACTCCTGTTTCTCAGTAGTCAAGTACCCAGCTCCTCCATCTGACCGTGGCCATCAGCATGGCGGCCAAGCGCTCCAGCCGTAGGATTGCA	4
wt-129720-129840	1077	TGCCCTTGACAGTGGCCCATAAACATATGCCGATGATGTCTTTCAGGACAGTCAAGTCAAGAAAGCTTTGGCCAACCCAGCGGAGTCCACGCAGCCATTGCCAGTCTACCCACAGCAT	4
wt-129840-129960	1078	GACCCACCTTAAAGAAGGCCACAGAACTCAAACATGGTAGTCAGCGTTCCGTTCCAGTTCGGCTCCCGGCGAGCTCCCTTATCTCCAGCAGGACAGTTTCTGGAAACGTAGC	4
wt-129960-130080	1079	GAGCGTAGCTGGCGGCTGTACTGGTACGGCTCGGGAAAACATATCCCTCAGTGGTACAAAGTATGTTGAAAGTTGGCATAATGCACAAAGGTTGAACAACTACCAGGGAAATAGT	4
wt-130080-130200	1080	CCCGCTTTGGGCACTGGTTAAGGATGGTAACTAAAAGGCCCTCAGATCCGGCAGGTCCTTCTGCTTCCAAAGACAGGCTCAACACATGCTCATCTCCCTTCTCGGTCACTCGCT	4
wt-130200-130320	1081	TGTAGGTGCCATCAGAAATTAGAAGTCATGGCCCGGTACTGAAACTTGTCCCGTTGATGGACAGGGCCACATAAGACAAGTACAGCGCAGCTGATAAAAGACATAGCTGTGTG	4
wt-130320-130440	1082	GCCCGCTGTTGGGACGATGTTGCCAATATAGTAGAAGAGCTGCTTCTCAAGGGGGGCACTAAGCATGACAGGCAAGGAAATCAGCCGCTAATGACTCCGGGATGGACCTTAGATGCAT	4
wt-130440-130560	1083	CCACTTGCATGGATCCTTACAGACAGCAGGGATATCGACAGGCTCGGCCAGCGCAATACCAAGGGTACCAGAGCTTGTAAATTAACCTTAGCGGTTAAGCATAGACGCCAAATCTT	4
wt-130560-130680	1084	CGGTGACATTTGCCCTCTCCACAGCGCTCTGGCTAAGGCCCTGGGACCTTTGCCATCAGTTCGGTCCATGGGATGGTGAATGCGAAGCATGCCCTCTATGTCCAGTGCAGCTTAA	4
wt-130680-130800	1085	CCTCGCTGAGGCTGGCAGCCCCACCTCCCATAGCAACACCAGGCAAAAAACAGAGCAACTGCATCCTAGTCCCGATTCCCTCTCAAATCAGAGATCACCTTGTCTCAGACCAGCC	4
wt-130800-130920	1086	CAATGAAAAACTGAGATCGTATTGCCGATTCTTAATGCCTGCATGTAATCTCCGTCCAGCATCCAGGTAATCGTCTGAAACTCTGAGAGGTCACAAGCACAACTGAAGGTAG	4
wt-130920-131040	1087	GCTAGCGTTCCGGTGAACGCAAGACAACTTCAAACAACCCGCTCGGCTCGGAAAGGCTGTATGACTTCCCTAAGTACACTAAAGATGCTGTTTATACAGCTTCTCGGCCACACCA	4
wt-131040-131160	1088	CTTCGAATTTAGGGGTGTGGCTTTGATGACATACTGCTGATTGTTGTTAGACCGGCACATACCTTCAAAATGTCTCCGGGGGCAAAATACTGTTTAGGAGCCAGGCACAGTAAACG	4
wt-131160-131280	1089	CGGTGATGATCGATCGTGGACACTCTCCAGTAGCCAGCATCCAGTCCCTGACTCATGTTTCCCTCCGCTTTCAGGGCGGCATGTTCTCCCTCCAGCTTTAACTTCAATCCAGACTATG	4
wt-131280-131400	1090	GTGTCGCCCGGCTGCTCGGTAACCTGGCCAAAACCTGAATAAAGTCACTATAGGAGAGAAGCTGGCTCCGGAGCAGCATTAGAGGGAAAAACCCAGGAGCCGACAGCAAAATGGCGATCA	4
wt-131400-131520	1091	TGCAAAATCCAAACATCCAGGGGCGGACTGACCTGGCACCAGACTCGGTAACAGCAAGCTCCGCTTCTAGAGGCCAAGACTCTGAAAGGGGTGGTAAATTTTATCTGGCATGCTAAA	4
wt-131520-131640	1092	ACCTCAGCCGAGCTGCTTCCCTCCATGCCCTCGCCGAGTCACTTCTGTGCATGGCCTTAATGGCATTTCATACACATGAGTCCAGTACCGCATCGGTTACAGGACTACAATGGTC	4
wt-131640-131760	1093	AGGTCGCCAAAGACGCTTCAAATGATTGACATAGTAGTCTTCCCAACCCAGGGCACCTTCCAAAATAGCAAGCAGGCGAGTTGATTTACTGATGATGATTTGTTAGGTGGGTC	4
wt-131760-131880	1094	ACAATTTGAAACCCGATGCTCTCTTCTGAGCCTTGGCTGGCGGGTCTTGGGCATCCAGATCCAGAACTTCAACACTTCCACTTAGCCGCTTACGCTGGGAGCATGC	4
wt-131880-132000	1095	TTGGATAACTTAACTGCGCCCACTGGCGGCCAGGTGTTGCAAGGACCAAGAGCTTACCTTGGCCACATCTTTTGTAAACCGGGAATGAGAAGAGGCGCTCGCGAAATTA	4
wt-132000-132120	1096	GACTCATCTCAGACTCACAGTCAGATTGTATCGAGCCAAAGCCGGCCAGGCCCTCTCAAAGCCTTCTGGTACATGAAGTCCGGCTGTTGGAGTCCGCACCTCTTCTGTGCAC	4
wt-132120-132240	1097	GAAGTTTTGCGGAACAGGAGAAGGGGTGCGCTTGTCTGGGGCCACACTCCCGGCTACGGGCTTCCGGGTAGGGGCAAGTGGCTTTTGGTGTGCGGGTGTGGTGGCTGGGCTCC	8



wt-132240-132360	1098	CTGGGACGGTAAAGGGGACGATGTGCGCGGTACCCGGAGAGTTTCCAGTATTAGATGTACCGCAGCCTGGGTCCGGCACGGCACCCCTCTCCCAGACAGTCCGGTCCGAGCCATC	4
wt-132360-132480	1099	AAGGGGGGCCAGTGGGTGGGACCTGGTAGAGGCCGTGCTCATCTTCTCACCTGCCCTGAGTCACTACCGGTGGGGTAAGAACTGAGGGGGCAAAGTCACTCAATCTCAGCGTAAAG	4
wt-132480-132600	1100	TTTTCGTGTCTTTCGTTTTTCAGGGGACTCATCTCTGACATTTTCCGACGCGCCGGGGGGCCGGCTCTTCTCGAAATCCAGCCATGGATCCCACCCGGGTCTGTGTCCCTC	4
wt-132600-132720	1101	TCCACACACGACCTGGCAAAATTTACAGACTTCCCGCGCTAGAAAGGCGGACAGTAAAGCAGCGCACCTTCGGTGTACTCCAAGCTGCTCTCTTAAAGACTGGGAGCAACTGGCC	4
wt-132720-132840	1102	TCTTTTTGTCTCTGCCCCCGGACCCAGTTTACAGACTTTAGACTATTTTTTGAAGTACCCCTGGGTCCGGAGAATCGCAGATTGGTGTGGTAGCTCTGCAGCCTTATCCCCGGTGT	4
wt-132840-132960	1103	TATATTGTAGAATTAAGACGGCCATGAGCAACCGCAACCGTAAAGCTTCCGAACTCGAAGGCACAGAGCTAGAGGGCCAGCCAGTTGTGTACTGTGCCAATTTCTTCGCACG	4
wt-132960-133080	1104	CTGTCCCGCCGCTGCTGGGAGTCAAGGCTGGAGCTTTCGAGCTTTCGCGCGCTTGGTATTAAAAACCGAGCTTCCGAGAACTCCAGAGTAAAGTTTCCAGCCCTGGGCCAAAAGCCCTC	4
wt-133080-133200	1105	CCCACCTCCACCACCGGCTGCTAAACCTCTCTCCCGTGGCAGGATGGCGCTCTCCGGGCAGCTTTGATAGACCCCGCCGACTGCCAGGGACACAGGCCCGAACTCATGTGGGC	8
wt-133200-133320	1106	CCAAAGCCTTCGAACTCACTGCGCGTGTCCCGCAAGCGCTCGAGCTGGCAGAGCGGGAGGCCAAAAGGGCCAGGTCGGAGCGGTGGGACAGGTGTGCCAGGTGCTCAAAAATAGGCT	8
wt-133440-133560	1108	CCCCTCCACGGGAGGGCGCTCTGCGCCAGCCCCGCCCTCCCATCCACAGCCAGCCGTTCACTCGGCTCACCGGAAACGCCAGTATGCAGTCTCAATCTCTCCCACGGACCCCTCT	8
wt-133560-133680	1109	GATGGTGGCCGACGCTGGCTCAACGCTGCTTGGTAATCTGTACGGAAACATAACCCAGTGGGTACCGTCTTCGGACCTGGTACAGGACCATGTCGGCTAATGCCATGCAGCGGG	4
wt-133680-133800	1110	CGTGTTCCTAAGCAGCTGAGGGGCAACCTTAACTTAACTCCGCTCCCTAAAGCTGATGACAGAAAGTGGTGGCGGTGCTTGGGGCACCACTCCAGGACTTTTCTCAGACGCTCAG	4
wt-133800-133920	1111	GCACCTGCCAGACCTCCAGGCTGCCCTGATCCTCTCGTGGCCTACCTGCTACTCCAGGGGGCTCTCACACCAGCAGCGCCCTCCCTGCCCTCACGGGAAGAGCTGCTGGAGCTGGG	8
wt-133920-134040	1112	CCGGGAGAGCCTAGAGAAAATCATCGCGACCTCAAGGCCAAGTCAACCGGCGGAAATTTATGATTTTAAACAAGCGGAAACAAGGAAGCGCCAGTCAATAGCCCTCTCAACCGACA	4
wt-134040-134160	1113	GGCGGCATATCCACCCTGGCACATTCGCGGACAATAAGATTTACAACCTGTTTGTGGAGCGGGACTACTGCCACGACGGCCGCGCTGAACGTGCCCGGGCGGGCGGTCCGGACCGGGA	8
wt-134160-134280	1114	CCTGGTGTACCGGATCGCAACACAGATCTTTGGGGAGGATGTGCCCCCTTCTCATCTCACAGTGAACCTGCGCTAGGTTTAGCCGCACTCGAGGCCCTGATGCTCGTCTACACGCT	4
wt-134280-134400	1115	CTGCGAGACCGCAACCTGGCCGAGGCGGCCACCCGGCGTCTACACCTATGCTCCCTGCTCCCCAGGCAATGACAGCGGCAAGCCTGCCATGGCGTACGCTGGTATGCCGGCGCCTA	8
wt-134400-134520	1116	TCCAGTCCAGACGCTTTCCGCCACGGGAGCTCTTCCGCTCATCTGGGCCACTACGTGAGGCCACGGTGGCGCAGACCCCAAGCCCTCCATCAGCTCTCTTTCCCGGGGCTGGT	8
wt-134520-134640	1117	TTTGTGGCCCTGGAGCTGAAGTTGATGGATGGGACGGTCCCTCCATTATGCCATAAACTGACCGGACAAAAGTTTACACCCCTTTGAGATTATCAACCAGAAGCTTTTATTTC	4
wt-134640-134760	1118	CGACCCGGCTGCCATGCTGGCGCGCGCACACAGCTGCGCTACGCTTCGAGGACGGCGTGGTGTGCCCTGGGGCGCCCTCGCCCATGCTTGGCGCGGGGAGATCCTGGAGCGTCA	8
wt-134760-134880	1119	GTTCTCAGCCTCGGATGACTACGACCGCTGACTTCTCTGACGCTGGGCTACCTGGCCTCCCGGTGGCCCAAGCTGAGCCAGTTCCTCGCACTGGAGTGGGTCAATGGCAAAAAGGTA	4
wt-134880-135000	1120	AATAAATCATCGCACGGGGTTTTGCGCTTCTGCTCTTGTGTTGGGTAGGGGAGTAAACCGGCTGACGGCCGATGCTCAGGGCCAGGGCGTCCAGAGGCCCTGATGCTGTG	4
wt-135120-135240	1122	AAGGCAGTAGAGGACACCCACCAGCGGTTAGGGAGGACTGCAAGGTTGAAGAGCAGATTTCCGTACGCCAGGGTACCTGGCTCAGGTCCGGCGCCTGCGCAGTCCAAGCTG	4
wt-135240-135360	1123	CGCCACACATGCACAGACGGCCCTGTGACATCAGCGCGTATGCAAAAACAGACAAGAGACCGTGGCGGTTACGGGGCGCAGGGCCTCTGCCGGGAAGCCACCAGGGCCAG	8
wt-135360-135480	1124	GGCCCGGTAAGCAGGTACCAGTATTCATCCGGCACCTTGCCTGCCAACACACGATTCGTGCGGTTCCAGTATTTATCACGGCTCCCGCCACAGGTAAGGTTAACACTTAGGGTCAG	4
wt-135480-135600	1125	CAGCTGGTACAGGATAGGTGCAAAAACCTGAGCTCGTCTCGCCAGAGCGCAAGCGCCAGTCTTTAGCATCTCAGGAGGAGCCCGTGAATCCCAGGTGTCATTCGCGCGTCTC	4
wt-135600-135720	1126	CCCGGCACCCAGTCCCATTAACATAGCGGGACAATGGTGCAGGACCGCTGTATACGCTGCGGCTTGTGGAGCGCCCGGACGCCCAAGGACCGCTGCCTCACTGGA	8
wt-135720-135840	1127	TCCCCTACCCGTCAGAGCCAGCTCCCTCTGAAGAAAGCCCTTGCACCTACAGGCTGCAACCTGCCGATGCCGATGCTCCGGTCCGCTCAGTCTTTGGCCTTTACCAGACCCGAGCGGGTCTCT	4
wt-135840-135960	1128	TAGCGCAGCCTCGATTACCTCTGGGACTTCTGTCCCTGCTGGACTCAATTTACCACGATTGCGATATTGCACAGAGTACGCGCTGCCCTCCCTCGAGAACCAGGTGGAGGCTCT	4
wt-135960-136080	1129	GCACGCTGGCTCCCTCACTGTCACTGGCCTCCCTCCACCAGACATACCCCAAAACCACCGAGATGGAGGCAAGCTGTCTTCTTACCACGCTGTCTATCTGTGCCCTGGGTGCTCG	4
wt-136080-136200	1130	GCGCGCACCCACGGCAGTCTACGGTACAGACCTTGGTGGGCTCTGAAGCAGTTTGTGACCTGGAACCGTCTATCGCCGCCAGATTGAGAATGACGCCAATGCCGCAAGCGTGAAT	4
wt-136200-136320	1131	CGGATGCCCGAAGACCACCTCTGCCCTCACGAAGCTCATAGCTAAGGCAATCGATGCTGGATTTCTGAGAAACCGCTGGAGACTCTGAGGCAGGACAGGGGTGGCAATATCCC	4
wt-136320-136440	1132	AGCCGAGTCTGATTTAAAGGCCAGCGACGCCCGGACCTACAAAAGCCGGACAAGGCATCTCAGAGCCACCCAGCCCTCCACAGACCCAGCCACCATGCTATCAGGTAACGACGGAGA	4
wt-136440-136560	1133	AGGAGCAACAGCCTGCGGAGGTTCCGGCCCGCGGGCCAGGACCTCATCAGCGTCCCGGCAACACCTTTATGACACTGCTTCAGACCAACCTGGACAACAACCCGCGGAGGACAGCC	4
wt-136560-136680	1134	GCTACCTACGCGGCCCGCTGCCCCCTTTCCACCAGGCAATAGCCACCGCGCTTCTACGGTCTGGGGCCGAGCGGTCGCCCGGCGGGGCTACTTTACCTCCCAGGAGG	8
wt-136680-136800	1135	TACTACCGCGGCCCGCGGGCGGGACCCGGGTGCCCTTCTGGCGATGAGCGCTCACACCTACACCCCAACCCACACCCCTCCGGCTACTTTGGCTTGGCGGGCTCTTTGGCC	8
wt-136800-136920	1136	CCCTCACCCGTGCTCTTACTACGGATCCCACTTGGGGCAGACTACGTCGCCGCTCCCTCGCGATCCAACAAGCGGAAAGAGACCCCGAGGAGGATGAAGAAGCGGGGGGCTATT	4
wt-136920-137040	1137	CCCGGGGAGGACGCCACCCCTACCAGCAAGGACATAGCGGGCCCTTCCAAGAGTGTGAATGAGTTACAGCACACGCTACAGGCCCTGCGCCGGGAGACGCTGTCTACGCCACACCCG	8
wt-137040-137160	1138	AGTCGGATACTGCCCCAGCAGGGCCCTGCTACACCCACTCGGGCCCTACGGATTTACGCTCATCAAAGCTACGAAGTCCAGATACGTCCTCATCCGCCCCACCACCACTTC	4
wt-137160-137280	1139	TCACCAGGAGCTCAGGCGCAGCTCCACCCCGGGCACACAGGCCCCGAAGCCACTGTGTGGCCGAGTCCAGATCCCTGAGGCGGGAGCAGCGGGAACTTGGACCCCGGAGGA	8
wt-137400-137520	1141	AGCCACCTCAAGTCCATCTTTTGCAGGAATTGCTGAATAAACCGGTGGCTTGAAGTAAACTTTATTTGCGTGTAGTACCTGTCATTACAGGGGATCCAGCCCTTGCAGCCCTC	4
wt-137520-137640	1142	CCCCAGCCCGCCAGCCACCCAGACAGGAGATGATAATGATGAGGAGCAGCCGAGCCACACAGCAAGTATTAGGAGCAGGGCCAGTGCACCCAGTGGTCTTAGGGCCAGGGA	4
wt-137640-137760	1143	TCGATTGAAAAGGGCCAGGGTCACTGGCTTATGCGTGGGACGTTTGAAGAACAGGCCGCTATGGGCCCTGTACTGGTCTTGTGGTGGGAGACTATGGTGGGGCTATGGTA	4
wt-137760-137880	1144	GTGGTGGGATAACAGTAAGATGCATACGCTGAGTGAGGGTCCGGTGGCATGGTATTGGTGTCTTCTCCCTGCAGAGTAATTGCAAGTGGACCCCGAGGGCCACTGCAATTTCTC	4
wt-137880-138000	1145	AGTGTACATTGCACGTGTAGTAACCTGCATGCGCAAGGGTACATTGGGGATTATCAGAGAGACGGAGGTGTGGAGTCAATACCATTCTAGGGTAAGGCTATAATTGTAACCCCG	4
wt-138000-138120	1146	TTAGTTATATGAGTCCGTTGTTGGAAGTAGCTACGGCAAGGGCAGTTGTCATCCCGGGGAGTGTATCCCGGCCCAACTCGATCCGAGAGACCGACTATTGCTAGGAACGCTGCAG	4
wt-138120-138240	1147	GTGAGATCACTAGCACCTGCATGGCGGTGACATTTCAAATTTAACCAGTCTGAGAAAAATGCACAAACAGACCCACACAGCAGCAATAAGAACACTAAATGAGTCTTCCCT	4
wt-138240-138360	1148	AAACTGCAGTTTTAAACTCCCTGCTTCTCAGCCCTAAATGTGGTGGGTGCTGTAGGATCACTTTGATTTCTGCAACAACAGCCATACCCGGAAGGAGGAGTCCGCGTCCAT	4
wt-138360-138480	1149	TTTTCAAGCTAAACCAGAGTGGCAGCAGGCCAAGAAGCTCCTCAGCAACATGGAGACCTCGAAGGAAACTGCGAGGAGTACAGTACGCAAGTACGCTTCTCATGTGAG	4
wt-138480-138600	1150	GTAAGAGATCGCTAAAAATGGGATCAGGGTATGTAACCCAGTTTTGCGGGGATGGTGAAGCAGACCGCGGGTGGGGGAAGGAGCTGACACGATTGATAGAAAAGGGCCAAAATAC	4
wt-138600-138720	1151	ACCAGCTATAAGGAATTGCTCAGGCCAAAGTTGTTCTCAGGTGGCTTAGGCCAATGTAGGCAATTGCGTGCCTAGAACATTGCTAATGTCCCTGGGTTCTGCCTCATGCAAA	4

wt-138720-138840	1152	ATTCTACTCCCCGGCCTGGTGCAAAATGCTGCCTCAGAACTAACAGCTAATCCAAGCTAACATTCTATCAGTAAACGGGGGAGAAAATGATAAGGACCGGGAGTTTGGCCCTCC	4
wt-138840-138960	1153	GCGGTGTCCGGTGGTCTCACAGTGCCTCCCCGGGGCGATGGCTGAGGCCCGGAATATGCAAGTGCATCTTTCTAACAGTAGGGGCTCCACCTAGGTGCTTTGTAATCTTTAG	4
wt-138960-139080	1154	TGGAACTAGTGGGAGTGTGTGCCTGGGTACCCCTATCCTATAGTCTACCGGAGTCTCTTGTCTTGATAATCCCTGTAACACACACCACCTAAGAACAAGGCATTGTTAACCTTT	4
wt-139080-139200	1155	GGTGAACCTAGTGTAGTGTGTGCTGTAATAAGTGTCCAGCGCACCCTAGTCAACAGGTGTACCGGAGGCTACTTGCCTCAGTGCCACTTTTACCTTCTCAAATCTATACGGGG	4
wt-139200-139320	1156	GGGGGGGGCTGTGAACATTTGGTGGGAGCTGATGCTGCTGGTGTGCTGTAATAAGTGCCTAGCACATCACGTAGGCACCAGGTGTACCAGGGCTACTTGCCTCGGCATCTCCCTAC	4
wt-139320-139440	1157	CGGAGAAGGGTTAAACAAACCGTGGGGGTCTAGTGGAACTGAGTGCAGTGTGAATACAGTCTTCAATACAGGCTTCCATAGCACCGCTATCCACTATGCTCGCCGGGCTATATGCTCCCTACCTCCCT	4
wt-139440-139560	1158	ATATAGTCAAGCCACCCGAACTGATGTAGAAATTAATTTATGATCACTCAAGGCCAAGCTTCAATCTGTGCCGCTGGAGGGAAACATGACCACTGAACTGTTAACCCAGTCAAGTGG	4
wt-139560-139680	1159	TTTTGTTTCTTGATAGAGACACAAGGACTGCCAGCCCATTTGGGAGGGGGGGTGGTACGGGAGAGTTGGGCTCGTTAAACAAAGTCTCATCTGATGCTGTGGCACCTCAAGGT	4
wt-139680-139800	1160	GAATATAGCTGCCATCGACGTATCGCTGAAACCGGTGGGGCGCTGTTCACTAAAGTGAGCGAAGGTGTGACGCCGCAAGGTCCTTTACCAGGCTTTCAGGTGTGGAATTTAGAT	4
wt-139800-139920	1161	AGAGTGGGTGTGTGCTTTGTTTAAATACACCAAGATCACACCCTCTATCCATATCCACAATTGATAAACCTCCGCATGTCCAACCACACGTTGAACAGGATGTGGCACCTAAGAG	4
wt-139920-140040	1162	GACCGAGCATACAAGTTATTACCCAGTCTTGTATGCTGGTGTCCCTTAGTGGGACGACGCTAGTATGATCATTTACACTAAAGCAGTGACCTTGTGGTACTTTAAGGTTG	4
wt-140040-140160	1163	GTCCAATCCATAGGCTTTTTTTGTGAAACCCGGGATCGGACTAGCCTTAGAGTAACTCAAGGCCAAGCTTCAATCTGTGCCGCTGGAGGGAAACATGACCACTGAACTGTTAACCCAGTCAAGTGG	4
wt-140160-140280	1164	GCAGCTTATAGTGGCAAGGAACTTGGGTTTCAGGCATAGAAAGCCTGGCTCACTATAGCAGCCCATGTTTGTCCAGGGTGGGGGAAAGGCACGTGCCCTTAGAAAATAGTGTGCAAA	4
wt-140280-140400	1165	AATTCTATTGTGTGGGAGAGCCTTATATCTAAAGGCCCTTCTCACAATACAAATGTTACTAAGCTGTCCCTCGAGACCTGCTATGTGGCTAGACGTATGGCCTACCCAAGAGCT	4
wt-140400-140520	1166	TGGGGTCTCGGGTAGGCCATGATCTTCCAGGCATAGGTTACAAACAGTCACTGCTATCAAGCTACTCAGTTCCCAACGCAGCACATACCCCGCCCTCTCCTGCCATGAGGACTTAT	4
wt-140520-140640	1167	GGCAGTGTACTGTTCTGCTTTACTCTTGGACCAGGCTGTATTCTATCAGAATAACAGGGGAAGCAAGGCCCTGCTTCAGCGGGACAGCTGTTTCTAGAATCTCGGAGCCAATAA	4
wt-140640-140760	1168	CTACCTGCCCTTAATCTGTATGCTGCATGAAAAACACATACACGTGATGTAAGTTTAGCCAGTTTATTGTTACACCAATGCCCGGAAAGTCCCCCTGTCCTTTGGGTCTCAGGA	4
wt-140760-140880	1169	CCCAGCCCTGGAGCTCGGGGGCGCGGGTGGCCACCAGGTCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGG	12
wt-140880-141000	1170	GGGGGGGGGGTGGCCACCAGGTCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGGGGCCGGTGGCCCA	12
wt-141000-141120	1171	CCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGGGGCCGGTGGCCACCAGGTCGCTGGGTCCG	12
wt-141120-141240	1172	CTGCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGGGGCCGGTGGCCACCAGGTCGCTGGGTCCGCTGCCCGCTCCGGCGGG	12
wt-141240-141360	1173	GGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGGGGGCCGGTGGCCACCAGGTCGCTGGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTCCGGGGTCCGGCC	12
wt-141360-141480	1174	GGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGGGGCCGGTGGCCACCAGGTCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGGTCCGGCC	12
wt-141480-141600	1175	CTGGAGCTCGGGGGGGGGCCGGTGGCCACCAGGTCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGGGG	12
wt-141600-141720	1176	CCGGGTGGCCACCAGGTCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGGGGCCGGTGGCCACCAGGTC	12
wt-141720-141840	1177	CCGCTGGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGGGGCCGGTGGCCACCAGGTCGCTGGGTCCGCTGCCCGCT	12
wt-141840-141960	1178	CGCTCCGGGGGGGGTGGCCGGTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGGGGCCGGTGGCCACCAGGTCGCTGGGTCCGCTGCCCGCTCCGGCGGGGGTGG	12
wt-141960-142080	1179	CCGGCTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGGGGCCGGTGGCCACCAGGTCGCTGGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTCCGGGGTCCGGCC	12
wt-142080-142200	1180	GGGGTCCGGCCCTGGAGCTCGGGGGGGGGCCGGTGGCCACCAGGTCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGGTCCGGCCCTGGAG	12
wt-142200-142320	1181	CTCGGGGGGGGGCCGGTGGCCACCAGGTCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGGGGCCGGT	12
wt-142320-142440	1182	GGCCACCAGGTCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGGGGCCGGTGGCCACCAGGTCGCTGG	12
wt-142440-142560	1183	GGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGGGGCCGGTGGCCACCAGGTCGCTGGTCCGCTGCCCGCTCC	12
wt-142560-142680	1184	GGCGGGGGTGGCCGGTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGGGGCCGGTGGCCACCAGGTCGCTGGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGT	12
wt-142680-142800	1185	GCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGGGGCCGGTGGCCACCAGGTCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGGT	12
wt-142800-142920	1186	CCGGCCCTGGAGCTCGGGGGGGGGCCGGTGGCCACCAGGTCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGG	12
wt-142920-143040	1187	GGCGGGGGGGTGGCCACCAGGTCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGGGGCCGGTGGCCCA	12
wt-143040-143160	1188	CCGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGGGGCCGGTGGCCACCAGGTCGCTGGTCCG	12
wt-143160-143280	1189	CTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGGGGCCGGTGGCCACCAGGTCGCTGGGTCCGCTGCCCGCTCCGGCGGG	12
wt-143280-143400	1190	GATGGGGTGCCTCCAGGCCGACCTGGTGCAGGCAGGACCCCGCCACCCTTATGGGGGGGAGGCCCGCAAGGACCGGGGGGGTGGCCGGTGCAGCCGGTCCGGGGT	12
wt-143400-143520	1191	GCGTCTGGAGCAGCTGGGAGCCGGCCAGCTGCCTTCTTTATCCTCTTTTGGGGTCTGTGTGAATACCTTAAGGTTTGTCTCAGGAGTGGGGGGCTTCTCATTGGTTAATTCAGG	4
wt-143520-143640	1192	TGTGTGATTTAGCCGTTGGTTACATTAAGGTGTGTAACAGGTTGGTGGTACCTGGAAGTCACTTATTGGGATAACGAGAGGAGGAGGGGCTAGAGGCCCGCGAGATTTGGGGTAG	4
wt-143640-143760	1193	GCGGAGCCTCAGGAGGTCCTCCATAGGTTGAACAGGAGGGGGAGGATCGGGCTCCGCCCGATACCTAGTGGTGGAGCCTAGAGTGGTATCCATAGGTTCCATTATCCT	4
wt-143760-143880	1194	GGAGGTATCCTAAGCTCCGCCCTATACACAGTGGTGGAGCTAGGTAGGATTCAGTAGGTTCCAGTGGGTACCCCTACCCTACCTAAGGTGGCCACCCTTCCCTCCCG	4
wt-143880-144000	1195	TTTTAATGGTGAATAAACCTATAGGTTTAAACCTAGTGGTGAATAGGTTATTGCAGCTGGGTATATACCTATAGGTATATAGAACCTAGAGGAAGGAAACCTATAGTGAATCCCTC	4
wt-144000-144120	1196	CCCCCTACCCCTCCCTTACGGTTGCTGAGCCATCCCCACCCAGCACCCCGGGTGGAGTGGCACCCCGCTGCCTTACTGACTTGTACCTTTGCACATTTGGTCAGCTG	8
wt-144120-144240	1197	ACCGATGCTCGCACTTCTGGGTGATGACCTGGCTGTGCCTTGTCCATGGACAATGTCCCTCAGCGTGGTGGCTGCCTTTGGGATGCATCACTTTGAGCCACTAAGCCCCGTTGC	4
wt-144240-144360	1198	TGCCTTGCCTGCCTACCATGACACTAAGCCCTGCTAATCCATGAGCCCTCCCTTTAGGAAGCACACGCTCCCGGGGACGGAAGCTGGATTTGGCCAGTCTTCAATTTGGGGAG	4
wt-144360-144480	1199	TGGTTTTGTGAGCCGGAAGTTGGCAATGGGTGAGGTGGCTGGCTGTTAAGCTGACGACTTCCCAAGCTTCCAGCTGGTACACAGTGGGGGGGACCCCTCAACTTTGGCTGT	4
wt-144480-144600	1200	GGCCTTATTTCCCTCCCTTCTAGCCAGGCGATGTTCTGCATGTCTACTTGCCTCCTGTGGTGGCAGAGCTTGGCCCTGGGCCCAACCCCGCTTGGAGCCTGTAGGGGCCAA	4
wt-144600-144720	1201	CACCTTGGTTTGTGTCTCTGTTGCTGGCACTTACTGGCAGCCGAGCAGATTCTAATGGCGCCCGCTTCTTCTCTTGTTTTATAAGAACTCAGCCAGGACCTATA	4
wt-144720-144840	1202	CCTGAGACTCAAAGTCTGGTCTGGTCTGAGACCCCAAGATTTGTCATGCACACCTGCACACCTGTTGGTATTGGGTTTCTATTCTTGTAGTGTGAAAGTTTGTAAAAAATTCATA	4

wt-144840-144960	1203	AAATGTCACTAATTCCTCTTACCTGTTTAGGTTATGTGCAATTCCTCAGCCTGCCTATTTCAATTTGCCTAAGGTGGCAATTAAGATGGTTAATTAACCATTTTCCTGTCTGACA	4
wt-144960-145080	1204	CCACTGCATGGGCAACCGGTTCCATGGCACAATTTAGAGATAAACATAGATGCTTGTCTGTCTCATGTGCAGAGGAGGGGGTGGTGTGCAATATAGTTTCTGGATTCCAAATTGAG	4
wt-145080-145200	1205	TTGGGGGTGCTATTTTCACTATGGAATTAATACTAGACATAGACAGTGGACACCGGCTATATGTGGGATGTCTGTGGCTTGTCTTCTCTTAGAAGGTAATCCCCCATCTTAAC	4
wt-145200-145320	1206	TTCCCTTTAAATTTGATGCAAGCCCTGGGTATTTATAGAAATGATTATCTAGGTTTATAGATCTGAAAGGCTGGGCAGAGAATGTTGTAATTTTATTACCTTCTTTACCCCCACCA	4
wt-145320-145440	1207	GTATCCAGTTCTAGAAGATCTCTGATATCCCGGGCTGCCATTATCCCTTGAGTGTATAGTCTCTTAACTTAAGCAAGAGCTCCAGGATGTAGCTTTTTTGGTGGGGTGGTTG	4
wt-145440-145560	1208	TCAGGAAGAGTTCCAGTGTGCTTTATTTAGATGTAGCTTTGTGTAGTGTAGTGGCTGGTATCTACTAGGAAGCACTAACACAGTTAGACGTGCTAGTTGTGCCCA	4
wt-145560-145680	1209	CTGGTGTATCCGGTCCCAAATGTCCACCAAGAACACAGGGGGCTGGATTGGCAGCAGCACTTGTGCTTTGATTTTTACCCTGTATCAGATGAAATTTGGGCGATGCTAGCCATTTAG	4
wt-145680-145800	1210	CTTCCCCTCCCCTAACAGGGGGTCTCGCGGGGTGCCAATTGTGCGCTGCCTTCCCCGCTTCCCCTTGTAACTTATAGCATGATAGGTAGGTCACCTAACCTGGAAGCCTGGTGGGTG	4
wt-145800-145920	1211	ATCCTTCTCGGTAGGGAGCGCTTAGGGCTGTGAGCTCAACAGCCCCACCTGGGTAAATGATGTTCTAAGAGTACCCTAATAACAAAACCTGTTAGGGTAACGAAGACCTGA	4
wt-145920-146040	1212	TGGAAGTGGTATTGTTGCCGTGAAAGACGGGTGTCTGGCTCAAGTTCGCACTTCTATACAGTGTAAAGCCTGTATCGGAAGTTGGGCTTCGTCAGTACTCGAATAATGTCG	4
wt-146040-146160	1213	ACTGCTGCAAAAGTTGGACCTTCCAGTAGGTGTGGGGTCCCAAATCACGAGTTAGGCAGGTGCATTTGGCTTTTAGGAGGGACCTTAAGCCAGACAATGATGTCGCCCTT	4
wt-146160-146280	1214	TTTTTTGCAAAATTTGGCTTAAATTAATTTCTTGTAAACATGAAATCTGTTCTATGACCTGTGTTTTAGATGCGCTTGAACGTGTCAGTGAATTTGGACGCAAGCTACTTGAC	4
wt-146280-146400	1215	CTTTGCCCGCTGCCTCCAGCGCTGATAAGTGTGCGTCCACTTTGTGTTACAGGTGGGCCAAACCTCCAGAATACAAATGGTGGGGCTTGGTGGGCTGCATAAGGCAGTAGGTTTGA	4
wt-146400-146520	1216	GGTGACCTACTTGGACCATGTGGATCCAGTGTCTGTATCCTGGACCTGACTATGAAACAATTTAAAAAATGCATCATAGTCCAGTGTCCAGGGACAGTGCCTCGGAAGTCTCATCA	4
wt-146520-146640	1217	TCTCCGTTTGTGTTTGTGTGTTAGTGTGCCAGTACGGCCACCCCTGTGCCACGCCCTGGCATGCTGCTGACATCTGGCCGCCAATTTACGGGGGCCCTTTTCCCCTTGTTCACCCCATAGCAA	4
wt-146640-146760	1218	GAAGGGTAGGTACATGGGATTTCCCATCAGCACCTGACTGGCCGTGCAATAGAGGAGAGGGCAACAACCAAGGCTGTTGTTTATTTGGGTTACAAGAGCTGCGCGGTGCGATG	4
wt-146760-146880	1219	GGTTCAGTATTACGGTTCCTAGATTGACAGATGAACAGAACTGACAACTGTCAACATCTATGGGGTCTGACAGAGTGTCTTACCAGACTTCCATGGAAGATGAAATTTGCTGCTAGCTATA	4
wt-146880-147000	1220	TGGGTGGTGTATGGGCTCCCTAGGACTCATGTAGTGGGGCTTTGTGATAGCTAATGAATGTGGCAGCTGTTGTTTGTACTGGACCTGAATGGAACAGTAACCTGGATTCTGTAAC	4
wt-147000-147120	1221	ACTTCATGGTCCCCTAGTGACAACATGCTGAATATCTTGAATATGGAGGAGGGGGCTTTGGGTTCCATTGTGTGCCCTTTCCTGGCAACGTGAGGGTCTAGTGTATAGGGCGT	4
wt-147120-147240	1222	GGCAGTTTTCTTAGGGGCTAATAACCCGGGTGAGGCGGTTGTACAGGTGTAGACCCCTGGAGTTGAACCAGTACCCTCGGTTACAAAGTCATGGTCTAGTAGTTGTGACCCCTGCAAAAG	4
wt-147240-147360	1223	CTACGTGGGGATGAGCAGCCAGGACTTTGGTTGGCAAGCAGACAGGGCGGCATTGGAACCCAGAGAGTGTCCCGGGGCCACCTCTTTGGTCTGTACATATTTGTTATTGTACAT	4
wt-147360-147480	1224	AACCATGGAGTTGGCTGTGGTGCACCTCATGGAAGGGGGCTGGGAGCGCCTGTGTTTAGTCTATGGCAATGTTTACCTGCCTGGGTTAGATTCCAAACGACCACACTTTGAC	4
wt-147480-147600	1225	GGACACCTGGAGCCCTGATCATTCTCGCCTTTACTGCCACCTGGCTTCTGTTGGGTGACAGTGTGGTGGCGTAGTTGTGCTTAGCAGCAACGCACACCAGGCTGACTGCCTTAGC	4
wt-147600-147720	1226	AGTGTGCCCTTTATTGTGGCATCTAAGGAGGATTCTGGAGTGCCTTTCGCTGAAGCATGCCCTGAGACGTAAGTACTGAGTTAGGACTTAATCGCTCTGTGCCCTGGATGAGGGAGC	4
wt-147720-147840	1227	GCCAAATTTGATACCTAGCTCTGGCCATAGAGTTAGCCACCCCTGTGCTCTCCCTTTGGCCTTTGCGGTGCCAATTTCCGGTGGTTTCCCTTTTCCGCCGTTTATCCAAATAGCATGTA	4
wt-147840-147960	1228	AGAGAGTTGCTAGATTGGCAACTTTGAGGGAACGTTCCGTGAGTGGTGCATTAACACCCGCCCATACCACCCGACAGATTCTGAACCTGTCTGGTGTGGTGTGGTGGT	4
wt-147960-148080	1229	GGGTACGACAGTACGTTGGAATGCTTTGGAGCCGAGAGGATGGGCCGCTTGTGCGCTTATGTTACACGTTGCCAATAACCCGGTCCGGCTGCCCGTACCCTGACCCGTTGGCCCT	4
wt-148080-148200	1230	TACCTTCTGGCCATCGGGGACCCCTGGTCTAGGGTCCCTGTGTTGCTTCTGCCATAGGGGGGAAAGCATCGCCTTCAGAATTTGGCTGCTCCGTTGGAACATTTGAGCCCTAGTATA	4
wt-148200-148320	1231	TCCGTGCTGACAACATTTCCCGCAACATGACATGGGTTAATTTAAACATGTTTGTGTTGCTTGGGAATGCTCTTAGGGCTGGAAGCTTGTCTTGGATTATCGTTTCTGAACTA	4
wt-148320-148440	1232	CAGGCGTAGGGCTATTGTAGCAGGATGTCTTCAATCCTGCGTACCAGATGGCATGAAGGCACAGCCCTGTACCATTGGCACCTTTTTTCCATGTAACCTCCGTGATCCTGGTCCCT	4
wt-148440-148560	1233	TGGAGACTCAAGTGTGAATTTGTTTGGTGTTCGGCGCCAGGGTATCTCGACGTTGGAATGTCAACTCAACTTGGCACCTCGATAACCCGGCTCGTGGCTGTACAGACGATTGTTTGGC	4
wt-148560-148680	1234	TCTGTAACCTGCCAGGACGGCTGACATGTGTTTAGTCTGCCACTGCATCCGGCCTTTGGTACTCGGAGACTAATGGGGGTGGTATGGCACAGGCTGGGGTGGTGTGGGG	4
wt-148680-148800	1235	ATGTCCTGGGCTTGTGTCAGCCCATTCGCCCTCTGGGGATGAGATGTTACGGGTGGCCGATACCCTACGCTGCCGATTTACATAATATAAATTTGAAATGCTGCAAGTAGAGGGATC	4
wt-148800-148920	1236	TGGACGCGACCTGCTACTCTTCGAAACGCCAACCCAGGAGCGTGCCTCTGGCCCATACTCCCGCCATGCGACTGCTCGCCCTCCAGGCTCCCTGGTGGCCCTTGGCGCTC	8
wt-148920-149040	1237	CCCGATTCTGCTTTGGCGCCCTGCGGATCCCGATGACAGCAGGCCCTTCTTCCCGCTTAAATGAAAGAATGACAGTGAAGTGTGACAGAAGGACAGCTTTATCAGTTTACAG	4
wt-149040-149160	1238	AGTGCCTCGGAGGCTACGATATCCCGTTAAATGTCTTGTGATTCTCTCAAAGGTGGGGAGGGAGGCTCTCCACAACAATGTTCCCTGGCAGCGTGAAGCCGACCCCTGCCGTTG	4
wt-149160-149280	1239	GATGATCTTCTCATGATGGTGTGATAGAGGGTCTCCGGCTAGATGAAAAGGCTGGCCATGCTTGGCCGGTACGATCGTTATGGGTTGTTGAAATGTTCCGGACCGCTCAG	4
wt-149280-149400	1240	CTTGAGGGTCTGGCCCGGCTTCCACTCCTGTGGGTAGACGTAGAAGACCGGGTGGAGGAGTGGGACACGACAACGGCCGTAATCTTGGAGCTCAGGGGGGCTCGTAGGTGTTGTTGTA	4
wt-149400-149520	1241	TTCCAGCTCCGTGATGAAATAGGAGGAATAACACAGGGAGCCAAAGTACGGATGTCTGTGGATTCCCGTCCAGCGCCAGTGGCTCTTAGGGTAGGGGTTGTAACGGAAGGCAAT	4
wt-149520-149640	1242	AATCATATCATCAATAGGGTATGCCACCTTGACGTTACAGGGGCCCTCTCGTTTTCAGGTCGGGCTGTCCACGGAGACTCGGACGTAGCCCTACCAGCGGCTATGGCGTTTACCAGG	4
wt-149640-149760	1243	ACACACCTTCCCGGGAATGTGTGAATACGGGCGTATGACTTTAGAATGGGGCGTGTGCTGCGCCAGCAGTAAGGACGCACTGCTCCTGGCTGGTACGGGAGAGCCACTGAGGAA	4
wt-149760-149880	1244	GATCTGGGGCTCGTGGTGTAGCTTGTCCCGCTCTGGGTGCAGGAGCGTGTACGCTGAATGTGCTCTGCCCGGCAAGTCTGAGGTAGAGGTAGGGGTTCTTGACCAATCTGAT	4
wt-149880-150000	1245	GGGCAACAATGACAGGTAACCTTCCCTTCTATGAACAGCTGCGCGGATCAGGACGCTTAGCAGATGCTCTGGTGCAGAGTGCATAACGGAAGGGCTTGGAAATACCTGTT	4
wt-150000-150120	1246	GTCTTCCGCTCCAAAGAACAAAACGCGACCGTAAAGTAGCGGCTGCCGTAGTGGTGGTGTGAAAGGAGAAAGAGTAACCTGAAAGCTGAGTATCTGGCCACCGAGGGGAGGGAGG	4
wt-150120-150240	1247	CAGCTCTTGGCACTGCGCTCCAGTGCATACCTGCTTGTGGTGCAGCGGACGATGAGGGGAAGATCTGACTTCCACACGCTCTCATGAACAGCTGTCTGGTTTTCAGTGGG	4
wt-150240-150360	1248	CCGCAGCGCGGAGGCTGTTCCCTGAACGACGAGCGCCGGGACGCTAGTGTGATGGCTCCTCCGGGTAAAGCTTCCGCCATGGCCGAGCTGCTGACGGGCAAGGTGAGAGTCCGGG	8
wt-150360-150480	1249	GGGCGGGCAGCGGTGCGGCCCAATACAACCTCCGCTGTTAGCTGGTGAAGTATCCGCGGGCGTCTAGGTTGCTACTTCCGCTCGCCGCGGCAAGAGCGCAAGTCCAACTGCTGTG	4
wt-150480-150600	1250	CTGGGCGGATGTGACGGGTTTGTCCCGCAGTTGTAGACTGTCAATTTATGGCGGAGTGGCGGCTCACACGCGGGCGCAGCACCAATGGCTGCACGCGCCCTGGAATACCTGTTA	4
wt-150600-150720	1251	AACCCCAAGAGAGAGGGCGTGGCCCTGGAGATGGCCCTGCCATCACAATGATTTCTCCTTGGGTGGAACAACGCGCTGCTGCTCCGGGTGAGGGGGAATAGCTCCAGGCATCT	4
wt-150720-150840	1252	TTCAGGTCACGAGACCGGGTCCATGCTCAGAGAACAGCCCTCCGGGGGTTGGCGGCCGGGCTCCAGCAGAAGCTGCAGACCCAGCCCTCCTCGGCCCTGCCACCTGTATGTCC	8
wt-150840-150960	1253	AGGTGCACGGACCGGAGGCTGCGTCTGATGACATGGCCAGGCTGGTGCAGCGCACACGCTCCCGTGTCCAGCCGAGGCGCGCCAGAGCAGAGCCGGGACTGACTCAGGGCCACA	8

wt-150960-151080	1254	TCCCCTCGGCCCGCGGACGCCCTCGCCAGCCCCGGCCCTTCATGGGCCCGCTTTCTACCTCTCTCCGGCACCCAGCCTGGTCAGCGCGAGAGGACATGACCTTGGGGTGGGACG	8
wt-151080-151200	1255	GGGCAGGCGTGATCCTGGGCGCAATCTTTGCCGATCCCCACACCTTCACTCCTGTTAGGTTGATAGAATGTCGGTACCACGCCACGGGGGGCGGGCCCATAGGAAAAGCCAGGGAG	4
wt-151200-151320	1256	AGCGATGTGGGCGAGGATGGGCTCAGGCGGCCAGACACGCAATTTGCCCCCTGGGCGGCCGACGCTGCCCTCGGCGGCCGCTGCCAGCTCCGTCACGGGGGGCGCATAGGAGG	8
wt-151320-151440	1257	GGTATATCTAGGATAGCCGCACCTACACAAATGAGACACAGACACAGGTCGTGAGGATTTAGGCAACGCAGGCTTGTCTTATAGTTACAAACATGGGAGCGTGCACCTGGAAGATGCAG	4
wt-151440-151560	1258	CTGGGGTAGATCTTTACATCTTTACAGGCGCGCAGCGGCCGCCAGACACTGAAGGGCAGAGTTACGCGCGGGCACCTCCAGAGGGAGCCACCAGCCCTACCTGGCCACGGCCAGGGCC	8
wt-151560-151680	1259	TCGTAGGCGGACGGGCGGAGCTTGTGTACTGTCCCTCCGCGAGGTGGAGTGGGACACAGTTAGAGAACATAGTCTCTGGTCCCTATATCCACCGCCAGGCTGTGTGCA	4
wt-151680-151800	1260	GTTTGCAGGGCCATCCTCGCACTCAGGTTGACTGGCTGACGACCCCTTCTGAAAGTATGGCCGCTGACTGTCACTGGTCTTGGAGAGTCCATAATGGCTGAAGCTCCAGCGGTATA	4
wt-151800-151920	1261	GTATAATGAGCAACAGGGCCAAACAGCGCGCGGGCCCTGGGTAGTAGCGGGCAACGAGAGACTCTGTGCAATCAAAACCCAGGCTCCCGGCCTACCCAGGAAGAGCAGCGGCAGGGACA	4
wt-151920-152040	1262	GCATAAACCCAGGAGAGGCCAAATGAGTCCCGTGAAGGTGACGTTGCATATCAGGCGCGGCTTCTTCCGAATTTGTGCGCAAAAGTTTCCAGATGATGATAACTGTGAGGAGGACGA	4
wt-152040-152160	1263	TCAGGACTGCCGCCAGTAGTAGCAGCCGGCTTTCAGTCTTGGACGGCCGTGTGCATGCCCTTGGTGGGGCCTTCCCTGCACATGTTGGGGCCTCTGTTGAGATTGGCTCGGGGCCCA	4
wt-152160-152280	1264	TGGTAATGAGGAGGATGATAATGACAGGAGTACCAGACAAAACAGCCCATCAGGTACAGGACACATTTCTGTGGGAGGTTCTTGGCGTTCGGTGAACAATGCTAGGGTCTTCT	4
wt-152280-152400	1265	CCAACGCCATACCCCAAGTGAGTCCATACGAGGACACATAGGCCCAAGAACATCATGTTCTGGGTCAAAGGCAGAGACCCTGAGACGAGAACTCCTGAATCATTTTCCAGCACCCAGA	4
wt-152400-152520	1266	GCAGCAGTCTATGAGAAGAGCTATCAGCCAGACATCCATTCGGTGAACCAATTTTCTTACAAGATGATAAAACAAGATGCCAGCCAGTGTAGCAGAATCAGCAGGACGAGCAGCAGGC	4
wt-152520-152640	1267	TTGTCATGCCGCTGAGGAAGGGCTGTAGGATTTAGTGCACGCATCTTCCGTTGCATTGACGGAAGTCATGTTGGCCACCAGGTTCCACGGTGGACCCGGGGGCCATGGTGGAGAGCA	4
wt-152640-152760	1268	TCTTGTCTGGTCAGAGCCAGACTGGGTGGTGTCTGCAGCAAAAAGAGAACTTCCAGGAGCAGTATTTTGCATGCCACCTCCCTGCCTGGTGGACTCCAGACTATTTCTGCATTC	4
wt-152760-152880	1269	GCCCTTGGCTGCCATTGTTGCAAGGAGCGATTTGGAGAAAATAAAGTGTAGTTTACAGATCCACGGGCCACGCTCCCTGGGGCCTTTCATGATCCACCGCCTTCCCGATGATGAT	4
wt-152880-153000	1270	GACAACCCGCGCTGTCTGAAGCGGCTGACGAAATCGTTGAGATTCTGATGAGAGGCTTGGGGGGTCTTGGCCCTCAAGGCGAGGCTCCTTCTCCTAGGAATGCCGAGCCCGCTGCAC	4
wt-153000-153120	1271	AGCTTCGCTCCACTGGGATCTTTGCCAGCCTTCACTACTAGATTACAGCATCCCCGGTGGGAATCTTCCGACGCCCGCTCCTGCTATCCCGCTCGTCCGCGCCTCCCATGCTAA	4
wt-153120-153240	1272	GGGCCCTTCTTCCCTTACTTTGGGGATATCCGAGTCTGCTCTCGCCGCTCTTCTCTCGTTTAAACGAGAGAAATAGTAGAGGTCAGTCTCAGGCCCTCCTCTTGGGTC	4
wt-153240-153360	1273	TTAGAATGGTGGCCGGGCTGTAATAATCTGAGGACGAGAGAGGGCCCGGAGTGTATCAAAGAGGCACCTGGAGGATGTTGGCCGCTCCTTGGAGCAGCTTGTGCAAAATATGATC	4
wt-153360-153480	1274	CACGGCCACGGGAACCGCTGCCCTCGGCGTAGGCCGGTCTCGGCCATCCTCGCTTCTTCCGCCCTTCACTCCCGCTGGGCTCCACAAAGCAGTACTGGATGCGGTCGTGGAT	8
wt-153480-153600	1275	CTGGGGCAGTTCTCGTTGCGTCCAGGAATCTCTGGTAGACGCCAGGTGAGGCATCTGGTGCCTTGTAGGCTGAGAGTTCGGGCTGAGGCTCCGTTGAAAAGCAGAGCTCCCGAT	4
wt-153600-153720	1276	GGGGACCTGCCCTCAGGAGGCTGTGTAGGCTGGTTAGGATGCAATGACGGGCAAAAAGCCACAGGTAGCCCTTGTGTAATGACTCTTGGAAAGGCGCGTGGGAGAGGAGGCT	4
wt-153720-153840	1277	GGCCGCTCTTTACCGGGCATCCGCCAGCAGGTCGAGCAGCGCCGGCAGCGTGTCTGCACAACTTGCAGGCCGCTTCCGGACGAGCTCCACCCCTTCTCAGGGTCTTGGCC	8
wt-153840-153960	1278	GTCCGTAGCACCCCCACATATCTTCTTGAATCAGCATTACGACAGGAGAGGCTTCTCGGCCCTCAGGAGATGGGGCCACAAACAGGCTCCGGGTGGTGTGGCGGCCAGGGC	4
wt-154080-154200	1280	GGAGGGGGCCAGGGCTGCAGGTTGGCGGGCTCAGGGCTCCACGAAGGCCTTGGCCCGCTCCAACATGCTGGCGCCCTGCAGCGTCAACCGTCTCGGCGATGGAGAGGCAGGGAAGAG	8
wt-154200-154320	1281	GCCGTTGGCCACCCCGTGAAGCCGTAGACGGCTTGCACGTGCATGATGGCCAGTCTGCTTGTGAGGATGTCCTTTGGCGCGGATCCTCGCAGGCCGCCAGCAGCTTCTTAAAT	4
wt-154320-154440	1282	GGCCTTGCCTTGGCCAGCCAGGAGGTCAACAGACTAGCCAAAGAGGACTCTGTCAGCTCTTACAAGGTGATAGACGCCCGCCGTTGAGCCTGAAGGACTCATAGTCTTCCCGG	4
wt-154440-154560	1283	GCGCAGGCCGCTAGCCTGTGCTCTTCCCGCGTATCATGGTGAATAACAGAGATTATGAGCCTGAATGATGCTCGGGTAGAGGCTGGCAAAGTCCACCACAGAACCGGGGAGTT	4
wt-154560-154680	1284	GTAGAATCCGGACAGGGGCTGGATGACGGTGGCCCGCTGGTAGCCGTCGCCGTCAGAGGCCAGGGCATGGGAGGATAAAGTTTCCCTTTGGCGCGCCGACGAGGAGGAGGAGAACAC	4
wt-154680-154800	1285	GCGGATCTGCTGCCCATCGTCCAGCACCCGCTGCAGGGGATGTGAGCGATCTTGGCAATCTTGCACCTCCACGTGGATACGAAATGGTTAGCAGATCCATGACCAGGGCCGAGTC	4
wt-154800-154920	1286	CTGCACGAGTACATGCCGAGCCGCTGCGCCCTCGGGCCGCTGCAAGAGGCGAGGAATCTCTTGAATGCACATCTCCTTCTTGGCCCCAGTAGGTGCTGCTACTGTGTC	4
wt-154920-155040	1287	CAGCTTGTAGTCTGAGAGGCTGACCTTGTCCCGCACAGCGGCTACATGTCATGGGATGAGGCGGATGCGGACCTTGGTGTGGCCCGCAAGAAGCCCTTCCCGCATCAGGGG	4
wt-155040-155160	1288	TGCTGACCTGCGCAGACGCCCCAGCCCTAATTTTCCAGAGAGGCTGGGTTGATGCTGTAGATGTGCTGGCTCTGTCCAGAATGATGGGCCAGTCAAAGTTGGCCACGTTGTAGCC	4
wt-155160-155280	1289	GGTCAACAATCTCCAGCTGAGGCTCTGATGAGCTGGAAGAAGGCGTAGAGCATGTCCAGCTCCGATGGGAAGTCTGACCTCAACCCCTCTATGCTTCCGAGGTGCCAGGCTCAG	4
wt-155400-155520	1291	ATCGAAGGCCAGGGCTGGTAGGAGGGCCAGGAGCTGTCTTACGCCGAGCCAGAGGTCGCCACCTCACAGTCTGACTCGAGCTCGGCGTACGAGTCCCGTGTGGAGGGGGGAT	8
wt-155520-155640	1292	GGCGCGCGGCGAGCTGTACCAGCAAAGGTGACAAAGTCAATGTCCAGGACAAAGCGCGCGTGGCATCCACGTTGGCCTCAAAGATCCGACACCCGCTGTGTCTTGCAGCCAGCTGGC	4
wt-155640-155760	1293	CACGTGACACACACTGTTGGGATGGGAGAGGGTGTCTTGTGATGCTGCGCGGATGTTGCCGTAGCCATAATGGAACGGCGCGTGACCTTCTCCACCCAGACCCCGCAGGGGGTCTC	4
wt-155880-156000	1295	ATCGGCTTGCGCCGGCCAGTAGCTTGTAGCAGTACCACATGGCACCACATACCCTGTTTATCCGATGGAATGACGGCGCATTTCTCGTGCCTGACACCGTCTCGAGTATGTCGTA	4
wt-156000-156120	1296	GACATGGAAGTCCAGAGGCTTCCGTGGTGTCTGCTCCGGCTTCCGCTGCGCTTGGGACAGCTGGCGCCACCACATGCCCTTCCATCCTGTCACCCCCACCACCGTCCAGGGA	8
wt-156120-156240	1297	GTCTTGGTAGAAGCACAGGGGGGCTGAGGCCCCCGACATCCACCACCCCTGCGGCCGCTGGTGTCTGAAACACTTGGGAATGAGACGCAAGTACTCCTTGTGAGGCTTTTCAGAAG	4
wt-156240-156360	1298	GCCTTTATTAGGCTTAGGAAAGGGTTATAGAAGAGTCCCCAGACATGGTAAAAGTCACTGCTGCTCCCAAGCAGTGGCGCGGGTCTCTGGATCGTATAGGCTCTTCTCGT	4
wt-156360-156480	1299	AGGCCTGGAAAACGGTCCCTGGCTGCTGCAATGCTCTGCTGGCACTGAGGGTCCGCGCGCCTCTGAGGCTGCTCTCTTTGCTCTCGTGTGTCATGACGCGCTAACATGATGGCT	4
wt-156480-156600	1300	TGTAATCTGTCTTACTAATGGGATTAATGCCTGGACCTCACCAGAGGATGTTGCTGAGCGAGTCTGCGATCCCGGGTAGAGCATGTCACCGGCTGCTGCGACATCTGGCGGCTG	4
wt-156600-156720	1301	CGCCTCTGAGGGAAATAACCAGGATCACCACCCCGCCACCAGGACCAGAATGAGCATGCCCGGAAGGGGTTTTGAAGAAGGAGATGAAACCAGAGACCAGGCTGCTAAACAACCC	4
wt-156720-156840	1302	CCCACCGTCTGACTAGGTTGGTGTGACTGACCCACGCTACCCAGACTGTCCATAAGTCCCCAGGGCCGTCACGAATGATTTCTCCGTTTGCAGCTGCATTTGCCAAATCCTTC	4
wt-156840-156960	1303	CGCAGGCCGCGATGTTTGGCGCTGGAAGTGTACTCCCGGAAGATGCCCTCCAGGTCAAAAGACCTTGGAGGACGCTGTTGCTCCCGTGGATACAGCTCCAGGAGGCAAAAGTCAATG	4
wt-156960-157080	1304	TCTCTGATGAGGAGGTTTGTGAGATGAAGTCTGCGAGGTCGCAAGTCCCTGAGGTCGCTGAGGCTGCTCTTAAAGTGGTGGTGTGCTGTTGACGCTGGATCTCGTTGCGGACTGGAAG	4
wt-157080-157200	1305	TAGTACTGGTGGTGGCGCACACCTCCGTCATCTTTTGTGAGGAAGATCTGCTGTGCGGTCGCCAGCTGTCCCTCGTAGGCTTGGTGTGCTGATAAAGCTGAAGGACACCAGG	4
wt-157200-157320	1306	GGGCGGAGTAGCACATGGTCTCGAGCCAGGGACCTCATGCTCTTGGCAGGGTACGGTGGCTGGTTAACGGGCACGCACTGGGAGACTGAGATGACATCCCCAGGCGCTTGGCC	8
wt-157320-157440	1307	GCCACCGCTTACCAGTAGTGTGACATGACGGTGGTGGATTAATCTTGGTGTGCTCTCAGCACCATGTTCTGCCTTCTGCTCCAGGCACCAGGCCCGCGCAAGTCTCCAGC	4

wt-157440-157560	1308	ATGCGGTTGATCTGGCGGCGCAGGGAGTCGTAGGCAAAATGGATCTGGACGGTGGCGGGATTGTTGAGGGTGCCACAGGACTTCCGGGGGGCGTGGGGGGCACCAGTGGTGGCGGTTTC	8
wt-157560-157680	1309	CCCGCATCCGCCCTCCGACGCCTCAGAACGCGCGCGGGGGTCTCCCGCGGGCCGGATGGGGCTGGGGGCGATGGACTGCTGGGGGGTGGAGAAAGTCGGAGTGGTAAGCTCCGTACAGG	8
wt-157680-157800	1310	TTCTTGACGGTGGCCAACGAGCGCGGGGTGAGAGGTAGCCAAAGTAAATAACAATCTCCGCTCGTTATAAAATATGTAATGGCTTCTGGCCCTTCTGTAAACGATCTGGACGGCCTCG	4
wt-157800-157920	1311	TACTTCTCATGCATGGTCTTTGTTACCTGCTCTCGATGCACCTTGAAGCGTCCGGGAGCTCTATGCCACAGGTTGTTGGTTCACGAAGCTAGAGGTGCCCTCGTCACTACAAAATGT	4
wt-157920-158040	1312	ATTGACTTCCCTGTTTCTGTGGCGATGGTCGAGTCAAAGGTTTGGCCAGTGTGAAGCGGGCAGTAGGCTGTCTGTCTCGAGCTTCCAAGATAGCGTGTAAAGTCCCTTGTCCAGGAAG	4
wt-158040-158160	1313	GCTCGGGCTTCCGCTTCCGGGTTCGCTCCGCTGGTTCGTAGTCCACTATCTTGTAGTTCTCAGTGGAAAGAGTTCGCCGCTCATGGAAGTTTCTCTATTTTCCCGTCATAG	4
wt-158160-158280	1314	AAAGGGGACATTTCCACAGTCTGCCCGGTGGTGTTCACAAAAGAACTGAAGCGGACCTGTTGGACTTGGCCATCATGTAGTATCAGGCAAGTTGACCGGTAGTTCCTGTTTAAAGTCCAT	4
wt-158280-158400	1315	ATCAACCACCCGGGGGCGTCATAGAGCTCCGCTGGCTGGCTAGCGGCGCACCCCGTGGCCAGGCCCGGGTGGGCTTATAGGTTGACGGTGTATTAACCTCGTCGGGTCTACATAC	4
wt-158400-158520	1316	ACGCGCGTCAGCCCATCTTTGTATCTTGACCGGTTGTAGCACTGGTAGATGGTATCCATCTGGTCAGTTTCTGTAGCTGTCAACGGGAGAAGTCTCCCTCGTCCGGTGGTACAGGAG	4
wt-158520-158640	1317	TCCCGCTACCAGCCATTGTAGATGAGAATGTTGGTCACTATCTTGGTGTAGGAGCGGACCTTAAACGAGTAGGGAATAATGTTGTCTTAAACACCATCAACAGGCCCTCCGTGTGATTC	4
wt-158640-158760	1318	TCCCGCTGCCAAACGAGGGACACTGGATGCCGAGGAGAAGCGGAACAGGTCGCCGTCAGCTGGAGAGTCCGACAGCTCGAAAGGAAAGCTGGTTGCTGACGCGTGGCGGTAGGCTGC	4
wt-158760-158880	1319	ACCGTGGTGGCGGGGGTGCGGCTGCTCTGGGGTCTGCGCACCGAGACGGCACGCCAGGGCGGCTTGGACTTGGCCATCATGTAGTATCAGGCAAGTTCAGCCCTAGCAGGAGTCTCTCTATTGGAGGTG	8
wt-158880-159000	1320	CAGGTAGAGAAGGGCATATAGATCCTTAAATACCCACCCCTGCCCTTATACAGAAGAAATAGGGGGCGGTGAGAGTGTACGTGAGGTAAGGCCATCCGGGGCAGGGCTGGCGGGG	4
wt-159000-159120	1321	GCTGACCGGTCGCCCGGGCGCAGGATCAAGGACCGCCCGAGGCTTGTGTTAGAGGGACAGGTTAGGAGCGCCTCGCGCAGCGCCCGGCACAGAATTGCTGGCTAGATGCCAGTGA	8
wt-159120-159240	1322	GCCCCGGGTACGCTGTAGAAGCTGTTGAAGGAGGTTCTATCCAGTGCCTCGGCTCGATGCTGGCCATATCAGGGAAGTCAAGAAATGCTTCTGGTGGGGCAGGCTACCTGCGGCGTC	4
wt-159240-159360	1323	ACAGCAGCGAGCCAGGGCCACGTTGCTGGTGGGGGAAAGAGCCGCTCTCTCCCGCAGGGGCCCGGTGATGAAGGTGTACAGGCTGTGCGTCAAGCGGTGCAGGTGCTCCGAGCTCAG	8
wt-159360-159480	1324	GGTCTGGGTAAACAGGTGTTTTGATGTACTTGAATCTCAAAGCGGCGACCCCTCGCGGCGCGCCTGTCTCCAGGGACCCGAGACGAAGGCCCTCTGTAGAGGAAGTGGTTGCG	4
wt-159480-159600	1325	CATGCGGGCCAGCTCCAGTAGACCACGTCACCCAGACGCGCAGGACAGGGTCTCGGTGAGGTTCTCGCTCTGTTGCGCCAGGCAGGACTGCAGCTTGGCCAGACCCTCGGTGGCCAC	8
wt-159600-159720	1326	CTGGCGCAGTACTGCTCTTGCCTTGGCCTTGGCCTGAGCGCTCCGAGAGGGCGCGGACGGCGGGCTCTCGTGCACAGCCGCGGGGGCAGCTCCGGGCTCTCCGGGACGCTCTCTCGCC	12
wt-159720-159840	1327	TGGGCGCAACCGCTGCATGGCTGGTGTAGCGCGGTGTACAGCTCGTCTCTTTTGGAGGATGGCCCGTACTGGGGTGGCGCGTGAAGGGCGCGGGCGAGTCCGCCTTACGGCCTC	8
wt-159840-159960	1328	CACCGGTCGCCCGAGGAGCTGTAGACCCCGCGCAGAAGAGCCGCTCCGTGGCCCCGGGACCCAGCGGCTCAAACAGGTGAGTACGCTTGGCCCCCGCAGCGCCCTCTCGCAGGGCCC	8
wt-159960-160080	1329	CGCACCGGGCCAGGCAGGCTCCGGGCAACAGGGCAGAGAGGGGGAATGGCCGACCCCTCCCGCTGGCCAGTACAGTGGCCGCGAGAGTCCAAATAGAGGAGGCTC	8
wt-160080-160200	1330	CGAGAGCTCCGCCACCTCCGGGGCACTGTGAGAAAGAGTGTAGGTGTCCAGCGCTTGGTGCACCCCTCTGCCTCCGGCCCGGGGGCCCGGGACCAGCGCCCTCTTGGGCGGCC	12
wt-160200-160320	1331	CGGCTCGCTTCTCTCAGCTCCAAAGGTGCCGAGCCCGCTGGCGGACTTCAATCTCAAACAGTCCCGAGACCGGCTCCGATCACCGGCACCGCCAGGTGGTTACAGGAGAC	8
wt-160320-160440	1332	GTGGGTCCCTTGCCTGGAAGGGTGGCGTGGTGGGCGAAGCAATACAGCTGCCACACAGCGCCAGAGGGCAGAGAGGTGATGTAGAGGCGCGGGTCTGGGATGGGACTTACGCC	8
wt-160440-160560	1333	CGAAAGCGGCCAGCAGATCCAGGGCCCTTCCAGGCTTCCAGCCCATGGTGTGAGACGATGCAATAAAACAGCTATTGATTCTCTTCAAATAAATCTCTATGTCAATTATTAGGCA	4
wt-160560-160680	1334	CAAATTCATCGACTTTATGCCCGTAAAACCTCACAGATACGCGACTGAGGGGTACGGAGAGGGCGGACCCGGTACCCTTTTACAGGGGCGAGCAGCGCGGCGAGGCGCTC	4
wt-160680-160920	1336	CACCACCGCAGCCAGCTCCAGACTCCGGGGTCCAGCCGGGTGCACACGCTACAGCTAACCGCCAGGGCGTACACTGGCTGTACGCCCGCCGAGCAGCCCGACATCGCCCGCCAGG	8
wt-160920-161040	1337	GGTCTAGACCTCGAGTCCGGGGGAGAAGGTTGGCCAGACGGCGTTCGCTGCTGCCCGGAGCCCTGCCCTCTCCACCCAGCAGCAGCCCGGGCAGGCGTGCAGCGGTTGCTGACC	8
wt-161040-161160	1338	GGCTCGGCCACGCTGATAAAGTGTCTGGGCTGCCCGGGCCACCCACACTCCCTCCAGAAAGTCCCGAGCGGCTCCGCCGTCCACTCTATCCCGCTGGAGGCAATGGTCGCCAGG	8
wt-161160-161280	1339	GTTTCTAGGACGCTGTCGCCAGGACGGAGAAGCGGCCAAATAAGTACTCCCGCTCGTCCCTAGTCAGCGAGGGCGATGCTCGCCCATGGCATCCACAAGGTTGCACACCACATCAAAC	4
wt-161280-161400	1340	ACACAGTCTTCTCTGTTTTGATATAATGGCTCCAGGCCAGCCCTGATGTTCTCAATCTCATATGTGTCGCGGCTGGTTCGGCGCTTACGGTCAACCCTAGGTTGGGGTG	4
wt-161400-161520	1341	GCAAAGACAAACTTCTCCGATGGAAGAGCCCGGCTGCTTGCAGACCCAGCCCGGGGGCTGACAGCAGGTTCTGTCCACGCCCGGGCCATAAAGTATCCAGGTTCCCGGCC	8
wt-161520-161640	1342	TGGAATATCTGGTGTGGCGTTGACCCCGTACTTGTGATGGTCACTGGCAGCGTGACAACCCGAGCGGCGTTCAGACCTGGTAAGACAGTCTGTGGCCGCGCAGACCACCGTG	4
wt-161640-161760	1343	GTGCGAGTAAGGGAGGAGTGGCTCCGCTGAGCCGCTGCCACTCCACCGCCCGGCTGCCAGTACGTGGGGTAGTCACGGGCGGGCAGGACTGCGTCTCGCCACCAGTCCCTGA	8
wt-161760-161880	1344	ATCAGGCTGATGTAGAAGTGGTCTGGCCGACGCTTCCAGGATGGCGTGTGTTGAGCCTCTGCTTGGCGTAAGTACCAGGTTGCCAGGCACCCACATGTATGACGTTGCTCTTCTGGG	4
wt-161880-162000	1345	GCCCGGGAGCCCGTCCAAAGAGGGCCAGGTCAAGTACTCTCCGCGTGGCCCGCTGGGACAGGGACCGAGCGCCGCTGAAAAGTGTGCCACAGGTACAGGCTTGGAGC	8
wt-162000-162120	1346	TTAGTGTCCGGGAATAGGGTCTTGTGGTAGGTGTTGAGGAATTCATGTAGGGCCCGTGTGATGATGATGTTCTCCCTCTGGTAGTGGACTTGTGAAGCTGTTCTGGAGGGCGCAATC	4
wt-162120-162240	1347	TCCCCCGTGAAGACCACCTGTTCTTGTATGTTGATGTTCTGGGGCACAGCATCAGCACCTTGGACATGCGCACAGGCGAGCCCGGGCGTACACCCGGCCCTGCAGGGCCGCTCCAGG	8
wt-162240-162360	1348	TCTGGCAGTTCGAGGTGGGCTCCCATGCACCACCTTGGCCTCTTGGCCGTGAGGACCCCTTGTGATGGCCAGGCTCCTAAAGTTGGTGCACAGCGTCTGGTAGTACCCTTTAGC	4
wt-162360-162480	1349	CACCTGGGGGCTCTGGCCAGCCCGGGGTTGTCACTTCTATAGCACATACAGATGGCCAGGGAGATGCTGCAAGGATGGTCAAGTGTGAGCGGTAACAACAGCTGGGTGAAGATGGGG	4
wt-162480-162600	1350	CAGGCGGGCTGCGCAAAGGGGTTGCACAGTACTGCATCAGCTGGTAGCAGCTTGGACAGGTCCTGTAGGTGATGTTGTTCTTGGCCATGCTGTTCAAACTGGACCCTTGGCGG	4
wt-162600-162720	1351	TCCAGTCCGCGCATCCAGCTCTTGAACACTTGAACAAGTCAAGCGGGCCATGGGGCTCCTTCTAGCTTCCCTCAGCGTCTATGCCAGGCCGAGACAGCCGCTCCAGCAGGTTCTGG	4
wt-162720-162840	1352	TTCAGCTGCCAGTAGGTGTAGCGGGCTCGTCCGCGGCTGCCCGTCCGCTCTTATCGATGAAGTTGAGAAAGTTGCCAAAAAGTCCGCTCTGTTGAGGAGCCCGAGGCCCC	4
wt-162840-162960	1353	GAGATCACATAGGGTCCCTCCGCTGCGTGGACATGACGGGGGGAAGCGGTCCCTCAGCTAAAGAAGAGCGTGTTCAGGCACACGGCCGGGGCCCGCCCTCGCAGAGCGAGCACATG	8
wt-162960-163080	1354	GGACTGGCGGCCCGCCCGCCACGTAGCTGCCGCTCTCCGACCCGGGTGAGAGAGCTTCTGTCCCTGGCAAACATGCAGGTAGTAGGATAGCGGGGCAAGAGGTTGGGCGAGAAAG	8
wt-163080-163200	1355	GAGGCCCATAGACCAGGTGCTCCAGCAGGTAGTTCCCGAGCCGTTGGTTCGGGTGACGCTGGCCACCCCGCCGAGAAAGCAGGGTCCGGCGCAGGGTCCAGGTCCTCCCTGTC	8
wt-163200-163320	1356	AGGGTCCCGAGGCTGGGTCTATAGAAAGTCTTAAAGAGACTCTTCCGCTGACCGGCTTCTGACAGCCCGGAGACGCTAGAGGACGGAATGGTGGCAAGATCTCGCTGGAC	4
wt-163360-163680	1359	ACCTTGGCCACTTGGCTGCTGACAGCTTCCGCTTCCAGCAGCTCCACAGCTTGGCCACCCGTCGAGCGCGCAGCGCTGCCAGCCCGGTTGACAGCGCCCTCGTGCATGCAG	8
wt-163680-163800	1360	CGGCTGAGGTCGAGTTGTAACAAGTGGCGGAGCTGGGGCACGCCCTCTGGGAACACCTCTTGTGATAGAGCGGGACCCTAACGCTCGCAGACTGCCACCCGCTACCTCTGTTTTAAC	4
wt-163800-163920	1361	GATGGAATGGCCACCAGGTTTCCGCTGTAGAGTGCCTTGAAGGCCTCGGTTATTGCCACCGCCCGAGTAGGCAGAGGATCTAGCCCTCGGGGAAGAAGTCCCGCGCTGGAG	4

wt-163920-164040	1362	CTTCCCTCGGTAGGGCGTGTAGGCGTGTACCCAACACCTCCTGGTCTCGCCACAGAGGGCCTCGAGACCAGCCCTCAAAGATGGGGGAACCATATGGGCATTGTGGAACACG	4
wt-164040-164160	1363	TAGATGTCCTGTGATAGGAGTACGCGTAGGAGCCCGCAGTTGGGGTGGGGCTCCTGTGCAGAGCCTTGACATTTGATGCTGAAGCCCGGCTCCACGGTGATGCCCAAGGAGCGGC	4
wt-164160-164280	1364	ACCGTCAGGCACCTGTGGCCCGGTAGCCGGTCCCAAGTGTGGCCACCTCCCTAAGAGGGTAGTGGCCAGGGGTAAAAGTAGATGTAGCCGCACGGACCCGGCTGGCTGGCTGCC	8
wt-164280-164400	1365	AGATTATCCTCGCTAGTCTGTGCACCCTGCATGATGCCAAGGTATCGCCCGGCTCCAGTCCACATTAATGTTACACTTTACTCATCACGCAACACCCACTGTTTATTATTAC	4
wt-164400-164520	1366	AAAGATTTCAAGAAAGTCAAGTCAAGCTGGCCAGGGCCACGTCACGGGAACTGACGCTCTCAGCGATCTTGGCATGCCGCCAGCCTCGCAAAACAGAGCTGCGATAGAGGGCCAGGTAG	4
wt-164520-164640	1367	TGGCGGATGCCCCAGCAGCAAGCGCGCTCTTGTGGTCACTCAGGTAGTTCCGACCCAAACACTGTGTAGCACAGCACCCCTGAGCCGACAGTGTAGTGGTGTG	4
wt-164640-164760	1368	TTGTACACTGCGCGCAGGACGCTGATGATGAGCCGCTACGTCGCTGCTTTGCCCCGATGTCGGCTGTCTGTCAGGCCAGCTCCGGGTACAGCTTCTATCCTTCTCAGGAGGGCTTG	4
wt-164760-164880	1369	ATGAGCCGGCAGAGGACCAGGGCTGGCAAAGGCAGGTCTTTCTCATCCGGGTGAACACCGCTACATGGCCCTGAACATGAGGTAGCTGGACTCAGCCACCTTGTGTCGGCGCGCGAG	4
wt-164880-165000	1370	GGCGCAGCCACGCTCGACCAGGGTCTCACAACACAGAATCTGTAGACTTGGCTGGCTCATGGTCTGTCAGGCCAGCTCAGGGCTCAGGCTTATATGATAAAATGGCGGTGGC	4
wt-165000-165120	1371	AGAATAGTATAAGACCGCAGGCCTGGGTGAGGAGTCCAGAGCAATGGCCAGGTTTCATCGCTCAGCTCCTCTGTGGCCCTCTGTGTGCCGCCGGCCAGGCTGTACCCTTTCTTG	4
wt-165120-165240	1372	GGTAGCAGTACCCCTGACCTCTACTGGAGGAGGTGAGCTCGTCCGTCAGAGATTGAGTCACTGTGTTAACTGGCCAGGAGAGGAGCAGGTGCTTATTGGCCGATCACCAC	4
wt-165240-165360	1373	GATGTCATCTTTATAGAGTGGCCTTTACGGGCTTTTGTATCCACAGAAGTCCCAACCTCTTTTGTAGTAGTCCAGCCTGCCAATCTCCCTAGACGGCAACTACCTGTGCGCG	4
wt-165360-165480	1374	ATGAAACTGGCGAGACCAGGTACCAGAAGCAGAACCTGAGCGTGGTGAAGCTCTAACGCTGTCTGCCACTCCGAAAGGCTCAGTCCCAGACTTCTGTCTTACTGTGACA	4
wt-165480-165600	1375	TGCACCGTGAATGCATTTCCCCTCCACAGTCCAGTGGCTCATGCCGAGGGCTGGAGCCGACCAACTCGGGCAATGGCGGTGTTATGAAGAAAAGGATGGAGGCTCTGTGT	4
wt-165600-165720	1376	GCTGTTGACCTGTCACTTTCCCAAGCCCTGGCACCTGCCAGTGAACCTGCGTGGGAAAAATGACAGGAGGAAGCCACGGGTTTATGTTTCTGGATACTGTGCGCAATAAAGCAGCTTG	4
wt-165720-165840	1377	CCTATTTACCTTGTGTTAGTGTGGCATTGGGGGGTGGCATTGCGGGTGGATAGCTCGGACTCGTGGGAAAATGGGCGAAGGGCACCGTGGGAAAATAGTTCAGGTGACAGCAGC	4
wt-165840-165960	1378	AGTGTGTGAAGATTGTACAGCTCTGGTGTGGAGAAAACGGGGTGGCGGTGATCAGGGAGAACAATCCCGGGGACACCTGCACGAGACCCCTGGGCTCTCAGGAACTCCGCGCG	4
wt-165960-166080	1379	GTCTTGCAATTGGGGTGTCTGTAGCGCCGCGTTTACAGCATCACAGTTATTTTGCCTGAAGCTGTCTGGGGCTAAATCCCTCTCGCTTGTCTCAGAGAGCATTTAGGCGCG	4
wt-166080-166200	1380	TTTTGCAGTCGCTGTGCAGCTATGGGTCCCTAGAAATGGTGCCAATGGCGCGGGTCCCTAGCCCGCGGGATCCGGATGGTACGATGGCGGAAACACTCCCAATATCCATC	4
wt-166200-166320	1381	TGCTTCTGGCTCTTCTGGGAAACACCCACCCACCCAGCAGTGAAGAACGTAATCTAATGAAGAGCCCAACCGCTTATGAGGACCCATATGGGGCAATGGCGACCTGACTCGGA	4
wt-166320-166440	1382	CTATCAACCACTAGGAACCAAGATCAAAGTCTGACTTTGGATTGCAACAGCAGGGAATGACGGGCTCCCTCCCTCCCTACTCTCCACGGGATGACTCATCTCAACACATATACGA	4
wt-166440-166560	1383	AGAAGCGGGCAGAGGAAGGTAAAGTGCATCTATCTGACTTTTATTTATGATCACAAGTCACATCAATAAAGGGGCGCATCTAGCGGGAGATGTTATCCACACCTCCAATTC	4
wt-166560-166680	1384	ACATCTCAGGACAAACAGGTCAAAGTCTTTGTTGACACCCAGCGTGGCTCCAGGCGGGTGAAGCGTTGGATGCAGTCTCCGCATCGGGCGGACGCGCTCCTCCAACGCTTTCT	4
wt-166680-166800	1385	GCGGATCAGTCGCTGGCTGGTGGGCATCGGAGTGGTGGCGGCTCCACGGGACACGCTCTTCTTGGCCTTGTCTTTGACCTTTTGGACATCTTCTGAAGGAACGGCGGAGAGT	4
wt-166800-166920	1386	AGCGTAGAATCCAGCCAGTGGTCTACCCGGTGCATGTTGGCTTCTAGATGAGGAGCAGGCATAAAAGTCCAAACAGGACACAGAGTACCACAGGAGTAGTCTTAGTCTGCTGACGTC	4
wt-167040-167160	1388	GCACAGCTGTTTTCGTGGACTTTATACAGTAAGGACAAGGAAAGAGGCCAGGGAATGTGAAAGATGAGCGAGGACAGGTGGAGGTTTTGGGCTAGCTCTTAGTCTGGGTGTG	4
wt-167160-167280	1389	AGAGAGGGATTAAGTGCTTATGCGCAAGAATGTGCAACAACAGGTGTTCTCGCTCTGCTGGCATGAGTTAGGTGTTGGCTGGGCTGAATCAAATGTGATTGGCACAAGATGAA	4
wt-167280-167400	1390	AGCAAAGTTGCTGGAGTTACTGGGTGGAGACAGGGATGTATGTGGTCCCGGCTGGATGCCAGTACCCCTGTGGAAGTAAAGGGCCCTCATCTGCCTGGTAGTTGTTGTGTCAGAGGTC	4
wt-167400-167520	1391	TGATGTGTAGGAGGGTGGTTCAACGCAGGGCGTGGTGGCGGAGTCTGGCAACGCCGGTCTTGTCTACCTGTGTGGTGTGTTAAGGGCTGGTAAAGGTGTCTGCCAATTCTC	4
wt-167520-167640	1392	GCATGCTCCCTTTCCCTTGTGTTGAAATAGAAATGAATGTGGCTTTTTCAGCTAGACAGCAGTGGGCTAAGGGAGTGTGTGCCAGTTAAGGTGATTAGCTAAGGCATTCCAGTA	4
wt-167640-167760	1393	AATGGAGGGAGAGTCACTCAGGCAAGCCTATGACATGTTAATGCCTAGAAAGTAAAGAAAGGTTAGTCATAGTACTAGTGAAGTGGGCGTGGGGTCTGTCATCTCCACCGGAA	4
wt-167760-167880	1394	CAGAAGAACCAAAAGCAGCGTAGGAAGTGTGGATCACCGCCCATGGCGGAATCATGACTATGACCAGCCCTCCGCTGTGCATCAAAGCGGGCCCTGGTCACTCTTTGTTTT	4
wt-167880-168000	1395	CAACCTCTCCGTCATTTGAGGGCCCTCCATCAATTTCCAGCAGAGTCCGATGGGCTATGAGGACGGGGCTATGAGGAGGGGCTATGAGGAGGGGCTGAGGAGGGGCTGTTG	4
wt-168000-168120	1396	CATCAGTGTGTGAGGGTCTGAGGCAGCGGTCATGTGGCCATTGTCATCAGTGTGTCAGGGTCTGTGGCCATTGTCATCAGTGTGTGAGGGTCTGTGGCCATTGTCAGGAC	4
wt-168120-168240	1397	CACCTCCAGGTGCGCTAGGTTTTGAGAGCAGAGTGGGGTCCGTCGCCGGCTCCACTCAGAGCAGGTGGTGTCTGCCCTCGTTGGAGTTAGAGTCAAGTTCATGCCAGAATCATCGG	4
wt-168240-168360	1398	TAGCTTGTGAGGGTGCAGGAGGGAGTCACTGTTGGTGTTCATCACTGTGTCGTTGCCATGTAATACATCCAGATTAAAATCGCCAGAAACAGGAGGCAAAAGGAGATCAACCA	4
wt-168360-168480	1399	ATAGAGTCCACAGTTTTGTTGATAGTAGAGCAATAATGAGCAGGATGAGGTCTAGGAAGAAGGCTAGGAAGAAGGCCAAAAGCTGCCAGATGGTGGCACAAGTCCGACAGCATCT	4
wt-168480-168600	1400	CCAATAAGTAGATCCAGATACCTAAGACTGCGTTGAAAAAGAGTGTAGGGTGGAAAAGTGGGGTGTGGTAAATAATCTCAGGGAATGTAGATCTTCAAGTAAGCACCCGAA	4
wt-168600-168720	1401	ATGAACAGCACAATCCAAGGAACAATGCCTGTCCGTGCAAAATCCAGAGAGCGATGAGCAGGAGGTGACTGGGAAAGAGAGAAAGTGCCTTAGAGAAGGAAGAGTAAGGAAAGGG	4
wt-168720-168840	1402	GGTGTGGGCAAAAGGTGTAATACTTACTCATCAGTAGGAGTATACAAAGGGCTCCAAGTGGACAGAGAAGGTCTCTCTGAAGATAAAGATGATCAAAATATAATTATAAGCATGAGA	4
wt-168840-168960	1403	GCAAAGGAATAGAGGACAAAGGAGGCTCCTCCAGTCCAGTCACTCATAACGATGTACAGCCAAAACAGTAGCGCCAAGAGGAGGAGAAGGAGAGCAAGGCTAGGGAAGAGGAGGGGG	4
wt-168960-169080	1404	GTCCTCGAGGGGGCGTCCGGGGCCCGTGGGCCCTCTCAAGTCTGTTCATCTCAGGCAGTGTGTGAGGAGCAAGGAGTGTAGGAAAGAGGGGGCAGAGCAGTGTGAGAGG	8
wt-169080-169200	1405	CTTATGTAGGGCGGCTACGTACAGATAACCGTGTCTTGGGATGTAGGCCCGGGGGATTGGGGGTTGCCCGGAGGCAGTACGGGTACAGATTCCGAAAGCGGGGCTGTGTG	4
wt-169200-169320	1406	TGCATGTAAGCGTAGAAAGGGGAAGTAGAAAGCGTGTGTTGTTGTAAGAAAGCGGGTCCCGGGGGCAAGCTGTGGAAATCGGGTGGCCAAGTGAACAGGAAATGAAAGGCAAGTGC	4
wt-169320-169440	1407	GGCAATCAGAAGGGGAGTGCAGTGTGTTGGAAAGCGCAGTGAATCTGCACAAGAGCGCGGGCGGCAACGTTGGGAGTGTGTCGGCAGGCGGGAGCCGTGCTTAGGG	4
wt-169440-169560	1408	GGGTTCAAGTGAGGCAAGGCTGTGGGTAAACCTAGGGGAGGGGGTAGGCGGCTAAGAGGCTAAGGTCGCGGGTGAACAGCAGCAGCGGCAATGGAAATTTAGAAATGAG	4
wt-169560-169680	1409	GTGGCGGATTCAGGCGAAAAGGTTGGGGCTGCGCAGTGTGAGGCGAGCGGAAAGTCTGCGGCTGTGGGGATGGGGGCGCGCATCTCTGAAAAGTGGAGGGGGCG	8
wt-169680-169800	1410	TGGCCCTCCCGCGGCCCCACGGCCCGCAGACAGCGCAGTACGCGCGCGGGGCTACGGGCTCGGGGCTCGGGGCTCCGGGCTCCGGGCTCGGGGCTGGCGCGGACGTTTC	4
wt-169800-169920	1411	CGGGATCGGGGGTGGGGGGCGCCGCGCGGCGAGCCATGCGTACCGTGTAGGAGGGGCGGCGCAGGAGGTTGTTGTTGGGGGCGGAGCGGGGGCGCGCGGGAGCCT	12
wt-169920-170040	1412	GCACGCCGTTGGAGGTGAAATGACAGGGGGCGGGACAGAGGGGCTCGCGCCCGGGCGCCAGCCAAAGCCCAAGGGGGCGGGAGCGGGCAATGGAGCTGACGAAGGGCC	8
wt-170040-170160	1413	CCAGGGCTGACCCCGCAACGTGACCCGGGGCTCCGGGTGACCCAGCCAAGCGTGACCAAGGGGCCGTGGTGACACAGGCAACCTGACAAAGGCCCCAGGAAAGACCCCGGG	8

wt-170160-170280	1414	GGGCATCGGGGGTGGGGCATGGGGGCCGCGCATTCCTGAAAAAGTGGAGGGGGCTGGCCTTCCCCCGGGCCCCCAGCCCCCGCACAGAGCGGCGTACGGCGGGCGGGCGGC	12
wt-170280-170400	1415	GGGGGGTCCGGGTCGCGGGCTCCGGGGCTCGCGGGCGTGGATGGCGCGACGTTCCGGGATCGGGGGTGGGGGGCCCGCGCGGGCGCAGCCATGCGTGACCGTATGAGGGG	12
wt-170400-170520	1416	GCAGGGTCGAGGGGTGTGTCTGGTGGGGCGGGAGCGGGGGCGGGCGGGAGCCTGCACGCCGTTGGAGGGTAGAATGACAGGGGGCGGGGACAGAGAGCGGTCCGCCCCCGGCC	12
wt-170520-170640	1417	GCGCCAGCCAAAGCCCAAGGGGGCGGGGAGCGGGCAATGGAGCGTGACGAAGGGCCCCAGGGCTGACCCCGGCAAACTGACCCGGGGCTCCGGGTGACCCAGCCAAGCGTACCAA	8
wt-170640-170760	1418	GGGGCCCGTGGGTGACACAGGCAACCTGACAAAAGGCCCCAGGAAAGACCCCGTGGGGCATGGGGGGCCCGCATTCTGGAAAAAGTGGAGGGGGCTGGCCTTCCCCCGGGGCC	8
wt-170760-170880	1419	CCAGCCCCCGCACAGAGCGGCTACGGCGGGCGGGCGGGGGTGGGCTGGGCTCCGGGGTGGGCGGGTGGATGGCGGGACGTTCCGGGATCGGGGGTCCG	12
wt-170880-171000	1420	GGGGCGCGCGGGGCGAGCCATGCTGACGTTAGAGGGGCGAGGTTCCAGGGGTGTGTCTGGTGGGGCGGGAGCGGGGGCGGGCGGGGAGCCTGCACGCCGTTGGAGGGTAG	12
wt-171000-171120	1421	AATGACAGGGGGCGGGACAGAGGCGGTGCGCCCCCGCGCGCCAGCCAAAGCCCCAGGGGGCGGGAGCGGGCAATGGAGCGTGACGAAGGGCCCCAGGGCTGACCCCGCAA	12
wt-171120-171240	1422	ACGTGACCCGGGGCTCCGGGTGACCCAGCCAAAGCGTACCAAGGGGCCGTTGGGTGACACAGGCAACCTGACAAAAGGCCCCAGGAAAGACCCCGGGGGGATCGGGGGTGGGGC	8
wt-171240-171360	1423	ATGGGGGGCGCGCATTCCTGAAAAAGTGGAGGGGGCGTGGCCTTCCCCCGGGCCCCAGCCCCCGCACAGAGCGGCGTACGGCGGGCGGGCGGGGGTCCGGGTCCGCGG	12
wt-171360-171480	1424	GCTCCGGGGCTCGGGCGGTGGATGGCGCGGACGTTCCGGGATCGGGGGTGGGGGGCGCGCGGGCGCAGCCATGCGTGACCGTGTATGAGGGGCGAGGTCGACGGGGTGT	12
wt-171480-171600	1425	GTCGTGGGGCGGGAGCGGGGAGCGGGGCGGGGAGCGTACGGCGGGTGGAGGGTAGAATGACAGGGGGGGGACAGAGGGGGCGGGCGGGCCCGCCAGCCAAAGGCCCAA	12
wt-171600-171720	1426	GGGGGGCGGGAGCGGGCAATGGAGCGTGACGAAGGGGCCAGGGCTGACCCCGCAAACTGACCCGGGGCTCCGGGTGACCCAGCCAAGCGTGACCAAGGGGCCGTTGGTGACACA	8
wt-171703-171823	1427	GGCCCGTGGTGACACAGGCAACCTGACAAAAGGCCCCAGGAAAGACCCCGGGGGCATGGGGGGGTGTGGCGGGGGCATGGGGGGTCCGATTCGCCCTTATTGCCCTGTTT	8
wt-30-150	1428	TTCTCTTTCGCCGTTCTCTTCTTAGTAGTAATCCAGTATGCCTGCTGTAATTGTTCGCCCTACCTCTTTTGGCTGGCGGCTATTGCCGCTCGTGTTCACGGCCCTAGTTAGTAC	4
wt-150-270	1429	CGTTGTGACCGCCACCGCTTGGCCCTCTACTTCTACTCTTGGCAGCAGTGGCCAGCTCATATGCCGCTGCACAAAGAACTGCTGACACCGGTGACAGTGTCTACTGCGGTGTGCAC	4
wt-270-390	1430	TTGTGAGTACACAGCACCATTTACAATGCATGATGTTCTGGAGATTGATCTGTCTTAAACAGTTCACTTCCCTCGCTTTTCTCCTCAGTCTTTCGCAATTCGCTAACATGGAGATTGA	4
wt-390-510	1431	GGACCCACCTTTAATCTCTTCTGTTTGCATTGCTGGCCGACGTGGCGGACTACAAGGCATTTACGGTTAGTGTGCTCTGTTATGAAATGCAAGTTTGACTTCATATGATGCCTTG	4
wt-510-630	1432	GCATGACGTCAACTTTACTTTTATTCAGTCTTGGTGTGCTTGTGCTCTGATACTAGCTACAGAGGAGATGGCCCGTTTACTGTTTGTGGCGCATCATGTTTTGGCATGTGT	4
wt-630-750	1433	ACTTGTCTCATCGTCGACGCTGTTTTGACAGTGAAGTCCCTCCTTGGAGCTGTAAGTGTGTTTCCATGACGCTGCTGCTACTGGCTTTCGCTCCTGCTCTCGCCAGGGGGCCT	4
wt-750-870	1434	AGGTACTCTTGGTGACGCCCTTTAACAATGGCAGCAGTAAGCCACAGTGTGACATTCCTGCTTTTGGCCACATGTTTCTGGACACAGGACTAACCATGCCATCTCTGATTATAG	4
wt-870-990	1435	CTCTGGCACTGAGCGTCACTGATTTGGGCACACTTAAGTACACACTTGCCTTCTCATGCTCTTGGACACTTGGACACTTGAAGTTTTCCCTTCTTAACTCACTTGTCTTTT	4
wt-990-1110	1436	GTAATCGCAGCTCTAACTTGGCATCTTTTTACAGTGGTTCCTGATTGCTCTTCTGCTCTTATGTCCTACTGAGCAAGATCCTTGGCAGCACTGTTCTATATGCTCTCGCACT	4
wt-1110-1230	1437	CTTGTGCTAGCCTCCGCGCTAATCGCTGGTGGCAGTATTTGCAAAACAATCAAGAGTTAAGCAGCACTGAATTTATACCAGTGAGTATCTATTGTTACTCCTGTTAGTTGAA	4
wt-1230-1350	1438	GAAAAACAAGCTATTGGATTGTAACACACATTTTACGCTTTGTCCTTAGATTTGTTCTGCATGTTAATTAAGTGTGCTGCTGGCACTCTTCAATCTTGCTATCTGACCAAGTGGGGC	4
wt-1350-1470	1439	AGTGGAAATAGAACATACGGTCCAGTTTTATGTGCTCGGTGGCCTGCTCACCATGGTAGCCGGCGCTGTGGTGGTACCGTGATGTCTAACACGCTTTTGTCTGCTGGATTCTTACA	4
wt-1470-1590	1440	GCAGGATTCCTGATTTTCTCATTGGTAAGTGTGACACCAACAGGTGTGGCTTGTATGTCACCGTCTGACACATGACTACATGGGTTTGGCTTTTGTAGGCTTTGCCCTTTTGGG	4
wt-1590-1710	1441	GTCATTAGATGCTCCGCTACTGCTGCTACTACTGCTTACACTGGAAGGTGAGGAGCGCCACCACCCCATATCGCAACACTGTATAAAGGTAAGTATTATAAATTTAGAGACACT	4
wt-1710-1830	1442	ATCACGTGTAACCTGACGTGCAAGGATGGAAGAGAGGGGCGAGGAAACGCAATGCCGTTTGGCCGATGGGGGGCCGTTATTATGGTAAGGCTCTCGGCAAGATGGAGAGGCAAA	4
wt-1830-1950	1443	CATACAGGAGGAAAGGCTATATGAGCTACTCTGACCCAGCCTCCGCGCTCGGCTAGACCCGGGGCCCTGATTGCTGAGAACCTGCTGCTAGTGGCGCTGCGTGGCACAACAACGA	4
wt-1950-2070	1444	TCCCAGGCCTCAGCCTCAGGAGAGGGCCAGAGAAGTGGCCCTGTTGGCATTCTACTAGGAAACGGCGAGCAGGGTGAACACTTGGGCACGGAGAGTGCCTGGAGGCCTCAGGCAACAA	4
wt-2070-2190	1445	CTATGTGATGCTACGGACCACTGGATGGCAAGGCCTCCACATGGTCCGCGGAAATCCAGCAATCTCTGCACTCTGGCGCCACGTACGTGCTTCGCTGGAGATGGGACAGCA	4
wt-2190-2310	1446	GTTTGGCTTCGAGGTGCATAGAAGCCGGCCCTCTCCGTCAGTTCCAGGCCATCACTACCTTGTCTGTTTTGACAACGCCCTTCGCAAGTACGATTCCGGCCAGGTGGCGGGCGCTT	4
wt-2310-2430	1447	CCAGAGGGCCCTTCTGGTGGCGGGCCAGAGACCGCTGACACGAGGCCGGACCTCCGCAAGCTGAATGAGTGGGTGTTTGGTGGCAGGGCTGCTGGTGGCAGACAGTGGCCGACGAGCT	8
wt-2430-2550	1448	AAAGATCGTGTCCGCGCTGCGAGACACTTACTCGGGCCACTTGGTCTTACGCCACGGAGACCCCTGACACATGGAAGGTGTTGAGCAGGGACACACAGCCGCTCATAGTTGGAGCA	4
wt-2550-2670	1449	CGGATTCAATCATGCCGCGGGACCATCCAGGCCAACTGCCACAGCTGTTATGAGACGCCAGCACCCCGGCTCTTCCCTCGTTAATGCAATAGCATCATCGCTGGCTGGTACTA	4
wt-2670-2790	1450	CCAGACCGCCACCGCCCCGGAGCAGATGCCAGGGCGGGCGCCGGCCCAACAGGCCTTTACAGCACGGCGGGCGCTGAATGCCATGCCAAAAGCGGGTGGCGGCTGGCCGGCTT	8
wt-2790-2910	1451	CTACAGGACCATCAACGCCACGCTCAAGGGAGGAGAGGGCTACAGCCCACTATGTTTAAAGGGGAGCTGGGGCCATCAAGCACAGGCACTTGACACTGTGAGTATGACTACGGCCA	4
wt-2910-3030	1452	CTATCTATAATGTTGGGGCATTCCAGCCATGGAGCGGACTGACGGCCCTCCGTGCCCTACGCCAAAGTTTACATGGGCACAGCGGGCGTGCAGACGGCCCTCGAGCTGTTCTCGGC	4
wt-3030-3150	1453	CCTGTACCCGGCCCGTGCATCTCGGGCTACGGCGGCCCCCGGGCCCAAGTGTGATGAGCATCTGGGGTCCCTAGTTCAAAAGGGGGTCTGCTGTTGTTCTGCTCACCTACC	8
wt-3150-3270	1454	GGATGATGTTAAGGACGGGCTCGGAGAAATGGGGCCGGCCAGGGCCACGGGACCTGGAATGAGCAGATTTGTCAGCAGCTACTTCTCAACCCCGCCTGTTCAACGCTTTCATTACAGT	4
wt-3270-3390	1455	GAGGCAGCGAGGGGAGAGATCAACGGCCGTACCGTCTCAAGCGCTCGGACGCGCATGCGATGCGAGGCTGCCAGCACTATGCTGGGCTCCACGGTTCCTCCGTTGGTGGACTCAA	4
wt-3390-3510	1456	CTTTGTCAACGACCTGGCGTCCCGGTTCCACCGCGGAGATGATGGATGTTTCTCCCTCTTCCAGCTGGAGTTTTCCCGGATTCAGAGAGGGGCAAGTTCCTCCGGTACCCTT	4
wt-3510-3630	1457	AGATGTGGACGAGAGCATGGACATCTCTCCGTTACAGAGTTGCCCTGGCTCTCGCTGGAGTCTGCTCACAAAGCATCCTGTACACCCACCGTGGGAAGCAAGGACACTTGGTCAG	4
wt-3630-3750	1458	GCACACGGACAGGGTACGGGAGGACGCTGGCACAGCAGCCGGGTAGTCCCTGGACCTGCCGCTGGCGACTACGCTTCTGTTGCCACAGTCAAGTCTGGACAGGCCGGTGG	8
wt-3750-3870	1459	GGCTCCTCCCTTCCCTATCGTACCTGGGATCGAATGACAGAGAAGTGTCTGCTCCGCAAAACCGGGCGAGAGAACGTTAAGGTTTACAGTACCGTATTACATTGGGAGAACAGGG	4
wt-3870-3990	1460	GTACAAAGTCTCGTTGGATCTGAGGGAGGGAACAGGCTGGCAATGGCTGAGGCGCTGCTGAACGCGCATGTGCCCAATCTTGGATCCGGAAGACGCTTGTCTCACCTCGCATACA	4
wt-3990-4110	1461	CCTGGATCCGCGCCGGCAGACAACTTGGCCGTGATGGAGCTATGACGGCGGCGAGTACGCGGCTGGCCTGGCGTGAAGTCTGACCTTGGCTCGCCCTCTCGCCAGACCGG	8
wt-4110-4230	1462	CTCGTCCCGCTCAACTTCATGACCTGGTGGCCTCTGCTCCGCCCCAGGGAACTTCCGGTCTGATCACGCCAGTCTCAGAAGACGGGCACTTCCCTGATTCCGGTGGCTTG	4
wt-4230-4350	1463	CGGGGATGGCAAGATCCAGGGAGGGTCTGTTTGGACGCTCTTACGACGTGGCCACGACCCACGGGACCCGAGGCGTTGCTCTGAAGAACTCTTCCGGGACGTCAGCAGCT	4
wt-4350-4470	1464	GGTCAAGAGCGGCATCGTCTGTCAGGGCATGACATCAGCGACGGGGCCTGGTACCTGCTGGTGGAGATGGCCCTGGCCGGGACGGGGAGTGACCATCACTATGCCGTTGGCCTC	8

wt-4470-4590	1465	CGACTACCTCCCGGAGATGTTTGCAGAGCACCCCGGCTGGTGTGGTGGAGTGGAGGAGCGCAGCGTGGGTGAGGTGCTGCAGACCTGCGCTCCATGAACATGTACCCGGCAGTCTCGG	4
wt-4590-4710	1466	TCGAGTGGGCGAGCAAGGTCAGATCAAATGTTTGGAGTGCAGCAGGCCAGAGACGGTGTTCGCGCAGTCCGCTGCCCTGCTGCTGGGAACCTGGTCATCCTTTGCCAGCGAGCAGTA	4
wt-4710-4830	1467	CGAGTGCCTGCGACCAGATCGGATTAACCGGTCCATGCACGTGTCCGACTACGGCTATAACGAAGCACTGGCAGTCTCCCCGTTGACAGGAAAGAATCTCAGCCCACGCCGGTGGTGAC	4
wt-4830-4950	1468	AGAGCCTGACCCACGATGTGAGGTGGCCGTGCTATGCGCCCCGGGCACCAGGGGCCATGAAAGCCTCCTGGCGGCCCTCACGAATGCCGGATGCCTGTGCCGACGGGTGTTCTTCGCGA	8
wt-4950-5070	1469	GGTTAGGGACAACACGTTCCCTCCGCAACTACGTGGGTCTGGCCATCGGAGGAGTTCATGGGGCCAGGGACTCTGCCCTGGCAGGGCCGTGCCACCTGGCGCTGATTAATCGTTCCCCCG	4
wt-5070-5190	1470	CCTGCGTGAGCTATTCTAAAGTTCCTCAACAGGCAGATACGTTCTGCTGGCTGGGGAGTCCAAAGTTCGGCTGGCCCTGGGGCCGTGGGGTCAACAGATAATCCACC	4
wt-5190-5310	1471	CGCCCTGGCGTGGAAGTTAATGTCCAGAGATCACTCTGATTTCCGCCCCCAAGCCCAATGTGCATAATGGTGTGAGTCCAGCTGGCTGAACATTAGCATGCCCGGACCCAGCATGTGAT	4
wt-5310-5430	1472	GCTGCGTGGCCTCCGGGGTGGTCTGCTGCCCTTGTGGGTGCAAGGCTCGTGCCTGGCCCTGCAATTTACTAACCTCGGGATGCCATATGTTTTGCAGAATGCCACCAGATCGCCTGCCA	4
wt-5430-5550	1473	CTTCCACAGCAATGGCAGGATGCCCTGGCGCTTGTGCTATGAATTATCCAAGAAACCCACGGGAGCAGGGCAACATTGCAGGGCTCTGTTACCGCGATGGTGTGATCTGGCTCTCTGTG	4
wt-5550-5670	1474	TGACCCCTCACTTTGTACAGACTTTTGGCAATGGGAGCACATTTCCCCCGCTTTGGGCACCCACGGGGTGTCCCCCTGGACACTTATGTTTCAAGCAGCTCACCTATGGTCACTCAG	4
wt-5670-5790	1475	GCACGGTCCGCCCCTCGAGTGACCAGTCACTTCCAGACTATGCATACACTGAATTTAGCCTGATATTGCCCTTAGCCCCGGGCCAGCCCTCTCAGAAAATCTGCATGGAGAAGC	4
wt-5790-5910	1476	TGGACGTGAACCTCCCCCAAGCTGTGGCTGATTTACAACACTACAATAAACCCAATGTGCATAATGGTGTGAGTCCAGTACTTTGTGTCCATAAAAATGCAACAATAAGAAGT	4
wt-5910-6030	1477	GAAACCTCAGTCAAGGACATTAACCTCAACCACAAAATGGGGTTGGAGAAAGTAAACACATATACTGGAGATGATTTCATGGGCTGGGGTTCCCGGACAATACACCCATCTGGAGTT	4
wt-6030-6150	1478	CAACCTAATTACATGGTAGATAAATTAAGAGTCCCTCCTCACACTCGAACTATGGCAGACATTTATAAGATAACGAGGAGAGATGAGGTGAGGGCAGAGGACATTTGGCAGGTGTGG	4
wt-6150-6270	1479	GCCACGGGGCAGCTGGCCATATCCCCCGCACTACAGAAAGTGAAGCAAGTGAAGGGCTCGGAAGGCAGGGGGCCTAGCAATGTACACAGTAAATGCCACCAGGGCACACACTCAAG	4
wt-6270-6390	1480	CGGGGTCTCGGAGCTCCTAGGTGAGACCAGAAAGTCAAGCTGCAAGGTGGATGGCGTGTTCCTGAGGTATCCCCCTACGTGCAGTGTGGGTGATAGAGACCTAGAATGTGTGG	4
wt-6390-6510	1481	AAATGACCAAGCGTCCCGCAGCGGGCTCCCAACACGGGTTCCAGAGAGGGTAAAGAGGGGCCATAAAGCCCAGGGTGTAAAACACCGACCAGCCAGATGGCACACGTGGGG	4
wt-6510-6630	1482	GAAATGAGGGTTAGCATAGGCAACCCCGCCTACACACCACTATAGCAAAACCCCGCCCGTACGCGTACGTAGTCTGCTTGAGGAGATGTAGACTGTAGACACTGCAAAAACCTCAG	4
wt-6630-6750	1483	GACCTACGCTGCCCTAGAGGTTTTGCTAGGGAGGAGACGTGTGTGGCTGTAGCCACCCGTCCGGGTACAGTCCCGGGTGGTGAAGGCGTGTCTGTGGTTGTCTCCAGACTCTGCT	4
wt-6750-6870	1484	TTCTGCCGTTCGGTCAAGTACCAGCTGGTGGTCCGGATGTTTGTATCCAAACTTTGTTCATAGGATTATGCATCCATTATCCCGCAGTCCACCTAAACGGGGCTTAACGTTGCATC	4
wt-6870-6990	1485	CCAGAAGATGCACGTTAACCCCGCCTACAACCGTGACGTAGCTGTTACCAGCATGTATAGAGTTACGGTTCGCTACATCAACAGGACAGCCGTTGCCCTAGTGGTTCCGGACACCC	4
wt-6990-7110	1486	GCCAACCGCTCAGTGGGTGCTACCCAGGTCAGGTCAGGTCCCGGGGAGGAGAGAGGCTTCCCGCCATAGACATTTGCAAGTCAAGGATTTCTCAATCCCTCTGGGAGCAAGGGTATTC	4
wt-7110-7230	1487	GGCTTGTCCGCTATTTTTTGTGGCTAGTTTTGCACCCACAACATGTAAGGGCCCGTACCCTACAACACAAAACAATATCTCCCTAACCATCTTTTTGCCAATCAATTTCTGTGAC	4
wt-7230-7350	1488	AGGGTTCCTGGACACCCAGTCTTAGTTCAGGTAGACACCCAGTTATGCAGTCCCAATTTCAACCATTTTTAACTCCTGGAATTCTATCATTAAACGGCATGCAGAAAAGGACA	4
wt-7350-7470	1489	AGCAGCGAAAATTCACGCCCTTGGGAGGTGGCGGCATATGCCAAAGGATAGCACTCCCACTCTACTACTGGGTATCATATGCTGACTGTATATGCATGAGGATAGCATATGCTACCCGG	4
wt-7470-7590	1490	ATACAGATTAGGATAGCATATACTACCCAGATATAGATTAGGATAGCATATGCTACCAGATATAGATTAGGATAGCCTATGCTACCCAGATATAAATTAGGATAGCATATACTACCCAG	4
wt-7590-7710	1491	ATATAGATTAGGATAGCATATGCTACCCAGATATAGATTAGGATAGCCTATGCTACCCAGATATAGATTAGGATAGCATATGCTACCCAGATATAGATTAGGATAGCATATGCTATCCAG	4
wt-7710-7830	1492	ATATTTGGGTAGTATATGCTACCCAGATATAAATTAGGATAGCATATACTACCCAGATATAAATTAGGATAGCATATACTACCCAGATATAGATTAGGATAGCATATGCTACCCAGAT	4
wt-7830-7950	1493	AGATTAGGATAGCATATGCTACCCAGATATAGATTAGGATAGCCTATGCTACCCAGATATAAATTAGGATAGCATATACTACCCAGATATAGATTAGGATAGCATATGCTACCCAGATAT	4
wt-7950-8070	1494	AGATTAGGATAGCCTATGCTACCCAGATATAGATTAGGATAGCATATGCTATCCAGATATTGGGTAGTATATGCTACCCATGGCAACATTAGCCACCCGTGCTCTCAGCGACCTCGTGA	4
wt-8070-8190	1495	ATATGAGGACCAACACCCCTGTGCTTGGCGCTCAGGCGCAAGTGTGTGAATTTGTCCTCCAGATCGCAGCAATCGCGCCCTATCTTGGCCCCCACCCTACTTATGCAGGTATCCCC	4
wt-8190-8310	1496	GGGGTCCATTAGTGGTTTTGTGGCAAGTGGTTGACCCAGTGGTTAGCCGGGTTACAATCAGCCAAGTATTACACCTTATTTACAGTCCAAAACCCAGGGCGCGTGTGGGG	4
wt-8310-8430	1497	CTGACGCGTGCCCCCACTCCACAATTTCAAATAAAGAGTGGCCACTTGTCTTTGTTATGGGCCCATTTGGCGTGGAGCCCGTTAATTTTCGGGGGTGTTAGAGACAACCAAGTGGAG	4
wt-8430-8550	1498	TCCGCTGCTGTCGGCGTCCACTCTCTTCCCCTGTACAAAATAGAGTGAACAACATGGTTCACCTGTCTTGGTCCCTGCCTGGGACACATCTTAATAACCCAGTATCATATTGCACT	4
wt-8550-8670	1499	AGGATTATGTGTTGCCATAGCCATAAATTCGTGTGAGATGGACATCCAGTCTTACGGCTGTGCCCAACCCATGGATTTCATTGTTAAAGATATTCAGAATGTTTCATTCTCACT	4
wt-8670-8790	1500	AGTATTTATGCCCAAGGGGTTTTGTAGGGTTATATTTGGTGTATAGCAACAATGCCACCCTGAACCCCGCTCCAAATTTTATCTGGGGCGTCACTGAAACCTTGTTCGAGCAC	4
wt-8790-8910	1501	CTCACATACACTTACTGTTCAACTCAGCAGTATTCTATTAGCTAAACGAAGGAGAATGAAGAAGCAGGCGAAGATTACAGAGATTTACTGCCCGCTCTTGTATCTTACGACCTG	4
wt-8910-9030	1502	CCCTTGTGACTAAAATGGTTCACCTACCCTCGTGGAACTCCTGACCCCATGTAAATAAAACCTGACAGCTCATGGGTGGGAGATATCGCTGTTCTTAGGACCCCTTTACTAACCCATA	4
wt-9030-9150	1503	TCGATAGCATATGCTTCCCGTGGGTAACATATGCTATTGAATAGGGTTAGTCTGGATAGTATATACTACTACCCGGGAAGCATATGCTACCCGTTTAGGGTTAACAAGGGGGCCTTAT	4
wt-9150-9270	1504	AAACTATTGCTAATGCCCTCTTGAGGGTCCGCTTATCGGTAGCTACACAGGCCCTCTGATTGACGTTGGTGTAGCCTCCCGTAGTCTTCTGGGCCCTGGGAGGTACATGCCCC	4
wt-9270-9390	1505	AGCATTGGTGAAGAGCTTACGCCAAGAGTTACACATAAAGGCAATGTTGTTGAGTCCACAGACTGCAAAAGTGTCTCCAGGATGAAGGCCACTCAGTGTGGCAAAATGTGCACATC	4
wt-9390-9510	1506	CATTTATAAGGATGTCAACTACAGTACAGAGAACCCTTTGTTGTTGGTCCCGGGGTCACATGTGGAACAGGGCCAGTGGCAAGTGTACCAACCAACTGAAGGATTACATGCA	4
wt-9510-9630	1507	CTGCCCGCGGAAATACGTCTACCCAGGAACCCGAAACAGTGTTCGAGAAAGCTGTAAATAAAGAGCTGAAACAGCCCGTGAACCTGCCCACTGTGCAATGCAGCTTTAGCCATGCCATGCTC	4
wt-9630-9750	1508	TATAAATCACTTCCCTATCTCAGGTAGGCCTGCACACCTTAGGTATGGAGCGAAGGTTAGTGGTCACTCTGCAGTGCCTGGTGTCTTTACTTGGCACCTGAGTGTGGAGGTACAGACC	4
wt-9750-9870	1509	AATGTGACAATTTCCCAAATTTGAGGGACCTAAGAGATGCCTCAGTCTGTTAAACCTTTTCCAGACAAAGGACGAGGTAGATAACCTTTGTCTCAAGGAGTCTCTGCTAGAGG	4
wt-9870-9990	1510	ACTTTAAGGGCTACCTTGGATGCCAGGCGCTGTCAGAATGATCCAATTCACCTGGAGGAAGTATGCCACAGGCTGAAAACAGGACCCCTGAAGCCAAAGACCATGCAATTTCTTGG	4
wt-9990-10110	1511	GTGAAAATCTAAAGACCTACGGCTCCCGCTGCGCAGGTGCCACAGTTCTCGCGTGTGAGAACAAGAGTAAAGCTGTGGAACAGATAAAAAATGCCTTTAAACAAGCTGCAGGAAAAAG	4
wt-10230-10350	1512	AACCCCGCTTTCGACTGTCAATTTACAATAAATGAACCTTTTATCTGTTGCTTCTTGGCTGTTCTTGGCCAGTACCTTCTGTGTTTCCCGCAGGTAACCTTCTTCCCGCGGAAAAGAATAGCTTCT	4
wt-10350-10470	1513	GCAGAAGGCCATTGACGCAAGTTTTCGCGTGGGATTAACCGACCCAGCCACTTACAGCAATTTTGTCTAGGTCATCTTAGGAGCCCGGCCAGCATTTCTACAGCTTAAACGGGAA	4
wt-10470-10590	1514	GAGAAGTGGGAGGGCACTCGCCCACTAACCTTAACACCTGCAGCTACAAGTACACTAGCTGTTTGTCTATTCCGCACTAGAGACCAGCAAGATGCCAAACTACAGGCCCGGGCC	4
wt-10590-10710	1515	AGGCCTGCAGGGCAGACGTTAGGCTGACAAGGGGACAAGTGTGGCAGGTGGCGGGAAGGGGCACAAGAATCCCGCGCAACTGACCAACCGTCCACCCCGCCTCAAGCGTCCGGGA	8





wt-16830-16950	1567	TTTTGCCCCCTGGCGGCCAGCCGACCCCGGGCGCCCAAACTTTGTCCAGATGTCCAGGGTCCCGAGGGTGAAGCCAGCCCTCCCGCCCTGTCCACTGCCCGGTCCCG	8
wt-16950-17070	1568	CCAGAAGCCCCAAAAGTAGAGGCTCAGGCCATGCCGCGCCTGTACCAGGCTGCCAAAAGAGCCAGATCTAAGCCGGGAGAGGAGCCCAAGCGGGTGCAGTAACAGGTAATCTCT	4
wt-17070-17190	1569	GGTAGTGATTTGGACCCGAAATCTGACACTTTAGAGCTCTGGAGGACTTTAAAACCTAAAATCAAACCTTTAGAGGCGAATGGCGCCATTTTGTCCACGCGCATAATGGCGGA	4
wt-17190-17310	1570	CCTAGGCCATAAACCCAGGAAGCGGGTCTATGGTTGGCTCGCTGTCTATCTTTAGAGGGGAAAAGAGGAATAAGCCCCAGACAGGGGAGTGGGCTGTTTGTGACTTACACAAA	4
wt-17310-17430	1571	GGTCAGGGCCCAAGGGGGTTCGCGTTGCTAGGCCACCTTCTCAGTCCAGCGCGTTTACGTAAGCCAGACAGCAGCCAAATGTGAGTTCTAGGGAGGGGGACCCTGCCCTGGTATAAAG	4
wt-17430-17550	1572	TGGTCTGCAGCTATTTCTGGTGCATCAGAGCCAGGAGTCCACACAAATGTAAGAGGGGTCTTCTACCTCCCTAGCCCTCCGCCCCCTCAAAGGACTCGGGCCAGTTTCTAAC	4
wt-17550-17670	1573	TTTTCCCTTCCCTCCCTCGTCTGAAGCCCTGCGCCGACCCACCTTACATCCGCTGACTCCGCGCATCAAAGCTTAGGGGAGACCGAAAGTGAAGCCCTGGACCAACCCCGGGGG	8
wt-17670-17790	1574	CCCCCGGTATCGGGCCAGAGGTAAGTGGACTTTAATTTTTCTGCTAAGCCCAACACTCCACACACCCAGGCACACACTACACACACCCACCCGCTCTCAGGGTCCCTCGGACAGCTC	4
wt-17790-17910	1575	CTAAGAAGGCACCGTTCGCCAGTCTACCAGAGGGGCCAAGAACCAGACGAGTCCGTAGAAGGGTCTCTGCCAGCAAGAAGAGGAGGTGTAAGCGGTTACCTTCAGGGGTAAGT	4
wt-17910-18030	1576	AACCTGACCTTCCAGGGCTCACATAAAGGGAGGCTTAGTATACATGCTTCTTGTCTTTCACAGGAACCTGGGGGCTAGTCTGGTGGGATTAGGCTGCCTCAAGTTGCATCAGCCAGGG	4
wt-18030-18150	1577	CTTCATGCCCTCCTCAGTCCCTAGTCCCGGGCTTCAGGCCCTCCGTCGCCCTCCAGAGACCCGGGCTTCAGGCCCTGCCTCTCTCTGTACCTTTTGAACACAGCCCTGGAC	4
wt-18150-18270	1578	ACATGTGCCAGACGCTTGGCCCTTGAAGCCCTCGGGTCCCTCGACCCCGGCTCAGCAACCCTGCTGCTCCCTCTGCCACCCAGCCTCCCGCTCCCGCTCCCGCTCCCGCTC	8
wt-18270-18390	1579	TGATCCTCCCGGTCCCGAGTAGGGCCGCTGCCCTTGCACCCAGTACCTGCCCTCTTGGCCACGACCCCGGGCCAGGCCACCTTAGACCCGGCCAAGCCCATCCCTGAAGACC	8
wt-18510-18630	1581	CACCCGGTCCCTCCGGGGGCGAGAGACAGGAGGGCCCGCCGCGAGCTGGCCCGAGGAGGCGCCGGAGTGGGGCCGGTCCGGTGGGCTGGCCAGCCCGGGTCTGGGAGGCTGGGGT	12
wt-18630-18750	1582	GGCAGCCTGCTGTCTCAGGAGGGGCTGCTCCGCGGGTGGCCCTGGGGTAAAGTCTGGGAGGCAGAGGCTCGCCCTAGGCCCGGGGAAAGTGGAGGGGATCGCCCGGGTCTGTTGG	8
wt-18750-18870	1583	CAGAGTCCGGGCGATCCTTGAGACCTCCGGGCCGAGCGTCCGCTCAGCCCCCAGACAGACCCAGGGTCTCCAGGCAGGGTCCGGCATCTTCAGGGGCGAGGCTCACCACCA	8
wt-18870-18990	1584	CAGGCCCCAGACCCGGGCTCGGCCAGCCGAGCCGACCCGCGCCCGCTGGCGCTCTCGGGGCCAGCCCGGGGTTGGTTCTGCCCTCTCTGTCTTCAGAGGAACCCAGGG	12
wt-18990-19110	1585	ACCTCGGGCACCCAGAGCCCTCGGGCCCGCTCCAGGCGCCCTCTGGTCTCCGCTCCCTCTGAGCCCGTTAAACCCAAAGAAATGTCTGAGGGGAGCCACCTCGGGGCCAGGCC	8
wt-19110-19230	1586	CCAGAGTCCAGAGGTCCAGGGCACCTCAGGGTCCCTCCCGGGTCCAGGCCAGCCGGAGGACCCCGGACGCCGGCGGCCAGAGCCGGTTCCTCGCCCTTCCCGGGCTTCAG	12
wt-19230-19350	1587	AGCCAGGATGTCCCCAGAAAGGACCCAGGGTCCCTCTCTCCCTTCCAGGCCGAGCCTCTCCCTCGCGGAGAGGGGCTCTTTGGGCCCTCAAGTCCAGCCCCAGCAGACCCG	8
wt-19350-19470	1588	AGTGGCCCGGATCCCGCCAGCCCTTCTCTCTGCCCTGCTCCTCCCAACCTTCGCTCCACCTAGACCCAGCTTCTGGCTCCCGGGTCCACCAGGCCAGCCGGAGGGACCC	8
wt-19470-19590	1589	CGGCAGCCCGGGGAGTCCCTTCCCTTCCCTGGGCTCTCTCCCGCTCCAGCCAGCCCTCAGCTTGCCTCCCAAGCCGGTCCATCAGGCCCGGGGAGCCCGGGGCG	12
wt-19590-19710	1590	CCGGTGCAGTCCCGCTCGACCGCCAGTCTCTGCCCTCAGGCAAGGGCGCCAGCTTTTCTCCCGCCAGCTGAGGCCAGTCTCTGTGCACTGTCTGTAAGTCCAGCTCCACG	8
wt-19710-19830	1591	CCCGTCCAGGCTCCCGGGCCAGCCTCGTCCACCCCTCCCGAGGTTGACAGGCCCTCTGTCCACCCGGCCATCCCGCCCGCTGTGTCCACCCAGTCCCGTCCAGGGGGACTTT	8
wt-19830-19950	1592	ATGTGACCTTGGGCTGGCTCCCATAGACTCCCATGTAAGCCTGCCTCGAGTAGGTGCCTCCAGAGCCCTTTTGGCCCGCTGGCGGCCAGCCCGACCCCGGGCGCCCAAACT	8
wt-19950-20070	1593	TGTCCAGATGTCCAGGGTCCCGAGGGTGAAGGCCAGCCCTCCCGCCCTGTCCACTGCCCGGTCCCGCAGAAGCCCAAAAGTAGAGGCTCAGGCCATCGCGCCCTGTCCAC	8
wt-20070-20190	1594	AGCCCTGCCAAAGAGCCAGATCTAAGCCCGGGAGGACGCCCAAGCGGGTGCAGTAACAGGTAATCTCTGGTAGTGATTGGACCCGAAATGACACTTAGAGCTTGGAGGACT	4
wt-20190-20310	1595	TTAAAACCTTAAAAATCAAACCTTTAGAGCCGAATGGCGCCATTTTGTCCCGCCAGCCGACATAATGGCGGACCTAGCCCTAAAACCCCAAGGAAGCGGGTCTATGGTTCGCGTGC	4
wt-20310-20430	1596	TGCTATCTTAGAGGGGAAAAGAGGAATAAGCCCCAGACAGGGGAGTGGGCTGTTTGTGACTTACCAAAGGTCCAGGGCCAAAGGGGTTCCGTTGCTAGGCCACCTTCTCAGTCCA	4
wt-20430-20550	1597	GCAGCTTACGTAAGCCAGACAGCAGCCAAATGTGAGTCTAGGAGGGGGACCACTGCCCTGGTATAAAGTGGTCTGCAGCTATTCTGGTGCATCAGAGCCAGGAGTCCACAC	4
wt-20550-20670	1598	AAATGTAAGAGGGGTTCTTACCTTCCCTAGCCCTCCGCCCCCTCAAAGGACTCGGGCCAGTTTCTAACTTTTCCCTTCCCTCCCTCGTCTTCCCTCGCCCGGGGCCACCTTCA	4
wt-20670-20790	1599	TCACCGTGCCTGACTCCGCCATCAAAGCCTAGGGGAGCCGAAGTGAAGCCCTGGACCAACCCGGCCCGGGCCCGCCCGGATCGGGCCAGAGGTAAGTGGACTTAAATTTTTCTGCTA	4
wt-20790-20910	1600	AGCCCAACACTCCACACACCCAGGCACACTACACACACCCACCCGCTCAGGGTCCCTCGGACAGCTCTAAGAAGGCACCCGTCGCCAGTCTTACCAGAGGGGGCCAAAGAACCC	4
wt-20910-21030	1601	AGACGAGTCCGTAGAAGGGTCTCGTCCAGCAAGAAGAGGAGGTGGTAAGCGTTACCTTCCAGGGTAAAGTAACTGACCTCTCCAGGGCTCACATAAAGGGAGGCTTAGTATACATGC	4
wt-21030-21150	1602	TTCTTGCTTTTACAGGAACCTGGGGCTAGTCTGGTGGGATTAGGCTGCCTCAAGTTGCATCAGCCAGGGCTTATGCTCCCTCCTCAGTTCCTTAGTCCCGGGCTTCCAGCCCTCC	4
wt-21150-21270	1603	GTCCCGTCCCTCCAGAGACCCGGGCTTCCAGCCCTGCCTCTCTGTTACCCTTTTAAAGAACACAGCCTGGACACATGTGCCAGACGCTTGGCCCTTAAAGCCCTCGGGTCCCGCTGGAC	4
wt-21270-21390	1604	CCCGGCTCAGCAACCTGCTGCTCCCTCCTGCCACCCAGCCTCCCGCTCCCGCTCCCTTCCCTGCTGATCCTCCCGGGTCCCGAGTGGGGCCGCTGCCCTTGCACCCAG	8
wt-21510-21630	1606	GGCCATTGGGCCAGATTGAGAGACCAGTCCAGGGGCCGAGGTTGGAGCCAGCGGGCACCCGAGGTCCAGCACCAGCCGCTCCCTCCGGGGGACAGACAGGAGGCCCCCGGCGACT	12
wt-21630-21750	1607	GGCCCGAGGAGGCGCCGGAGTGGGGCCGGTGGGCTGGGCTGGCCAGCCGGGCTGGGAGGCTGGGGTGGCGAGCCTGCTGTCTCAGGAGGGGCTGGCTCCCGGGTGGCCCTG	12
wt-21750-21870	1608	GGGTAAGTCTGGGAGGCAGAGGTCGGCTAGGCCCGGGAAAGTGGAGGGGATCGCCGGGCTCTGTTGGCAGAGTCCGGGATCCTCTGAGACCTCCGGGCCGGACGGTCCGCC	8
wt-21870-21990	1609	TCAGCCCCAGACAGACCCAGGGTCTCAGGCAGGGTCCGGCATCTCAGGGGAGCAGGCTCACACCACAGGCCCCAGACCCGGGCTCGGCCAGCCGAGCCGACCCGGCCCGC	8
wt-21990-22110	1610	GCCTGGCGCTCCTCGGGCCAGCCCGGGGTTGGTTCTGCCCTCTCTGTCTTCCAGAGGAACAGGGACCTCGGGCACCCAGAGCCCTCGGGCCCGCTCCAGGCGCCCTCCT	8
wt-22110-22230	1611	GGTCTCCGCTCCCTCTGAGCCCGTTAAACCCAAAGAAATGCTGAGGGGAGCCACCCTCGGGCCAGGCCAGAGTCCAGAGGTCAGGGGACCTCAGGGTGCCTCCCGGGTCCCA	8
wt-22230-22350	1612	GGCCAGCCGAGGACCCCGGAGCCCGGGCCAGAGCCGGTTCCTCGCCCTTCCCGGGCTTCCAGAGCCAGGATGTCCCCAGAAAGGACCCAGGCGTCCCGCTCCTCCCTCC	12
wt-22350-22470	1613	CTCCAGGCCGAGCCTCCTCCGCGGAGAGGGCCCTTTGGGCCCTCAAGTCCAGCCACCCAGGAGCCGAGTGGCCGGATCCCGCCAGCCGCTTCTCTGTCCCGCTGCTCT	8
wt-22470-22590	1614	CTCCAACCTTCCGCTCCACCTTAGACCCAGCTTCTGGCCTCCCGGGTCCACAGGCCAGCCGGAGGACCCCGGAGCCCGGGCAGTCCGCTTCCCTTCCCGTCCCTTCC	8
wt-22590-22710	1615	GCCTCCACCCGAGCCCTCAGCTTGCCTCCCGCCGCGGTCACAGGCCGCGGAGGCCAGCCCGGGCCGGTGTGAGTCCCGCTGCAGCCCGCCAGTCTGCTCCAGGCAAG	12
wt-22710-22830	1616	GGCCGAGCTTTTCTCCCGCAGCTGAGGCCGAGTCTCTGACTGCTGTAAGTCCAGCTCCACGGCTCCAGGGTCCCGGGCCAGCCTGTCACCCCTCCCGGAGGTTG	8
wt-22830-22950	1617	GACAGCCCTCTGTCCACCCGGCCATCCCGCCCGCTGTGTCCACCTGCTCCGTCAGGGGGACTTTATGTGACCTTGGGCTGCTCCCATGACTCCCATGTAAGCCTGCC	8
wt-22950-23070	1618	TCGAGTAGGTGCCTCCAGAGCCCTTTTGGCCCTGGCGGCCAGCCGACCCCGGGCCCGCCAAACTTTGTCCAGATGTCCAGGGTCCCGAGGGTGAAGCCAGCCCGCTCCCG	8
wt-23070-23190	1619	CCCTGTCCACTGCCCGGTCCCGCAGAACCCCAAAAGTAGAGGCTCAGGCCATGCGCGCCTGTACCAGGCCCTGCCAAAGAGCCAGATCTAAGGCCGGGAGAGGAGCCCAAG	8

wt-23190-23310	1620	CGGGTGCAGTAACAGGTAATCTCTGGTAGTGATTGGACCCGAAATCTGACACTTTAGAGCTCTGGAGACTTTAAACTCTAAAACTCAAACCTTTAGAGCGGAATGGGCGCAATTTTG	4
wt-23310-23430	1621	TCCCCACGCGCGCATAATGGCGGACCTAGCCCTAAACCCCCAGGAAGCGGGTCTATGGTTGGCTGCGCTGCTGCTATCTTTAGAGGGGAAAAGAGGAATAAGCCCCAGACAGGGGAGT	4
wt-23430-23550	1622	GGGCTTGTGTGACTTCACCAAAGGTCAAGGCCAAGGGGTTGCGGTTGCTAGGCCACCTTCTCAGTCCAGCGGTTTACGTAAGCCAGACAGCAGCCAATTGTCAGTTCTAGGGAGG	4
wt-23550-23670	1623	GGGACCCTGCCCCGGTATAAAGTGGTCTGCAGCTATTTCTGGTCCGATCAGAGCGCCAGGAGTCCACAAAATGTAAGAGGGGGTCTTCTACTCTCCCTAGCCCTCGCCGCCCTCC	4
wt-23670-23790	1624	AAGGACTCGGGCCAGTTTCTAACTTTTCCCTTCCCTCCCTCGTCTTCCCTGCGCCCGGGGCCACCTTCATACCCTCGCTGACTCCGCCATCCAAGCCTAGGGGAGACCGAAGTAA	4
wt-23790-23910	1625	GGCCCTGGACCAACCCGGCCGGCCCGCCGATCGGGCCAGAGTAAAGTGGACTTTAATTTTTTCTGCTAAGCCCAACTCCACCACCCAGCCACACTACACACCCACCCAG	4
wt-23910-24030	1626	TCTCAGGTTCCCTCGGACAGCTCCTAAGAAGTCCCTCCGCGGGCCAGAGACAGGAGGGGCCCCCGGACGCTGCCAGTCCGTAAGAAGGTTCTCGTCCAGCAAGAAGGAGGTTGGTA	4
wt-24030-24150	1627	AGCGGTTACCTTCAGGGGTAAGTAACCTGACCTCTCCAGGGCTCACATAAAGGGAGGCTTAGTATACATGCTTCTTCTGCTTTTACAGGAACCTGGGGGCTAGTCTGGTGGGATTAGGC	4
wt-24270-24390	1629	CCCTTTTAGAACACACAGCCTGGACACATGTGCCAGACGCTTGGCCTCTAAGGCCCTCGGGTCCCCCTGGACCCCGCCCTCAGCAACCCCTGCTGCTCCCTCCTGCCACCCAGCCTCCC	8
wt-24390-24510	1630	CCCCTCCCGTCCCGCTTCCGCTCTGATCCTCCCGCGTCCCCAGTAGGGCCGCTGCCCCCTGCACCCAGTACCTGCCCTCTTGGCCACGACCCCGGCCAGGCCACCTTAGACCC	8
wt-24510-24630	1631	GGCCAAGCCCATCCTGAAGACCCAGCGCCATTCTCTGGTAAAGAGCAGAGAAGAAGTAGAGGCCCGGCCATTTGGCCAGATTGAGAGACCAGTCCAGGGGCCGAGGTTGGA	4
wt-24630-24750	1632	GCCAGCGGCACCCGAGGTCCAGCACCCGCTCCGCGGGCCAGAGACAGGAGGGGCCCCCGGACGCTGCCCGGAGGAGGCCCGGGAGTGGGGCCGGTCCGCTGGGCTGGCCGA	12
wt-24750-24870	1633	GCCCGGTTCTGGGAGGTTGGGGTGGCGAGCCTGCTGTCTCAGGAGGGGCTGGCTCCCGGGTGGCCCTGGGTAAGTCTGGGAGGAGAGGGTCCGGCTAGGCCCGGGGAAGTGGAG	8
wt-24870-24990	1634	GGGGATCGCCGGGTTCTGTGGCAGAGTCCGGGCGATCCTCTGAGACCTCCGGGCCCGGACGGTCCGCTCAGCCCCAGACAGACCCAGGGTCTCCAGGCAGGGTCCGGCATCT	8
wt-24990-25110	1635	TCAGGGGACAGAGGCTCACACCCAGGCCCCAGACCCGGTCTCGGCCAGCCAGCCGACCCGCGCCCTGGCCCTCCTCGGGGCCAGCCCGGGGTTGGTCTGCCCTCT	12
wt-25110-25230	1636	CTGTGCTTTCAGAGGAACAGGGACCTCGGGCACCCAGAGCCCTCGGGCCCGCTCCAGGCGCCCTCTGGTCTCCGCTCCCTCTGAGCCCGTTAAACCCAAAGAATGCTGAGG	8
wt-25230-25350	1637	GGAGCCACCTCGGGGCCAGGCCCCAGAGTCCAGAGTCCAGGGCACCTCAGGGTGCCTCCCGGGTCCAGGCCAGCCGGAGGGACCCCGGACGCCCGGGCCCGCCAGAGGCCGTT	12
wt-25350-25470	1638	CCTCGCCCTTCCCGGGTTCAGAGCCAGGATGTCCCCAGAAAGGACCCTAGGCGTCCCTCTCCTCCCTCCAGGCCGAGCCTCTCCCTCGCGGAGAGGGGCTCTTTGGGCCCT	8
wt-25470-25590	1639	CAAGTCCAGCCACCCGAGACCCGAGTGGCCGGATCCCCACCGGCCCTTCTCTGTCCCTGCTCCTCCTAACCTTCGCTCCACCCTAGACCCAGCTTCTGGCCTCCCGGGT	8
wt-25590-25710	1640	CCACCAGGCCAGCCGAGGACCCCGCGAGCCCGGGCAGTCCGCTCCCTCCTCCCTGGCCTCTCTTCCCGCCTCCACCCAGGCCCTCAGCTGCCCTCCACCCAGGGTCCATCAG	8
wt-25710-25830	1641	GCCCGCGGAGGGACCCCGCGCGCCGGTGTGAGTCCCGCTGCAGCCCGCTCTCTGCTCCAGGCAAGGGCGCCAGCTTTCTCCCCAGCCTGAGGCCAGTCTCCTGTGCACT	8
wt-25830-25950	1642	GTCTGTAAGTCCAGCCTCCAGCCGCTCCCGGGCCAGTCCCTCCCTCAGCCAGGCTGCACAGGCTCTGTCCACCCGGGCTCCCGCCCGCCCTGTCCACCCGGGCTCCCGCCAGC	8
wt-25950-26070	1643	CCAGTCCCGTCCAGGGGGACTTTATGTGACCTTTGGGCTGGCTCCCATAGACTCCCATGTAAGCCTGCCTCGAGTAGGTCCTCCAGAGCCCTTTTGGCCCTGGCGCCAGCC	8
wt-26070-26190	1644	CGACCCCGGGCCCGCCAAACTTTGTCAGATGTCAGGGTCCCGAGGGTGAAGGCCAGCCCTCCCGCCCTGTCCACTGCCCGGTCCCGCCAGAACCCCAAAAGTAGAGGC	8
wt-26190-26310	1645	TCAGGCCATGCGGCCCTGTACCAGGCCGTCCAAAGAGCCAGATTAAGGCCGGGAGAGGAGCCCAAGCGGGTGCAGTAACAGGTAATCTCTGTAAGTATTGGACCCGAAATCT	4
wt-26310-26430	1646	GACACTTTAGAGCTCTGGAGGACTTTAAACTCTAAAACTCAAACCTTTAGAGGCGAATGGGCGCCATTTTGTCCACGCGCGCATAATGGCGGACCTAGGCCTAAAACCCCGGAAG	4
wt-26430-26550	1647	GGGGTCTATGTTGGCTGCGTCTGCTATCTTTAGAGGGGAAAAGAGGAATAAGCCCCAGACAGGGGAGTGGGCTGTTTGTGACTTACCAAAGCTCAGGGCCCAAGGGGTTGCGG	4
wt-26550-26670	1648	TTGCTAGGCCACCTTCTCAGTCCAGCGGTTTACGTAAGCCAGACAGCAGCCAACTTGTCAAGTCTAGGGAGGGGAGCCACTGCCCTGGTATAAAGTGGTCTGCAAGTATTCTGGTCG	4
wt-26670-26790	1649	CATCAGAGCGCCAGGAGTCCACACAAATGTAAGAGGGGTTCTTACCTCTCCCTAGCCCTCCCGCCCTCCAAGGACTCGGGCCAGTTTCTAACTTTCCCTTCCCTCCCTCGTCTT	4
wt-26790-26910	1650	GCCCTGCGCCCGGGCCACCTTCATCAGCTGCTGACTCCGCCATCAAAGCCTAGGGGAGACCGAAGTGAAGGCCCTGGACCAACCCGGCCCGGGCCCGCCCGTATCGGGCCAGAGGTA	8
wt-26910-27030	1651	AGTGGACTTAATTTTTTCTGCTAAGCCAACTCCACCACACCAGGCACACTACACACACCACCCGCTCTCAGGGTCCCTCGGACAGCTCCTAAGAAGGCACCCGGTCCGCCAGT	4
wt-27030-27150	1652	CCTACCAGAGGGGCCAAGAACCAGACGAGTCCGTAGAAGGTTCTGTCAGCAAGAAGAGGAGTGGTAAGCGTTACCTTCAGGGTAAGTAACTGACCTCTCCAGGGCTACA	4
wt-27150-27270	1653	TAAAGGGAGGCTTAGTATACATGCTTCTTGGTTTTACAGAACTGGGGGCTAGTCTGGTGGGATTAGGCTGCCCTAAGTTGATCAGCCAGGGCTTATGCCCTCCTCAGTTCCTTA	4
wt-27270-27390	1654	GTCCCGGGCTTCCAGCCCGCTCCGTCGCCCTCCAGAGACCCGGGCTTCCAGCCCTGCCTCTCTGTTACCCCTTTAGAACCACAGCCTGGACACATGTGCCAGACGCTTGGCTC	8
wt-27390-27510	1655	TAAGGCCCTCGGGTCCCGTGGACCCGGGCTCAGCAACCTGCTGCTCCCTCCTGCCACCCAGCCTCCCGCCCTCCCGTCCCGCTTCCGCTCTGATCCTCCCGGGTCCCGAGTAG	8
wt-27510-27630	1656	GGCCGCTGCCCGCTGCACCCAGTACCTGCCCTCTTGGCCACGACCCCGGCCAGGCCACTTAGACCCGGCCAAGCCCATCCCTGAAGACCCAGCGGCATTTCTCTGGTAACG	8
wt-27630-27750	1657	AGCAGAGAAGAAGTAGAGGCCCGGCCATTGGGCCAGATTGAGAGACCAGTCCAGGGGCCGAGGTTGAGCCAGCGGGCACCCGAGGTCACAGCACCCGGTCCCTCCGGGGGGCAGA	8
wt-27750-27870	1658	GACAGGCAGGGCCCGCCGGCAGTGGCCCGAGGAGGCCCGCCGAGTGGGGCCGCTCGGCTGGGCTGGCCGAGCCCGGGTCTGGGAGGTTGGGGTGGCGAGCCTGCTGCTCAGGAGGG	12
wt-27870-27990	1659	GCCTGGCTCCCGGGTGGCCCTGGGGTAAGTCTGGGAGGAGAGGGTCCGGCTAGGCCCGGGGAAGTGGAGGGGATCGCCCGGGTCTCTGTTGGCAGAGTCCGGGCGATCCTCTGAGA	8
wt-27990-28110	1660	CCCTCCGGGCCGGAGGGTCCCGCTCAGCCCCAGACAGACCCAGGGTCTCCAGGCAGGGTCCGGCATTTAGGGGAGCAGGCTCACCACACAGGGCCCCAGACCCGGGTTCTCG	8
wt-28110-28230	1661	GCCAGCCGAGCCAGCCGCCCGCGCCTGCGCCCTCCTCGGGCCAGCCGCGGGTGGTCTGCCCCCTCTCTGTCTCAGAGGAACAGGACCTCGGGCACCCAGAGCCCTC	8
wt-28230-28350	1662	GGGCCCGCTCCAGGCGCCCTCTGGTCTCCGCTCCCTCTGAGCCCGTTAAACCCAAAGAATGCTGAGGGGAGCCACCTCGGGGCCAGGGCCAGAGTCCAGAGGTCAGGGGCAC	8
wt-28350-28470	1663	CTCAGGGTCCCTCCCGGGTCCAGCCAGCCGAGGGAGGCCCGCCAGCCCGGGCCAGGGCCGTTCTCGCCCTTCCCGGGCTTCCAGAGCCAGGATGCCCCAGAAAGG	12
wt-28470-28590	1664	ACCCTAGGCGTCCCTCTCCCTCCAGGCCGAGCCTCTCCCTCGCGGAGAGGGGCTCTTTGGGCCCTCAAGTCCAGCCCAAGGAGCCGAGTGGCCCGATCCCCCACCGGC	8
wt-28590-28710	1665	CCTCTCTCTGTCGCCCTGCTCCTCCAACTTCTGCTCCACCTAGACCCAGCTTCTGGCTCCCGGGTCCACCAGGCCAGCCGAGGGACCCCGGACGCCCGGGCAGTCCGCTTC	8
wt-28710-28830	1666	CCTCTCCCTGGCCTCTCTCCCGCCTCCACCCGAGCCCGCTAGCTTGCCTCCCAACCGGGTCCATCAGGCCCGGGGAGGACCCCGCGGGGTTGCACTCCCGCTGCAGCTCCCGCTGCAGCC	12
wt-28830-28950	1667	GCCCAGTCTGCTCCAGGCAAGGGCGCCAGTTTCTCCCGCCAGCCTGAGGCCCGCTCTCTGACTGCTGTAAGTCCAGCCTCCACCGCCCTCCAGGCTCCCGGGCCAG	8
wt-28950-29070	1668	CCTGTCACCCCTCCACAGGTGACAGCCCTCTGTCCACCCGGCCATCCCGCCCGCTGCTGCCACCCAGTCCCGGGGAGCTTATGTACCTTGGCCCTGGCTCC	8
wt-29070-29190	1669	CATAGACTCCATGTAAGCCTGCTCGAGTGGTGCCTCCAGAGCCCTTTGCCCGCTGGCGGCCAGCCCGAGCCCGGGCCCGCCAAACTTTGTCAGATGTCAGGGGTC	8
wt-29190-29310	1670	AGGGTGAAGCCAGCCCTCCCGCCCTGCTCACTGCCCGGTCCCGCCAGAACCCCAAAAGTAGAGGCTCAGGCCATGCGCGCCTGTACCAGGCTGCCAAAGAGCCAGATCTA	8
wt-29310-29430	1671	AGGCCGGGAGAGGAGCCCAAGCGGGTGCAGTAACAGGTAATCTCTGGTAGTGATTGGACCCGAAATCTGACACTTTAGAGCTCTGGAGGACTTTAAACTCTAAAACTCAAACCT	4

wt-29430-29550	1672	TAGAGCGCAATGGGCGCCATTGTGCCACGCGGCATAATGGCGGACCTAGGCTCAAACCCCGAGGAAGGGGGTCTATGGTTGGCTGCGCTGCTGCTATCTTTAGAGGGGAAAAGAG	4
wt-29550-29670	1673	GAATAAGCCCCCAGACAGGGGAGTGGGCTTGTGGTGTGACTTACCACAAAGGTCAGGGCCCAAGGGGGTTCGCGTTGCTAGGCCACCTTCTCAGTCCAGCGGTTTACGTAAGCCAGACAGC	4
wt-29670-29790	1674	AGCCAATTGTCAGTTCTAGGGAGGGGGACCCTGCCCTGGTATAAAGTGGTCTCGCAGCTATTTCTGGTCGCATCAGAGCGCCAGGAGTCCACACAAATGTAAGAGGGGGTCTTCTACC	4
wt-29790-29910	1675	TCTCCCTAGCCCTCCGCCCCCTCCAAGGACTCGGGCCAGTTTCTAACTTTCCCTTCCCTCCCTCGTCTGCCCTGCCGCCGGGGCCACCTTCATCACCGTCCGCTGACTCCGCCATCC	8
wt-29910-30030	1676	AAGCCTAGGGGAGACCGAAGTGAAGGCCCTGGACCAACCCGGCCCGGGCCCGGGTATCGGGCCAGAGGTAAGTGACTTTAATTTTTCTGCTAAGCCCAACACTCCACCACCCAGC	4
wt-30030-30150	1677	GCACACTACACACACCCACCCCTCTCAGGTCGCCCTCGGACAGCTCTAAGAAGCCAGCCGTCGCCAGTCTACCAGAGGGGACCAAGAACCCAGACGATCCGTAAGGGTCTCT	4
wt-30150-30270	1678	GTCCAGCAAGAAGAGGAGGTGTAAGCGGTTACCTTACAGGGTAAGTAACTGAGCCTCCAGGCTCACATAAAGGAGGCTTAGTATACATGCTTCTGCTTTTACAGAGCCCTGG	4
wt-30270-30390	1679	GGGCTAGTCTGGTGGGATTAGGCTGCCTCAAGTTGCATCAGCCAGGGCTTCATGCCCTCCTCAGTCCCTAGTCCCGGGCTTCAGGCCCCCTCCGTCGCCCTCCAGAGACCCGGG	8
wt-30390-30510	1680	CTTAGGCCCTGCCTCTCTGTACCCTTTTAGAACACAGCCCTGGACACATGTGCCAGACGCCCTTGGCCTCTAAGGCCCTCGGGTCCCGCTGGACCCCGGGCTCAGCAACCTGCTGCT	4
wt-30510-30630	1681	CCCCTCTGCCACCCAGCTCCCGCCCTCCCGTCCCGCTTCCGCTCTGATCCTCCCGGTCGCCAGTAGGGCCGCTGCCCGCTGCACCAGTACCTGCCCTCTTGGCCACGCAC	8
wt-30630-30750	1682	CCCGGGCCAGGCCACCTTAGACCCGGCCAAAGCCCATCCCTGAAGACCCAGCGGCCATTCTCTGGTAAACGAGCAGAGAAGAAGTAGAGGCCCGCGCCATTGGGCCAGATTGAGAGA	4
wt-30750-30870	1683	CCAGTCCAGGGGCCGAGTTGGAGCCAGCGGGCACCCAGAGTCCAGCACCCCGTCCCTCCGGGGGAGAGACAGCCAGGGCCCGCCCGGCTGAGCCCGAGGAGCCCGGAGT	12
wt-30870-30990	1684	GGGCCGTCGGCTGGGCTGGCCGAGCCGGTCTGGGAGGCTGGGGTGGCGAGCCTGCTGTCTCAGGAGGGGCTGGCTCCGCCGGTGGCCCTGGGGTAAGTCTGGGAGGAGAGGGT	8
wt-30990-31110	1685	CGGCCTAGGCCCGGGGAAGTGGAGGGGATGCCCGGGTCTGTGGCAGAGTCCGGGGATCCTCTGAGACCCTCCGGGCCGGAGCGTCCCGCTCAGCCCCAGACAGACCCAGG	8
wt-31110-31230	1686	GTCTCCAGGCAGGGTCCGCATCTTACAGGGCAGCAGGCTCACACACAGGCCCGCCAGACCCGGGTCGCGCCAGCCGAGCCGACCCGCCCGCCCTGCGCCTCTCCGGGGCAGC	12
wt-31230-31350	1687	CGCCGGGGTGGTCTGCCCTCTCTGTCTTCCAGAGAACAGGGACCTCGGGCACCCAGAGCCCTCGGGCCCGCTCCAGGCGCCCTCTGCTCCCGTCCCTCTGAGCCCC	8
wt-31350-31470	1688	GTTAAACCCAAAGAATGTCTGAGGGGAGCCACCCTCGGGGCCAGGCCAGAGTCCAGAGGTCAGGGGCACCTCAGGGTCCCTCCCGGGTCCAGGCCAGCCGAGGGACCCGGCAG	8
wt-31470-31590	1689	CCCGGGCGCCCGAGAGGCCGGTCTCGCCCTTCCCGGGCTTCCAGAGCCAGGATGTCGCCAGAGGGACCCTAGGCGTCCCTCTCTCCCTCCAGGCCGAGCCTCTCCCTCG	8
wt-31590-31710	1690	CGGAGAGGGGCTCTTTGGGCCCTCAAGTCCAGCCACCGAGACCCGAGTGGCCGGATCCCGCCACCCGGCCCTCTCTGTCGCCCTGCTCTCTCAACCTTCCGCTCCACCCTAGA	8
wt-31710-31830	1691	CCCCAGCTTCTGGCCTCCCGGGTCCACAGGCCAGCCGGAGGGACCCCGGCGAGCCCGGGGAGTCCGCTTCCCTCTCCCTGGCCTCTCTCCCGCCTCCACCCGAGCCCGCTCAGC	12
wt-31830-31950	1692	TTGCCTCCCCACCGGGTCCATCAGGCGCCGGGAGGGACCCCGGGCCCGGTGTGAGTCCCGCTGACAGCCCGCCAGTCTCTGCCTCCAGGCAAGGGGCCAGCTTTTCTCCCCCAGC	8
wt-31950-32070	1693	CTGAGGCCAGTCTCCTGTGCACTGTCTGTAAGTCCAGCCTCCACGCCGCTCCAGGCTCCCGGGCCAGCTGTCACCCCTCCACGGTGGACAGGCCCTCTGTGACCCGGG	8
wt-32070-32190	1694	CATCCCCCGCCCTGTGTCCACCCAGTCCCGTCCAGGGGGACTTTATGTGACCTTGGGCTGGCTCCCATAGACTCCCATGTAAGCCTGCCTCGAGTAGGTGCCTCCAGAGCCCC	8
wt-32190-32310	1695	TTTTGCCCGCTGGCGGCCAGCCCGCCGGCGCCCGCCAAACTTTGTCCAGATGTCCAGGGTCCCGAGGGTAGGCCAGCCCGCTCCCGCCCTGCTCCACTGCCCGGTCCCG	8
wt-32310-32430	1696	CCAGAAGCCCCAAAGTAGAGGCTCAGGCCATGCCGCGCCTGTACCAGGCCCTGCCAAAGAGCCAGATTAAGGCCGGGAGAGGCCAGCCCAAGCGGGTGCAGTAACAGGTAATCTCT	4
wt-32430-32550	1697	GGTAGTGATTTGGACCCGAAATCTGACACTTTAGAGCTCTGGAGGACTTAAAACTTAAAACTAAAACTTTAGAGGGCAATGGGCGCCATTTTGTCCACGCGCCGATAATGGCGGA	4
wt-32550-32670	1698	CCTAGCCCTAAAACCCCGAGGAAGGGGCTATGTTGGCTGCGCTGCTGCTATCTTTAGAGGGGAAAAGGAATAAGCCCCAGACAGGGGAGTGGGCTTGTGTGACTTACCAAAA	4
wt-32670-32790	1699	GGTCAGGGCCCAAGGGGTTCCGCTTGTGCTAGGCCACCTTCTCAGTCCAGCGCGTTTACGTAAGCCAGACAGCAGCCAAATTTGTCAGTTCTAGGGAGGGGACCACTGCCCTGTATAAAG	4
wt-32790-32910	1700	TGGTCTCGAGCTATTTCTGGTCCGATCAGAGCGCCAGGAGTCCACACAAATGTAAGAGGGGGTCTTCTACCTCTCCCTAGCCCTCCCGCCCTCCAAGGACTCGGGCCAGTTTCTAAC	4
wt-32910-33030	1701	TTTTCCCTTCCCTCCCTCGTCTTGCCTGCGCCGGGGCCACCTTATCACCGTCCGCTGACTCCGCCATCAAAGCCTAGGGGAGACCAGGAGTGAAGGCCCTGGACCAACCCGGCCGGG	8
wt-33030-33150	1702	CCCCCGGTATCGGGCCAGAGGTAAGTGGACTTTAATTTTTTGTGTAAGCCCAACACTCCACACACCCAGGCACACACTACACACACCCACCCGCTCAGGGTCCCTCGGACAGCTC	4
wt-33150-33270	1703	CTAAGAAGGCACCGTCCGCCAGTCTACCAGAGGGGCAAGAACCAGAGCAGTCCGTAGAAGGGTCTCTGCCAGCAAGAAGAGGAGGTGTAAGCGGTTACCTTACGGGGTAAGT	4
wt-33270-33390	1704	AACCTGACCTCTCCAGGGCTACATAAAGGGAGGCTTAGTATACATGCTTCTTGGTTTTACAGGAACCTGGGGCTAGTCTGGGTGGGATTAGGCTCCCTCAAGTTGCATCAGCCAGGG	4
wt-33390-33510	1705	CTTCATGCCCTCCTCAGTCCCTAGTCCCGGGCTTCAGGCCCCCTCCGTCGCCCTCCAGAGACCCGGGCTTCAGGCCCTGCTCTCTCTGTTACCTTTTAGAACCACAGCCTGGAC	4
wt-33510-33630	1706	ACATGTGCCAGACGCTTGGCCTTAAGGCCCTCGGGTCCCGCTGGACCCCGGCTCAGCAACCTGCTGCTCCCTCCTGCCACCCAGCCTCCCGCCCTCCCGTCCCGCTTCCGCTCC	8
wt-33630-33750	1707	TGATCCTCCCGGTCGCCAGTAGGGCCGCTGCCCGCTGCACCCAGTACCTGCCCTCTTGGCCACGACCCCGGGCCAGGCCACCTTAGACCCGGCCAAAGCCCATCCCTGAAGACC	8
wt-33750-33990	1709	CACCCGGTCCCTCCGGGGGACAGACAGGCAGGGCCCGCCGAGCTGGCCCGGAGGAGCGCCCGGAGTGGGGCCGCTCGCTGGGCTGGCCGAGCCCGGGTCTGGGAGGCTGGGGT	12
wt-33990-34110	1710	GGCGAGCCTGCTGTCTCAGGAGGGGCTGGCTCCCGGGTGGCCCTGGGGTAAGTCTGGGAGGCAGAGGCTCGCCCTAGGCCCGGGGAAAGTAGGAGGGGATCGCCCGGGTCTGTGG	8
wt-34110-34230	1711	CAGAGTCCGGGATCCTCTGAGACCTCCGGGCCGACGGTCCGCTCAGCCCGCAGACAGACCCAGGGTCTCCAGGCAGGGTCCGGCATCTTACGGGGCAGCAGGCTCACACCA	8
wt-34230-34350	1712	CAGGCCCGCCAGACCCGGGCTCGGCCAGCCGAGCCGACCCGCGCCGCGCTGGCGCTCCTCGGGCCAGCCGCGGGTGGTCTGCCCCCTCTCTGTCTTACAGGAACCCAGGG	12
wt-34350-34470	1713	ACCTCGGGCACCACAGAGCCCTCGGGCCCGCTCCAGCCCGCTCCTGGTCTCCGCTCCCTCTGAGCCCGTTAAACCCAAAGAATGCTGAGGGGAGCCACCTCGGGGCCAGGCC	8
wt-34470-34590	1714	CCAGAGTCCAGAGGTACGGGACCTCAGGGTCCCTCCCGGGTCCAGGCCAGCCGAGGGACCCCGGAGCCCGGGCGGCCAGAGGCCGGTCTCTCGCCCTTCCCGGGCTTCAG	12
wt-34590-34710	1715	AGCCAGGATGCCCCAGAAAGGACCTTAGCGTCCCTTCTCCCGCTCCAGGCCAGCCTCTCCCTCGGGAGAGGGGCTTTGGGCCCTCAAGTCCAGCCCGCCAGCCCGGACCCG	8
wt-34710-34830	1716	AGTGGCCCGATCCCCCACCGCCCTTCTCTGTCCCCCTGCTCTTCCAACTTCCGCTCCACCTAGACCCAGCTTCTGGCCCTCCCGGGTCCACCAGGCCAGCCGAGGGACCC	8
wt-34830-34950	1717	CGGACCCCGGGGAGTCCCTTCCCTTCCCTGGCTCTCTTCCCGCTCCACCCAGCCCGCTCAGCTTCCCTCCCGGGTCCATCAGGCCGGCCGAGGGACCCCGCGGCGC	12
wt-34950-35070	1718	CCGGTGTAGTCCCGCTCGACCCCGCCAGTCTCTGCTCCAGGCAAGGGCGCCAGCTTTTCTCCCGCCAGCCTGAGGCCAGTCTCCTGTGCACTGTCTGAAAGTCCAGCCTCCACG	8
wt-35070-35190	1719	CCCGTCCACGGCTCCCGGGCCAGCCTGCTCCACCCCTCCCGACGGTGGACAGGCCCTTCTGCCACCCCGGCCATCCCGCCCGCCCTGTGTCACCCAGTCCCGTCCAGGGGAACTTT	8
wt-35190-35310	1720	ATGTGACCTTGGGCTGGCTCCCATAGACTCCCATGTAAGCCTGCTCAGTAGGTCGCTCCAGAGCCCTTTGCCCGCTGGCGCCACCCAGCCCGCCCGGGCCCGGAACTT	8
wt-35310-35430	1721	TGTCAGATGTCCAGGGTCCCGAGGGTGGAGGCCAGCCCGCTTCCCGCCAGCCCGCTTCTCCCGGAGATTTTTGGGAATGGTGAATTTTCTCCCTTGTATTTGCTATTCAA	4
wt-35430-35550	1722	TCAACTGATTTCCCGTCTCATACCTCCACTTACAACCAAGCCACTACGGCCAGTCCCGGCTCCCGCTCGGGTAAGTCTTTTTCATTTTAGCCCCAGCCCTCCTCTATAAGTT	4
wt-35550-35670	1723	CTAGGCAACCTCCAATCACAGCCACCTCCAATGATGCTCTTAGAGAGTGGCTGCTACGCATTAGAGACCACCTTGGCCACCCACAGTAACACCCAGCCCAATCTGTCTACATA	4

wt-35670-35790	1724	GAAGAAGAAGAGGATGAAGACTAAGTCACAGGCTTAGCCAGGTGATTTGTGAATTCAGTTATTTACTTTCTTCCAATCAAGCTTCCAGCCTCCGCTGTAGTCTAGTTATGGG	4
wt-35790-35910	1725	TTTTCCATGGGGACTTAGTATCCGTTCTATTAGATTAACTGCAAGACGCTAAACTTAACCAAGGTCAGCCAAGGGACGCGTGTATCCCAGGCTGCCACCCTGAGGATTTCCCCCA	4
wt-35910-36030	1726	AAATCCTCCTACCCTCTCTTTATGCCATGTGTGTGTGGCTGTGTAGTGTCTATGTAATGCGTTGCCGCCAGGTGGCAGCCTGTTATAGATGTGCAGTACCCTTAATGTTAGTCT	4
wt-36030-36150	1727	GCTTAGGGCTGCCAGGTGGCCCAATCTAGGATTAATTCACCTGTATCCCTTTCCCTCCACCAGCAGTAACCCAGCACTGGCGTGTACGTTGGTAAAGTTTGCCTGAACCTGTGGTT	4
wt-36150-36270	1728	GGGCAGGTACATGCCAACACCTTCTAAGCACCCCGCCTGTGTGTTTGTCTTATCTGCCCATCATGCCATACATTTCTGCGTTACATGGGGGACAAACATATCATCTAATGTTGT	4
wt-36270-36390	1729	ACACGGATAGTCTTGGAAACCCGCTACTCTCAGTAATCCCTCGAATCCCTACCAGGAACAAGTGTACAGACACTCCATAATCCACTAACAACTTTTGTGGGAAAAACAGGGGGTGC	4
wt-36390-36630	1730	CACCTGACGACAGGGATGCCATGGGACAAAGCAACCACTCTTGATAGGGATGACGATAGGATGACGCTGGGGCCAGCCATGGTGGCCACCCATCTGCCATCTGCTATGCGAATGCTTTGGATGGCTAATT	4
wt-36630-36750	1731	ATATTGTAAGACAATCACGGGGTGACCGGGGCTTATTTTGGCACAAGGCCACAAACAGCCCTCAGGCCAGGTTGGTCCAGCCACATGTCCCCCTCTACGCCGACAGCACCCACCA	4
wt-36750-36870	1732	TTTTGTACCTCTGTACAAACCGAGGCTTACCCTCCACAACCACTCATGATGCCACCAAGGCTACCCTCCTACCCTCTGCCACCTGCAACACTAACGGTGCACCAAGGCTACC	4
wt-36870-36990	1733	GTCCCTACCCTCTGCCACCCACACCACTACTCACGGTACTACAAGGCTACCAGAACTCAACCCACACCATACCACCAACGATGCATCTCCCTGTCTTGCATGTGCCAGACCAATCAA	4
wt-36990-37110	1734	TGCACCTCTTACTCATCAAAGCACCCTAATGATCCAGATAGTCCAGAACCAGGTCGCCGACTGATTTTATAACATCCACCTATGCCATTACCCCTCACAATTGCCACCACCA	4
wt-37110-37230	1735	CAGCACGACAGCCACCTCCAGGGGTATCAACGACCAACAATACATCATCTACCCTGGGGCCAGCCATGGTGGCCACCCATCTGCCGACCCCTGCGACCCCTCAAGACTCAAGGCC	4
wt-37230-37470	1736	GTCCATGACATGCCGAAGTCCAGTCTCGGCTTCTATCAGGGACAAGGGGCTGGGGACTACCAACTCCTGGCCATCCAATGCCGCCCGGTTGTAGAAATTCACACAGGCAA	4
wt-37470-37590	1737	CCCCTAAGGTTTACCATAACATGAACCGGAGTCCCATAATAGCCAGAGGCTCCATTCTCTCCCGATGATGGTATCCTCCATCTATAGACCCGACAGACTAGACGAAAGTTGGG	4
wt-37590-37710	1738	ATTACATTTTGTAGACAACAGAACTCTCCTAGCTCAGATGAAGATTATGTGGAGGGACCCAGTAAAAAGACCTGCCCTCCATCCAGTAAAAACCTTGGCTCTCCAGCAACCAATGAT	4
wt-37710-37830	1739	CCCAAATAAATGTTACTTCTTTGCTCTTAACCAATTGACACGCTGTCTTCTATCAATTAACAAGGGAAAAAGGTTAGCTATTCCACCAACACGACCCCAAGGAAGGCTTGCACAAA	4
wt-37830-37950	1740	TGGTGCCCTGTCTCAGCACTTTGCCAGCAACTATAGCATGGTAGGCAGCTCAACTCGGCCGCTTACTGCCAGCCACTCTCCACTCCAGTCCATGTTCGCACTCCTATGCATT	4
wt-37950-38070	1741	TCCTGCCCTCCACTTTTACCCAGTCCCAACCCAAAACACACACAACACATAGAATTTGTTAGTTTAAACAGTTTATTGATAGGTGGCTGCTTTAGCCTAATTGTATTGCTCTCGT	4
wt-38070-38190	1742	TGCCAAAACCTGTTGTAAGGGCCGGCACCCGCAACATGGGAAAAACATAACCGCCGCCATCCCATGGGAGGGTAGAGCGGTTGACATGTAGGTGAGTAGTGAAGAAGCATGGCGAAG	4
wt-38190-38310	1743	TAGACAGTTACTTTTAGAGTGTAGTGTACAGGGCCGGGCCAACAGTGCACCAACCCGGGGTCTGAGCATTCCATGGGCAGCAGGGACACTGCACTACCGCCAGGCTCCTGGGGCAGCC	4
wt-38310-38430	1744	GGGGTTCCTGGCGCTCCGGGGGACGCCGGGGCCGCCGGTGGTCCGCTGGGCCGCTGCCCGCTCCGGTGGGGGGTGGCCCGCTGGGCACCCGCTGCGCCGCCAGGCTCCTGGG	12
wt-38430-38550	1745	CAGCCGGGGTCTGGCGCTCCGGGGCAGCCGGGGCCGGCCGGTGGTCCGCTGGGCCGCTCCGGTGGGGGGTGGCCCGCTGGGCACCCGCTGCGCCGCCAGGCTCCTGGG	12
wt-38550-38670	1746	TGGGGCAGCCGGGTTCTGGCGCTCCGGGGCAGCCGGGGCCGGCCGGTGGTCCGCTGGGGCCTGCCCGCTCCGGTGGGGGGTGGCCCGCTGGGCACCCGCTGCGCCGCCCA	12
wt-38670-38790	1747	GGTCTGGGGCAGCCGGGTTCTGGCGCTCCGGGGCAGCCGGGGCCGGCCGGTGGTCCGCTGGGCCGCTGCCCGCTCCGGTGGGGGGTGGCCCGCTGGGCACCCGCTGCGCCG	12
wt-38790-38910	1748	CGCCAGGTCCTGGGGCAGCCGGGTTCTGGCGCTCCGGGGCAGCCGGGGCCGGCCGGTGGTCCGCTGGGCCGCTGCCCGCTCCGGTGGGGGGTGGCCCGCTGGGCACCCGCTGC	12
wt-38910-39030	1749	GCCGCCGCCAGGTCCTGGGGCAGCCGGGTTCTGGCGCTCCGGGGCAGCCGGGGCCGGCCGGTGGTCCGCTGGGCCGCTGCCCGCTCCGGTGGGGGGTGGCCCGCTGGGCAC	12
wt-39030-39150	1750	GCTGGCCGCCGCCAGGTCCTGGGGCAGCCGGGTTCTGGCGCTCCGGGGCAGCCGGGGCCGGCCGGTGGTCCGCTGGGGCCTGCCCGCTCCGGTGGGGGGTGGCCCGCTGGG	12
wt-39150-39270	1751	GCACCCGCTGCCCGCCAGGTCCTGGGGCAGCCGGGTTCTGGCGCTCCGGGGCAGCCGGGGCCGGCCGGTGGTCCGCTGGGGCCTGCCCGCTCCGGTGGGGGGTGGCCCG	12
wt-39270-39390	1752	GCTGGGCACCCGCTGCCCGCCGCCAGGTCCTGGGGCAGCCGGGTTCTGGCGCTCCGGGGCAGCCGGGGCCGGCCGGTGGTCCGCTGGGCCGCTGCCCGCTCCGGTGGGGGGT	12
wt-39390-39510	1753	GCCCGCTGGGCACCCGCTGCCCGCCGCCAGGTCCTGGGGCAGCCGGGTTCTGGCGCTCCGGGGCAGCCGGGGCCGGCCGGTGGTCCGCTGGGCCGCTGCCCGCTCCGGTGGG	12
wt-39510-39630	1754	GGGTGGCCCGCTGGGCACCCGCTGCCCGCCGCCAGGTCCTGGGGCAGCCGGGTTCTGGCGCTCCGGGGCAGCCGGGGCCGGCCGGTGGTCCGCTGGGCCGCTGCCCGCTCCGG	12
wt-39630-39750	1755	GTGGGGGTGGCCCGCTGGGCACCCGCTGCCCGCCGCCAGGTCCTGGGGCAGCCGGGTTCTGGCGCTCCGGGGCAGCCGGGGCCGGCCGGTGGTCCGCTGGGCCGCTGCCCGC	12
wt-39750-39870	1756	TCCGGGTGGGGGGTGGCCCGCTGGGCACCCGCTGCCCGCCGCCAGGTCCTGGGGCAGCCGGGTTCTGGCGCTCCGGGGCAGCCGGGGCCGGCCGGTGGTCCGCTGGGCCGCTGCCCGC	12
wt-39870-39990	1757	CAGCCCGCCGATCCTCCCCAGGGCGTACCAGGCTTGCCTGGTTCTGGGGCTCCTGGGGTCCGCTGCATCCGCCGTAGGGTTGGAATGGGGTGGTCCGCTGCTGCTGGCC	8
wt-39990-40110	1758	GGTACGCTGGATTGCCGGCTGGGGGTGGGGTCCCGGACGCCCCCTCCTGCTCCACCAGGTTCCCTCCCCAGGGCGTGCCCGCTTGCCTGGTCTGGAGCTCATCCGGGATGC	8
wt-40110-40230	1759	TGCATCCGCTAGTCCGACTGGGTGGTGGCGTCCGCTGCCCCACCCCTGGGGTAGCCCGGGTCTGCTGGTCCGCTGCACCTGGAAGGCAGGGGGGGGGCAGTGAGGGAGGGCGT	8
wt-40230-40350	1760	GGTCTGGGACCCCGCCGACTGGCAGGGGGTCCCATGGCACAGGCTAGGGTCCAGGGGGCAGCCGGCCAGCCCGCCGTTACGGGGAGGACCCGCGCCAGCCAGG	12
wt-40350-40470	1761	GGCCCGGGGGGGTGGGGGGTGGCGCTCCAGGCCGACCCCTGGTGGCAGGCAGGGACCCCGCCACCCGCTTATGGGGGGGAGGCCCGCCGCAAGGACGCCGGGGGGCTGGGAGGTG	12
wt-40470-40590	1762	TGCACCCCGGAGCGTCTGGACGACGCTGGCGAGCCGGGGCCGGCTGCCTCTTTTATCCTCTTTTGGGGTCTGTGTAATACTTAAAGTTTGTCTCAGGAGTGGGGGCTTCTATTG	4
wt-40590-40710	1763	GTTAATCAGGTGTGCATTTAGCCGTTGGGTTTATTAAAGGTGTGCACAGTGGTGGTACTGGAGGTTATTCTATTGGGATAACGAGAGGAGGAGGGGCTAGAGTCCGGGAG	4
wt-40710-40830	1764	ATTTGGGTAGGGGAGCCCTCAGGAGGTTCCCTCCATAGGGTTGAACAGGAGGGGGAGGATTGGGCTCCGCCCGATACCTAGTGGGTGAGCCCTAGAGGTAGGTATCCATAGGGT	4
wt-40830-40950	1765	TCCATTATCCTGGAGGTATCCTAAGCTCCGCCCTATATACCAGTGGGTGGAGTGGTGGTACTGGGTTCTACTGGGGTACCCTACCTACCTAAGGTGCGCCACCCCT	4
wt-40950-41070	1766	TCTCTTCCGTTTAAATGGTAGAATAAACCCTATAGGTTATTAACCTAGTGGTGGAAATAGGTTATTCAGACTGGGTATATACCTAAGGTATATAGAACCAGAGGAAAGGAAACCTATAG	4
wt-41070-41190	1767	TGTAATCCCTCCCCCCTACCCCCCTCCCTTACGGTTGCCTGAGCCATCCCCACCCAGCACCCGGGGTACGTTGGCACCCCGCTGCCTACTGACTTGTACCTTTGCACAT	8
wt-41190-41310	1768	TTGGTCAGCTGACCGATGCTGCCACTTCTGGGTGATGACCTGGCTGTGCTTGTCCCGTGGACAATGTCCTCCAGCGTGGTGGCTGCCTTTGGATGCATCACTTTGAGCCACTAA	4
wt-41310-41430	1769	GCCCCGTTGCTGCCTTGCCTGCCTACCATGACACACTAAGCCCTGCTAATCCATGAGCCCGCCCTTATGGAAGCACCAGTCCCGGGGACGGAAGGGGACTTGGGGTGAATTTCTA	4
wt-41430-41550	1770	TGTGGGGTGGAAATAGAGCAAGAATAAAGCAGCGCTTATTAACCTGATCAGCCCGGAGTGTGCTTTCATCACTAACCCCGGGCTGAAGAGTTGACAAGAAGGGTCAAGGTT	4
wt-41550-41670	1771	TCGTCTGTGTGTAAGGGCAGGGGCTGTGGGTGATCTGGAACGGCTTACCTCGGTAAGTGTTCCTTCCCAAAAAGTTGGGGATAGGTTTAGCCCTTTAGCTGCCATTTCAAGCT	4
wt-41670-41790	1772	GGGGTGTGCAGATGCAGTCTCCGGGTGGGCAGCAGTACGAGATGTCACCTGTGTTGCTTTCTCCACCCCTGTCTGGCTGTGGCAAAATGCGAACCTCATAGAGTTGTGTTTCAG	4
wt-41790-41910	1773	GTCTGTGCTGTTTTCGGTGGGTTATTTCTCCCTCAGTGTGGCCAGTATTTCCCAAGTTTTCACGACTGGGGCTGTGGACACCTGAGGGAGCCGGCTTGGTGGTATGTGT	4
wt-41910-42030	1774	TGGAATTGCTCCACCCTCAATTTTCGCTTGCCTTCTCCCTGTTAACCTGATAGCATAGCCTTAGGTTTCTTGTAGTCTGTTGGGTTGTGGTTACGTTGTGTAACCTGAA	4

wt-42030-42150	1775	TTTTTTGGTTTTCTAGTTCCTTAATTACATTTGTGCCAGATCTGTGAGAGCAAGATGGCCTATTCAACAGGGAGATACTGTAGCCCTGTGTATACGGGACAGTCGTGTGCATGGA	4
wt-42150-42270	1776	AATGGTACCCTGCATCCTGTGTTGGAGCTAGCAGCAAGAGAAACACCTCTCCGCTTTCCGCCAGAGGACACTGTAGTTCTGCGTTATCATGTGTTGCTTGAGGAGATAATTGAACGAAAT	4
wt-42270-42390	1777	TCAGAGACATTTACAGAAACTTGAACAGATTTAATACACACACCCGAACATGTGGATCTGGATTTAACTCAGTATTTTAGAGATATTTACCCTGGAGACCCCAAGCCTTGGGCGCGC	4
wt-42390-42510	1778	TTGGCCTGGATGGCCTGGTGCATGCATGCTGCAGGACATTTGTGTTGAACAGTCTACTCCTTACTATGTTGTGGACCTGTGAGTTCGTGGGATGTTAGAAGCCAGCGAAGGCCTGGAT	4
wt-42510-42630	1779	GGTTGGATTCAACAGGGCGGCTGGTCTACATAAATGAAGACAACATTCCTGGATCCAGAAGGTTTAGCTGGACTGACTTGTAGTCTGTTAGTTATATGT	4
wt-42630-42750	1780	AGTTATTTATTTATCTCCAGAGGAACTAATCTATACATTTTCTCAGCCTTTATGAATCAGGGTCATTTGGCCGCGGAACTGAGCCAGTAGGATATAGGCAAGGGTGACA	4
wt-42750-42870	1781	CAGTGCCTATGCATTATAAATTAACCAACACAGTGTCTGCTGTTTAGGCCGCGCATGGGGCTTTACAAGCAATAACAGTCCCAATGACCCGCCCCCACTTTTAAATCTGTTGCAGACA	4
wt-42870-42990	1782	TAGCTGATACCCAATGTTATCTTTTCCGCGCAGAAATGAAAGTGTGGCCATATCTACAATTTGGGTGCTAGTGGGATATACGCCTGTGGTGTCTAACGGGAAGTGTGAAGCACAC	4
wt-42990-43110	1783	ACGTAATTTGCAAGCGGTGCTTACGCCTCTTCGTTAAAATAACACAAGGACAAGATACTAAAGAAATAACTGAGGTGAGTGTGGGAAGATGGGAATACATATGTGTTATGTTAACGGGTGA	4
wt-43110-43230	1784	GAGCCTACTGCAGCCAGACTCGGGGGGAGGAGAAATGGTAAGAGTTACTCTACTTATCTTTTTGACACTACATTTAACTGTTATGTAACAATGTTTCTTATTTTTCATGTTC	4
wt-43230-43350	1785	ATAAAGCCTATGTTAATGATGAAGAACCTGTGTTCTTTGGAAGTGGGCCAATGGGTAGTAGGTTTTGGGAGGTTGCCGTCTAGATATTTCAACTGCCACAGACCCCACTTTGTCCCA	4
wt-43350-43470	1786	CCTGTACCACATTTAGTCTGCATCCACCTCAGTGGGCGAGTGTCTCACCATTGGCTCTTTAGTGGATGGAACACAGTCCAGCCCAAGGCTACCTGTTAAATCTGTTGCATGTCCA	4
wt-43470-43590	1787	CCCCACCTGTGTTACTGTGCGCTGATTATCCTGGCTTAGCAGCCTCCAAGTTTACAAGACGTCCCAATGCCCTGCCCTGGTCCAAGTCTCGCCGTTTTACGAGCCTGTTGTAGC	4
wt-43590-43710	1788	CTGCCCAAGTTTCGACAGTTTCCCCATGCTTCCACCCGTTAACCCAATAGCATGACAGCCAATCCAACACGAGGCAAGTTTTAAGAGTTAAAAGCAACTACTGTTTATTTCCAAAA	4
wt-43710-43830	1789	TGAGCTGGATATAGTTGATGATCTGTAGGCCAGCTCATCCCACTTCCAGGTCCTTGTAGGCTCGTAGATGGCATCTTCGTCACATTGACAGCCTTCTCATATACCGTGTCTCTGG	4
wt-43830-43950	1790	GGCTGACCTTATACAGAAGCGTCCCCTACTAGGTCACCGCCAGCTCGTAGGTGGGGCTATGTTTTCACATAACAGTTTCAAGCAGGTCTCTGGGATGTGAAGGGAGGTGCCCTGGA	4
wt-43950-44070	1791	CGAGGAGATGCATGATTAGGCCCCCTTTCCATTTGTGCTGAAGATGGGGCAGATGGTGCCACAAAAGTGCCTGACCCAGGTAAGCGTAGAGAAGGCTGGGTTGGGAAAGTCCAGCT	4
wt-44070-44190	1792	TACTGCACTGGGAGAGCTGCTGAGCAGAGACATAGAAGTCTTGTGGGATTATCTTGTGGACATTGTTGAAGAAGGAGAGCTGGGTGGAGCTAAACTCCTGAGGCACATGAACCT	4
wt-44190-44310	1793	GGACCTATTGATGCAGATCTCGCAGTGAGACCCAGAGTCAGGCTGTGGCCGAAGGGAGACAGCGCAAGGCAGCGCCCGGGGGAGAGAGTGACAGTGACAGTGGGAGAACACGGCCT	4
wt-44310-44430	1794	CTGAGACATGATGGGGGTGTTTCATCTCACGCAGAAAATCTTTGCCAGCTCAAAGTTGGCAGAGATTCGCCGTAAGAAGTCCCGTAGTGAAAAATGGGATCTGTCTACACCATGCTCTGG	4
wt-44430-44550	1795	TGTGCCGGGAACATATTGATCGGGCCACTGCCAACCTTTCCATCTTCCAGCTCTGAGCGAGATTTCCACACCTGGACACCCGACTTCAAGCTATGCGCCGAGGCTTTGAGGCCG	4
wt-44550-44670	1796	TGTAGTTCTGTGGTGGGATGCATTAGCCGGCGCAATGCGGGATCTGCCGCTGTGTCGCTGATTTACAGGCTGCGGGTGGCCATCTGGGGTACCCGGGCCATCGGGTTTACTTTTTCACAGTAGA	4
wt-44670-44790	1797	CCTGGGAAGTTTATAGGACTGTACCAGGTCAAGGCCGTGGATGCGCAGACCACGCTCCAGTTCTTACTGACATCCACGAGGATTGTTTTGCCACTCTGGCCACTTGTGTGGATTTAA	4
wt-44790-44910	1798	ATATGTACACAAGCGTAATTAACGAGTCACAGACCCCTGTTCCAGATTCTGACCGCTGCAAGCGCTGCCTTAAAGGCCTGGAAGCTGGGTGGGTAATCTGACCAACAGCAGCTCG	4
wt-44910-45030	1799	GATTCGTGATGCTGTGGTGTATGACACAGGGGGTCCGAGAACAGGTGCTTGTGGAAGTCTTGGGGGTGCACATCTGCAGCCAGGCCCTTACGCTGGGGCATGGCACATCCAGCAGCG	4
wt-45030-45150	1800	TGTTTTGGCTTGTATGAGGAACACGATCCTGTCTAGGATTTGATGTTGTTGCCGAACGATCAAGAATCAGGCTCTGAAGCCGTCAAGGGTGTCTTGGCGTCCGGGTGGGCCCGCA	4
wt-45270-45390	1802	CCAATCCGCCAGCTCATCCGCGTGTATCCGCTTTAAACCGATAGCATGGTGGCTGGCCCGGAGCAGGCTCCCTGCCAGTACTAATAGTAGTCCACAGTAGTCGCCCT	4
wt-45390-45510	1803	TGGTTGTAATTTACAGGAGAGAGTCTCCCTTTTCCGCGCTGAGAAAATGGAATGCTGCTCGTTTCTGGTAGGCAGGTGGCAGCAGAGGGCGGTACAGGCCCTGCCAGCTCCCTCG	4
wt-45510-45630	1804	GGACATCCTGGGAATCTTTCAGGTTCTGGTCCAGGGAGGGTAAGAAAAGTGGGGTGGTCTGGGCCACATGGACTTGAAGCAGAAGTGGCCGGGACTGGCCGTGAGGATGGATT	4
wt-45630-45750	1805	TCAGAACTCCAATTTGTAGTAGCCAGGTTGGCATTCTAATCATGTGAGAAAGGACACAGGGAGGAAGCACCAGCAATGTAAAGTGAAGCTGGATGTCAATGGCAAGAACTCTGG	4
wt-45750-45870	1806	AGGGCATGAAGAGGGAATCCAACCCCGCCATGGGGAAGTATTTATCAGGATGTGTAAGAAAGTCCATGCCTGTGATGAGGCTAGAGATCCAGGCTCGTGGGGCATTTAGACAGTAGT	4
wt-45870-45990	1807	AGCAGACAGGGCATAGTCTCAAGAAGGCCACGGGGGCATCTGAGTGATTACACAGGCTGTCGAGCAGATCAAACTCGGCAGTGTGCTGGTGGAGAGAGGACTCGTAGGTGTGGA	4
wt-45990-46110	1808	CGAGTGGTGGTAGGCTATCCCTTCTCCGCTTGGCTGGAAGATAGGAGTGGCCATCAAAAGGCCGACTGCCCTGAACTGGCTTTTTCAGATTGTCCAGGTCCAGGCCACAAAGTCCCT	4
wt-46110-46230	1809	CCATCTTTGGAGTTCTGCCCGCATCTGTGCCACCTCTGTACGCCACTCCTCGTAGGGGGCAGCTGGACAGTCTTTTCCGGTCAAGGGGTTGGCTCGTTTCCGCTCGTACTTTGT	4
wt-46230-46350	1810	GAGCCATGACACATCTGGTGGCAAGGTGAGGTCCTTCTGGTTTTTAAATACGGGGTCCGCCACAGTTTCTGGGACACCGCCACAAGGACAAGGTGGGCTAGCAAGTTCTCGAGTCTACG	4
wt-46350-46470	1811	AAGACTCCGGGGCAGTCTTTTGTGTTTCTGCCTATGATCCACCCCAATCTCGCCCCCTAATTGCGCCATCTGCCTACGCGAGGCTGAACCTCCTGAATCACTGCATCTTTCTGAGG	4
wt-46470-46590	1812	CGTTTAAAGAAGAGAATAGTGGCCAGGGCCTCGTGGGGTCCAGCGTGAGGCTTATTTTGAAGGAGGATATATAAAACAGGTCATTGCTCGGATTGTGGCAGCCGATAGCACCCCTAG	4
wt-46590-46710	1813	ATCTAGTGAATCATGGCGAGCCCGGAAGAGAGGCTCCTAGACAGCTCAATAACGTAATTTGTGTCATTTCTGTGTGACTCGGGTCTCGGAAAGTGAAGAGATGCTCCGGGGCAGTGTG	4
wt-46710-46830	1814	TTCTCCAGGGCAGCTCCCAACCCCTCTGCACCGTGAAGCTGCGCCACGGACAGATTTACCACCTGGAGTTTGTCTACAAGTTCTGGCCTTAAGCTGAAGAAGTGAACCTACCCCTCC	4
wt-46830-46950	1815	TCGCCGTGTTTGTGATATCCAACAACGGCCTGGCCACACCCCTGAGGTGCTTTTGCACGAGCCGTGGGTCTCAGATCGGGCCAGAGCGGCCCTTGCCTGGTCTCTCAACGGATGTT	4
wt-46950-47070	1816	GACCTACCAAAAGAACTCCATCATTATGTGGGCCAGGATGACTTCATTAAGTTAAAAGCCCCCTGGTCTCCCTGCTGAGCTGATCTCCTGAAATCTATGGTGGTCTGCCGGCCCTAC	4
wt-47070-47190	1817	ATCACGGAACACCCGACGACGATGCGATTTCTGGTGTTCAGGCCGCCAACCCCAAGGCGCTCGCGGGTATGATATGATTAGTATGATGTTCTCAGCAACTGTCTCGGTCTGGTCAA	4
wt-47190-47310	1818	GTCGAGGATACGGCCGCCAGAGTCACAGGTGAGGAGTCCAGGCTGGCCGTCACGCACTCGGGGTGCTTGGGACTCACACGTTAGGGGGCGCGTGGTGGGACTGGATAACTTT	4
wt-47310-47430	1819	TCAGAAGCTGAGACCGAAGACGAGGCGAGTTACGCTCCTGGAGGACAAAGACTCGTGGTCCGAATCCGAGGCGGCCCTGGAAGAAGGAAGTCTGAGGCACCCCATCCGCAGGCAC	4
wt-47430-47550	1820	CGGACACGCGAGACTCGCCGATGCGCGGGAGCCATTACGGGTGGAACAGCTGCCCCCGAGACCCGGGAGACGGTGGTGGGGGAGCATGGCGTTATCTTGGCGGCCACACCTTAT	8
wt-47550-47670	1821	CTGGCAGGGTCTGGCTGTACAGGCCGTGGCCCTGCTCCTGATGTTTCTGAGGTGGACCTGACGTTGCAAGCCCTTGGGAGCGGGGGTCTCCAGGCTCCTGATCTGGGGCTGGCCT	8
wt-47670-47790	1822	GCCTGACTGAGCTATGTGAAATGAGGGAAATTTGTGGTTTTGGGCGAGGCCCAAGCTCTGAGGCGCTGCTGCGCTCTACGCCAGGCTCGCTTTCCGAAGCCACTCGTCCGCCTACT	4
wt-47790-47910	1823	GGTTGTGAGGCTGGAGAGCCCGGGGCTTTGTCCGCTGGCCAGTGCACAGCAGCCCTCAGCCCTGACCTGACCCGCCCCCTCTGGCCCTCCCTCTGGCCCTTTGACGTGCTA	8
wt-47910-48030	1824	CCGGTGGTGGTGTGAGCCGTGGCCCTTTTGAACGCCCTTTTCTAGCTTATTTTTGGTTGTGCGGCTGTTTTCCCGCGTTTTCCGATAGAAATAGCTCGGATCTGCGACCGGT	4
wt-48030-48150	1825	CCCCTTTCTGCGAAAACACCCGGGCGTGGCCAGGGTTACCAGGCGCTCGTGAAGAGTTCTTGGCATTCTGTTGAGCGTAGTAGCTATGACCCCCCTTGTGAGGCAAACTCTA	4
wt-48150-48270	1826	GGCCTGTGAGGCTGCTTTGCCATCAAGAATTATGTCCCGGCCTGGACTCACAAAGCTGTGTGACGGTCCGAGCTTCTCCCGCTGGGCCAGTCTACGCCAGCGACTCGATCCCC	4

wt-48270-48390	1827	GGGAGATTGCGACAGAGTACACCAGCGACTGCACCTTCGTTCTGGTGTATCATGCTCGGCTCTATTGGCCTCCCTCCAGAAGAAGCGCTCGACACCCCTGTGGGAATCCCATTC	4
wt-48390-48510	1828	AGTGGATGTGGTACCCTGTTGGTAAACTCGTGCTGAGGAGTGCCTACTGTTCTGCTATACCTGCCGTCTGAGGGGGGAGAAAGACGGCGGGGGCGTAGGGAGGAGCTCG	4
wt-48510-48630	1829	TGGGGCCCGGGGGCCCTGCCTGAGCCGGGATGTTTTCTGGCGATCGTAAGCCGCAATGTTCTCTGCTGCTGCTGAACGTGCCTGCCCGGGTCCCGGGCTACAAGTGTTCAGAT	4
wt-48630-48750	1830	CCCACGCCTCCAGACCCGGTGTCTGGCCCGGATTACCTCCCTTGGCCGTGTTTGCATGGACTGCGGTACTGCTTGAACTTGGAAAGCAGACAGGTGTAGGAGGCAGGCTCAATTCTC	4
wt-48750-48870	1831	TTAGACCCACTCTCCAGTTTTATCCCCGTGACCAGAAGGAGAAGCATGTGCTGACCTGCCATGCCACGCGCCGTGTACTGCTCCAACCTGCGGCTCTGCGCGGTGGGCTCGCAGGCG	4
wt-48870-48990	1832	TGGCTGAGCCACCAGCGCCCTCGGCTGGCGCCCGCAATCCGGCAGTGTCTGCCACACAGCCGGCTAGAGCTGCACCGTGGCTCCCGCTCTGGATGCCATCACCTCTGCT	8
wt-48990-49110	1833	TGGGACCCAGCCGCACTTGCATGCGCGCGGTGTCTGCGGGGGTGCAGCGTGCAGGCACTGTATTTAACTTTGCGGACAGAGGCCAGAGCCGTTGCTCCATCTGTGAGCAACGCC	4
wt-49110-49230	1834	AAGCTCCAGAGGACGCCCGCAGCAGCCTCACCTGTTCTCCTCTGTTAGAGGTAGAATTGCCACCTGGTGAACGGTGTGCGGGCTGCCGTCTATCAGACGCGTTATGGCACGCCGG	4
wt-49230-49350	1835	CTGCCAAAGCCACCTCCAGGGGAGGCTGGAGGCGGATTTCCAGACAGTCCCTGCTCTCAAATTTCAAGAGCTGAACCAGAAATATCCCCAATGATGTTTTCGGGAGGCTCAA	4
wt-49350-49470	1836	AGAAGTTACCTGGTATTTCTGACATCCCAGTTCTGCTACGAAGAGTACGTGCAGAGGACTTTTTGGGGTGCCTCGGCCCAACCGCCATAGACAAGAGGCAGAGGCCAGTGTGGCTGGG	4
wt-49470-49590	1837	GCTGTGCTCATGCACACCTTGGCGGGTATCCGCCACCCCGTCCAGCAGCTCAGGCCGCGCATCCGCTGGACCGGGGCTTGGCATCATCAGCGCCGTCCACGGCCGTAGCCCG	8
wt-49590-49710	1838	TCCGCGACCCCTCTGTTTCTCATCTATTAGCAGCCTCCGGCGCGGACTTCCGGGCGGACTGCCCGCCCTCCGCCCGCCGACAGCCGTCGATACCCGGTCAAGTGGCGGGGACAACCC	8
wt-49710-49830	1839	CACGACACCGCCACGCGGGGACGTAAGAAACAGTAGAGGGCACGAAACATGGTGTATGCACCTTATTATAAACAATTACAGATACAAAACTTGTAGTCTCTCAGGCTCGCGATGA	4
wt-49830-49950	1840	GGCGGTGGGTGGAACGCTCCAGCTTGGCGGAAGCTGGCTCACGAAGCGAGACAGTACTCGGCTAGCCTGACTAAGGGTGAAGGCTATAACGCGAGTCTGTTCCGGGGCGCGGTGGATA	4
wt-49950-50070	1841	GAGAGGAGGGGATCCGGAGGGGACCACTAGTTCGCCGGAGGTTCAGCCCTCCTGTCACACCTCCCTGATAATGTCTTCAATAGACAGAAATTTGGGTGACCACTGAGGGAGTGTCCACA	4
wt-50070-50190	1842	GTAATGTTGCTGCTGCTAGATGGCGGGGTGAGGCCACGCTTTGCGAAAACGAAAGTGTGAAAAGGCGCGGATAGCGTGCCTACCGGATGGCGGGTAATACATGCTATCCTTAC	4
wt-50190-50310	1843	ATTTTGGCATTTTGGGCAGCTGGGAGCGCGGATGGGGTGCCTTTTCGCACGGTGTATGTTTGGGAGCCCGCATGCCGGTACTGGGATAGCGCACCTCGGGCCGCGCCAGGCT	4
wt-50310-50430	1844	CCGAGCCGGAATGCATTGGGGGCAATGGGATTGCGGGGATTGTGCTGCTGCTGCTGACAGGGAGAGACACGCGCGGGGAGATGCAGCCAGCGCGGGGCGCGGTGGGCTGCCCCC	8
wt-50430-50550	1845	GAGGACGGCGCCGGCCGACGCGCCCGTGGCCTTTGGCACGGGCTGGCACCCACCGCTTTAATTGTTGGGGTGGGACGGCAGCTGCATCTTGGGCTTTGTGCTTGGCTTTTT	8
wt-50550-50670	1846	GGGGCGCGGTGCCAATGCACAACTGGGGTGTGCGCCGGGCGGCAAGCCGACCCAGGGCGGGTGCCTGGGGATGGGAAAGCCGACGCGCTTCCCGGGTCAACGCTGGAG	8
wt-50670-50790	1847	TAGCGGAGGCTGCTGCGCCGGCGCCACCGGGCGCACGGGTCGACGCGCCGACGGCCTGGGGAGGCGGGTGGCGGAGGGCCGAATCTCCCGGCTTCTCCCGCCCTGCTGTT	12
wt-50790-50910	1848	TCTTCCCGTTGCATGATAGATGGCCATAGGGTGGTCTGAGAGAGGCTGTGTGCTCGGGCTGGAGCCCAAAGTCTGTTAAGATGCCGCTGATGGTGTGGAGTATGCCTC	4
wt-50910-51030	1849	CCGTGCTGCGCCGGCTTGTAGGGGCTGAGGGTGGATAACTGGGCTTGTGAAAGCCCAACCTGGAATCTGGATGGTATGTTTCTTGTGACCCGAGGCAGTGCATGGTGTAG	4
wt-51030-51150	1850	AGTGTGGAGCAATGTGTAGACGATGGCCCTTGTTCAGAAAGCCAGGACTTGAAGGGGCTGTTGGTGTGCTGTTGGGAAAGGAGCTCCAGGAAATCTTGGCCATGGCTTGGGG	4
wt-51270-51390	1852	CGTCCCGGGGGAGGAGGTAGGAGACAGCCAGTCCCTGGCCCTGCCAGGGGCCACCTTCTAAGAGGGGGCTCTGTGGCTGGGAGGGCCAGAGCCCTCAGATTACGAGTAGTGTCTC	8
wt-51390-51510	1853	CCTTTCCCGTGGTCCGCTCCCTCCTCCCACTGCTGGAGCCGGTCCGAGGAGGGCCGGGTGTTATCTGCTGACTGAAACCCGTCGCCGCTGACCACTCCGTGCCCGCCACCTTGGG	8
wt-51510-51630	1854	GGAAACCGGAGAACAGCTCTGGACGTTGCGTGGATTGCGGGGAAGTGTATCCAACGGCAGCTGGAGGATCTCGTGCCTGTAAGAAGGAGGGTGTAGTACATCGGTGGCCATCGTG	4
wt-51630-51750	1855	AGGCCCGGCGCGTAAAGTAGAACCTGCACGTCGGCAGATTTGCCGATAGGTGAAACACTTCCAGATGATGTTTTCTGTTGGCCAGGATGGCCAGCTGGGGGCGCCCTCCT	4
wt-51750-51870	1856	TAGGTTGGCGCCCTGGCTCGGTGAGAAGCTCGCGTAGCCACACGGCTGGCGTCAAAGATGGACATCTCGCTCGAAAGACTCGGAGTAGCCGTCCAGGTCCTGCAGAAAATTCA	4
wt-51870-51990	1857	GCGAGATGGTCTCCACAGGGACCGAAGGGCTCAGAGTCCCGTCCGAGTAGAGGAGGGAGAACACCCCTGACTGTCCAGGGTCTCAGTTAAACAGATATTGAGAGGAGACAA	4
wt-51990-52110	1858	AGAGAGTTAGGGGCGACCGAGGAAGGCCCGCCACGGCCGCTCAAAAACGGAGACGGGATGGTGTACCCGAGCCCTCTTAGGACCGGTAATGGGAGTGCCATAAGGCATAAGAT	4
wt-52110-52230	1859	TTCTCAGGGCCCGCGGTAACGGTCCGTAGGAAGACGGGTTTCGCGGGGACCTCGACTCCCTCCCGCTGGGAGCTTCTCCCGTGTATAGGCCTGCTTCAAAAGTCGCGC	8
wt-52230-52350	1860	GGTAGTCCGAAATGCAGCCGGCCCTCCAGCGGGCAGCAATGAGTGCACAGCTGCTGAAGGGCTCGGGGCGCAAGCACCCGGCTGCAGGAGCAGCATGCAGGCTCGGGCGGGCCG	8
wt-52350-52470	1861	TACTTTGGTGTGGACCAGGCCAAGAAGTCCGGGTGCGGCCAGAGGGCGGCTCGGGTATCCATCTCCTCCAGCGCTCTGGAAGAAGATGAAGCCGGTGGTGGACCGCGATGCGGT	4
wt-52470-52590	1862	GGCGGTGAGGCGGCGCGCTTCCCGTGTGCTGCCGCGGTGGTTGAGGGCATGCCCCCTCCCGGAGGCTGGACTCCTGACCAGCCTGTAGGTGAGGACCGAGTCCGACAGGA	8
wt-52590-52710	1863	GGTCTCCAAACCCCATCTCTCGCTAGAGCCGAGACAGCCGAGTCCCTGCTAGAACGATGGGGCGCCAGGAAGCGCGCAGCGTAGCCGGATGTGTGCCACCGACGCGCCATCA	8
wt-52710-52830	1864	TCTCCGTTGTTCAATAGAATAACTTCCCGTCTGTGGCCGGGCTGGATAAGGGGGTATTCTAGAGGCGATGAGACTGGCGTGCCTAAAAGTGCATGGCCACAATGGGGTGT	4
wt-52830-52950	1865	CTGCCAGGCTTCCATCAGGGCTTTGGGCGCAGAGACGATTTCCGAAAGCAGCTCCCGCGCTGGACTCCACGTCGGGCCAGGTGCCAGTAGGAGTGGCGGGCGGGCGCTGAGGC	8
wt-52950-53070	1866	GGGCGAAGCTACACTGGCCAGGGTCTTCTCCTCCTCTTGGTATCCTGCGGGGACCAATAGTGTGGGGCGTCCGGTGGGGTCAAGGAAAGGCCTCTGGTTCTCAGCACGG	4
wt-53070-53190	1867	TGGGCATGACATATCCAGAAGTGTGGTAGAGGGGATGAGTTGAGCGGCTCTGGGTGCTGCGGAGAGCTAGCCGGGTTAAGGGGTGCGAGGGAGACTGTTTCCAGCCAGA	4
wt-53190-53310	1868	GGTGCCGCGTATTTGCGCCGGCCCTCCCGCCGCGAAGAAATGTGCCCGCGGGTGGGGCTCCATTGCCCATCCAGTTGGTGGTGGCGAAATCGTATAGGAGGGGCGAGTTGTTGG	8
wt-53310-53430	1869	TCAAGGGATGCTTAAACGAAAACGGTAGGCTGGCGGTCTCGTAAAAGCCAGGAAACTGCTTGGCCGAGGCATAGCCGAGCAGCTTGTCTTGGAGGGGCACTGGGAGCCAGCCG	4
wt-53430-53550	1870	AGGCCCAAAGCCAGCCCTGACGCTCCACACGATCTTGGCTGCGCGGGTGGTGTGGCCCTGGCTGGGTGACCAGATCCTGCAGCCTTCCCTGCAGCTGGGACTTCTCT	8
wt-53550-53670	1871	GGCCTCCTGGATGATGGCTCCAGTGGGAGAGGGCCCTTTCCAGTCTGCGACGGTCTCCTTGGCCCGCGACCCGCTGGGGTCCAACGTGGCCAGACCACTCAGCTCCTCCA	8
wt-53670-53790	1872	TGCCATCCATGGAGTTCTGGCCATGCCCTCGACTCCAGGAGCCGTTAGCTCATGAATTCACCGTCAGCCGACGCGGCTAGGTTACGCCAGGCACCCGCGCCCGCAGCTAAGGCCA	4
wt-53790-53910	1873	GGGCTCCTTCGAAAGACCCCGCACGGCCTCGAGATGCCCGGATCCACTTGGCGCTGCCAGGGATTTCCGGTAGGGCCATGAGCCGTTCCCGCCGCTGCCCGGGCCAGGGCGGCT	8
wt-53910-54030	1874	CGAGGGGAGCCTGGACAGGGGTTGGGCGGGAGGGAAGCAGGCTCCGGAGTTCATCGTGGGGGCTTCGTCGCTGACCTGGAGAGGACGGCTCCAGAGCCGTGAAAGCCCGCC	8
wt-54030-54150	1875	GAGTGCCTGCCCATCTGCTGGGCTTCCGATCAGGCTGCTGCTCCTCCGACCTGCTTCCAGCGGCTCGGCGCTCGGCTGGTACCAGATCCTGCAGCAGCTCCGAGAGGAGTCCC	8
wt-54150-54270	1876	CCGTGCTGGAGGAGATCGTCCCGCTCTGCTGCTGACGACGCTGGGCTTCTAGCCGAGAGCCGCGAGTCCGAGCCAGCCTGGCGGGGCGGTTGCTGGGGATAGTTGGAGGAG	8
wt-54270-54390	1877	GAGGCAGTTAGCCTGGCCTGGTCAATAGTGGCTTCCGGTAGCGTCCGATCCAGTACTGCTCAGCATGGCCGTAGGGCAGCCTCGGCTGCTGCTTTTTCCAGAAGCCCGCCA	4
wt-54390-54510	1878	GCCCCGCTCGTACTCCGCTAGGGGGCTCCAGATCCGTGTTGACCACCGCTGATTTTCATGCTCCGGGACTGCAGGGCCTGGCGCTGCGCGAGGGCCGAACCGATGGCATCGGCCG	8

wt-54510-54630	1879	CCGTCTGGCGGAAAGAGGGCCCCGGCGCTTCTCCGCTCTCGCCTCTCTCTTCTTGGCGGTAGCCGGGGGTGGCGGGCAAGCGTCCAGTCTGGCCAGAGGGCCGGTCT	8
wt-54630-54750	1880	CGATATCCGTGAACCAGCCGGGTTCCGGCCCTCAATCTCTCCGCCACCAACATCGTCCACGAGCAGGATCGCAGTCTCTCCCTCTCACCTCGTATTCCCAATAGCATAGCGG	4
wt-54750-54870	1881	CAAGGATCTGTGTAGGGAGTCCAAGATGTCCTGTCTTCTGGCTACTGCCGCCGCTGCTGCCGGCTGAGTCCGATTGTCTGGCAGCAGGGAGGCCAGCAGGGTGTCCAGTCACTCGG	4
wt-54870-54990	1882	GCGAAGTGGGAGCGGGCTCTGGCGTGCCGCCAGCGCCTTCTAATTCTGGCCAGGCGCTATTGCGCTCTCGCGCTCGCCGCTCTGCCTCTCTTGTCTTCTCGGAGCTTCT	8
wt-54990-55110	1883	CCTTTTCTTGGCCCCGTCTCCATAAGCTGCCGACGCTTCTTCATACTGTCCGTGAGCTCTTGTGGGGGAGTGTCCAGAAAGGCCCTCGAGCTGTTCTCGGTGGCGGGCTTAA	4
wt-55110-55230	1884	AGCCTTCGGCTCCAGCGCCAGGCTGCACCTCTCTGTGAGCTGATCGTGTGTTATTTCAATTTCTCAGTAACCTAGGAAGCGTTTCTGAGCTTCCCTGGGATGAGCG	4
wt-55230-55350	1885	TTTGGGAGAGCTGATTCTGCAGCCAGAGAGTAGTCTCAGGCACTCTCTCAGGCTAGCTGTGATCGTGCATCATTAGACCCGCACTAGACCTGGGAGCAGATTACCCTCGCGGCC	4
wt-55350-55470	1886	TCTCTTTAAGGTGCTGTGAGTAGCAAAATCTGCAAGGCCACTAGGCGCGCTGGCTCCAGCGTCCAGCGGTTGCCATCTCGAATGTGTGCAGGGCTCTGAGACCATGGGTCCAGGA	4
wt-55470-55590	1887	TGCGGTCAATGCCATCTGACCTCAGGCTCAAGGACCAGGCAAGTACGATAGAGGTGGTCTATGCTCTCTCGAAGGAGGCAATGAGTTATCGATGGTGTAGAAAGGTGATGATTTCA	4
wt-55590-55710	1888	GGATGTCATCAGTACTTTTTGGAGCGAAACATCTGCTGTATAGTGTACCTAGCGGATGTACGTGGGGTCTTTGCGGCCCGACTATGACCCATGCAATTTGGATGTACTTTTCTA	4
wt-55710-55830	1889	TGACGGGATGGTGAAGGCCGCGTGTCCGCCAGCGTGGCTGGCTTGGGTTGCTGGTGTGGCGGTTGTCGACAGGAGGAGCGGGAGAGATGGGGCGCTGGGGCCGAGGCCA	8
wt-55830-55950	1890	CACCGGCCAGGCCAAACATTGCCGTGTCGTCAGGATGGTGGCAGGCGCTTTCGTTTTCTGTTTTTCCGACTCTTCTGTTTTTCCGAAAGG	4
wt-55950-56070	1891	GGCAATGCTGGGTGCTCTCTCAACTCGCTCCAGGGCCAGGGGATACCGCTCATACTAAGGGCGGTGCCAGGTAGAGGAGCTCGCATAGTCCATTCAATGGACGTGTACC	4
wt-56070-56190	1892	GGATGTTTAGGAGAGGCGAGGGAGCGATGATCTGGCATGTGTGCCGAGGTGTGTGAGGAGTGTGCAAAATCCATCACTGTTGGGAGGCTTGGTCTCAAGTAGGAGAGATAATCGG	4
wt-56190-56310	1893	AGGCCGCCAGGCCACCTTGTCCCTGATGTCCGCCGTACACCTGCCACGTGCAGGGCCGATCTTGGACCGGACCGCCACGTTGTGGACAAAGGGGGGCACTGAGGCCGGGGAGGGG	8
wt-56310-56430	1894	CCCCATACTATCGTGTCAACAGCGCCAAAAGCGGACGTCTCTCATCTACCCAGCCTGTTGTCTGGCCAGCGCGTTCGGCGGCCCTCCGCCAGGGATAGGAGGCGCTTCCAGC	4
wt-56430-56550	1895	TTTCGTCTCAGGACCAAGGGGACGTCACCTGCCGGCCCTGTAGATGGAATATCCTCGGTTCTCTCTCTTCCCCGCTCTGATCTCCGCCGAGAGCAGGTGCGTCAAACTCTGGAAGG	4
wt-56550-56670	1896	GTCTGCGGGCCGCTCCAGGTCAAATTTCCATCGTCTGCTCGGCCAGCTGGGAAATTCAGCCAGCATCTTAGCACCGGCATCTACAGGACCGCGTCTTCTGTTGCCAGGACGGCA	4
wt-56670-56790	1897	GGCAGGCTCCAGCTTGGCGCCAGGTGCTTATGGAACCTCCCGCTCTCCCTTGTGTTTCTGATAGCATGTTGCGAGGTTTGGATGTTAAGTTCCGAAGTGAGCAGTTGCTCCAGGT	4
wt-56790-56910	1898	CCAGCGTGGGGACCTGCAGATGTCGCCAGCAGTCCCTTAAAGAAATCCAGCAGATTAGCACAGACGATCGTCCCTACTCTTATTAGCCCTGCTCGAGGACCACTGTCAAGAAGAT	4
wt-56910-57030	1899	AGTCTATCATGCTCAAGGCATCTCGCTTGGCACTTCCCGTTAGAGGCCGGTGTAGACGATGGCCTGTTCTGGTAGGATGTCCGGCTATTCTCGCAATGTTGCTCTCGAGGGGA	4
wt-57030-57150	1900	CAAAGCTCATCTCAGGAGTCTATGTGCAAGAGTGTCTAGATATTTGGCTCTGGCGGTGTCAGGTGTGATGGGGGACGTGGGGCACTGGATCCCGATCCAGGCTTGGAGAA	4
wt-57150-57270	1901	CTTCATCTCGAACATGTCTTATCTCTGTGGTGGGGATATCGGAGGCTAAGTCTGCTCTCCGCTTCTCAGAGTGGACATGGATAGGAAAGGCTCCTTAGGTGAGACAGGTAGCGGA	4
wt-57270-57390	1902	CGAGGCCAGAACCCAGATGCATCATCCCAAAGGAGGGCTGCTGCCGAAGGAGGTGATGGGATATCTCCGTTCCAGCCCTGTGAGCGCCGGGGATGGTTTTTCTGTTCTGA	4
wt-57390-57510	1903	GTGTCGTGGCTGATGGTGGGAGCTGCTGAGCAGGAGGAGGAGCCGGGGTAGCTGATGGCAGGGGCTGCTGCTGAGGAGGAAGAGGAGAGCCGGCGGCTGATGGCGGGGCTGCT	8
wt-57510-57630	1904	GCTGAGGAAGAAGTGGAGAAGGAGCCGGGGCGGCTGATGGCGTGGGCTGCTGCTGAGGAAGAAGTGGAGAAGGAGCCGGGGCGGCTGATTGCGGGGGCTGCTGCTGAGTTGGAGGAGG	8
wt-57630-57750	1905	AAAGAGTCGTGGTGGTGGGGCTGCTGCTGCAGTGGGGAAAGGGATGGGGTGTGAGAGGATTTTGGGTTGAGGGAGCTGCCTGTGCCAGAGGATGGGTATTGCAAAAGGAGG	4
wt-57750-57870	1906	GAGGAGATGAGTGAAGGAGGCTGCTATCAGCACCGGGCGTCCCGCCGCTCCCATCACTGGACACAAGCTCGGGCCCAACAGGTCAAAGCCGCTGCCGTTGGCTCATAAAAGT	4
wt-57870-57990	1907	GGGGCGATGGGGCGAACGTGGGTGCGTGGCAGCTGATCATCTCTGTGTGAGTGGTGGAGGACAGAGGGAGGGCGCGCCGAGGTGGGCTTCTTGGGGGCTATCTTTGCCAATC	8
wt-57990-58110	1908	CTTTTTCTCTTGGAGTCTGAGGCGCTGCCCGCTCGACGCCCTTGGTGGCGTGGAGGGAGCGGGACCCCGGGGTGTGACCTAGGCCGGGGATGGGGATGAAGAGGGAGGGCTGG	8
wt-58110-58230	1909	AGGCCGGGGCCGAGGCGGGGGCCGCGGAGGCCGGGGCCGCGGAGGCCGGGGCCGCGGAGGCCGGGGCCGAGAGGCCGGGGCCGAGAGGCCGGGGCCGAGAGGCCGGGGCCGAG	16
wt-58230-58350	1910	AGCCCGAGACGACGCGGGGAGTTGGTCTTTGCAAGACTATACCTGGCGCAGGGAATGAGTCCGATGTGAAAGTGCAGAGGGCAGTGGCTGAGGTTATACGGTATTATTCGCGTT	4
wt-58350-58470	1911	CAAACGGTAGCATGACGGGAGGCTGCTATCAGCACCGGGCGTCCCGCCGCTCCCATCACTGGACACAAGCTCGGGCCCAACAGGTCAAAGCCGCTGCCGTTGGCTCATAAAAGT	4
wt-58470-58590	1912	CATACAGCCATAGTGTCCAGCATAAAGATGCGGGGGTCTCTGTCTCAAAGGCCCGGGTAGAAAATAGAGATGCACGCAAGTGTACTGGGCCCTGGTGCCTCCAGTACTGCAGGA	4
wt-58590-58710	1913	TGTCGTGCGCATAGGTGCTGACTCTGACATGGCGGGGGTCCCGGGGCCGATCCTTCTGGCAGTGGGGTCAAACAAGTAGAAGGAGCCATCTGTCTCGATGATGATGGCCCCCGCT	4
wt-58710-58830	1914	AGATGTCGCAGATGTAGAGGATGAACTGGGCCACCCGTTGTAACCTGCCGTGCAGGACCTCGGCCAGGACTGAACAACCTGCCAGTTTGCATCTGGGACGGGAATAGGACAGGGCAA	4
wt-58830-58950	1915	AGATCTCCCGAGCGGTATATGTGCACGCGCCACCGCCCTCAGGACCAGGAGCTGGGCACGTCCTCAACTGGGCCATCTGTCGCCCTTGGAGTGGCGCTCTGGCGCATGAGGG	8
wt-58950-59070	1916	CATCCAGCCGCGCCCTCGTCCAGGACCTCGTCCAGCTCAGGGCGGGAGGTGAGGGGGCGGCCGCGCCAGGAAGCTCTTGACCAGTAGAGGACGCAAGTGTGACGCACTGATGCCGG	8
wt-59070-59190	1917	CAAAGCGGCAAACTGCAAGTGGGCTGGTTGCACGAGGCCGTGCCAGGATGCGGAGGGCCGAGCCTCCACTCCCGCCCGGGGGCATTACATCCATGGTCTGATCCGCGCACGG	8
wt-59190-59310	1918	GGCCGTTCCCGGGTGGCTGGCTTTGCCCCAGTCGCGTACTCATCTCGGGGTGGGGGGGAGGACGCTTGTGCCCCCTTCTGGTCCGGGTCTTACCGGCTGGCGCG	8
wt-59310-59430	1919	GCAGCCGCCAGAGATAAGGGGGTACGTGTGTGCTCCGCTCTCTCTGTCTGGCCGCGCCGCGCTTCCCGCCCTGAAGGAGAGGGGGTACTCCGCGGACTGCGTCTCGGGGG	8
wt-59430-59550	1920	CAGGAGTCTCAACCTTCTGGCTGGGGCGCGGTTGCATATCCGATGGCCTTCCCTGTCTTCTCTGATGCTCTCTCTCTCTCCCGGCACGCCCCCTGAGATCTGCCTCCCT	4
wt-59550-59670	1921	CCCTCTCCCTGCTGCTCGGAAAGTCTGAGGAGGAGAAGGAAATGGGGAGGAGTCCAAAACGCGCACGCCACCTGCCGTGGGGCGGTGGTACAGGTTCCCGCTGGCCGGCGCTTG	8
wt-59670-59790	1922	CTCGCTTCTGCGTTACCCAGGAGAATGGCCGAGTTTTTTGGCGGGGAGGATGCGGAATGGCGGGCGTTTGTCCACGGGTGAGGGGGAATCGTGGTTAGGGCCGCGCAGGG	8
wt-59790-59910	1923	TGGTGGTCTGACCCGGGCGTGCAGCAAAAGCGGCGAGAACCGAGGGGCTCTGGGGTACTGTGATCTGTTCCGGAATTAGGTCATGGCGGTGTGATGTTTAAAGGGGTG	4
wt-59910-60030	1924	GTCTTGGCGCGCAGGATGATGGTGCAGGACCTCCACAGGGCCTTGCAGATGCTTGCCTAGATACAGGATGTCGTCCATGCTGAGGGGAGGTGGGGTGTCTGCTCCCGCTGCGGA	4
wt-60030-60150	1925	AGCCGCTGGGTGCGGGATGAAGACAGGTGGTGGCGGGCTCTCGCCGACTATGGCTCGGCACGCTCGCGCTGATGGCGGGTGGTGGAAACAGGCGGGGCAATGTGTAATCCCG	8
wt-60150-60270	1926	AACCGTAGGCGACGCTGCGCTGAGGGCGCCCTGACGCTGTATCCAGCTCCAGGCGCTCCACCCGCTGTTGAGCTCTCGAGATCCGACGACGAGGGCTCGTGGTGGCC	8
wt-60270-60390	1927	CAGAGGGGTGATCCGCTGATCCCGGCTCTCCCTGAGGGCGGACCAAGGAGGCCCTTCTGAGGGTGGCCGTGTCGGCGGTGCCAGGGCCACCTGGCGCGCGCTCCGCGCACACA	12
wt-60390-60510	1928	TCCTGGATGCCCTCCACGACGCTTTAGCTGTGGAGTCCGTGGAGTAGTGGCGGGGGAGGATGAAACGCTTTTTCTTACCCTACCACCGCTCTCTCTCTCTTCCGTCGCC	4
wt-60510-60630	1929	AGAGGATGTCACCTCCCGTCTCTGCTGTACAGGAGCGGGCGGGAGCACAGCTCCAAGTGCCTCCGAGAGGGTCTACCCGAGACCAGAAAG	8



wt-60630-60750	1930	CGGCGGGTGGCCAGGCCAACGACTCCGCCGTCGTGCTGTATCTCAGGGTGAAGAGGAGTAAAAGAGGGAGGTGGGCCAGGCAAGCGTGGTCTCCGCCGCCGCTCTGAAGCTGAG	8
wt-60750-60870	1931	ATAGTCTCGGAGATGATGCCTGAGACCTCTCGGACGGCCTCATGATCCTAAGGACTGCGTCTGGGACGACAGCCCCAGGGGCCCGCCCTTCTGCTTCTGCACCCCTCGGCTCCT	4
wt-60870-60990	1932	GCGTCCCCGGCCTTGCCCTCCCCCTCTAAGTTGAGGGGGCGCAGTCCGACCCCTGGGGGACTCCCAAGCATCGGAGGGGCCCGTCATAGATCTCCAGACGGTGGCGTATATGAGC	8
wt-60990-61110	1933	TCGAGAGGACGCGGGGCCCGGGTCACTCGGGGGAAGGAGGGCCAGGTCGCTGCCAAGGAGACACGCCAGCGAGGGCGGCCAGAGAGCGGGTTTTGGGCAGCTCGTTGGAGAGGACC	8
wt-61110-61230	1934	CGGCGAAGGGCGGGCCAGATTTGAACTCGATGAAGCGGGCCGGGAAGAAGGGGCTGTGGACATAGGCCGGATCCCGCGCCGCCGTTTGGCCGGCCCTCAGGGACCGGCAGTATGCTCCG	8
wt-61230-61350	1935	ACGTCTGTCGGCGGGCCGCCACCGCTGCCCTCACTCTTCCCTGCTCGCCGGAGTAGGGGGGCTTACAGGGGAGGGCCGAGCCGGGGCCGGGGCTGCCACAGCGGG	12
wt-61350-61470	1936	CTGTAGCGGACCCATAGCAGAGACTGAGGAGTTCCGATGAAAGCTTCCCGCCACTGCTCATACTGCGCCCGGAGGGGGGACGATGAAGTTCGCGCAGAGGGGTTGCCGCCCAA	4
wt-61470-61590	1937	GGGTCGCGCCGCCGCCACACCCACAGCCGTCGCGGGCGGGGGCGGGCGGTAGAGGGGCCGCTGGTGCGCCGGGCTCGTCTGCCAGCCCTCGGCCCTCGGCCCGCAGTAGGCC	12
wt-61590-61710	1938	GCCCCGGCCACACGGGGCAAGCGGCTCGTGGGGCTCGCGGTGGGACGAGTCCGAAAAGTGCAGGGCAAAGCCGATAGACTCTCTAGGAGGGCGGGGTTGGCCTCGAGCCACCTCCAC	8
wt-61710-61830	1939	CGCGAGCGGGACACCCGGGGCACAGAGCCAGCATCATGGCTAGTCCCGCCACCGGTCGTTGAGCCCGGCCGAGAGCAGAACCCTGGCCACCTGCTCGATGGCGGCTGGAGAGAAG	8
wt-61830-61950	1940	GATGCCCGGCTCCCGCCGCTCTGCACACGAGCGGCCAGGCCCTCATCTGCGCCATCCCGCCAGGAAGCCCTCGATGACCGAGTCTGGACGCCGTAAGTCTGGTCCCAGAGC	8
wt-61950-62070	1941	AGGGCTCGGTACACATAGTCTGAAAAGAGGGCCCTGAGGGCTCCAAAAGCCGAGCCGGCGGCTCAAAGGCCAGGACGGGCACAGCCGACGGGGGGGCTTTGCCCGCTGCC	8
wt-62070-62190	1942	TCCGCGTACACGCCAGGATCTCTACCGCCCGCCGGGCCAGGGGACGAGGCCACCACGCTGAAAAGTACTCGGGGGGTTGAAAGAGACCACCACCGCTTCTTCCACCTCTCCC	8
wt-62190-62310	1943	CGCCGGCCCCCGCCCACTGTGCTCCACGAGTCCAGGCCATGGCCTTGATGTCGCGGGCGTGGGCTGACCTGCGCTGCAGCCGCCAGGGGTAGCGGTTGGTCTCCGGTATACG	8
wt-62310-62430	1944	GTGACACGCCATCTCCCAAGCCTGTTTTCCGCCGTTAAAAGCGTAGAATGACAGCCCTCCCGCGGGAAGCGTCCACCGGGCCAGATAAGTGTCCGCCACCGCTTCTCCACGAAG	4
wt-62430-62550	1945	GCAAAGGTGGCCGTTGGGCGAGAGCCGCGAGCACCTCCCGCTGCCCTTTCGATGATGCGCCGTTACGCGGCCAGGGCCCGGGTCTCTGCGATGAGCCGAGAGCCGTCAGCGGA	8
wt-62550-62670	1946	TCGTCCGTTGGCCGAGAGGCTGCTGTTGGGGGCGAGTGAAGATGCCAGCAGTCCAGGCGCCCTCCAGATGGCCGAGGCCGAAGCTGCGCCTGGA AAAAGAGGGCCCGCCGGAGTAG	8
wt-62670-62790	1947	TAGGCGTGGTGGCGGAGGACCGCCCGGGTAAGCGTGGCCGCTCATGAGGTTGAGAGTATTAAAAATCGCGCACCAGCACCAGGCTGGGCCAAATCCCCAGTCCAAAAGATCCCCAGC	4
wt-62790-62910	1948	TCCAGAGGCATCAGCGCGCGCAGGGGGCAGCGGGTCTCCAGACAGCAGCAACTGACGGTCAAGCGGGCAGCCCGCTCCACCTTGCAGGGGTGGCTGGGCTGTCGCCCT	8
wt-62910-63030	1949	CCGCTACCGCCCTGCTGTCACTCTCCATAGCGGACGCCATGAAGTCCAGGGGTCGTCGATGCGCCGCTGTGCAACGCCGAATCGCGGGGCTGCTGCCCCCTCCGCCCGGGCTCTA	8
wt-63030-63150	1950	AATATTTCCCGGGGTCGAATTCACGCGGGACGTTCTGGGCTGGTTGAGGAACACGCGCAGGCCCTCTCGTGTAGTGCGGCGCCGCTTGGCGCGCAGGGCTGCTGGCCCGGGGGG	8
wt-63150-63270	1951	GTGGCGCTGCCGGGGTGGCAGTGGAGGGGGGAGTTACGCTGGTCTGGGTTGGCGGGCCAGTCTTTGGGGGTTTGGGGGTTGATACAGCCAGCTCTTCAACACGCCCGCCAGTGA	8
wt-63270-63390	1952	ACGCCCTTTTCAATTAAGCAGAGTACCCGTTCTCGGGCTCGACGCGGATTACTCTCTCTCCCTGTTTATCTAATGAATACGCGCGGGGTGATCGCCCGGGTGGAGGCA	4
wt-63390-63510	1953	GGTGGGGCCTGACCGGATGGCCAACTGCTGTACGACAGCCCGCAACCTGGCTGACCTGGTCCCGGACTTTGGCGGCTGGTGGCCAGCCCGCTTCCAACTTCATACCCCT	8
wt-63510-63630	1954	GTGGGCCCTGGTGAGAAATAAAGAGCACCTATCTGAATAAAATCACACGGTGGTCCAGCGGCTGTGGTAGCAGAACGCCATCCCTCGCAGCAGCTCAAGGTGACGGTGGCCAG	4
wt-63630-63750	1955	GAGGCTTTGTGGATCTGGACGCGTGGCTCTCCGGCGGCCCGGGGGTGGCGGTGGAGTATGCTTCTCGTGGGGGGTGGGCTGCAGCCGTGCCCGCCGATGCGCGCTCTATGTCCGCT	8
wt-63750-63870	1956	CTGACTATGAGGAAGCCGGCCCGGTTTACGTTTTCCAGTCTCGCCGGCCACTCATGAGTATGAATATCTTAAGAAATTTACTACCATCCATCATGACCCGCTATGCTGTG	4
wt-63870-63990	1957	GTCCAGCCCTACATATAGAGAGCTAACCTTCGGGGCGGTTGCTGTCTGGGGACATTTAGTGTCTACTGACGGTGGAGGAGGTTGAGGAGGTTGAGGAGGTTGAGGAGGTTGATTACT	4
wt-63990-64110	1958	GTGGAGATTGACAGCTTTTATCCAAGCTCTGACTGGGAGGTGATTCTCTAGACTTAACGGGAGGAAACAGGAGGAGGAGGGGACAGAGCACA AAAAGTGGTTGAGTGGACCCAC	4
wt-64110-64230	1959	CACACAGCATGGCAACGACCATGTCGAGCATGAGCTCCTCTCCAAATGATTGATGAGTTAAAGGTCAAGGCCAACTCAGACCCCGAGGCTGATGCTCGCCGGCCGCTGCTCC	4
wt-64230-64350	1960	ACCGCTTAAGGCCGAGTCAAGTACACACAGTAGCCGAATATCTGGAGGTTCTTCTGACAAATTTACGATGAGGAATTTCCAGATGACCCGGGATGAGTGGAGACCCGAGTCT	4
wt-64350-64470	1961	CTGCTTTCGCGCAGAGCCCGCCTACGAGCCATGCTCCAGCGCTACTGTCGGCCCTGCTACTATGACACCTATGATGTTGGGGCGCAGCGGGAAGCAGGAGAGTGTGCAGC	4
wt-64470-64590	1962	ACTTTTACATGCGGTTAGCCGGTCTGTGCCTCAACCACTGCCTCACGCGGTTGCTGTCAGGGGACATTTAGTGTCTACTGACGGTGGAGGAGGTTGAGAGTGAATGAGGTTGATTACT	4
wt-64590-64710	1963	ACTTTGAGCACCTAACCTCCAGACGGTGTGCTGCTCCACGCCCTTTATGCGCTTTGCCGGGGTGGAAAATCCACTCTGGCCAGCTGCATCTCCACCACCCCGACCTCAGCTCCGAGT	4
wt-64830-64950	1965	TGATCAACAGCCAGTGGAGTACCACAATATGGCTGCAAGAGGGCGGTCAGTGTGGCGGCTACATGGAGCCCTGGCAGCAGCAGATTTCAAGTTTTGGAAACGAAGTGCAGGAGA	4
wt-64950-65070	1966	ACCACGAGAGTGCCTCGGCATCTTACGGGGCTTTGTCCCGGAGCTTCTTCAAGCTTTTAGGGACACGCCCTGTGCGGACTGGTACCTGTTTACCCCAAGGACCCGGGGAC	4
wt-65070-65190	1967	TGGAGAGGCTACGGGGAGGAGTTGAGCGCGAGTACTATCGGCTGGTACAGCGGGCAAGTTTTGGGGGGTCTCCATCAAGTCCCTGATGTTCTATCTGTAAGTGCAGGCTG	4
wt-65190-65310	1968	AGGCCGCGAGCCCTTTCATCCTTTTGAAGGAGGCGCTGCAACGCCCACTTTTGGCGCGACTGCAGGGCGAGGCCATGAACGCCGCCAACCTGTGCGCCGAGGTGCTGCAGCCCTGAGGA	8
wt-65310-65430	1969	AGTCTGTGGCCACCTGCAATCTGGCCAACATCTGCCTCCCGCGCTGCCTGGTGAATGCGCCTCTGGCGGTGCGGGCACAGCGGGCCGACACCGAGGGGATGAACCTCTGCTGGCCCTCC	8
wt-65430-65550	1970	CTCGACTCTAGTACCCCTACTGGAGAGGGGGCAGTGGTGTGATGATCTCGCTAGCCCGCTCAGAGATGCCACCCAGTGTGCCACCTTTGGTGGGCTGCTCCATTCTCAGGGAT	4
wt-65550-65670	1971	CCCCACTTATGATCCAGGATATGCGCTCCATGGGCTCGGGTGCAGGGCTGGCCGATGCTTTGCGGACCTGGGCTGGCAGTACTGACCTCCCTCTCGCTCGTTAAACAAGG	4
wt-65670-65790	1972	AAATATCGAACAATGACTTTACGGCCCTGCACCAAGTGTGATGGACTTACACAGGAAGATTTTCCGGGTTTCAACAGAGCAAGTATGCCGGGGGTTGGTTTCACTGGC	4
wt-65790-65910	1973	ACGATTGGCAGGAACAGACCTTTCTTATCCAGGAAATTTGGTCTCGCCTCTGAAACGCATTTGAGGAGTGGGCTTTTCAATTCACAGTTTATCGCCCTGATGCCACCTCAGGCT	4
wt-65910-66030	1974	GTGCCAGGTGACGGGCTGTTCCGACGCTTCTACCCCTTCTATGCCAATGCGTCCACCAAGGTACCAACAAGGAGGAGGCCCTTAGGCCAAACCGGCTTTTTGGCGTATGTGCGTC	4
wt-66030-66150	1975	TGGATGACAGGAAGCTTTGAATCTGTGGGGGCGGCTGCTCCTGCCTCCCGAGGCTCTGCGGCAGCGCTACTGCGTTTTCAACAGCCCTTTGATTACAACCAGGAGGACTGATTC	4
wt-66150-66270	1976	AGATGTCGGGACAGAGGCCCTTTGTGGACCAGAGCCAACTCACAGCCTGTTTTGCGTGAGGAAGATGCCGCGGGGCCAGCAGCTAGCCAACCTACTGGTGCAGACTACGAGC	4
wt-66270-66390	1977	TGGGCTGAAGACTATCATGTAATGTCGCTTGGAGGAGGAGGCGGCTGCGGGTGGTGGAGTGAAGGCCAGCGGGCTGTGCTGGTCCCGGGGAGGAACAGAAATGAGCGGAGTCT	8
wt-66390-66510	1978	CCGCTGACGAGATGCCCGCTCGTCCATGGAACCGCGCAGTTGCGGGCGGTTGACATGATGAGCAAGGGCCAGGGAGGACCAGTGGTGGTGTGCGCCGGGGATGGAAG	4
wt-66510-66630	1979	TGTGCTATAAGTACCGTACGCTTCTCAGAGGATGATCTGTTGAGACTGACGTTTTACTGAACGACCTGTGAATCTTCCAAATAAACGTTTTATTGCCATGTCCAAGTTGTTGACG	4
wt-66630-66750	1980	TGCGTATCATGAGGGCTTTGCCTGCCTAACGGTCAAACCCACCGCAACCGCTGGTTCCGGCTCACATTGCTCCTACCAAGGACTGCGGGTGTCTCAAGTACTCAATGAGAGGACT	4
wt-66750-66870	1981	TGGAGTTTTACAAGTCTCTTTACGTTCTGGCCATGCGCGAGAAGCTTGTGAACTTTAACTTATGATGAACGGTACCAGCTTCGAGAGCCAGCAGTATGACTACTACCCGAGC	4

wt-66870-66990	1982	AGAAGGCCATGGAGAAGCTCCAGGGGAGACTTATGCTAACATTTAAACATGCTCTTTGATGGGGACAGGGCGGCATGAACGCCATACGCAGAGGCCATCATGGCCAGGAGCCCTGC	4
wt-66990-67110	1983	AAGCCAAGATTTCCTGGCTCCGTGACAAAGGTGGCGGCCCGCTACCCCTGCCGGAGAAAGATTCTGTGTCTGGTCTGATTGAAGGCATCTTTCTTATAGCTCCTTCTACAGCATAGCCC	4
wt-67110-67230	1984	TGCTGCGGGTCCGGGGCTAATGCCTGGCATCTGCCTGGCCAAACTACATAAGTAGGGATGAGCTGCCACACCCCGCTGCCTCCCTGTTATAACAATAGCATGACAGCCAAAGGCTG	4
wt-67230-67350	1985	ACCGACCAAGGGCCACCTGGATCCAGGAGCTGTTTTCGCACTCGGTTGGAGGTAGAGACTGCCCTCATCGAGGCTCGTGGAGAGGGGGTACCTTGGTGGATGTGGAGCCATAAAGCAGT	4
wt-67350-67470	1986	TTCTGGAGGCCACGGCCGATCGCATCTGGGTGACATTTGGTACGCTCCCTTTGATGGCACACCCACCCCAAGGACTGCCCGCTCACTACATGACTAGCATCAAGCAAACTAATTTCT	4
wt-67470-67590	1987	TTGAGCAAGAGATTCCGATTACACCATGCTGGTGGTAGACTACCTTTGAGTCAGGGTGGCTACTTGTCCAGTCTTCTGGGCATAAATCTCCTGCCTGCCTGTGCTGTGAGTTGGC	4
wt-67590-67710	1988	TTCTGTGCTGCTTGTGATCATGGAAACCACTAGACTCCTCCGCTTAAAGTAGCAAGGCCCTAGCCCTCTGTGCTCAAGACTATGACCATGGCCAGCTCATCTCAAGGGAGGATGCTGC	4
wt-67710-67830	1989	AGGTAACCTTCTGTCTGTAACATGAGAGGCCCCGCTGGCCGCTGGCCACGCAGGCACGGCCGGCTAATCAGCTTCGAGGCTCCTCCCTGACGCTGTGGCCAGTGGCAGAATC	4
wt-67830-67950	1990	ACCAGAGCCAGAGGAGGCCCCCGCCCGCTGTCATTAGAAACCTTGCCCTAGCCGCGACCTGTGCTGGGAAGGAGCTGTTGGCTCGGCTGTGGAGCAGGCTCCCTGCAAATTTT	4
wt-67950-68070	1991	ACAAGCGGCCACAAGGGGTTCCCGGCTGAATTTGTTAAGCTCACTATGGAATATGATGATAAGGTGTCCAAGAGCCACACCTGCACCCTGATGCCCTATATGCCCCGGCCAGCG	4
wt-68070-68190	1992	ACAGGCTGAGGAACAGCAGATGATGGCAGTGTGTTGATGCCAACAGCGCTTCCTGTTGACAAGTGGCACGCCAGCAAGCTCAGGCGCGTAAAGTGACACTCAATCCGG	4
wt-68190-68310	1993	ATCTCTACGTCAACCACTATACTTTAGGGAGGCCCTGCCCTACCTAGACTACAAGCCCTGAGTGTGGGCCATACGAGGCCCTCACTGGCCCTGTGGCCAAGGCTCAGGACTGGGGG	4
wt-68310-68430	1994	CCGTTGAGGCCACGTGTCTGCTCGGTAGCAGCGGACTCGCTGGCGCGGCGCTTAGCCTCTGCCGCTTCCGGCCGTTAGCGTGCCAATCTTGAGGTTTTACAGGCTGGCATCATAG	4
wt-68430-68550	1995	CTGTTGGTGGCCGCTGCTGACGTACGCGGGGACCTGCCGTTGGATCTTAGTGTATTATTAAACACGCTCCTGAAGAGGGCGGCCAGTACGGCTCTGAGCCAGAAGATAAAA	4
wt-68550-68670	1996	GTCCCGGGTGAACCACTGGGCACAGGACTCCAACAACGCCCCAGACATACGGTCACTGTCCTTACCTCCGCCACTCCTAGGACCCCTACTTGGAGAGTCCGGCAAGGCCAG	4
wt-68670-68790	1997	AGACACCTCGCCTGCCATTCCAGCCACTCCAGCAACCCGACTGGAGAGGGCTCTGGCTGTTCACTCGGAGGAAAAGGACATCGTGGAGGCCAGGCAAGCAGAAGCAGCCCA	4
wt-68790-68910	1998	AGAAAGTGAAGCAGGCCCTTAAACCCCTATTAAACCATGTTCTCGTGAAGCAGCACTGCTCCTGGGGCCCTGTTCTTCTGTCTCGGCCCTCCGCCAGCACCCTTCAATTTGG	4
wt-68910-69030	1999	TGCTTTGTCTTTGCCAACCTGCTCTCTCTGGAGATTTCTCACCCTGGCAGACACAGTGTACAGGCTTGGATTCGCCAGGCATGCCTAATGGCCGCTCTGGACGCTGGTACCAGCC	4
wt-69030-69150	2000	AAGCAGCGGTGAGGGCGCTCACTCCAGCCATCATGCTGAATATGCCAGCGCTTGATCTTCTCTCCTCAGAGTCTACTCGACCAGCAGTGGGTTCTGCCCCCTGTCTTTCTG	4
wt-69150-69270	2001	GCCAACTGCCTCTTATGCCTGTGGCCCGGCTGGCCATCGAATGTTTACATCTGCCCGCTATACACAAAGGTTCTTTGAACCTGGGTTGCTCTGGCCTGCACCATCTTTGCC	4
wt-69270-69390	2002	CTGTCCGTGGTCTCCAGGGCCCTGGAGGTTGCGGCTGCTTCATGCTCCGATTTTTCATCTTTCTGGCTTGGGCTTGGAAAGCCTGGCCGGTGTCTGGCGTAACCAGATTTACACCTG	4
wt-69390-69510	2003	GGTCTCGAGCGGAGCAGCATTTTCTGCGCCGGGGAGATCATTCCTGGCAGGCCCTCATAAATGGCCGTGGGATCTGCTGGCCATCTGCCCTTCTGAGCTTCTT	4
wt-69510-69630	2004	GTCGTCTGTGATGATTTGTGTTGCATGTCACGCAGAGGTGTTCTTTGAGCTCTAGATACTGCCCTTTCTCTGTGGGGCGATGGCCTCCGGGGGCTGTACTGGGCCATTCC	4
wt-69630-69750	2005	AGCATCATTGCATGTGCATGGCCACCTCTGCACCCTGACATCTGTTGTGTATATTTCTCCATGAACCTTTGGACCCCTGGGCAAGCCGTGCTGTTATCTCAATCTTTGCTAT	4
wt-69750-69870	2006	TACTTTAGCGGGTAGCGCCCTGAGCGCAGTATGCGCTACAAGCTTAAAGAGTTTGTGAACGGACCCTGGTCCATCTCGGTTGTGATACATGTCTGTTTGTCTTACTTTTGT	4
wt-69870-69990	2007	GAATATCTGTTGGTGACATTCAAATCCTAACGACCCGAGTCTGCTCTTTGTGTTCTGGGGGACTGAGTTAGCTGCTTTCTTATACATTGGGCTAACGGGAGGAAATGA	4
wt-69990-70110	2008	ACCCAGGGTGGCAGTGGATGGGTCATTTATGGGCAAACTCACAGGACATGTTTGGGGATTAGCATTTGGCCTGGGAAACACAGCTTGGCAGTTAATACCCGACCAGCTAACAGGA	4
wt-70110-70230	2009	CATGTTTGGGGAGTTGGCATTGGCGTACGAGACACGGCTCTGTACAGTTACACCCTAGATGCCATGTGTGCCAGTGCCCTAATCACCGTCCCTATTTTGTGTGCCCTCAA	4
wt-70230-70350	2010	ATGTTCCAGAAGTCGGCCACAGGGAGGTGGCTGAATTAGGGCTTTTCCCTATTCCCCTAGAGACCCAGTGGCAGGCCCTAGGGCTACATTCCCTCCCAGTTTCCCTTCGCGTG	4
wt-70350-70470	2011	AGGCATCCGATATGACTGAATTTTCGAGTCTCTTTCCCTCTCCCTTGTTATTCATAGAAATTACAGTGAAGTTACACAGGTGGAGATTCAGTTTAACCATTATTGATTAAATCCA	4
wt-70470-70590	2012	GGAACAAAAACAGTCTAGTGACCCAGTGCCCGGAGAGAGAATGGCCCTGACAAGTCCGGTGCATGATGACTTCGGCAGTCACGTGTGAGTCTCCAGGCCCTGTCAAAGGGAG	4
wt-70590-70710	2013	CTTAGCGTGCACGGTGTAAATCTTGTGTGAGTGGCCAGGAATTCAACTTCATCGTCTCCTGTCCAGTTGCCGTTAATGTAGGCTGGGCTACTGCCCATATGCTGCAAGAGA	4
wt-70710-70830	2014	CAGAGGGGCTGCTTACATATGAGCTGCTCAGGCTCCACCACCTTGTTTGACGGCCGTGGCACAGGTGTGTAAGAAGTTGCTTCAAAAGTTGAGTCTCGCTGTTAGGAAG	4
wt-70830-70950	2015	AAGCAGGGTGCACGCTTTTGAGCTTGGTCAGGATCACCTTGCTAAGACTCATGGCCAGGCCAGGAGGATGCTTCCCGGGAGGCTAGGGCCAGTGCCCGTGGTAGGTATCTCCTGG	4
wt-70950-71070	2016	AGCCAAAAGATGGTCTCTTCTAGCATGGCCACCAGGGTGCAGAGCCCCGCTTGTGGATCGCTGCATGCCGTGCATCCAGCCATGTGTCTTGTGGTTGACTTGGTAAAAACTCAGCT	4
wt-71070-71190	2017	AGTGTCTTTGAGTCTTCCGAGCTCGTGTCTGGGTTGCACTTTCTGCCAGGCTCCAATCTCGGATGGCGGGCACCACCAGCATCGACTGAGGAACGGGTCTTGGATGGGCTCAGG	4
wt-71190-71310	2018	GTCAGAGAGGCGAGGGGCTGGCAAGGTGACAAATGTAATCTTGGAGACAGGCTTAAACAGACTCATGTCAAACCAGGTTTGTTCGGCAGGGGCCTTGGCTGCTTCTTCCCTCGCC	4
wt-71430-71550	2020	CTGGGCGCTTGTGCTCCCGGGGGCAGGTGTCGGCCTTCCATAAATTTTCATCGGTGCAGCCATGACCTCTCCGGTCCGCTTTTGTGGCCTCGGTGTAAGAGGAGTTGCCAGTCTCC	4
wt-71550-71670	2021	TCCTTCTCGTCTCTCCTGCACAGGGGTGAGCGATGCAATGTACTGCTTGTCTGTAGTCCCACCTTCTTCTGGAAATCACAAACGATGCCAGGTAGGGGTTATGACCAGCTG	4
wt-71670-71790	2022	GAGGGCGTGCAGGTATGGCGTGGCCGAGTTGGATCTTCATCTCCTCTCTGAGGATGAAATCTTCCATCTGTGGAGTGTCTTCTGCTGCCCTCCATAGGTCAGATCGCAGTCT	4
wt-71790-71910	2023	GTGTTGGTGTCTGAGACCGCTTCGAGTTCCAGAATGTGGCTCTGCAAGGGGAGACAAAAGTTGGAGACTGCCTTGAGCACCCTGCTCTAGGCACCAGGATGCCCCGGCTCCAGGGC	4
wt-71910-72030	2024	CCCGGCACTGGCCGGTGTAGCTTCTTACCTCGGGATCCTCGTTGGAGGAAATGCTGTAGTTCCGGAGAGTCTCTGAGAAGAAACCATCTTGTCTGTCTACGACGGGCTAGTGGG	4
wt-72030-72150	2025	ATGTAGTGTCTTGTACTGGCCTCAGCCCTATTATGATTCTGGAGCCGGCACGCTGATGGAGAAATGGCGGTGCGTTGATTGGCCCAAGCAGCCAGCCGGAAGCACTGACTCATGA	4
wt-72150-72270	2026	AGGTGACCTGATGGCCTGTGATGTGATGAGTAGACCCAGAAACCCCTCACTTCTGGAGCTGGCCCTGTTGGTATGCCTCAGGCACGCAAAAGTTCTGCCCCGGGATGGCACACCT	4
wt-72270-72390	2027	GAACCAAGTTTGGCCCGTTCCTCAAACGTCACATGGAGAACTGGGGAAATTTGCTTCTGGCACAGCTGTTGCCAGGTGCTCATGAGCCAGGGCCAGATGCAGGAGCTGACCAGG	4
wt-72390-72510	2028	CGACGAGATCCAGGCCAGATGTCCCTTATCATGGCCGAGACATTTCCACGGTGGGGGGCAGGGTCTCGCGGGCTCTGGATTAGATGTCAGCCCATCATCCGCATGTGGTAGC	4
wt-72510-72630	2029	AGAAGGTTTTGGGGCGGCCACGCCACCTGAGGTCAGCTGAGTGTGAAGAGGTTTGAATGTTGAGGGCATTCTAATAGTGTGCTTGTCTTCCCTTCCGGATGACAGACAAGAGGC	4
wt-72630-72750	2030	GCAGTGCCGGCTAAGACACCCGCTGCACTTGTAGGTAGCGGACCCGCTGACACCCGCTGTCAAAAGCAGCCAGCCGCAAGCACTCTTTGATCTTGT	4
wt-72750-72870	2031	GACGATGCGGGCAGCCAGGCGGCTTAGGCCATTGAGCTTCTGCAGCACAGACAAAACCTTGTACTCGCTTGTCTCCACAATAGCATGGCTTAGGTAGGGGGGATGACCGCGAA	4
wt-72870-72990	2032	AGCCAGTTTCCCGTGCATATGCAAAAGGGGAGCACATCTTCCATATATCCGGTGGCGGGTGGACAAGCTGATTTGAAAAATAGACTGGTGGCCCTGGCACTGGACCCAGGC	4
wt-72990-73110	2033	GGCGCATGAGGCCGAGTACCTCAGCCGACGGTCCGGCACAGGTCCATAGATTTCTCCAGCCAGGAGGGCCCTTGTATCTTATAGTCCAGGTCCAAGACCAGGTTGCAGACCCGAA	4





wt-85830-85950	2140	AATGTCGGCCAGGGGCAACAGCAGACTCTGGAGTGGGAGGAACTGCTAACAGGAAAGGGACATGTTGGGGCTGGGGGACATTGCAGTTTCTCCCTTCTCTTGAACATCGAAC	4
wt-85950-86070	2141	GATGAGTGATTTCCGCCATGTAACAAGAACTGGGATGAACCCTGGGGCAACAGACTGCGGGGAGGAGGGGGCAGTGATAAGTCATGACAATTTAGATGAGGTAGAAAATTTTGCATATT	4
wt-86070-86190	2142	TTCAGACCACCATGGAATCATTGAAGGACAGGGGACTCTAGACAGTCAACCAGCAATGAGCGGGGAGATAATGTACAGACTACCGCGGAGCATGATCAGGACCTGGCCGGGGCCT	4
wt-86190-86310	2143	CCATCCAGTGGGGCTTCTGAGAGATTGTTACCAGAGAGTCACTAACAAGAGATCAGCAACTTTGGGGGCAAGCAGGGGTGATGAAAACAGAGGCTGATGAGCGCATCAGCGCAAGG	4
wt-86310-86430	2144	CGGAGAAGACGGGCTGCCTTGTCCGGCCATCTTTAGACACGGAAAGCAATGTGCCGCCATGTTGCCTCCACACGACATACACCATATACCGCAAGGAATATCAGGGATGCTGCCTGC	4
wt-86430-86550	2145	CGGGCTGTCAAGGTGAGTATGCTCTAAGTGGTTCATGGGGCCATTAAGGCCACGTGTGACCCATGTTCCATTAATTTAGCAATGCACCTGCAAGCGCTATCAACCTGATAC	4
wt-86550-86670	2146	TCGATAGTGGGTTAGACACACAACACTCTTGTGCTTCTGTGATGGAGCCGCTCTCAGGACATTTGCAGCTGGACCCTTGGTTGCGGAGGGCGGTGGGTTGGCGACATTTGGC	4
wt-86670-86790	2147	TTCTAACATCTCCAGCCAATCCTGGCCCATGGGATATCGTACAGCAACACTACGCACATTAACCTCCGTGCCTAACAGGGTTGGGGCTGACAGCATCATGTTAACTGCCACATTTGGAT	4
wt-86790-86910	2148	GCCAAAATGCGGCACGAACTCTAAACACCTTCTCTGCCACCCTGTGGACACACCCCATGCTGGACCAAGAGAGCAAGAAAGATACGCTCGGGAGCCGAGGTACGCTTCTCTGTGGTA	4
wt-86910-87030	2149	AATGCGAGAGGGGTACCGAAGAATCTATGATTTGATAGAACTGTGTGGCTCTCTGCACCACATCTGGCAAACTTGTCCAGACCGAGGAGAACCTTTTAGATTTCTGTGCTTTTCATGG	4
wt-87030-87150	2150	GTGTCATGTCCAGCTGCAATAATCCAGCTGTAATTAAGTCTGTTTACAAGACAATCGGAACTTTAAGCCATATTCCCGTGGAAATGCACACCTAATGAAAATCCATATCACGCGCGGA	4
wt-87150-87270	2151	GAGGCATAAAAGAACACGTAATCCAGAACGCAATTCGAAAGGCACAATAACAGGGTTTATCAATGTTAGCAACGGAGGTGAACCCAGAGGTGATGCTACTAGTGAACAGGACGATGATG	4
wt-87270-87390	2152	AGGACACCCGTAGACAGGGTTCGGACGTGGAGCTAGAGTCTCGACGATGAGCTGCCATATATCGATCCCAATATGGAGCCGGTTCAGCAGAGGCCCGTCATGTTGTGAGCCGTGTGC	4
wt-87390-87510	2153	CTGCAAGAAACCGAGGAACTGCCTTGGCCACGCCCAGACGCACCCAGTGAAGCGCACAAATGTTAAGACCTCTGATAGATCTGATAAGGCAGAAGCACAAAGCACCCCTGAAAGGC	4
wt-87510-87630	2154	CGGGCCCTTCGAAACAATCATTAGTGACCGTGGAGCCCGCCACCCGACCCCGGTGGAGATGCCAATGTTGATTTCTCCATCAACACCTCCAGTGCCTAAACCGGTTCCAGTCAAGCCTA	4
wt-87630-87750	2155	CGCCACCCCTTCCCGTAGGAGAAGGGGAGCGTGTGTTGTGTACGACGATGATGTCATAGAGGTGATTGATGTTGAAACCACCGAAGATTTCATCGTCAAGTGTACAGCCAAATAAGCCAC	4
wt-87750-87870	2156	ATCGGAAACATCAAGACGGCTTTCACAGTTCAGGCCGACGTCAAAACGAGCCGCGCCTCCACCCTGAGTCTTCGGATACTGGCCCTCTCCGCTGGGGCCCTCTGCCGCGGGCCTC	4
wt-87870-87990	2157	CTGCCGCGGGCCTCTGCCGCGGGCCTCTGCCGCGGGCCTCTGCCGCGGGCCTCTGCCGCGGGCCTCTGCCGCGGGCCTCTGCCGCGGGCCTCTGCCGCGGGCCTCTGCCGCGGGCCTC	12
wt-87990-88110	2158	ACATAGTGACGCTCTTCCGCCCGCCTCGTATAATGGCGCTCCCGTCTGATGATGTTTATGAGGGAGCGACAGCTCCCCAGTCCACCGGCCGTAACCTCAGTGCTTCTGGGAAA	4
wt-88110-88230	2159	TGCGGGCTGGTGTGAAATACACAATGCAACAAGAACCAAGTTCACACCTGCAGTCCGCCACTCAGCCTACACCGCCTCGCCCATCATGGGCCCATCAGTCTGCCCTCTCTGGTGA	4
wt-88230-88350	2160	TGGATGCTGGTAAGGCCAGCCATAGAAAGTTCACACTTGAGTTCATGTGCGCCACACAGCCGATATCGCACGAAGAACACCCCGGTATGAGGATCCTGACGCTCCTCTGGATTTAA	4
wt-88350-88470	2161	GTTTACATCCAGCGTTGCTGCTCAACAGCTCCCCAGGCTTACACAGGGATACAGGAGCCGCGCCAGCTCCATACCAGGGTACCAGGAGCCGCGCCCGCCAGGCTC	8
wt-88470-88590	2162	CATACCAGGGATACCAGGAGCCGCGCCACGGGCTCCAAATCATCTTATATCCAGGATATGCGGGTCCCTGGACCCCAAGGTCTCAACATCCATGTTATAGGACCCCTGGGCACCAT	4
wt-88590-88710	2163	GGTCTCAAGATCCTGTGCATGGGCACCCAGGTCATGGATCCAGGGCACCATCTCCACCTCAGTGGATGGATCTGCAGGACATGGCCAGGATCAGGCTCTCCAGTCTCCAC	4
wt-88710-88830	2164	ATCTGCAATCGGAGACAGGCCACCACGCTTCAACTTTCAATTTGTTGCCACTGGTCTATCCTCTGCACCATCATGGTATCTCCACAGCCCGAGCCCCATACGCCCATCCCAACAA	4
wt-88830-88950	2165	GATCCCCCTCCCCTATGCCGTTACAAGATAGCATGGCCGTGGGGTGTGACTCATCAGGTACAGCATGCCAAGCATGCCCTTGGCCAGTATTACAGTCAAGGTGCATTTACCCAC	4
wt-88950-89070	2166	TGGACATTAATGCCACCAGCCAAAAGGCGCTCGAGTAGAAGAAAGTTCACAGGACCTGCCGGTGTCCCAAGCTACTGCTGAAGCAGGAGATTCTCAGTGACAATTTGAGATCT	4
wt-89070-89190	2167	CCGTGTTCCCAAAGGACGCGAAGCAGACTGACTACGATGCATCCACTGAAAGTGAGCTAGATTAAAGGGATCCAAAGGTGACCCCTGTAGCTATTGACTGACACATAAACAT	4
wt-89190-89310	2168	GGTTAAAGGAATGAACACTCATGGTGTGAGACTGGAAGTGTACTAAATTTGCTGACATATGCAATGAGAGCCAAAATTTGATAAACCTTAAAAGTCCCCCATCTAATGATGTCCAG	4
wt-89310-89430	2169	TTCCCTTCTCCACCTGTACACCCGACCCAAAGGACTCAATGGCATTGAGATTTCTAGTTACCACAGGTAGAATATCGGGCGTGGCCATAAAAATAAGTGCATGGATATAGCTCT	4
wt-89430-89550	2170	GCACAGGCTTGGAAACACCCATTCCAGGTGTGCTCTTTTGGTGAATAAAAACAGCATCCTTTATATGAAAATGTGATTTCTCTGGTGTTCAGTATGTACAGTTAGCTTTGGTATAG	4
wt-89550-89670	2171	TTTTGGGTACTGAAATGTGTGAGGGTGGGTGTCATGTGGCAGTTTACCTCTTTGTCGCCATACTCTGCTCGGCCGCTTTGTTAAAGTTAACCGCGGTGGAGGATCCACCGGC	4
wt-89670-89790	2172	CAGACCTCTACATTTGGTTGGGTACCCAGGTGATGGCCGCGGCTGCCACCCGCTCCTCTCTTACCCTGGGTGGCAAAAAGTATGCCAGGAGTAGAACATAACCAAGTCCGATGGCG	4
wt-89790-89910	2173	GTAACAATGGCACCTCACCTGCTTAAATGAAACCATGGCAACCCTTCAAAGAGAGCCGACAGGAAGATATTTATTAATATTCATTAGTAAACAGGGCGTGAAGCAGGCGTGGTTTC	4
wt-89910-90030	2174	AATAACGGGAGTTAGAAATTTAAGAGATCCTCGTGTAAAACATCTGGTGTCCGGGGGATAATGGAGTCAACATCCAGGCTTGGGCACATCTGCTTCAACAGGAGGGCGAGCCTGTCAATT	4
wt-90030-90150	2175	TCAGATGATTTGGCAGCAGCCACCTGCGGACAAAATCAGGCGTTTAGATGGGGCATTATGTTGGGACGCTAGCCGCTGGGCATTCGTGTTAGTATATACTGACCTCACGGTAGTGC	4
wt-90150-90270	2176	TGCAGCAGTTCCTAACTTGGCCCGGCATTTCTGGAAGCCACCCGATTCGTATCGCTTATTCTAGTTTCAAGTGCATTCCTCCAGCTGCGAGCAAGGGAATGCGTTACTACAA	4
wt-90270-90390	2177	GTGGTGCCTAGTCAGTTGAAACAAGCCCAACCATCCGCTGCCGCCCTCCATGAGCCCAACCGTCCGCTGCCGCCCTCCTTGGAGCCCTCCTTACCAGTCTGGCTGTTGGTITCCG	4
wt-90390-90510	2178	TGTGCGTCTGCCGGGACGCACTGGTGCAGGCTGTGGAACCAATGTCTGCTAGCTGTTGCTCCTTGGTTAGCCCGGGGCAAGCAACACCACTGCTGCTGCTGTTGAACAGTAGA	4
wt-90510-90630	2179	ATTGTCTCCAGGTTGAGGTGCTTCTCCCGGCTTGGTTAGTCTGTTGATTCTGGGTTATGTGGGAGACTGGGAACAGCTGAGGTGCTGCATAAGCTTGATAAGCATTCTCAGGAGCAGG	4
wt-90630-90750	2180	CTGAGGGGAGAAAACACGACCCAGTCCGAGCGGTTGAAACATGATAGGCAATTAGCTGGCCCTTGGCAGAGGCTCTGGCAGCACCAGGACACAAAGGCAAGGAGCTTGGCA	4
wt-90750-90870	2181	TGGCCCTCCAGGTCCTGATAGACTCTGGTAGCTTGGTCAAAAGCTGTGACAAAAGGCACTGGATGGGTGAGGTGAAATTTATCATCTTCAGAAAGTTCAGGTTGGGTCATCATCTT	4
wt-90870-90990	2182	CAGCAAAAGATAGCAAAAGTGGCCGCGCAAGGTGCAATGTTTGTGAGTTACCTGTCTAACATCTCCCTTTAAAGCAAGGACCCAGCCTCCTCTGTGATGTCATGGTTGGGACGTGCTA	4
wt-90990-91110	2183	AATTTAGGTGTCTATGAGGTACATTAGCAATGCCTGTGGCTCATGCATAGTTTCTAAAAGAGGAGGAGGAGTCTTTTCAAGAGTGTCTAAAATAAGCTGGTGTCAAAAATAGACAGCCC	4
wt-91110-91230	2184	AGTTGAAATATGCATGGCATGCAGCAGACATTCATCATTTAGAAATGTATCCAAGATTTCAATTAAGTTCGGGGGTGAGGGGGAGTCCAGATTCAAATCCTCTGTCTGACTTAGTGT	4
wt-91230-91350	2185	TGTGCTCAGTTCGTTCAAAATGGCCACGAGGGGGCGGGTGCCTCAGTCCATCTGTCCACATATGGCTGCTCCTCCTTCTGGGGAATAACAGTGTACAGCATCTCCTTAGGGCCTCAC	4
wt-91350-91470	2186	GGCCTGACTGTTTCTTATCAGGGTCCCAACAGCATGACTTGCCTCGGGGGTACTGCGGGGGCGGGTCAAGTGGCTGGGGCACCCGGGCTGGCTTAGGGATCCGACCCGTTTCATG	4
wt-91470-91590	2187	GACAGGCTCTGTGGGGTGGGAGCCAAAGAGCAGGACGGGCGGTTGGCCACGGGGTCCGGGTGGATGAAAGGGCTGATCCTCTTTGGCTGACACACCTCGCCCTCGCCGCTGAACAC	8
wt-91590-91710	2188	GTCAGATATGCACACTGCCGCTTCCGCTTTGGCAGGAACATACCTTCCGGCTATCCTGAGGCCCTTCTCTTTTAAACGGGAGGAAGAAAGGTGGGCTTTAGGGGTGGGGAATAT	4
wt-91710-91830	2189	GGGTCTCTCATCGTCTCTTGGTGGACCGCTGCTATCCAAGGCTGTTCAAGTTCGCGCGGTTGGAAGGACATGGAGTTTACCACGGTGGCCCTGGATGTCCGCGCGACTTTGGGGC	4
wt-91830-91950	2190	CCGACGGCGGGGCTCGGCCCTGCGCTCTTCCGCTCGCTCTGCTGGTGTCACTGTTGCCGAGTCACTGCTGCTGGAACCTGCTGTACCCGAGTCCGCGCTTTGGGCACCCGGCTT	4

wt-91950-92070	2191	CAGGGGCATGGTCGGGCTCGGGAGACTTTCGAGTTTCACTGTAAAAGCATGAAACTGTCCGGACTCCGAGTAGCGGGCCTCGGTGTGAGAGGCCACCCCATCATTCCCATGAGCTCCTC	4
wt-92070-92190	2192	GTCCATCCTGTCGGCTCCGGACACGAGGATAGGAGTTCCTCACTGCCTTGACTTGGTTGACAGCAGGCCAGCGGGGAAAGCACGCCGCTCACGTAGCTCCTGTGTCGGGCTGGCTGGAGTA	4
wt-92190-92310	2193	GGAGGCCCGGGCAGTGTCTTAATCAGAGCCCTGACATCCTTAACATCGTCCGTGACATGCGCTGTCTTGGACGAGACCATAGCTGGAACATCTCTCGAGGACGGGATAGTGAACAC	4
wt-92310-92430	2194	CCACTTGCAAAGGCCCTTGAACCTGGAGCTTAGGAGGCTTCCTTCTCCATCCTGTTACAGGTGTCCACTACCTGCTTGCCTGGAGGCCATGATGGCCGCGCGGTCCACGCCAGCACCTT	4
wt-92430-92550	2195	GCTGTAGGTGTAGGCCCGCACCAGACTGTGTTTTAGGAGCTTGTACATAGCGGTGCCTATGGTGGCAGGAAATCATCACCCGGTGTCTGGGGCCCTGGATGAAGAACTGTCTAGTACCCAC	4
wt-92550-92670	2196	TATCAGGTGGTCAACAGTAGCCATCATCTATGGCCACCGGATGGAACATCGTGTGGCGCCTTCCAGCCCTGTCTTACCCTGTGGTTTTGGAGAATGGCCAAAATAGGCA	4
wt-92670-92790	2197	GATGTTGAGCGTGGCCATTAGCCGCCCCTATTGCTGCCCCCTGGCCCTGCGCTTATAAAATGCCTTTTGTAGGATCTCAGAGTAATCTCCACAGCTCCCGGCTGTAAATTC	4
wt-92790-92910	2198	CTTGTTGAGGACGTTGCAGTAGTCAGAGACCAGAGAGCCAGCTGCTTTTTGATTTTTCAGGAGTTAGCCTCAGAAAGTCTTCAAGCCATCCTTTTTAGGCCCTCATGGCTAGTAGTAACAG	4
wt-92910-93030	2199	AGGAAATGCCGACCATTAAAATCTTTCCCTCATGAGCTTTACCTGAAACATATCCCGAAGTGGGGATGTGGTGCATCTACTGAAACCATCGGGGTCGACTGCGACCCTCCACCTAG	4
wt-93030-93150	2200	CCACCCTCCTGACAGCCCAGAGGGGGCTTCTTCTGGCAAGAGTGTGACAGGCTGTACAGCAGCACAAGCTGCTGGAAAGACACCATCGTCCCAAGATCTTAAAGAAAGTGGCTTATTT	4
wt-93150-93270	2201	CTTAGAGCTGCTAAGCTACTACTCCCAAGGATGAACAGCGTAGCATGCCGAGGTTCTTGACCACTCAAGCAATCGGGACCTGGGGCTGGACGACAGACTCTGGCCCTGATTAG	4
wt-93270-93390	2202	GAACTGCGCCAAGACAGACACCATGCTCTGTAAATGCTCCATGCCGGAAGCGACTACACAGCCCTGTGCTCTGACAGTACTACGACGGCATCTCCACAGGTATGAGGAAGGTAATCGC	4
wt-93390-93510	2203	GGATGCTGCCGAGTGGCTATGCCCTCCATGCCCTCCATGACGGCCACGCACAACCTCTCCACCAGCTTGTGATGGCTCCCGGGCCAGTGAAGAAACCGTCCCGCTGGCAGCGGTTCTT	8
wt-93510-93630	2204	TAACCAGTCTCCTCTGGACTGTGGCCCTCTGCAAGTTTTCGACAGTGACTTACTATAACTACATTAGGGATCTATAGCCACCATCTCCAGCTTCTGCACCTCGAGATCAAGGCCCT	4
wt-93630-93750	2205	CTGACAGCTGGATAATATCCAGGATGGCATGCGCCCTTTCACAACAGCAGGCCCTCTCTCACCCTTGGAGAGCGTGGCCGAAATCAGGAGGTACGGATGCCATTACCTGCGCTGA	4
wt-93750-93870	2206	CTGCGCTGAATACATAGACTACTAAAGCAGCAAAAACATGTCTTAGAAACTGTTCTGCCATGCAATAAATAAATTTCTCTTACCTGCGTGTGTGGTAGTGAGGTGGTGTGTGC	4
wt-93870-93990	2207	TGTATGGTACTTACTTTTTAAAAGGCCGGCTGACATGGATTACTGGTCTTTTATGAGCCATTGGCATTGGCCGGAACAATCGAATAAAAACCTGACCATCACATGGGGCATTAGGCCGA	4
wt-93990-94110	2208	CTCTGATCAGCATCGCTTAAATGATGAGTGGGACAGCAGAGGGCTCGTATTTTTGGTTCCTGAACATCTGGTGGGCACTTAACTAAGCTTATGAGCGATTTTATCACAGGACAAGATG	4
wt-94110-94230	2209	TCACTTTTCTGGAGGAAATATGACAGTCAAATTCGGATGCTATAAACACAGACCCCGGGGGTGGTGATGTAGTATACTTTCTTCCCTGTTGTCTTATGGAATGCCCTCCCAACAT	4
wt-94230-94350	2210	CTGGTAGACAATCCTCCAGGGACGATTAATCCAGCGCCGCTGCAGGGCTTAACCAAGCCGCAACTTATGTCGGGTGTATTCCAGGTGAGACCTCACACAAGGACACACCCAGT	4
wt-94350-94470	2211	CATTGCTCCGGCTATCGTGACGGGTCTCCAAAATGTGGTGGATTCGTCGGGATGCCAGAGTGCCTACAATGTCTTAAAGGATTGAAGGCAATTAAAGCCGGCTTTATGAAATCC	4
wt-94470-94590	2212	CTAGATAATACCACACTAAGCAGTGTAGTCCCTGTAATCTGTAACATGTGTCCCAAGCTTGGTCCAGCATTGACGCTTGCATGTCCAGCTTGACATGACAGCAGGGCCTGACGCG	4
wt-94590-94710	2213	CTGACTTTACGAAATCCCTGACCTCGATGACTCCGATGTGTTTTGCACGCACCTTATTGGACGCTTATTTACCTCAATATGTTCTTTATTTACAAAGATTACATAACACAAGACT	4
wt-94710-94830	2214	CCATGAGCTTGAAGCAGGCCCTCAGTGGTCATTGGATGTCTGCCAGGGCAACCCCTGCTGCAGCAGCGGAAACCTCGAGACTACTTGAAGCTTTCCGAAATCGGATAATCACT	4
wt-94830-94950	2215	TTTATCTCCCGACGACAGGGCTTTAAACACCTTCCAATTTCCCGAAGAGCTTCTGGGGCGCGTGTGTTATGATTCTCTTTGTGTCGCGCAGTACAGTTCAGGACGTATCACCC	4
wt-94950-95070	2216	ATGGTGTGGGGCGGGTGTTCCTGCTCGTTTCGGCCCTGCCTCCGGCCCATCCCGCAGGCCAGCACGACATGCTCTCAGTTAACGACGAGAGGAAATGAAAGCTCAGGGCGAA	4
wt-95070-95190	2217	ACTTGGGCCAGCCCGGGGGACCTCCCTGCTTCCCCAGTTTGCCCATGCTTCCCTGACGGCTCAGGGGCCAAGCAAACCGGGGCGCATGGATCCCTGACTTAGCCAAGC	8
wt-95190-95310	2218	CTGAGAAACCTCCCCCGCCCTCCCCAGATGCCCATCGCTTCCCGAGCGGCTCAGGATCAGGGCCAAAGACATAGAGATGGTGTCCGGAGACCCAAAACGTCCTTGTGCTGCAAA	8
wt-95310-95430	2219	TTGCCAGTAGCATCTGTCTGTGTTGACCTTGAAGAGGAAAGAGGGGGTCCCGAGAATCCCATCCCTACCCTCAGCAAAAAGGGGACGAGGAATTTAGGGCTGGCTTAGGGCTC	4
wt-95430-95550	2220	AGGACGCAAACTTGGAGGATGTTACGCGGAGTTTCCCGGCTGCGAGTAATTGGTGATGAGGACGAGGATGGTTCGGAGGATGGGAAATTTTCCAGACCTGGATGCTGTGACAGCGACC	4
wt-95550-95670	2221	ATGAAGGGGATGAGGGTGGGGGGCTGTTGGAGGGGGCAGGAGTGTGACTCCCTGTATTACTGAGCGTGTCTAATAAAGATGTCTATTGATCTTTTATGTGAATCATGCTGTGAC	4
wt-95670-95790	2222	GAGGGCCAGGTACAGGACTGGAATGGCTAGGAGAGAAAGGGAGACACACTTGGACCAGAAGGCTCCGGCCAGTGGACCTCAAAGAAGAGGGGGTATAACCATGGACGAGGACGG	4
wt-95790-95910	2223	GGAAGAGGACGAGGACGAGGAGGGCGGAAGACCAGGAGCCCGGGCGCTCAGGATCAGGGCCAAAGACATAGAGATGGTGTCCGGAGACCCAAAACGTCCTTGTGCTGCAAA	4
wt-95910-96030	2224	GGGCCACGCTGGAACAGGACGAGGAGCAGGAGCGGGAGGGGACGAGGAGGGGAGGAGCAGGAGGAGGGGACGAGGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGGG	8
wt-96030-96150	2225	GCAGGAGCAGGAGGAGGGGACGAGGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGAGGGGACGAGGAGGAGGGGACGAGGAGGAGGGGACGAGGAGGAGGGGCA	8
wt-96150-96270	2226	GGAGGGGACGAGGAGGGGACGAGGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGAGGGGACGGA	8
wt-96270-96390	2227	GCAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGAGGGGACGGA	8
wt-96390-96510	2228	GCAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGAGGGGACGGA	8
wt-96510-96630	2228	GCAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGAGGGGACGGA	8
wt-96630-96750	2229	GCAGGAGGTGAGGAGCCGGGTGAGGAGGCGGAGTGGAGGCGGGGTGAGGAGGTAGTGGAGGCGGGGTGAGGAGGTAGTGGAGGCGGGGTGAGGAGGTGAAAAGGACCGAGGGG	8
wt-96750-96870	2230	GGAAGTGTGAAAGAGCCAGGGGAGAGGTGTTGAGGCTGGAGAAAGAGGGCCAGGAGTCCAGTAGTCAGTCATCATCGGGTCTCCACCGCGCAGGCCCTCCAGGTTAGAAGG	4
wt-96870-96990	2231	CCATTTTCCACCTGTAGGGGAAGCCGATTTTGAATACCACCAAGAGGTTGCCCATAGTGGTAGGCTGACGTTCCCGGGGAGGATAGAGGAGGGCCCGCAGATGACCCAGGA	4
wt-96990-97110	2232	GAAGCCCAAGCACTGGACCCCGGGTTCAGGGTGATGGAGGCGGCAAAAAGGAGGGTGGTTTGAAGGACATCGTGGTCAAGGAGGTTTCAACCCGAAATTTGAGAACATTGAGAA	4
wt-97110-97230	2233	GGTTTAAAGACTCTCCTGGCTAGGATCAGGTGAGAAAGGACTACCAGCAGGAACTTGGCTCCGGGTGTGTTGATATGAGGATAGTAAAGCTCCCTTTACAACCTAAGGCAGGA	4
wt-97230-97350	2234	ACTGCCCTTGTATTCCACAATGCTGCTTACACCATGAGTCTCCTCCTTTTGAATGGCCCTGACCACCGCCCAACCTGGCCCTCAGGGAGTCCATTGTCTGTTATTTTCATG	4
wt-97350-97470	2235	GTCTTTTACAACCTCATATATTTGCTGAGGTTTGAAGGATGCGATTAAGGACTTGTATGACAAAGGCCGCTCCTACTGCAATATCAGGGTACTGTGTGACGCTTTGACGATGGA	4
wt-97470-97590	2236	GTAGATTTGCCTCCTGTTTCCACTATGGTGGAAAGGGGCTGCGCGGAGGGTGTGACGGAGATGACGGAGATGAAAGGAGGTGATGGAGATGAGGGTGAAGGAGGGCAGGAGTATGT	4
wt-97590-97710	2237	AACCTGTTAGGAGACGCCCTCAATCGATTA AAAAGCCGTGATTTCCCCCGCAATAAAGAAATCCCAACAGTACAGATCATGCTGCTGTTGGTGTATTCTGGCCATCTGCTTGTGCTC	4
wt-97710-97830	2238	CATTTTGTCTCCCAACATGGGCAATTGGCAATACCATTGTTGCAGTCACTAGCTCCAGCTTCAACACTTCTCGCGTTGAAACATTAGGACATTTACCTGGTGAACAATCA	4
wt-97830-97950	2239	GACATCGAGCGCTTACGCTTTCGCTTAAATTTACCTAAAGATGGGAGCAACCACTGGTGCATCAGCCGCTGCGCAACCGACTCAACGTGGTCTCCTTTCTTCTCATCCTCTGAA	4
wt-97950-98070	2240	GCGAAGCAGCTCCGCCCTCACGGCCATCTCGTGAGTTGTTAACCCCTGGAGACTTTTACGGTTCATTCTCAGTGAAGACCTGTTGGTGGCACTTAAACAGATACCGCATGGCA	4
wt-98070-98190	2241	TGCGGGGGCTAGACCTCTGGCTGGATGAGCAGTGTGGAAGAGGAAAACAGGAGATTGGTGTAAAGGAGAAAATCTGCTTCTCCCGACTTATGGCTAGATTTCTACAACCTACGCC	4



wt-104310-104430	2293	CTGGCCAGGTCACCCAAGGATTACTGCGCGGATCTAAACAAGGAGGAAGATGCCAACTCGGGCTTACATTTAACTCTTTTATCAAGATTCTTTATTGACCAAGCATTTCAGTGCCAG	4
wt-104430-104550	2294	ACCGTCCTCCAGACCTTGAGACGCAAGTGCCTCGGGAGTGACACGGTCTCAAAAATAATCCCTAGAATAAACTGAGAACAGTCATCAGTAAATCTGTCTCTCGCGTATTCCATAGGA	4
wt-104550-104670	2295	ATGGTGTAGCCGGGTGGAGGGCCGATATCACATCAAGCAGAAAGGCCATAATCTCTCGAAAGTAGGCGGTGGGGCTGAGACCATGCTCAGTGGCCGTCTGGCAGGGGGCCGGGCGCT	4
wt-104670-104790	2296	CCGTCTTGTCCAGGAGACACACTGGCTTCCAGAGAGCGCAGCCAGCCCTCCGAGCCGCTGAAGCCAGGCTCGCGGAAGAGCCAAAACCTGTTTCGCGCCGCCCGGGGGCCAGT	8
wt-105030-105150	2299	TCTCCACCCATCACATCCCGGTGAGGCGGCTGGCATTCCCGAGTCTTTACGCGCTTCAGGAAAGCCTAGGAGATACAGCAACAGAAAGCTATTAGCCGGTGGTTCACCCACCATCAT	4
wt-105150-105270	2300	TCTTCTGTAAACGGGAAGAATAAGAGTTGGGCAACCCCGGGCCGCGCTCCACCCAGCCCGCTTCTCACCTGTGTAGTGGCTCTCTGAAGGATGGCGGAGGTTGGTGCCA	4
wt-105390-105510	2302	TGCCATAGCGGTGAAGGGCCCGAGCCGCTTTGCGCGTCCCGCGCTGCCCTCCGCTCAGGCGTTCACCGGGGGCCCTGGCAGAGAGGTCGACGAGCCAGCCAGTCTGTAGAGCC	8
wt-105510-105630	2303	ACCAAGTGGCATCAGCCTCAAGGATGGCTGTGGCTCCGCGCGCCGACCACCGTCTGCTCTGCTCTCCCGCTCCCTCGCGCCTTCCCGGTGCAAACTGGCGAGGGTTAATCTCT	8
wt-105630-105750	2304	TTCGGGTGCGGGGCCAGATTTGTTGTAGGAGAGCGAGCCGCTGTTGCCCTGACCGCGGTGAGGCCAGGAGGGGCTGTCAGGGGGCTCCAGAGACTCCAGGTTAGGTTCCA	8
wt-105750-105870	2305	GTAGCAGGAGACCCCTCGTGTGTGGCGCCCGTGCAGAAAGCCCGCTCGCCCTCCACATAATGGATGGCAGGAAGGAAAGCCCGGACATAGGGCTGAAATCTGAGCCCCCTG	8
wt-105870-105990	2306	GGCAGAGTTCGGGTCCAGGAGTAGAAGATGGCTTGGTCTGTGGTGGCTAGCAGGAGGCATAGATCTCGGAGGAAGCGTAGCCGCCCGCCCGCCGACATCAAGAGT	4
wt-105990-106110	2307	TGACAAGCCAGGACTGAATCCCCAGCCGCTCAAGAATTTTCAAGTTCAGGCTGACCGCGTCCCTCGGGCTCCACACCAGCCGCGTGGCCCGTGGCAGACACCCAGATCTACTATAAG	4
wt-106110-106230	2308	TGACCGGTGCGAGGATGTCCTAAAGGGGACGGGAGAGGGTCTCGGGAGTCTCGGTGGAATAGTGAAAACATCCCCACCGGTGTCCTGATGATACGTCCAACGTCCGGGAGACT	4
wt-106230-106350	2309	CAGAGTGCCTCTGAGCATGGGGCATGTCTGTCCCGCTCCATCTCGACCAGGACCATCAACAGTGGGGTGTGGTCCCGCCATCATCCCGGAGCAGCTTTGGCAGACCCT	4
wt-106350-106470	2310	GTGCTGAAAGAGAGGCTGGAAGATGAGCCCTGCTCATCTCCACCTGGCGGCGACAAGAGTCTGCGGTCTCGGGTCTAAATGAAAGGTCAAATAGTCTTCTCGCGGCATCGG	4
wt-106470-106590	2311	CGAGCATAGCAATGAGCCCCCGCTGCGCTGAGCTCCCGCTCCATCGAAAAGTTGAGTTCCGTAGTCGAGGGCGGTTGACCACGGGGGCTCCAGGGAGCCTCAAGCGCGGCT	8
wt-106590-106710	2312	GGCAGGCTGCACCCAGTACAGATCTCAACGTCTCCCTTTTGTAGGGCAGCATGCCACAGCCAAATGCCACCCAGCCCTGCGGTCTGGGTAACATTAATAAGGTAACCCGAGC	4
wt-106710-106830	2313	TGACGCGGGCCCTGACGCTCTCCGCGGGTGTTCATCATTTTGTGATCTGAGGAGGACTGGACCTTTAAAACATCCGGTACGCGCTTTCGAAATTAATAAGGTAAGTGTCTCA	4
wt-106830-106950	2314	ACTGAGACCATCGCAATCATGAAGTCTCAAGAATGACACGTTCTATAGAACGTTGGTCAAACGCTTGTGTACTTTGTGATGTTGTCATGTGCGGGTGGTCCCATCACC	4
wt-106950-107070	2315	GCCATGTTCCCAACCTGGGGTACCCTGCTACTTTAACGCAGTGGTGTATACGGGCACTTAACCTGACCAATACAACTGGCCACCCAGCTGACCCCAAGCTCTATCTGGAGCCG	4
wt-107070-107190	2316	CCGGAGATGTTGTCTACATCACACTGGCTTTATCGCGGACTGCGTGGCTTCTACTACTCGCCTCGGGGAGGTTGGCGCTAATCAAGGCCGAAAAAGGTTCTGGGTCTTACAGC	4
wt-107190-107310	2317	CTCTGGGCTGGTCTCGGCAGTGGCTCCCAACCGTGTGTTTTGGCCATCTCAAGCTTGGTCTTACAGGCTTCTTCTTACAAGCACTTCTTCTCGGGC	4
wt-107310-107430	2318	TTTGTGACTTTTTGCACTTCTGCGCTCAGTTCTACACGCTGCGCATGTGTGACCCGCTTCTCCCGGTCTGGTGGTCAAGGCCAGGACAACCTTATTTCCAGGACACCTTTTG	4
wt-107430-107550	2319	TGGTGGTGGTCTTCTACTGAAGCCGTAGTTACAAACCTGTACCTGGGTGCTTCCCTGGAGAGCTGGTCTTCTCGCTCAGCGTGTCTGGCCCTGGGCAACAGCTTTACTTT	4
wt-107550-107670	2320	ATGGTGGGGACATGGTGTGGAGCCGTAACCTTCTCATCTGCCATCTTCTGGTACATTCTGACGGAGGTGGTGGCCTCTTCTCGCGCAACCTTTGGCTTCTACTGC	4
wt-107670-107790	2321	GGCATGTTTCATCGCTCCATCATCTGATCTGCCCTGGTCAAGTACGAGGCCGCTTGTCTCCGCCAAGTGCACACCACTGTGGCCATCAATGTGGCCATCATACCTATCTGTGC	4
wt-107790-107910	2322	TGGTGGCCATGCTCATCAGGATGCGGATTTTCAAAGCATCGCCAGGCACTGACTATGCTCTGTCGGAGACGGTGAAGTGGAGCTAGAGTCAGAGCCAGGCGCTAGGCC	4
wt-107910-108030	2323	TGCGCACCGCCATCACCCGGGCCAACCGCCGCGCTTCTACGCTCATCTTCCAGTCAAGGAGACAGAGGCGCTCTACCAAGCCCTGCTTCCAGCCGCTTTTACCG	4
wt-108030-108150	2324	ATGACGACGGACAGGAGGAGATCTTCCCTAATGAATAAAACTTAAACACTGAGGTTACTTTCCCGTACTTCTTCCGGGAAACGAGGGGAGGCGGGAATTGGGTTAAGATAG	4
wt-108150-108270	2325	GGCGAAGGGTGGGGTGGGTGCAAGAATTGGGGCTGGGAATGGAGAGGGGAGTGGGCTAGGTGCCACACCCGGGTGCCAAGATAATGGATTGAGTAAGCATGGGGCTGTATCGGGT	4
wt-108270-108390	2326	CGCCGGTCTCAGGGGTGAGTGGGTGGGCATTGCATATTTTTGCCCGGTGCTGTTGGGCTTGGACTCGGGGTGATCATCCGTACCATACCCGCACCCGACCCAGTCCACAGCC	4
wt-108390-108510	2327	ACCGGCAAGTCTGGGCTCCACCCGTTATGCCTCCCGCTTACCATAAATAAAGAGATGTTAGTTGGTTTTTATTTGGCAAAACAGCAATTCATATTTACAGATCC	4
wt-108510-108630	2328	TCATCATATTCAGCCCTCGTTGGTTTTCCCGCAGGCCCTCCCTTCTCGGCCGCTATTAGCTTAGTAGTCTCCAGGTTAACTCCTCATAGTCATTATACAGGTTGATTATCCCGC	4
wt-108630-108750	2329	TCCACGTCGCTATGGAGTTGACTGCTGCTCGGCAAAAGAGACCAGAGGCCACCCATGCGCGGTGTCAAAAGTATTGTCTGCGTACGCTTTCAGGAGCCAGCCGCGGTGCTCAAGGTCT	4
wt-108750-108870	2330	TACGGATGACAGAGTCCGCGAGACCAGGGTGTACCAGCACCGCCAGGGAATCTCCACCGAGGCGTCCAGAAGCAGGCTGAGCCGAGCGTGCAGGTGCGCGGGTCTAGAGGCGACC	8
wt-108870-108990	2331	GTTTTCGAAAGAGGCCGTCACAATGTTACCCGGGTGAGCAGTCTCCCGGGCTTGCACCCCACTGTGGCGGACGAGTCTCCAACAATTTGTATTGGAGGAGCACCTGGTAGA	4
wt-108990-109110	2332	AGTAGTTGTCCGTGGATTGATGAAGATGTTGACTGGGACCCGGCTTTAATACCAATGCGCCCCGATTTTCGTTGGTCCGTCATTACGTAGAGCATAGACTCCACCCCTGTTGG	4
wt-109110-109230	2333	CAGCTAGGCTGTCTGCCACAGGTGATGACCGGGGCCAGTTTTGCGCTTACGGACATCTTAAAGATTCCAGGCCATCTCTGCGTCAACAGATAGTCAACCTCCGAGGGCAACCCGCCAT	4
wt-109230-109350	2334	CCGGGACGTACTCCAGGTAGGACGAGCTAAGAATTGATAAATCTGATAAATGACCTTGCATGGCCTTGTAAAGCGCAGTGTAGGATGGGTAGATGGGGTCAAATTTGACTTGG	4
wt-109350-109470	2335	AAAAGAGGTACTTGAAGCGCACTTAATCTCATAAATGCAGCTCCGGTCCGTGAACAGTAAAGTCTCCCTGTGACTCCACATTGACGCAAAAGTCCAGAGACCCCAAAATGCCAT	4
wt-109470-109590	2336	CCGTGGGACTAATCATAAAGCCAAATTGACGGTTGGCGGATGCGTCCCGCAGATGAGCTTACAGACAATGCTTGAACCGTGCCTCACACCCGAGGCCAAAGGCCACAGTCCCCCAA	4
wt-109590-109710	2337	AGTAGTATTGTGGAGATGGGAGTGGCTCAAACACCTTGGTGGTCCATTTCTAATGGTGGAGAGCAGCTTGAAGAGGAAATGATGCCATTTCCGAATATGTCCACATCAGGTTCT	4
wt-109710-109830	2338	CAGACTGCCCTGTCTGACATGGAAGTCCAGTCCAGTACGAGCAGAGAACAGTCTCTGCTGCGTGGCCTCTGATGCCCCAGTAAATGGATTTCAGGGGAGGACCGTCTTCTGTCAATCT	4
wt-109830-109950	2339	CTTGACTAACGAGGAGACAAAGTACAGAAAGCCAGTTTACCAGAGAAGTCTTGTATTTGTTTACAGAGCAATAGAGATAGACAAAGCCGATGGCCGGCATCTGAGGTGGACGGTCAA	4
wt-109950-110070	2340	GGTTACGGACAAGGCCTCAGTCTCCGACTCGGAGGAAGCGGCAACAGTGTAGGAGGTCATCTCTCCATGGGATCTCGAGCTCATCCAGTCCGCCATCTGGACCAAGAAAGTCTG	4
wt-110070-110190	2341	TCTGCCAAGATTGACTACAGACCTGGAAGATGAGGGTCTCAAAACCTGGGCGACAGTTGAAGAAGTACTCTCTTGAACCTCTTTTAAAGCTCCGGCACCACTGCAAGAATTGA	4
wt-110190-110310	2342	CTCATATGCTCCCGGTGACATCCAGCAGGACTCTCGCCACAGGAGTCCAGGCCATGTCTAAGTTCAGGTTCCACATCTGCGACAGCACCTTCAACAGCACCACTTTGGGGTGC	4
wt-110310-110430	2343	AATTGCAAAAAGTAGAGCGGGTCCAGTCCAGTCCGTTCAAATCCCTGTACAGGTTGGGGATTTTGTGGTGGAGTACGAGGTCATGATACCATAGAGCAGCGAGTACCGAGCGAC	4
wt-110550-110670	2345	TCCTTGGCTATAGAAAATGGTCCCTCTGCAATAGAGCGATAGAGCTGCCGCGCTTGAAGAAGCTTACGCCACATCCAGCATCTTGTTCGGTCTGGAGGGGAAGCAGTCCCATAA	4
wt-110670-110790	2346	TCAGTCAAGACAGCTACCATGCCCCACATGGTGTCTGTAATCCACCAGGATGTTGCTGGGCTAATGTCGAATGGAAGAGGCCGAGTCCGATTGAGAAAGTAAACGGCATCT	4
wt-110790-110910	2347	TTGAGCCCTGAAAGCCCGCACCAGGGGCTCAATACTACCATCATGCCAGTGGCCATAATCTGGAGACTGCATCTGAACCTGGGGCATAAACAGGGCTGGCAGGACGTGACGGCCGAC	4



wt-110910-111030	2348	AGGTAGTCCACCAGGGCCTGTCTGCCATCCTCGGCCGTGGCCCTCCCAATCTGAATCATGTGCACACACCATGAGCTCGTGATACAGCTCCGTGACAGAGTATAGAGTTTGACCGTG	4
wt-111030-111150	2349	GCATTATCTGCATGTGCATACACGGCCCGTAGCTCCCCGCCAGCAGATACTCGCAGGTAATGGGGAGGTGATCACAGCGCGTCATGTTCTCCGGCAGCTTTACATAGAGGGTCTCC	4
wt-111150-111270	2350	GTCATGTCAATGTTGGTACACCTCAGGTGTTTGTGCTGAAAGGTGAAGTAATCAATGACAGTACCTTCCCCAAAAGGCCTGGGTCTCTCGAGGGGGTCTGGGGAGACTCAAC	4
wt-111270-111390	2351	TGCGCACTGCTGGAGGAGTTCCTCGGGCTCAACTCCGCAGCCATATTACATCCATGTTCCCTCAAATGGCTCGAGGGCTGTCGAGCTCGTCTCGGCCCAAGCTCCTGCTCACGGAG	4
wt-111390-111510	2352	CTCCTCCACCCGCTAGCTGCTGTGATGTTTGGAAATTTAGTCTTGGTCTGGTCCGGTGACCACCCCTGTAGAGTGAATAAGTGTGTTGGACTCAAACGCTCCCTTCGGCTGGCG	4
wt-111510-111630	2353	CAGGGACTTAAGGCACCCGAGCAGTAACTGTGTTTCAAACAGCGTGGTCCCTCCAAATCTGCATGCGCTCACAGCCGCTCTTTTCTACCGAGGCTTCTAGTGTCTG	4
wt-111630-111750	2354	GGCCACCACTCGCTTAGAATACTCATCTTCAATAGTCCACATGTCGCCCAACTTAGGGCCAGATCATACGTGGGTAGAGTACGGTAGTTCCAGTGGAGGCTCCATCCCGGTAATTTTC	4
wt-111750-111870	2355	CCACAGCGTCCACCATATATCTTCTGCCTCTCCCGTTAGAATTAGGCAAGGATCATACGTGTCCACCCGCCCTTTATACTGAGCGTTTAGGTTTTGTTATGTAGCAAGCACAAAAGGC	4
wt-111870-111990	2356	ACACACGAGTGATGCAAAGGGTTCCTGAGGCGAGGCGAGAGCTGTTTGGCCATTTTATTCAGGCGGCTAACGTCAAAGGGAGGAGCTATATCCTACCCTTCAGTCCAGCACGCTCCA	4
wt-111990-112110	2357	AGTACAGGGCATAACACACCTGGTGAGGTGTGCCAGGAATGCCTCTATGTTGGACATGGTGTATAAACCCGAGTGGGTAGCAGAATAGGGCCCTTTTCCCGCTGCCGACGCTAAA	4
wt-112110-112230	2358	CGCATGACGCTTTCGAGTGGACCTGGGCCGTAGAAGAGGGCCACATCAAGGAGTGGGTCTCAGGCACAGGAGGTCAGGTTTGGAGTGGCCCAATTTTGAAGGCT	4
wt-112230-112350	2359	GACCTATAACCTCATCTTTGTTCCAGGCCAGCCCAATTCGCATAAGTCCCCATCAAAACCTCAAACACAGACCCTGCCCATTTTCAAGGCTGAGAGGGCTCCATCCCGCTGACCAAC	4
wt-112350-112470	2360	CTTGTCCACCAACTGCCATTCTTCTGGTAAACGGGGGTTGAGGGGCAAGAGCTCAAAGCCAGGCTCGAGAAGTATAGTATCCTCGGCCACACGGCCGGAGCTCCGGCCCTCGTGCC	4
wt-112470-112590	2361	AGGGCCTGTTGTCTGGGGGAGGATATGGACACGAGCAGGAAGCTTTGAGTGGCGTCTCCACCAGCTTAAATGCTCGGGGCTGCTGGCAGGCTCCAGTCCAGTCCAGACT	4
wt-112590-112710	2362	GCCCATACCTCGGGCGAGCATCGGGTATCGGGCATATCGGCCCTTGACCGCGTTGAACATGCTGTATGCCTCGCAGCGCGGCCGTGACCCGAGAACCTAAGAAACGCCCTTCAGCAGG	4
wt-112710-112830	2363	ACAGCACCACGCAAGGCTGCCTGGGTGCCGAGACCCGAGTATTATGTACACAGGGCCAAAGTACAGAGGTGGGCTCACCTCTGGTGGGCACAATTCAGCCAGTAAATTTATTTGCC	4
wt-112830-112950	2364	CAATGCTTCGAGCATACTGCCGCCACTAGGCCCCAGGCCCGTGTGTTGAGCTTCTGATGAATCAATACCCTATGTTCCGGTGCAGGCCCTGCCCTTACACCCAGTCCAGGTCAGATGT	4
wt-112950-113070	2365	GCCTACTACCAGAGTACGCGACAGCTTACAGCGCTGCTGCCACCACCCAATCTTGAAGACTCCGAGGCCCTGACGGAATTCAGACCAGCGTGTCTCTGCCGTCGCATCCTTGAGG	4
wt-113070-113190	2366	ACCCCACTTTTGGAGATGAGAGATTTGTCCACAGCTGGCCAGCTTCTGAGTGGTCACTACAAGCACAAGCCCGCCGCTAGAAGCATTCCAGAAACAAGTAGTGTACATCTT	4
wt-113190-113310	2367	TTTATTTCTGATCTCAATCAAATCTTTAGAGATTACAGACACCATGTTTGACATCTTTCAAAGTGTCTTCGGATTGGAAGAAATGACGCTGGAGAAGCTGCACATTTTAAAGCAAAAAG	4
wt-113310-113430	2368	CCAGCGTGTCTTATCCCCAGGCGCCAGCCGCAAGACCTGGATAGTCTGGCCATCATCAGCTCATCTCTCGAATCTCTCAAACGTGCAAATAGGCTACGTGGCTCACCAGAAACATG	4
wt-113430-113550	2369	TGCGCTCGCCGTTTCACTGAATATTGACACCTTGACCAGCTTCGACTCCAAGCGGTAGAGTCAACAAGGAGACCAGCACCATCACGTTTAGGCACAGTGGGAAATCTCCA	4
wt-113550-113670	2370	GCACCGTAATGTGTCCACCTGCTTCAATAAGAAATGAAGACCTGACGTTTCACTACTGGCAATTTGATAGACATAGCCCGCTGTAAGGTCAGAAAATCGCAGCAGGGTCCAAGGTTG	4
wt-113670-113790	2371	TGCTGTACATGGGACCTTTCCATTAGCAAGAACCCTGCAGGACACGTGACATGTCGGGTGCAATTTGGGTGGGTTAAATCTCAGTCCACCACAAGGGGGCATCCTCCGGTTT	4
wt-113790-113910	2372	GAACATCAGACCCAAACAAGCCGATGCCAGTTATGGGTACGTAGTGGTGTTCAGGGCCGTGCATGGCAGCAGACAAGGACAGGTGCCAGATGTGCCTGGGCTATCGTCTCCGTCCA	4
wt-113910-114030	2373	GCCACGCAGGATGTTACAGTGGGCCCGGCCACCATAGCATGTGCACACATCCCCGTTATCATCTGGTTAGCAGGTTGATAAAATGGGTCAAGTGGCAATTTGGGCA	4
wt-114030-114150	2374	GCACATCAGCATGTCCATGTTAACGAAAAACATGTACAGGGCCCTTCTGCATACAGGCACCCCGTCCAGTGGGATGATCTCCGAGGGTGTGATCTTCAGTCTTCTACTGT	4
wt-114150-114270	2375	TTTAAACGGCGGTTGAGGTGGTAAAGACCTGGCCCGTGGTCAAGTCTGTGCAGACTGTGCAGAGTGAACGGTTACCCCTAATCTCCACAGGCACCCCTCACCCACTGCATCTGAGAATACCCAAA	4
wt-114270-114390	2376	GTACATGAGAGTCAAGGCTGTGTGGCCCTGGACTGCCTTAGTGAAGAGAACCTCGGGCCTGGCCACGGTGGCTAGGGTTCCATTGATGTAGACGGTACATAGGTGGGCTTCTTCTGGG	4
wt-114390-114510	2377	CTTCAGCACAATGAGGGTAACATTATGTAGGTTTTAGGAGTCCGGCTATCTGAGGCAGTACACAGCTGACACGGCGGTTGTGGCCGATAGACTTTTATCTGGGGCTGAGAGGCATC	4
wt-114510-114630	2378	GCTCAGCACCAGAGGCACTCCTGTTGAGGAACTTGCAGAGCTGTTCCCGGCTACTGTTCCGGCGGATGCCATGACGTGCCAGAAATATCCCTCTCCTCGGGGGTGGAGTCCCAAT	4
wt-114630-114750	2379	GGCCTTTAATAACAAGCCCGCAGCAGCACAATAATGCTGCCGTCCGATGTGGTGGCCAGTGGACGAGTCCCGTCACTTCCAAGGGCTACTAGTGGGAAGCAGCCCAACCA	4
wt-114750-114870	2380	GCCACCCGGGGGCTGGAGTCGATCACCTTACCACAGGCCAGGCCCTTCCCTATACAGCGGGTGGCTATCTATCCATAGGCAGGCATCCGGCGTCTTTGGTGCATTGGAGATAGTAG	4
wt-114870-114990	2381	CTTTCACCCAACTTTCCCAACTAACCCGTGTCTGGACAGTGAAGAAGCTTCCCTGATCAGGTCTGAATTTTTATAGATACGGGAGTAGGAGTGGGAATAACAACCTGGGATTTCTT	4
wt-114990-115110	2382	GTTGTGCTGTCCAGGCCTGCATGGCCAGTTTTTCCCTGAAGCTAGCAGAAATCTGAGGGCCACTGAAATGAGGAAGCGAAACTCCCTCTCTGGAGTCCCAAAATGAACCTCAGCAA	4
wt-115110-115230	2383	GATCTGTTGCTGGGGAGGCATGGGTGACAGCTGTACCTCTGTGACGTCTGCCCTGGGCACTCAGCTCTGGATATGTGACAACATAGAGAGCGTGGGGGTAAAAATATGAGCAATCCCC	4
wt-115230-115350	2384	TGACCAGGGCCCTGGACTCAGCAATGGCCCGACGGGTCTTAGAGAAAGAACAGGCACCCCTCGAGAGTCCCGCAGCCGACCCACAGTCCGCCAGTCCCTGCTCGGCCTCCGCCG	8
wt-115350-115470	2385	CTTCCCAACCGCGCTGCCCGGATGTTGCTGGGTTCTCGAGGGCTGGGTGCTTGAACACAGAGGTCTCAGCAGCCGCTTGGTCTCGGCCCGCCCTAAGTCTGAGCCCGAGGC	8
wt-115470-115590	2386	AAAGGGCCGACTCCAGCGTGGCCCAACCTCTGCTCCCTCTATTCTCCTCTTGCCTTATCTCCAATAGAATTTGCTTGGAGTACAGTGTGAGGTTGAGGTTGCTGACCTGGGCCGCGGCCA	4
wt-115590-115710	2387	CCGGCATATGCTCTATACCCGCCCTCGGGGGGCCAGGATCTATAGTATGGGTGCATAGCCGAGCAGACTCCTGGACCCAGAGGCTCTCTGATAAGATGCCGCTGGTCCAGAG	4
wt-115710-115830	2388	CCCTTTTGGCCCTTCAAAGAGAGACAGGTAATAAATCTGTAGCTCCCAACAGCCCTCCTTCATCGTAAATGAAAGGGCGGCCACGTGGAAGGGGTTGATAGCTCTGGAAGGCCCT	4
wt-115830-115950	2389	CATCGAGTACACTGGCACACTGGTAAACGTGCCCGATGGCTAGGCCGTCGGGGCAGCATGCCCGAGCAGCAAAACAGCGGCAGACCCTCGTGAAGCCGTCGGTCACTGAAGAGAG	4
wt-115950-116070	2390	TCTGGCACAGGCCCTCGCATTTGGCACGCGATTGGGGCAAAGCTGCCATAACCGGTGTCGGGAACAAATAGGTGCACGAGGAGGGGGTCCCGAGGCCACTCAACACTTGGTTGT	4
wt-116070-116190	2391	CAATGTGGACATCCATAGCTCTCATGCGTTTGGCTACAGCATATAGCGCTTGTCTGGTGGATTAAATAACAGGGCCCGTAGACAGTCTTTTGTGAGTAAATAGAGATGATGAC	4
wt-116190-116310	2392	ATGGATGTAGAGACTGAGGACCACATCCACCACCTTCTCGGAGGAGGCCCTAAACAGCATCAGGCAGCAAGGAAACACAAGGAAACAGGGCCGGATGTGAGGCCTCAGGCCCC	4
wt-116310-116430	2393	CTCCTGATCAAAGAGGGCTCGCTGACCCCGAGATGACATTTCTATTAGAAAAGTGTGATAGAGGTGATTGACCACAGTCTTAAACCAGGCCCTGGACTTGTTCAGGCTCCCACTTGTCT	4
wt-116430-116550	2394	CCGCTGGCTGTGTGCTTGTCCGATCTCGGTCCAGGGCTCAGCGCCGCTGGAATGCGGCCCTATGATGTGCTGTAAGGGCGCACACCACTCCCTATGGGTCTCAATCAGGGT	4
wt-116550-116670	2395	GCACCTCGTGGATCCATACATAGCTGTGACTCGCCACAGCCCCAGCAGGCAAAACAGGAGCCACTGCTCAGTTAACGGGAGATGGAACCTCAGCTTACTATACGACACAGTGGCGG	4
wt-116670-116790	2397	ACCTCCTGCTCAAAGAGACCTCCACCCGACGTAGACGCGGGCCACCGTCCGGGAAAGGTCAGTGGGGTCCAGCTCAGCAATTTCCAAATTTCTCTCCCAATAGTGCCTCGCTTC	4
wt-116790-117030	2398	TTATCCTGCTTTTACAGACATCCGGGGCAGACATTTACCTCTTGTGTTGTGGACGAGGCTAACTTTATCAAGAAGGAGGCCCTGCCGGCATCCTGGGCTTTATGCTCAGAAGGATGC	4
wt-117030-117150	2399	CAAGATTATCTTATCTCGTCTGTAACCTCGGCTGACCAGGCCACAGCTTTCTTTAAGCTGAAGGATGCTCAGGAGCGGCTGTAACGTGTAAGTTATGTGTGTCAGGAGCATCG	4

wt-117150-117270	2400	GCAAGATTTTGACATGCAGGACAGCATGGTCTCATGCCCTGCTTTGCGCTGCACATCCCGTCTACATACCATGGACAGCAACATCCGAGCAACCACCAACCTCTTTCTGGACGGGGC	4
wt-117270-117390	2401	CTTTAGCACCGAGCTGATGGGTGACACCTCCTCGCTGAGCCAGGGTAGCCCTGAGCCGACTGTGCGTGACGATGCCATCAACCAGCTGGAGCTCTGCCGGTTGACACCCTCAACCCCG	4
wt-117390-117510	2402	AGTAGCCGGACGCTAGCCTCCTCCTCTACGTGTACGTTGATCCGGCTATACCAACAACACATCCGCATCAGGCACCGGAATCGCCGCCGTGACTCAGCAGGGCGGACCCTAACAG	4
wt-117510-117630	2403	GGTCATCGTCCGGCCTGGAACACTTCTCCTCAAGGACCTAACAGGGGACGCTGCCCTCCAGATCGCCACCTCGCTCGTGGCCCTCGTCTCCTCGATCGTCACCTGCACCCCACTT	4
wt-117630-117750	2404	GGAGGAGGTGAAGGTAGCCGTGGAGGCCAACAGCAGCAGTCCAGACTCTCGGGTGGCCATGGCTCAATCATTTGGGAAATCCTGCCCCCTCCCTGCGCTTCTGTCACCAAGGACAAAGAC	4
wt-117750-117870	2405	GTCCAGCTGCAGTGGCCATGACTCTGACTAATGAGAAGTCAAGGCCCTTTGAGAGGCTCATCTACGCAGTGAACACGGCCAGCCTTTCTGCCAGTCAGTCCAGCTTCCAACAC	4
wt-117870-117990	2406	CATCCAGCTCCTCTCGATCCGGTCTCTATCTCATCTGCAAGTCCAGGCTCAAGGCCATCAAGCCCTCTCCGGGAGTGTGTTGGTGTCTACACCTACACCCGCAAGCAGCCCACTCTCTCACGA	4
wt-117990-118110	2407	CGTGTGGTTGCGCTAGTCATGGCTCATTCTCGCAACAACACAGAACACAGCTTCAAGAAAGTTCATTAACCTTTATTGACTACACCAGTCCCTGTAAAGCGACGGGTCTCGCGTG	4
wt-118110-118230	2408	ACGGCATTCTGAGCAGGGCTTCGTCCAGGGGCTTGTCTTGGCGGACATCATAGCCAGCCGCAAAATAGCAATAGCATCAGAAAAGTGAGCCCCACAAACACCAGTGTCCAGAGA	4
wt-118230-118350	2409	GGAAGACCCTAAGATAAAGATGGCTGCCTCTCATCTGGAACGGTGGGAAGCTCAGCAGTTGTTTTGTGGCATTGGACGTCCTTTGGAGGACAGCGTGGGGGCCAAGGTGGTAGCGTTG	4
wt-118350-118470	2410	GTAATACGGGTAGTAGCACTGGTGGTGGAGGAGCCTGGTGGTACATGCTAGTACACCCGTTGAGGTTCTGTTCCGGCTCGTGGCAGTGTCTGTGTCAGTAACTTAGTG	4
wt-118470-118590	2411	GTGACATTGATGGTGGATCGTGGAAAGTGTGGGACTGGTGCAGGCTCAAGGCTTCCAGTGAATGTACCCTGGAGTGTGTTGGTGTCTAGAAATAGCAGTTGGTTATAGGGCCGCTAGTC	4
wt-118590-118710	2412	GTGGTCAAGGTCGTAGACTGGTTTGTGCTAGGACCCGATGCCGACGGTGTGGTGTAGTACAGCCGTTGTGCCTGTCACGTTCCCGCCGAGGCCGTCGAACTGCCACTAGATGTCCAA	4
wt-118710-118830	2413	ATAAGGCTGTCTCACAGATGAGTATCATGGCCATAACAGCCCTGCCTTGTCTCTGGCGTGTGCCATCGCGTCTGGACGAGAAGGCTCCCGCCCTTTTATAGTGTCTCCACAC	4
wt-118830-118950	2414	CCAATACTCTACTGAACCATCACATACATGACCTCCTCGAGGTATGACAGGGAATGAGCGGTCCGTGAGCCGGTCAACACGACATTGCTCCGTTTATGCTCCAGCTGCCCTGACCAG	4
wt-118950-119070	2415	TTAGGACCCCTGACGGATGCTTTAACGGCCGCGTGCAGTTGGTCAACAATGACGGCCCTAAAGGCCAACACATCCTGAAGCAGGGCGTAGGAATGGTACCAACTCGGGGCCACCCCA	4
wt-119070-119190	2416	TCAAAGACATAAATATGCTCATAGTGGCAGTGATGATGCATCACCACACAGCAGTCCGACAGCCCTCTGCATATCTTTGACAAAGCCGCTTCAACTCGGCCACTGGCTCTGGTACG	4
wt-119190-119310	2417	TTAAATGCTCTGTTCTATTAGTACAGCCTGTAGATTGGGCACCCAGACTCAAAAAGTGCAGCTACATGAAGGGCAGCCGCTCAAATCCACCATGACCCCATGGCTGTCCGTGTTG	4
wt-119310-119430	2418	TTGGGTAATAAGTCACATTGTAATGACCACGGCCGGGATAAGGGTGAACCTTGCAGAATGGATTGGTCGGACACCATAAGACAGGGGCACCCCAAAATACGCCCCCTTACCCTCGA	4
wt-119430-119550	2419	AGCACCTTGGCCCCACCAGGCATAAAGCTGGGCAAAAAGAGTGGGTTAAACCAAAAGGCGAGTAGGGCCAGGAACGCCAAATAGCAGCAGTAATAGATGAAAACAAAGCTCAGCATGAAA	4
wt-119550-119670	2420	CAGCGTGGAGGCTCAGTAGGGTCTCGCTCTCCATCATAGACATCTTCTTGAATCTCATTCTCTCACCAGTACCTCGCTCTCATCAGGAGGGGGCCATGGCTGCCATTCTACCA	4
wt-119670-119790	2421	GTTAACGAGGAGAGAGAGTAGTCCGCGGAAATTTGGTCCCATCTGCCCTGACGAGGCCAGTGGTGCATCCATCTCCGCGCTCCGTTCTTACGCTTTGGCATTGGTCGGGTC	4
wt-119790-119910	2422	CGGGTGGTCTGATTTGATTCTGATCCTGGTATTGGTCTTGGTCTCTCTCCCCATTGGCATGGATTGGCATAGTGGGTGGTCTCAGGCTCAGGTTCCGGCCCTGGGACGGCAGCA	4
wt-119910-120030	2423	GCCGCCGGACGGTGAAGTCTGGAAGGTAGAGGCCCTGCCCTCCGAGGTCGTGGGGCCGAGCCTTATAAAGACTTCCACCCTCTCCCGCTGGCAAGACACGCCCTCGTGGACC	8
wt-120030-120150	2424	ACGCCATCTCTCCCGCTGATTGTGTGGCTGACGGTGGCCGTGTCCACCGCCACTTGTTCATCGACCATGGTACCCCTTTATCTTAACCAGCAAGTGGCCGTGAGGGTCTCTTGAGA	4
wt-120150-120270	2425	GTATGCCGCTGTGGCAAGCGAGGCCCAAAATTAATAGTGTGCAAAAGACTGTAGGTAGGTATCATCACAGCATCGTGTATAATCATCCGCCACTGACAGGTATCCAGGCTCAT	4
wt-120270-120390	2426	CCGGGCTATCTATCCGGCACCATTCTCTGGAAGAGATTCAAGAGGTGCTGATGCTCATGCCGATAAGGCTCGACCAGGCGCATACTGCCCTGGGACGAGGGTACCATTGATGCA	4
wt-120390-120510	2427	AAAGTAGAGACTCAGATTGTCCAGCAGGGCCAAGCCAAAGGGCCCTGGCACCTCCGGGAGGCCCAACTCGTAGTGTGTCGACCCAGGATGAAAACAGAGCCAAAGTGCATGTATACAG	4
wt-120510-120630	2428	CATGTCTCGTTCCTCCGGAGCCTGCATGACAACCCGGGAGTACAGTTAAACAGGAGAATCTTCTGCAGCACCTCTCTGCTATGGGCGTAGGCAGCACCATGGGAAAACAAATGTCCAC	4
wt-120630-120750	2429	ATCATTGGACTCTAACTTACCGTGGATGCTCTCGTCCAAATACCGGGGCATAACACTGAGGCTCCCGTCCCATGCCACTGGAAAAGGGGCTGGTACTTGTCTTAATGGCGTAGGT	4
wt-120750-120870	2430	CTGACCTGGAACAATCTTGGTGTAGTATCAAACCTGCCACGCTAACCTCATCCAGCACGGCCAGGGTCAATCAGACAGGTAGTTGTACATGGACACGTAGTCCGGGACCGTCTTAGAGA	4
wt-120870-120990	2431	GTACACCTGACCCAAGCCAACTCCCTGCACATCTCGTCCGCTGAGTGGAAAGCCAGGGTAAGATGCAGCCAATCTCTGTGTCATCTGGCAATCTCATGGTATACAGACGAGGAGA	4
wt-120990-121110	2432	GAGAGACTACCACTTTCAAATCCATCTTTATTGACAATTAACAAAACACCTTATTTCCAACTTTAATATTCTTCCGACCCGCCCACTCTTCAAATATATAGTCCGTAATG	4
wt-121110-121230	2433	GATGGGGCGTGGTCTGTTTGACAGACATAAACTCATCGATGAGTGCCTGGGAGGAGGCTGAGAGTGGGGGAATGCCTCCTGCAGAAAAGTGCAGGGCTGCTCCAGAAAACAGTCACT	4
wt-121230-121350	2434	GCCAGCAATCACTACAACTGCACCTCTGTGTTGCTGGTGGCTGGTGGCCCTCAAGTCCGCTGGCTGACTCGTTGACCATGTTGTAGAGTCCCTGTTGTTGGCAGAAAGCTCCTCCTT	4
wt-121350-121470	2435	GTTGAAAATGCCCGCAGGGGCTGTAGAGGCCGGGACGGCCCTGTGGCGATAGGAGGAGTTGTACATGATGCACCCAGAGAACCAGCTGAGATGCCAGGGATTACAGTCTCCG	4
wt-121470-121590	2436	GTATTATAGCCGCATCCGGGCGAAGTGGTATAGATGAGCCCTCGGCAACCTCTGATTGTAGTTTTCACAGGAGACCACAGGCGCCCGTCCCTTGGAGAGTTGGACTTTTG	4
wt-121590-121710	2437	AAAATAAGCCACGCTCGCCGTGACCGGTGTTACGATAATCTCACAGGTGGCCTGCTGGCCGTGGCAGAGTCCGAGTCCATTAACATTAGTCATACCTGCCAGGTATGCTCCGGGTC	4
wt-121710-121830	2438	CCGAAGCAGCGTCCCATTGCGCTGAGCGCCACCTTGGCCTGATGTAGTCACTTGTCTGGTGGCAAAGGCCCTCGCCGGAAGACGCTAAAGAAGTCTGGGTGTGGATACCCAT	4
wt-121830-121950	2439	GTCAGTAGTATGGCCGCCACCTGGCCGGAGTCATGGTGGAGTATAACTAAGCCGGTGTGATGAGGCCATCTCGTATGCACCTCAAAGTACCAGCTCCACCTGGCCTCCCG	4
wt-121950-122070	2440	GCGGCTAACATTTGGGGTCCCAATGAACATGGATGTTGAGGCCCTGGAGCTAAACAATATGTTTTACAGAGGATCTCATCGTCCGACACGCTCATGGCCACCCCTGGGTGGATCTT	4
wt-122070-122190	2441	GAGCTTGGCCTGGGCAATATAGGCCATGGGGACATCTTGATGTGCATGGCGGTCACTTCACTGATTGAAACGAGGGGAAGGACATTCGGCCCGTATTTGCCCATGGGCGAGCGGTG	4
wt-122190-122310	2442	CCACTCCCGTACTCGCAAAGAGCTGCTTGGCCGGTTGAAGGCTTCCAGGCCCGCTGCTGAGGATTGCGCATAACAAGGTGGAACAATCCTGGTGCATGGTGGCAGCCACTCGCGG	4
wt-122310-122430	2443	GTCCCGTAAAACATATGAAAAGGAATGGCGTAAAAGAGACACTGGGTGACGGCCCGGTCCTCTCGGAGAAGGCAAAAGGCCACAGCCCGTTACCAAAAACAGTCTGCTCTGCCGCTT	4
wt-122430-122550	2444	GTCGGCGGATTCCGGGCCAGCTGCTCGCTAACGTCATTGTCCACCACACACGACGACGCGGCGGTAAGTGGGGCAGGTCATGAATGAGGCGCTGAGTCCCTGATCATGCCACGGT	4
wt-122550-122670	2445	GGGGCGGAGTCCGAGATCTCCAGCAGATCCCTGACGCTCCATTCTCCAAATTTGTCAGGATGTCTCGTCCCTGGTAAAATGGTGGCTGAAGGCTGGCCGTTGATAGGCCAGGGTCTG	4
wt-122670-122790	2446	GGCCACGCTGAAAGTCCACCCGAGCCGACATGGGGCATTGGTGCAGGTTGGGAGGAAAACAGTAGTAAAGATCTTTCCAGCACATCCGCATGCCCTCATCTACATAAGGGCC	4
wt-122790-122910	2447	TAGGTGCAGAGGAAATCGTGGTCTCCGTTAACCCTGACCGTACAAGGCCACAAATGGGCAGCATCTCATCATGTTTCCAACCTCAATAAACTGGGCGCGGCCAG	4
wt-122910-123030	2448	GGTGTACGCTAAACCTCATTTCGATAAATACTGGGGGCCGGTCACTAACGGTGAAGAAGTGGGTGAAATGTCTGTGAGGCCACCGGGGGAGCAGGTTAGGGTCCAGGAGAC	4
wt-123030-123150	2449	GCAGACATACTGACCCACGCTCTCATCCCCACAACATCTGACCCGGCCAGGCGCATCAGGGCTGCTCTAGGGCTATAAGTCCCCATAGATTTTTCTATACATGGAATAGGCCTCCTT	4
wt-123150-123270	2450	GGAGATGGCGTATTTCCAGGTGGCGGAGATGAACCTTGATCATGAAAAGCTGTTCAAAAGGCCAAGCCTCCCTGACCGTCCCAGTAGGTGTGATGCACAGGGACACAAAGGCAC	4

wt-123270-123390	2451	GTTATGACAAACCTTTTCTCAAACCCGTTGGATCATAGCTCGACTACGTAGAAAGAGGCTGGATAGGCAGTGTATAGGCAGTATCCTGCACAGTCTCAATAACGGCCTGATCCACCAC	4
wt-123390-123510	2452	GTGGGCCAGAGATGTGGCGGTCTCAAACCTGCTGCCCGGGCCCTTTGGAATGCAGCTGGGGCCAGGGAGTCGGCAGGTTACCCACCATTAGCCGGTGCACAGCCCTGTGCCCTGGCCCT	8
wt-123510-123630	2453	CTCCCGGCATCCCTGCCAATGTAAATATCATAAAGGGGGTGCAGCTCCAGCCGCAGCAGGTATAAATGGACGGGTGGAGGAAGTCTTCGGTGGGCAGCCCGCACTTGAGAGCTATATC	4
wt-123630-123750	2454	TGTACAGGGGGCTGCATACCTGTTATCATAGAACCTCCACAAATAACAAAGCACATTTCATGTATTGGGCCCTCTGTGTTGCAGGGAGTAGGTTCTCGCCGCTGTCTCGCGGGCCGGGGC	4
wt-123750-123870	2455	CGCGTTGAGGCTGTTTAGGGTATGGCGGGGTGTGGAGTCCGGGGTGACAGAGAACCCTTGAGAGCATCTGTAGGTTAAACGCGAGGAGAAGGTTATTCTTGTTTACGATCCCATGCCCT	4
wt-123870-123990	2456	CACCGTAGCTGCTGTGGGGTGTCCAGCATTTTGTAGCGCGGGAGCTGTACTTGGATTGGCCATAAACAGGCCCACTGGGAATAGTAGCTACTGCATCTCTGTGTAG	4
wt-123990-124110	2457	GGGGTATGGGGACTGAGTGTCACTTTTGCAGGCTTTCCAGGCTTCCAGCCAGCCGCGTGGTTCGCCAGCTTGTATGACGGCGGCTGAGATCGGCACCCGGGGCTGATCCTCGACCCCTGC	4
wt-124110-124230	2458	GGCCACAGCCGGCAGGTGAGACTTGGTGTCTCCGGCTTTTCCGGTGAGTCCACGATCTAGCCATGAAATGCTCAAACGTACGCATCACGGCCCGTAGCTCACGGCAGTGACCAGGTT	4
wt-124230-124350	2459	CTCCCGCGTACCACAAAAGAGCATAGCTCGAGGGCCCATTAATCTGGTGTGCGCCCTCTCACCCAGGAAGGTCAAGAGCTGGCGCAGAACGTTGTCCGGTGCATAAAACCCCGCC	4
wt-124350-124470	2460	CACTGGCTCTCCCGCTTGGCGGTGCTGTAGTACTGACCCCTTGAGCAGCTCTCCCGGACACGGCCGCTACCATCTCAGAGAGACGGCTTCGCACGACTGAGAAAACCCGGAGCC	4
wt-124470-124590	2461	CATGTTCTCGCCCGGTCCAGGAAGAAGGAGTGTCCAGCAGATGCCTTTGAACATGGCAATGAGGTGACAGTTCGAGAGTTCGGAGAACCCTCTCAGTGAAGGTGGGATCCCGCAG	4
wt-124590-124710	2462	GGTCTGACAGATAAACATGGGAGGGCATGGCGAAGCTTCCACTCAGGACGGTGAATGAGGCCCTTCCAGGGCATCGACCCAAACTGTAGGGCCGAGGCCACGCTTTCGACAGC	4
wt-124710-124830	2463	CCCCAGTACTCTCGCTACTCGACCGGGGTCTCGGGGACTATGACGAGTCTCCAGATCCAGCATGGACAGTTCCTATTCCGTAATAATGTTGGTGTGTTGGCAATTTTGACCACAAT	4
wt-124830-124950	2464	GAATGTCCGCTGCTTGTGGTCTCCTTCGTCGCCCGTGGAGCAATGGTGGGACGGAGATTGAAATGAATCTTGCATCCGTCATACGACTCAGGCTTTGAAATCCGTGTTACACA	4
wt-124950-125070	2465	GGACACGGCCAGTGCCGCTCCAGGAAGCGAACAATTTGGATGGCGTTCGTGTAGACCCCGAGTAGCACCTCAAACCTTGATGCCCGCCTCTCGGCATCCTTCCACCAGCAGGTCAAA	4
wt-125070-125190	2466	GCTATGAACAACCCCTCAGCCGCTGACTGCCGCGAGTTCGAGAGCAGGTCCGCATCCACCGTCAGATAGGGGAAGGGTCTGTTTCCACACCCTCATTTGAGGCCATGACACAAGGTAA	4
wt-125190-125310	2467	GAGGGAGATGGGGGAGGTCTCGAGGGCTCTCTTACAGCTGGGTCTTTTTACGCCCTGGCCGCAACCCGAGCCACCCACACTTCCGAGGATGCTACCCTCTAATCAAAATGGTT	4
wt-125310-125430	2468	GGACACGGCCCTGGCAGGGAGGCCACCTTTACGCGTGTGGGCTATGCGTGGCTTCTACTCGCGTATCCGAATGAATGACTGCCAGGAGCTGCCACCCGGTTAATAAATCTGAG	4
wt-125430-125550	2469	TCCGGCACCGTCCCTGGCCCTTGGAGTCCAGAGTCTGGAGCATACAGACTGCGAAATATGGTCTCTGCCACCCTGACCACGCTGCCACCTCCCGGTGCCAGGGTCATCACATA	4
wt-125550-125670	2470	CACCGACTGCCCGGTTCCATAAACACAGCTCAATGTTTCGCCTTATCATCCGCTACTTGTCTCATCAACAATTTGAGCGCTGCTTCGAGCAGTTCGCGCGTGGTCCCGCGTGGCT	4
wt-125670-125790	2471	CCTAGGGACCTGAAGCGAAACTGCAAAAGATGCTGGCTCATCTGAATCAGGTTACCAGGATCCCCCTGTCCGCCCTTCCAGCGGGGGGAGCCAGACTCAAGTCCACTTCTTCTC	4
wt-125790-125910	2472	CTGGAGCAGTTCATGCTGTATGCGCAAACTGCCACTCCGGGAGATTGAGCAGAGGGGCGCCCAACTGACCCACCACCACATCTGATGGTACTCTGTACCAGCCCTTCC	4
wt-125910-126030	2473	GCAGACCCATTCTGACACCGCAGCGGTGCTCTATACCGCTTCTGACCTGTTGCAACTGCACCTGCCCAATATCTCCATCCAGCAGTGAAGGCCGGGACAGACCAGGGGACCTGGA	4
wt-126030-126150	2474	GATCATTCTACAGAGTAACGGCGGAGGGAGCCCGCAGCTTCCAGTCCCCTCTCCCAACTGGCTCCCTATTGGATGCATAGTGTGCTGCTCCCTGCTGCCGGAGGTGCTCGTGGG	4
wt-126150-126270	2475	GCACCAGGAGCTGCTCCGCTCGGCTCCAGAAAGCCAGGGAGGGCAGACGGATGTGAGTCCGGCCCGGACCCGCGGAGACTGGTGGCCCTCTCGCAAGGGGAAGATGGGGCACCTAA	8
wt-126270-126390	2476	AGACCCCTCTGGGACCGTTTGGACACCCCGGGGGCCCGCCGGCCAAAGAGCGAAGACGAGGAGTGTGAGCGTCCGACGCGCCCTCCACCCCGCTCGATCCAGTCCAAAGCTTC	8
wt-126390-126510	2477	CCGGTTGGTCCCGTGGGGCTGGGTTTCGCTGCTGTTCAACACCAATCGGGTGATCAACTAAATGGTGTGCTCAGAGCCCTGGTGAAGATCGAGTTTGAATGTCCCGCC	4
wt-126510-126630	2478	CCTCATCAACAATTTGTAGCCCGCAAGTACGTGGTGAAGAGACGGCGTTCCACCCTGATCTATTTACGACGAGGGTGGGGCCCAACTAGCCATCAATGTCAATATCAGTGGCAC	4
wt-126630-126750	2479	CTATCTGAGCTTCTATTGGCCATGACGTACTGCGGTGCTTCTGCTGTGGAGGCTATTTATCCCGCGCGGTGTCAAACCTGGAAGTCTGACTCTAGATCTCCATGGGCTGGAAAAATCA	4
wt-126750-126870	2480	GAGCCTAGTACAGAGAGAACCGAAGCGGGTCTTTTGGACTACCAACTTCCCTCGGTGGTGTCTGCCGGGAGCGTCTCAACGTGTCTGGTTAAGGCCGCAACTGCCACCATATCTCG	4
wt-126870-126990	2481	AGTGCACGGGCAGACATTGGAGCAGCACCTGATCCGTGAAATCACCCCATCGTGACGCATCGAGAGGCAAAAATCTCCCGGATTA AAAACCCGGCTTTTACCCTGCTAGAGCTACGCAA	4
wt-126990-127110	2482	TCGGAGTCAGATCAAGTGTGCACAAGCTTTCTGGAAGGCTGCTAGACTGCGCTCCCTCTGCGCTGGATCCAGCTGTATCAACCGAATCGCTCCGAGGGCTGTTTGATT	4
wt-127110-127230	2483	CTCCAAGAGAAGCATCGCCCACTCCAAAAACCGACAGAGTGCAGGCTTTCGGTCCAGACATTCGGCGAACGTGACAAAAGCTGGTGAAGCAGCGCAAGACCCGCTGGACATACT	4
wt-127230-127350	2484	GGCCGTAACGCTAATTTTAAACGAGGTGAAGCATCAGGTTAATCTAAGACAGTCACTATTTCTGACCCTCTGAGGCACATCCGCCGACGCTGGGGCTGGGCGTGTCTCCGT	4
wt-127350-127470	2485	AAAACGAGAGATTACCCTTCTCCTGGCCACCTCGCGAAAAGACAGCCCATCCACTGCGGTGATGCTCAAGTGAAGCAGCCCGGGCCCGCTTATTACGGGGCGGTGCACCTGC	4
wt-127470-127590	2486	CATCGGGACAGATTGCTTCCACACCATCCACAGCCCACTTTGCCCTCGCGCTGGGACTGCCTGGGGAAAATGTACCCATCCCGGCCCTTCCGTGCTCGGGCTCAACGCTCCGTG	4
wt-127590-127710	2487	AGAGCCTACCCATGACCAACATGAGGGCACCAGTATCTCGCTGGCTCGCTCATCTTCCGCCCCAACCCCTATATCTAGAGGGACAGCTGACGGTGGCATGACACAGGACAACGGCA	4
wt-127710-127830	2488	TTCCCGTGTCTTTTGGCAGGCTGTCAATGAGGTA AAAAGCGGGCGCTGAGTCCCAACATTAAGCCTCTCGCAACTATGATAGCAGAAGACTCCTGCCTGAATCAGATCGCCCTTTT	4
wt-127830-127950	2489	CCGCATCAGAGCACCCGCTTCTCCATGTTGAGTCCGTA AAAACGAGTCCGGGTGATGAGGGAGCAAAACCCGGCGCACCATCCGGGATATTCTGGAGATCCCGGTGACTGTGCTCT	4
wt-127950-128070	2490	CATCCTGCAACTGTCTCCACCAAGTCCATCTGAAAAAGGCACCGGAGCCCGACCTCGGGAGCCCAAGCCACTTCGATGCCACCCCTATGCCGCATCTTTACGACATCGGGC	4
wt-128070-128190	2491	GACAGGTGCCAAGCTGGGCAATGCCCGCGCGCAGGTGAGCAACGTGCTCATCGCAACCGCTCCCAACTCTCAAGGCTGGTGCCTAATCCGGACTGCTGCTCTCCAGATT	4
wt-128190-128310	2492	TGTACCTCAAGCAGTGTGCTAAAGAGTCTGAATCTGGAGAATAAGTGCAGGACTTTGAGGCCATTTCACTCCCGCTGTATACCATCAGTGGGCTGAAACCAAGGCCTTTGAGA	4
wt-128310-128430	2493	AGCTGGTGAGCAAGCCAAAAACCGTAGAGAACAATGCTTTTGCCTCAACAGCATCTGTTCCACTCTACACTCCAGATGCTGTCCCGGATGTCAATAACCCAAACATTAGCCTGG	4
wt-128430-128550	2494	CTCTAGAGAAGTATTTCTCATGTTCCCTCCCTCAGGCACCATATGAGAAATGTCAGATTGCGCACCCCATCGTCCGGCTTGTGCAAGGGGCTGAGCTTGGCACCATGGCACAGT	4
wt-128550-128670	2495	TTCTAGGAAAGTACATCAAGGTCAAGAGGAAACTGGAATGTACACTGGTCAAGCTTTATTACCTGCTGCGCATCAAAGGAAAAACATAACAATCTTGTGAACGAGAAAGATACCCA	4
wt-128670-128790	2496	GAGCAAAAGCAATAAAGTACAGGATTATTGCCAAAAACAGTGTGCTTTTCTCATACAGGCCCGCAATTTCCATGACAGTCCCGTGGTGGTTCAGCAGCAGATAGTGAACGTGGAGGT	4
wt-128790-128910	2497	TGTCAAATCAAAGTAGTTGGAGCTCAAGTAGGAGTTTGGACTTCTGGGAGGTGATGAGTGTGATTTCAGGCCCTTCTTTTCATCATAACTGAGCAGGGCAAGGCCAAAAAA	4
wt-128910-129030	2498	TGCAGGATTTCTGCGCTGCTGAAATTTGAACTTTGGAATCTGGCGGGCTCCCGACAGCACCTGCGAACAATTTATTCAATTAACGGGGGAGAGAAAGAGAGACTGCTGA	4
wt-129030-129150	2499	GATAGGTGGTGTGCTGCGCTGTATAGCCCGAGCTCGGACCTCAGCTACTAGAGATTAGAATGTACATTGATGAGCGGATAATCATCAGAACCTTTGTCGAGCTGTCCAGCTT	4
wt-129150-129270	2500	TGTAGCGGGGAGATGCCACGCATCCCTGTCTTCTCGTCCAAAGAGACCGCCCAAGAAACCCATCCACAGCATTGAAACGGCCGCTGGTCCAGGCTTGCCTCTGGGGGCCATGC	4
wt-129270-129390	2501	TCAGCAGCTTGTCTGTGAGGTCAAATCGTAGGCTGAGGTAGCACGGTGAAGAAGCCGCTCTGTGCCAGGGCTAGCCCGCAAAAACCTCCCAATCTTAGGGCCGAGCACA	4

wt-129390-129510	2502	GGGCGGTGGACAGCAGTTGGTATAGGGCAAGTGGGCCCCGGGTAGTACAGTTACAGCCCAACTCGCGTAGCACCAGTGGCTGCCGATAAACAGGGTCTCTCATCACGGTATGCA	4
wt-129510-129630	2503	GGGGCTGGA AAAAGGGGGTGGCGTTGTAGGCCGAGAGAAGCACAGATGTGGCGCCTCCAATGAGCCACTGTAAACCCCGGCCTTGGGGTAGCCGACGGTGGCTAACCTCAGCCGCTACT	4
wt-129630-129750	2504	CCTGTTTCTCAGTAGTCAGGTGACCCAGCTCCTCCATCTTGACCGTGGCCATCAGCATGGCGGCCAAGCGCTCCAGCCCGTAGGATTGCATGCCCTTGACAGTGGCCCAATAACATATGC	4
wt-129750-129870	2505	CGATGATGCTTTT CAGGACAGCTACGCTCAAGAAGAGCTCTTGGCCAAACCAGCGGAGGTCCACGCGACCCATTGCCAGTCTCACCCACAGCATGACCCACCTTAAAGAAGGCCACAGAAACCT	4
wt-129870-129990	2506	CAAACATGGTAGTCAGCGTTTCCGTGTCCAGTTCGGGCTCCCGGACGCTCCCTTCACTCCAGCAGGACCCAGTTTCTGGAGAACGTAGCGAGCGTAGCTGGCGGCTGTATGGTGCACGG	4
wt-129990-130110	2507	CTCGGAAAACATATCCTT CAGTGTGGTACAAGTAGTTGTGAAAGTTGGCATAATGCACAAAGGTTGTAACAATCACCAGGGAATAGTCCCGCTTGGCAGCTGTTGAAGTAGGGT	4
wt-130110-130230	2508	AACTAAAGGCCCTCAGATCCGGCAGGCTCTCGTCTTGCCTGCTTGCCTGCTTGCCTGCTTGCCTGCTTGCCTGCTTGCCTGCTTGCCTGCTTGCCTGCTTGCCTGCTTGCCTGCTTGCCTGCT	4
wt-130230-130350	2509	TGGCCCCCGTGTACTGAAACTGTCCCGTGTGATGGACAGGGCCACATAAGACAAGTGACAGCGCAGCTGATAAAAAGACATAGCTGTGTGGCCCGTGTGGGCAGCATGGTGCCAAATAT	4
wt-130350-130470	2510	AGTAGAAGAGCTGCTTCTCAAGGGGGGCACTAAGCATGCAGGCGAGGGGAATTGAGCCCGCTAATGACTCCGGGATGGACCTTAGATGCATCCACTTGCATGGATCCTCAGAGACAGCAG	4
wt-130470-130590	2511	GGATATCGACAGGCTCGGCCAGCGCAATACCAAGGGTACCAGACGCTTTGTAATAA TACTTGTAGCGGTTAAGCATAGACGCCAAATCTTCGGTGACATTTGCCCTCTCCACAGCGCCT	4
wt-130590-130710	2512	CTGGGCTAAGGCTGGGACCTTGCATCAGTTCGGTCCATGGATGGTGTATGCGAAGCATGCCCTCTATGTCCAGGTGCAGCTTAACCTCGTGAGGCTGGCAGCCCACTCC	4
wt-130710-130830	2513	ATAGCAACACCAGGCAAAAACACAGAGCAACTGCTCTAGTCCCGATTCCCTCTCAAAATCAGATATCCCTTCTCAGACCAGCCCAATCGAAAAACTGAGATCGTATTGCCGGA	4
wt-130830-130950	2514	TTCTTCAATGCCTGCATGTAATCTCCGTCACAGTCCAGGTAATCGTCTGAAACTCTGAGAGGTCACAAAGCACAAACTGAAGGTAGGCTAGCGTTCGGGTGAACGCAAGCAAACT	4
wt-130950-131070	2515	TCCAACAACACCGGCTCGGCTCGGAAAGGCTGTATGACTTCCCTAAGTACACTAAAGATGCTGTTCTTATACAGCTTCTCGGCCACACCCTTCAATATGGGGGTGGCTTTGATGA	4
wt-131070-131190	2516	CATACTGTCGTGATTGTTGTAGACCGGCACATACCTTCAACATGCTCCTGGGGGCAAAATACTGTGTTAGGAGCCAGGCACAGTAAACGGCGTGATATGCATCGTTGACACTCTTCAGG	4
wt-131190-131310	2517	TAGCCAGCATCCAGTCTGACTCATGTTTCTCCCTCGCTTCTTACGGCGGCGCATGTTCTCTCCACGTTTAACTTATCCAGACTATGGTGTCCCGGGTCTGGGTAAACGTGGCC	4
wt-131310-131430	2518	AAAACCTTGAATAAAGTCACTATAGGAGAGAGAGCTGGCTCCGGAGCAGCATTAGAGGGAAAACACGGAGCCGACAGCAAAATGGCGATCATGCAAAATCCAACAACTCAGGGGCGCGACT	4
wt-131430-131550	2519	GACCTGGCACCAGACTCGGTAACCAGCAAGCTCCGCTTCTAGAGGCCAAGACTCTGAAAGGGTGGTAAATTTTCACTGGCATGCTAAAACCTCAGCCGACGTGCTTCCCTTCCATGC	4
wt-131550-131670	2520	CTCGCCGAGTACATTCTTGTGCATGGCTTAAATGGCATTTTCATACACATGAGTCCAGTACCAGCATCGGTTACAGGACTACAATGGTCCAGTCCCAAGACAGCCCTCAAAATGATTC	4
wt-131670-131790	2521	AGCATAGTAGTCTTCCACACACAGGGGCACTTCCAAAAATAGGGAACAGGCGAGGTTGATTA CTGGTACATGATTTGTTAGGTTGGTCAAAATGGAACCCCGCATGCTCTCTCCCT	4
wt-131790-131910	2522	TGAGCCTTGGCCTGGCGGGTGTCTTGGGCATCATCCAGATT CAGAACAATTCATCACACTCCCACTTAGCCGCTTCACTGGGCGAGCATGCTGGATAACTTACTAAACTCGCGCCCATGG	4
wt-131910-132030	2523	CGCGCCAGGTGTTGGAAGAGACCGAAGGCTTACCCTTGGCCACTTCTTTGTTTAAAGCCGGAATGAGAAGAGGGGCTCGGGAATTAGACTCTCAGACTCAGACTCAGACTCAGATTG	4
wt-132030-132150	2524	TCATCGAGCCCAAGGCCGCGCAGGCCCTCTCAAAGCCCTTCTGTTACATGAAGTCCGGCTCGTGGAGTCCGCACCTCCTTCTGTGCACGAATTTTTCGGAACCCAGGAGAGGGGTCT	4
wt-132150-132270	2525	GGCGTCTGCTGGGGCCACTCCCGCTACGGGGCTTCGGGGTAGGGGCGTAGGCTTTTGGTGTGGGGTCTGGTGGTGGCTCCCTGGGCAGGGTAAAGGGGCGACGATGTGTGC	8
wt-132270-132390	2526	CGGCTACCCGGAGAGTTCCAGATTAGATGTACAGGCGAGCCTGGGTCGGGACCGCACCTCTCCACAGACAGTCCGGTGGAGCCATCAAGGGGGGCGAGTGGGTGGGCACCTGGTAG	8
wt-132390-132510	2527	AGGCCCTGCTCATCTTCTCACCTGCCCTGAGTCACTACCGGTTGGGGTAAAGACTGAGGGGGCAAGTCACTCAATCTCAGCGTAAAAGTTTTCGTGTCTTTCGTTTTCAGGGGACTCA	4
wt-132510-132630	2528	TCCTCGTGACATTTTCGCAGCCGCGGGCGGGCTCTTCTTCTGAAATCCAGCCATGGATCCACCCCGGGTCTGTGTGCCCTCTCCACACAGCAGCTGGCAAAATTTACAGT	4
wt-132630-132750	2529	CTTCCCGCGGCTAGAAAGCGCGCAGTAGAAGCGAGCGCACCTTCCCTTACTCCAAGCTGCTCTCTCTTAAAGAGCTGGGAGCAACTGGCTCTTTTTTCTCTGCCCCGGGACCCACG	4
wt-132750-132870	2530	TTTACAGACTTTAGACTATTTTTCGAAGTCAACCTGGGTGGGAGAAATCGCAGATTGCGTTGTGGTAGCTCTGCAGCCTTATCCCGGTGTTATATTGAGAATTTAAGACGGCCATGAGC	4
wt-132870-132990	2531	AACAGGGCAACCCGCAAGCGTACTCGAAAGGCACAGAGGCTAGAGGGCACCGCCAGTGTGTGACTGTGCCAATTTCTTGCACGCTCTGCCCCCGTGTGGGCAGTCAGGGC	4
wt-132990-133110	2532	CTGGAAGTCTTGGCGGCGTGGTATTTAAAACACAGCGATCCCTGAGAAGCCTCCAGGTAGAGTTTCCAGCCCTGGGGCAAAAGACCTCCCACTCCACACCCGGCCTGCTAAACCTC	4
wt-133110-133230	2533	CTCTCCGCTGGCAGGATGGCGCTCTCCGGGACGCTTGTATAGACCCGCGGAGCTGCCAGGGACACAGGCCCCGAACTCATGTGGGCCCAAGCCTTCGAACTCACTGGCGGTGC	8
wt-133230-133350	2534	CCCCGAAGCGCTCGAGCTGGCAGAGCGGGAGGGCCGAAAGGGCCAGGTCCGAGCGGTGGGACAGGTGTGCCAGGTGCTCAAAAATAGGCTGCTCCCGGTGGAGCTGGAGGATCATGCGG	8
wt-133350-133470	2535	TGACCACCTGGCCAGGGCGGAGGAGATCCGCCAGGACCTGGATGCTGTAGTGGCTTCTCTGATGGCCTGGAGAGCATGCAGGTCCAGTCCCGCTCCACGGGAGGGGCGCTCTGCGCCAGC	8
wt-133470-133590	2536	CCCGCCTCCCATCCCAAGCCAGCGGTTCACTCGGCTCACCGGAACGCCAGTATGCAGTCTCAATCTCTCCACGGACCCCTCTGATGGTGGCCGGCAGCCTGGCTCAAAGCT	8
wt-133590-133710	2537	GCTTGGTAATCTGTACGGGAACATCAACAGTGGTACCCTGCTTTCGACCCCTGGTACAGGACCATGTCCGGCTAATGCCATGCAGCGGCGCGTGTCCCTAAGCAGCTGAGGGGCAACCT	4
wt-133710-133830	2538	GAACCTTACCAACTCCGCTCTCCCTAAAGCTGATGACAGAAGTGGTGGCGGTGCTTGGGGCACCCACAGGACTTTTCTCAGACGTACGGACCTGCCAGACCTCCAGGCTGCCCTGAT	4
wt-133830-133950	2539	CCTCTCGGTGGCTACCTGCTACTCCAGGGGGGCTCTCACACCAAGCAGCGGCCCTCCCTGCTCAGCGGAAGAGCTGCTGGAGCTGGGCCCGGAGAGCCTAGAGAAAATCATCGCCGA	8
wt-133950-134070	2540	CCTCAAGGCCAAGTCAACCGCGGAAATTTTATGATTTTAAACAGCGAAACAAGGAAGCGCCAGTCAATAGCCCTCTCAACCAGCAGGGGCATATCCACCCGGCACATTGCGGGA	4
wt-134070-134190	2541	CAATAAGATTTACAACCTGTTTGGGAGCGGGACTACTGCCACGACGGCGCGCTGAACGTGCCCGGGGCGGGGTCGGGACCGGGACCTGGTGTACCGGATCGCCAACAGATCTT	4
wt-134190-134310	2542	CACCGCGCTCTACACCTATCGTCCCTGCTCCCCAGGCAATGCAGCGCGCAAGCCTGCCATGGCGTACAGTGGTATGCCGGGCGCCTATCCAGTCCAGACGCTTTTCCGCCACGGGGA	8
wt-134310-134430	2543	GCTCTCCGCTTCACTGGGCCACTACGTGAGGGCCACGGTGGCGGACAGCCCCAGGCTCCATCAGCTCTTTTTCCCGGGGCTGGTTTGTCTGGCCCTGGAGCTGAAGTTGATGGA	4
wt-134430-134550	2544	TGGGACGGCTCCCTCCATTATGCCATAAACTGACCGGACAAAAGTTTACACCCCTTTGAGATTTCAACCAAGAGCTTTTATTTTACAGCCCGCTGCCATGCTGGCGGCGGCAC	4
wt-134550-134670	2545	ACAGCTGCGTCTAGCCTTCGAGGACGGCGTGGTGTGCCCTGGGGCGCCCTCGCCATGCTTCCGGCGCGGGAGATCCTGGAGCGTCACTTCTCAGCTCGGATGACTACGACCGGCT	8
wt-134670-134790	2546	GTACTTCTGACGCTGGGCTACCTGGCTCCCGGTTGGCCCCAAGCTGAGCCAGTCTCTCGACTGGAGTGGTTCATTGGCAAAAAGGTAATAAACTCATCGACGGGGTTTTGGCTC	4
wt-134790-134910	2547	GTTAGGGAGGACACTGCCAAGGTTGAAGAGCAGATTTCCGTGAGCCAGGGTACCTGGCTCAGGTCGGGCGCCCTGCGCAGTCCAAGCTGCGCCACACACATGCACAGACGGCCCTGT	4
wt-135270-135390	2551	GACATCAGGCGGTCATGCAAAAACAGACAAAAGAGACCGTTCAGCGGTTACCGGGCGCAGGGCTCTGCCGGGAAGCCACCCCGGGCCAGGCGCCGTTAAAGCAGGTACCAAGTATTCATC	4
wt-135390-135510	2552	GGCACCTTGGCGGCAACACAGATTGTCGGGTTTTCAGGATTTTACCGGCTCCCGCCAGTGAACCTTAGGTCAGCAGCTTGGTCAGGGATAGGTCGAAAACCT	4
wt-135510-135630	2553	GAGCTGCTCTGCGCAGAGCGAAAGCGCCAGTCTTTAGCATCTTACAGGAGGAGCCCGTGAATCCAGGTTGCTATTCGCGCTCATCCCGCGCACCCCAAGTCCCATTAACATAGC	4
wt-135630-135750	2554	GGGCACAATGGTGCAGGCACCGTCTGTATACGCTCTGGGCTTCTGGAGCGCCGGACGCCCAACCAAGGACGCGCTGCCTTCACTGGATCCCTCACCGTCAAGAGCCAGCTCCCTCT	8
wt-135750-135870	2555	GAAGAAGCCCTTGCACACTCACGGTGAACACCTGCCGGATGCTCCGGTGGCTCAGTCTTTGGCCTTTACAGAGCCGAGCGGGTCTTTAGCGCAGCCTGATTACCTCTGGGACTT	4

wt-135870-135990	2556	CCTGTCCCTGTGGACTCAATTTACCACGATTGGGATATTGCACAGAGTACAGCGCTGCCCTCCCTCGAGAACCACAAAGGTGGAGGCTCTGCACGCTGGTCCCTCACTGTACTGGC	4
wt-135990-136110	2557	CTCCCTCCACCAGACATACCCCAAAACCACCGCAGATGGAGGCAAGCTGTCTCTTTGACCAGTGTCTATCTGTGCCCTGGGTCGTGGCGCGGCACCACGGCAGTCTACGGTACAGA	4
wt-136110-136230	2558	CCTTGGTGGGCTCTGAAGCACTTTAGTGACCTGGAACCGTCTATCGCCGCCAGATTGAGAATGACGCCAATGCCGAAAGCGTGAATCCGGATGCCGGAAGACCACCTCTGCCCT	4
wt-136230-136350	2559	CACGAAGCTCATAGCTAAGGCAATCGATGCTGGATTCTGAGAAACCGCGTGGAGACTCTGAGGCAGGACAGGGGTGTGGCCAATATCCAGCCGAGTCTGATTTAAAGGCCAGCGACCG	4
wt-136350-136470	2560	CCCGGACCTACAAAGCCGGACAAGGCACCTTCAGAGCCACCACCGGCTCCACAGACCACGCCACCTGCTATCAGGTAACGCAGGAGAAGGACAACAGCCTGCGGAGGTTCCGGCCG	4
wt-136470-136590	2561	CGCGGGCCAGGACCTCATCAGCTGCCCGCAACCTTTATGACACTGCTTCAGACCACTGGACAACAACCGCCGAGGCAGCACCCTGCTACCCGCGCCCGCTGCCCTT	8
wt-136590-136710	2562	TTCCACCAGGCAATAGCCACCGCCCTCTACGGTCTTACGGTCTGGGGCCGGAGCGGTCGCCCGCGCGCTACTTTAGCTCCCAAGGAGTTACTACGCCGGCCCGCGGGGACCC	8
wt-136710-136830	2563	GGGTGCCTTCTGGCGATGGACGCTCACACCTACCACCCCAACCCACACCCCTCCGGCTACTTTGGCTTCCCGGGCTCTTTGGCCCTCCACCCGTCCTCTTACTACGGATC	8
wt-137070-137190	2566	CTACACCCACTCGGGGCTTACGGATTTCAGCCTCATCAAAGCTACGAAGTGCCAGATAGTCCCTCATCCGCCCCACCACCAACTTCTACACAGGCAGCTCAGGCGCAGCCTCCACC	4
wt-137190-137310	2567	CCCGGCCACACAGGCCCCGAAGCCACTGTGTGGCCGAGTCCACGATCCCTGAGGCGGGAGCAGCCGGAACTCTGGACCCCGGGAGGACCAACCTCAGCAGCCACCACCGAGGG	8
wt-137310-137430	2568	CCACCACCGGGAAGAACTGGTCAGCGCTCGCTCCGGAGCTCAGTCTAAGGAGCCACCACCCCAAGGCCAAGTCTGTGCAGCCACCTCAAGTCCATCTTTTGCAGGA	4
wt-137430-137550	2569	ATTGCTGAATAAACCGCGTGGCTTGAAGTAACTTTATTGCGTGTAGTACTGCTTCAACAGTCCATTCACAGGGGTATCCAGCCCTTGCGCCCGCTCCCCAGCCCGCCAGCCACCCGACAGGGA	4
wt-137550-137670	2570	ATGATAATGATGAGGAGCACCAGCCACCACAGCAAGTATTAGGAGCAGGGCCAGTGCACCCAGTGGTCTTAGGGCGCCAGGGATCGATTGAAAAGGGCCAGGGTCACTGGC	4
wt-137670-137790	2571	TTATGCGTGGGACGTTTAGAAGCAGCCGCTATGGGGCTGTGACTGGTGTCTTGGTGTGGGAGACTAATGTGGTGGGGCTATGGTAGTGGCTGGGATAACAGTAAGATGCATACGC	4
wt-137790-137910	2572	TGAGTGAGGGTCCGGTGGCATTGGTATTGGTGTCTTCCCTGCAGAGTAATTGCAAGTGGACCCCGGAGGCCACACTGCAATTTCTCAGTGTACATTGCACGTGTAGTAACCTGCA	4
wt-137910-138030	2573	TGCGCAAGGGTACATTTGGGATTATCAGAGAGCAGGAGGTGGTGGAGTCAATTTACCCTTCTAGGGTAAGGCTATAATTGTAACCCCGTTAGTTATAGTTCGGTGTGGAAAGTA	4
wt-138030-138150	2574	GCTACGGCCAAAGGGCAGTTGCCATCCCGGGAGTGTATCCCGGCCCAACTCGATCCGAGAGACCACACTATTGCTAGGAACGCTGCAGGTGAGATTCACTAGCACCTGCATGGCGC	4
wt-138150-138270	2575	GTGACATTTTCAAATTAACAGATCTGAGAAAAATGCACAACAGACCCACACAGCAGCACAATAGAAGCACTAAATGAGTATTCTAAACTGTCAGTTTAAAACTCCCTGCTTCT	4
wt-138270-138390	2576	CAGGCCTAAATATGTGGTGGGGTGTGCTTAGGATCACTTTTCAATTTCTGCAACAACAGCCATACCCGGAAGAGGAGCTGCCGGTGGCCATTTTCAAGCTGCTAAACCAGAGTGGCAGC	4
wt-138390-138510	2577	AGGCCTAAGAAGCTCCTCAGCAACATGGAGACTCGAAGGGAACCTGGCAGGAGCAGGGAGTACGATAGGCACCTAGCCTCTTATGTGAGGTAAAGAGATCGTAAAAAATGGGATCAGGGT	4
wt-138510-138630	2578	ATGTAACCCGAGTTTTCGGGGGATGGTGGCCAGCAGCGCGGGTGGGGGAAGGAGCTGACACGATTGAGTAAAGGGCCAAAAATACACCAGCTATAAGGAATTTGCTCAGGCCAAAG	4
wt-138630-138750	2579	TTGTCTCAGGTGGCTTACGGCTAATGTAGGCAATTCGCTGGCCAGTGTGTAATGTCCCTTTCCTGCTTATGCAAAATTTACCTCCCGCGCTGGTGGCAAAAT	4
wt-138750-138870	2580	TCTGCCTCAGAATACTAACAGCTAATCCAAGTAACTTCTATCAGTAAACGGGCAGAAAACTGATAAGACCAGGAGTTTGGCCCTCCCGGTGTCCGGTGGTCTCACAGTGCCT	4
wt-138870-138990	2581	CCCCCGGGCCGATGGCTGAGGCCCGAATATGCAAGTGCATCTTTAACCAGTAGGGCCCTCACCTAGTGTCTTTGTAATCTTTAGTGGAACTAGTGGAGTGTGTGCTCGGG	4
wt-138990-139110	2582	TACCCCTATCCTATAGTCTACCGGAGCTCCTTGTCTTATGATAATCCCTGTAACAACACACCACCTAAGAACAAGGCATTGTTAACCTTTGGTGAACCTAGTGTAGTGTGTGCTGTA	4
wt-139110-139230	2583	AATAAGTGTCCAGCGCACCACTAGTCCACAGGTGTACCCGGAGGCTACTTGCCTCAGTGCCACTTTTACCTTCTCAAATCTATACGGGGGGGGGGGGCTGTAAACATTTGGTGGGAC	4
wt-139230-139350	2584	CTGATGCTGTGGTGTGCTGTAATAAGTCCGCTAGCACATCAGCTAGGCACAGGTGTACACAGGGCTACTTGCCTGGCATCTCTCACCGGAGAAGGGTTAACAACCCGTTGGGGGG	4
wt-139350-139470	2585	TCTTAGTGAAGTGCAGTGTGCTGTAATACAGGTCATAGCACCTATCCACTATGTCTGCCCGGGCTATATGTGCGCTTACCTCCCTATATAGTACAGCCCAACCGAACCGCAT	4
wt-139470-139590	2586	GATGTAGAATAAAATTTATGCATCATCTTAATCTGTGCCGCTTGGAGGGAACATGACCACCTGAAGTCTGTTAACAGGTCAGTGGTGTGTTTCTTCTGATAGAGACACAAGGACT	4
wt-139590-139710	2587	GCCAGCCCATTTGGGAGGGGGGGTGGGTACGGGAGAGTTTGGGCTCGTTTAAACAAGTCTCATCTGATGCTCTGTGGCACCTCAAGGTGAATATAGTGCCTCATCGATATCGCTGG	4
wt-139710-139830	2588	AAACCCGGTGGGCGCTGTTACCTAAAGTGCAGCAAGGTCTGTACGCCACAGGGTCCGTTTACCAGGCTTTCAGTGTGGAATTTAGATAGAGTGGGTGTGTGCTTGTTTAATTACA	4
wt-139830-139950	2589	CCAAGTACACCACCTCTATCCATATCCACAATTTGATAAACTCCGCATGTCCAACCACCAGTGAACAGGATGTGCACCCCTAAGAGGACCGCAGGCATACAAGTTATACCCAGTC	4
wt-139950-140070	2590	CTTGTATGCCTGGTGCCTTAGTGGGACGACGGCCTAGGTAGCATCAATTAACATAAAAGCAGTACCTTGTGGTACTTTAAGGTTGGTCCAATCCATAGGCTTTTTTGTGAAAC	4
wt-140070-140190	2591	CCGGGATCGGACTAGCCTTAGAGTAACTCAAGGCCAAGCATTTCACACCTGCAAAATGCACCATGTAACCACAGATCTAAACTGAAAGTTGCAGCTTTAGATGGCAAGGAACTTGGGTT	4
wt-140190-140310	2592	TCAGGCATAGAAGCCTGGCTCACTATAGCAGCCATGTTTGTCCAGGGTGGGGGAAAGGCACGTGCCCTAGAAAACCTAGCTGCAAAAATTTCTATTGTGGGAGAGCCTCTATAT	4
wt-140310-140430	2593	CTAAAGCCCTTCTCACAATACAAAATGTTACTAACGCTGCCCTCGGAGACCTGCTATGTGGCTAGACGATAGGCCTACCCAAGACGTTGGGGGTCTCGGGTAGGCCATGATCTTCC	4
wt-140430-140550	2594	AGGCATAGGTTACAACCACTGCTATCAAGCCTACTCAGTCCCAACGACGACATACCCCGCCCTCCTGCCATGAGGACTTATGGCAGTGTACTGTGCTTACTCTT	4
wt-140550-140670	2595	GGACCAGGCTGCTATTCTATCAGAATAACAGGGGAAGCAAGGCCCTCTGTTACGCGGGACACGTTTCTAGAATCTCGGAGCCAATAACTACCTGCCCTCTAATCTGTATGCTGCAT	4
wt-140670-140790	2596	GAAAACCCACATACACGTGATGTAAGTTAGCCAGTTTATTGTTACACCAATGCCCGAAAGTCTCCCTTGTCCCTTGGGTCTCAGGACCCAGCCCTGGAGCTCGGGGGCGCCGGGT	4
wt-140790-140910	2597	GGCCACCAGGTCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGGTGGCCACCAGGGTCCGCTG	12
wt-140910-141030	2598	GGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGTTCCGGCCCTGGAAGCTCGGGGGCGCCGGGTGGCCACCAGGGTCCGCTGGGTCCGCTGCCCGCTCC	12
wt-141030-141150	2599	GGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGCGCCGGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCT	12
wt-141150-141270	2600	GCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGCGCCGGGTGGCCACCAGGGTCCGCTGGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGT	12
wt-141270-141390	2601	CCGGCCCTGGAGCTCGGGGGCGCCGGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGG	12
wt-141390-141510	2602	GGCGGGGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGGTGGCCCA	12
wt-141510-141630	2603	CCGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGGTGGCCACCAGGGTCCGCTGGTCCG	12
wt-141630-141750	2604	CTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGCGCCGGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGG	12
wt-141750-141870	2605	GGGTGCCGCTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGCGCCGGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCC	12
wt-141870-141990	2606	GGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGCGCCGGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGGTCCGGCC	12
wt-141990-142110	2607	CTGGAGCTCGGGGGCGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGCGG	12
wt-142110-142230	2608	CCGGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGCGCCGGGTGGCCACCAGGGT	12

wt-142230-142350	2609	CCGCTGGGTCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCC	12
wt-142350-142470	2610	CGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGG	12
wt-142470-142590	2611	CCGGTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCC	12
wt-142590-142710	2612	GGGGTCCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGGTCCGGCCCTGGAG	12
wt-142710-142830	2613	CTCGGGGGCGGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGCGGCCGGT	12
wt-142830-142950	2614	GGCCACCGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCGGGTCCGCTG	12
wt-142950-143070	2615	GGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCC	12
wt-143070-143190	2616	GGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCT	12
wt-143190-143310	2617	GCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGATGGGGGTGCGCTCCAGCCGGACCGCTG	12
wt-143310-143430	2618	GTGCCAGGAGGACCCCGCCACCCGCTTTCATGGGGGGAGGGCCCGCAAGGACGCCGGGGGGTGGAGGTGTGCACCCCCGAGCGTCTGGACGACCTGGCAGCCGGGCCA	12
wt-143430-143550	2619	GCTCGCTTCTTTATCCTCTTTGGGCTCTGTGCAATACCTAAGTGTTCAGGAGTGGGGGGTCTCATTTGGTAAATTCAGGTGTGTATTTAGCCGTTGGGTACATTA	4
wt-143550-143670	2620	AGGTGTGAACCAAGGTGGGTGGTGGTGGGTCACCTTTGGGATAACAGAGGAGGAGGGGCTAGAGGCCCGCGAGATTTGGGGTAGCCGACCGCTCAGGAGGGTCCCGCCATAGG	4
wt-143670-143790	2621	GTTGAACCAAGGAGGGGAGGATCGGGTCCGCCCGATACCTAGTGGGTGGAGCTAGAGGTAGGTATCCATAGGGTCCATTATCCTGGAGGTATCCTAAGCTCCGCCCTATATAC	4
wt-143790-143910	2622	CAGGTGGGTGGAGCTAGTAGGATTCAGTAGTTCCTACTGGGGTACCCCGCTACCTACCTAAGGTGCCCGCCCTCTCCTTCCGTTTTAATGTAGAATAACCTATAGGTATT	4
wt-143910-144030	2623	AACCTAGTGGTGAATAGGGTATTGCAGCTGGTATATACCTATAGGTATATAGAACCCTAGAGGAAAGGAAACCTATAGTGAATCCCTCCCGCCCTACCCCGCCCTCCCTACGGTTG	4
wt-144030-144150	2624	CCTGAGCCATCCCCACCCAGCACCAGGGGTGACGTGGCACCCCGCTGCTTACTGACTGTGCACCTTTGCACATTTGGTCAAGTGCACCGATGCTCGCCACTTCTGGGTCAATGAC	4
wt-144150-144270	2625	CTGGCCTGTGCCCTTGCCCATGGACAATGTCCCTCCAGCGTGGTGGCTGCCCTTGGGATGCATCACTTGGAGCCCTAAGCCCGGTTGCTCGCCTGGCTGCACCATGACACACTA	4
wt-144270-144390	2626	AGCCCGTCTAATCCATGAGCCCGCTTTAGGAAGCACCACGTCCGGGGACGGAAGCTGGATTTGGCCAGTCTCAATTTGGGAGTGGTTTTGTGTGAGCCGGAAGTGGCAATG	4
wt-144390-144510	2627	GGGTGAGGTGGCGCTGGTAAAGCTGACGACCTCCCAAGTCTCTCACCTGGGTACACAGTGGGGCGGACGCTCTAAGTGGTGTGGCCTTATTCTCCCTTCCCTAGCCAGG	4
wt-144510-144630	2628	GCCATGTCTCCTGCATGTCTACTTGCCTCTGTGGTGGCAGACTGGCCCTGGGCCAACCCCGCTTGGGAGCCTGTAGGGGCAACACCCCTGGTTTTGTTGTCTCCTGTTTTGC	4
wt-144630-144750	2629	TGGCACTTACTGGCAGCCGAGCAGATTCTAATGGGCGCCCGCTTCTTCTCTTGTTTAATAGAAATCTAGCCAGGACCTATACCTGAGACTCAAAGTCTGGTCTGGGTTT	4
wt-144750-144870	2630	TGAGCCCCAAAGATTGTGATGACACCTGGTATGGTATGGTTTTCTATTCTTAGGTGTAATAAAAAATTCAAAAATGCATAAATTCCTTACCTGTTTTAG	4
wt-144870-144990	2631	GGTATTGTCAATTTTCAGCCTGCCTATTTCAATTTGCCTAAGGTGGCAATTTAAGATGTGGTTAATAAACATTTTCTGCTGACACCACTGCATGGCAACCGGGTCCATGGCA	4
wt-144990-145110	2632	CATTTAGAGATAAATAGATGCTTGTCTTGCTCATGTGCAGAGGAGGGGGTGTGGTGTGCAATATAGTTTCTGGATTCCAATTTAGTTGGGGGTGCTATTTCACTATGGAATTA	4
wt-145110-145230	2633	ATTACTGACATTAGACAGTGACACCAGGGCTATATGTGGGATGTCTGTGGCCTTGCTCATTTCCTCTAGAAGGTAATCCCGCATTAACCTCCCTTTAAATTTGATGCAAGCCCTGGG	4
wt-145230-145350	2634	TTATTTATAGAATGATTATCTAGGTTGATGCTGAAAGGCTGGGCAGAGAAATGTTGTAATTTTATCACTTCTTTACCCCGCAGGATCCAGTTCTAGAAGATCTCCTGATATC	4
wt-145350-145470	2635	CCGGGTGCCATTATCCCTTAGTGTATAGCTTCTCTTAACTAAGCAAGGCTCCAGGATTTAGCTTTTTGGTGGGCTGGTTGTCAGGAAGAGGTTCCAGTGTGTCTTTAT	4
wt-145470-145590	2636	TTTTAGATGTTAGCTTTGTAGGTAGTATGGCTGGTATTCCTAGTGAAGGCAACTAACACAGTTAGACGTCTAGTTGTGCCACTGGTTGTTATCCGGTCCCAAATGTCACCA	4
wt-145590-145710	2637	CAGAACACAGGGGCTGGATTGGCAGCAGCACTTGTGCTTTTGTGATTTTACCCTGTATCAGAGTGGGGATGCTAGCCAAATTTAGCTTCCCTCCCTTAACAGGGGTCTCGCG	4
wt-145710-145830	2638	GGTGCCAAATGTCCGCTCCCTCCCGCTCCCTTGTAACTTATAGCATGATAGGTAGGTACCTAACGTGGAAGCCTGGTGGGTGATCCTTCTCGTAGGGAGCGCTTAGGGCT	4
wt-145830-145950	2639	GTTGAGCTCAACAGCCCACTGGGTAAATGTATGTTCTAAAGAGTTACCCAAATTAACAAAACCTGTTGTAGGGTAACGAAGACCTGATGGAAGTGGTATTGTTGCCGTTGAAAGACG	4
wt-145950-146070	2640	GGTGTCTGGCTCAAGTTCGCACCTCCTATACAGTGTAAAGCCTGTATCGGAAGTTGGGCTCGTCCAGTACTGATGATAATGTCGACTGCTGCAAGAGGTTGGACCGTCTTCCA	4
wt-146070-146190	2641	GTAGGTGTTGGGGTCCCAAATCAGAGGTTAGGCAAGTGCACCTGGCTCTTAGGAGGGACCCTAAGCCAGACAATGATGCCCCTTTTTTTTGCAAAATGGCCTTATTAATTAATT	4
wt-146190-146310	2642	CTTGTTAACTAATCTGTTCTATGACCCTGTGTTTTTCAGATGCCGTTGAACGTGTCACTGAGCTGAATTTGGACGCACTACTTACCTTTGCCCGCTGCCTCCAGCGTGATAAG	4
wt-146310-146430	2643	TGCTCGCTCCACTTTGTGTACAGGTGGCCAAACCTCCAGAATATCAATTTGGTGGGCCCTTGGTGGGCTGCATAAGGCAGTAGTTTGGGAGCTACTTGGACCATGTGGATCCAGT	4
wt-146430-146550	2644	GTCTGATCCTGGACCTTGACTATGAAAACAAATTTAAAAAAATGCATCATAGTCCAGTGTCCAGGGACAGTGCACCTCGGAAGTCTCATCTCCGTTTTGTTGTTAGTTGGCCAGTA	4
wt-146550-146670	2645	CGGCCACCCCTGTCACGCCCTGGCATGCTGTGCATCTGGCCGCAATTTACGCGGCCCTTTCCCGCTTGTACCACCATAGCAAGAGGGTAGGTTACATGGGTATTTCCCAT	4
wt-146670-146790	2646	CAGCACCTGACTGGCCGGTGAATTAGAGGAGAGGGCAACACGCAAGGCTGTTGTTTTAATTTGGGTTACAAGAGCTGCGGCGGTGCATGGGTTCACTGATTACGGTTTTCTAGATTGA	4
wt-146790-146910	2647	CAGATGAAGTGAAGTGTCAACATCTATGGGGTGCAGAGTGTGCTTACCAGACTCCATGGAAGATGTGAATTTGCTGCTAGCTATATGGGTTGCTATGGGCTCCCTAGGGACTC	4
wt-146910-147030	2648	ATGTAGTGGGGCTTTGTGATAGCTAATGAATGTGGCAGCTGTGTTGTTGACTGGACCCTGAATTTGGAACAGTAACCTGGATTCTGTAACTTTCATGGTCCCGTAGTGAACTATGC	4
wt-147030-147150	2649	TGAATATCTTGAATATGGGAGGAGGGGGCTTTGGGTTCCATTTGTTGCCCTTTCTGGCCAACTGAGGGTCCAGTGTATAGGGCGTGGCAGTTTTCTGAGGGCTAATAACCCGGG	4
wt-147150-147270	2650	TGAGGCGGTTGTACAGGTGTAGACCTGGAGTTGAACCACTGACTGCGGTGCAAAAGTCAATGGTCTAGTAGTTGTGACCTGCAAGGCTACGTTGGGGATGAGCAGCCAGGACTTG	4
wt-147270-147390	2651	TTTGCAAGCAGACAGCGCGCATTTGAAACCCAGAGGAGTCCCGGGCCACCTCTTTGGTTCTGTACATATTTGTTATGATACAACCATGGAGTTGGCTGTGGTGCATCCAT	4
wt-147390-147510	2652	CTGGTAAGGGGCTGTTGCGGACGCTGTTTATAGCTATGCCAATTTTACCTGCCTGGGTTACTATTTCAAACAGACACACCTTTGAGGACACTGGAGCCCTGATCATTCTCGGCT	4
wt-147510-147630	2653	TTTACTGCCACCTGGCTTCTGTTGGGTGAGAGTGGTGGCGCTAGTTGTGCTTAGCAGAACGCACACCAGGCTGACTGCTTAGCAGTGTGGCCCTTTATTGTCATCCTAAGG	4
wt-147630-147750	2654	AGGGATCTGGAGTCCCTTTCGCGTGAAGCATGCCCTGAGAGCTACTCGAGTATAGGACTTAATCGCTCCTGTCGCGCTGGATGAGGGAGCGCAATTTGTACATCTAGCTCTGGCCATA	4
wt-147750-147870	2655	GAGTTAGCCACCTTGTGTCTCCTTTGGCCCTTGGCCGTGCCAATTTCCGGTGGTTCCTTTTCCGCGGTTTATCCAATAGCATGTAAGAGAGTTGCCTAGATTTGGCAACTTTGA	4
wt-147870-147990	2656	GGGAAGCTCCCGTGTAGCTGGTACCTAACCCGCCCATCACACCCGACAGACTTGAACCTGTCTGTGGTTGGTGTGGTTTTGGGGTACGAGGAGTACGTTGGAACTCCTTTG	4
wt-147990-148110	2657	GAGCCAGAGGGATGGGCCGCTTGTGCGCTTATGTTACACGGTGCACAAACCGCGGCGGCTGCCCGTACCCTGGCCCTGAGCCGTTGGCCCTTACCTTCTGGCCATCGGGAGCCCTGGT	8
wt-148110-148230	2658	CTAGGGTCCCTTGTGTTGCTTCTGCCATAGGGGGAAAGCATGCCTTACAGATTTGGTGTCTCCGTTGGAACATTTGAGGCTACTGTATCCGTGCTGACAACTTCCCGCAACA	4
wt-148230-148350	2659	TGACATGGGTTAATTTAAACATGTTTTGTTGCTTGGGAATGCTCTTAGGCCTGGAAGCTTGTCAATGGATTATCGTTTCTGAACACTACAGCGTAGGGCTATTGTAGCAGGCATGT	4

wt-148350-148470	2660	CTTCATTCCTGCGTACCGAATGGCATGAAGGCACAGCCTGTACCATTGGCACCTTTTTCCATGTAACCTCCGTGATCCTGGGTCTTTGGAGACTCAAGTGTGAATTTGTTTGGTG	4
wt-148470-148590	2661	TTCCGGCCAGGGTATCTCGACGTTGGAATGTCAACTCAACTTGGGCACCTCGATAACCGGCTCGTGCTCGTACAGACGATTGTTGGCTCTGTAACCTGCCAGGACGGCTGACGATG	4
wt-148590-148710	2662	TGTTTAGTCTGCCACTTGCATCCGGCGCTTTGGTTACTCGGGAGACTAATGGGGGTGTGGTATGCCACAGGCTGGGGTGAAGTCTGGGATGTCCCTGGCGTTGCTGCAGCCCATTCG	4
wt-148710-148830	2663	CCCTCTGGGGATGAGATGTTACAGGGTGGCCGTACCCCTACGCTGCCGATTACATAATATAAAATGTAATGCTGCAGTAGTAGGGATCTGCACGCGCCAGCTGCTACTCTTCGGAAAC	4
wt-148830-148950	2664	GCCAAACCAGGAGCGTGCCTCTGGCCCCATACTCCCGCCATGCGACTGCTCGCCCTCCAGGCTCCTGGTGAGCCCTTCCCGCTCCCGCATTCCTGCTTTCCGGCCCTCCGG	8
wt-148950-149070	2665	ATCCCGATGCACAGCAGGCTTTCTTCCCGGTAATGAAAAGAAATGACAGTGAGGTTGTACAGAAAGACAGCTTTAATCAGTTTACAGAGTGCCCTCGGAGGCTACGATATCCCGTT	4
wt-149070-149190	2666	AAATGTCTTGTGATTCTCTCAAAATGGGGGTGGGCTGCCGACAGCCTTCCACAACAATGTTCCCTGGCAGCTGAGCGGACAGCCCTGCCGTTGGATGATCTCTCATGATGCTGATAGA	4
wt-149190-149310	2667	GGGGTCTCCGGCTAGATGAAAAGGCCTGGCCATGCTCTGGCCGTCACGATCGTTATGGGGTGTGGAAATGTTCCGGACCTGAGCTTGGGGTCTGGCCCGCTTCCACTCTG	4
wt-149310-149430	2668	TGGGTAGACGTAGAAGACCGGGTGGAGGAGTGGGACACGACAAACGGCGTAATCTTGGAGCTCAGGGGGGCTCGTAGGTTGTTGATTCCAGCTCCGTGATGAAATAGGAGGAAT	4
wt-149430-149550	2669	AATCACAGGGGAGCCAAAGTAGCGGATGCTGTGGATTCCCGTCCACAGCGCCAGTGGCTCTTAGGGTAGGGTGTAAACGGAAAGCAATACATCATCAATAGGGTATGCCAC	4
wt-149550-149670	2670	CTTGACGTTACGGGGCCCTCTGTTTCAGTCCGGCGTGTCCACGGAGACTCGGACTAGCCCTTACCGCGGCTATGGCTTTACCGACACACTTCCCGGGAATGTGTAATACG	4
wt-149670-149790	2671	GGCGTATGACTTTAGAAATGGGGGTGGGCTGCCGACAGCCTGTAAGGCAGCACTCGTCTGGCTGGTACGGGACAGCCACTGAGGAAGATCTGGGCTCGCTGGTGTGATGATAGA	4
wt-149790-149910	2672	CCCGCTCTGGGTGACGAGCGTGTGAGTGAATGTCGCTCTGCCCGGCAGAACTGACAGTGTAGGTTAGGGTCTTGTACCAATCTGATGGGCACAATGTACCAGTAAACTTCCCTTT	4
wt-149910-150030	2673	CTCTATGAACAGGCTGCCGGATTACGACGCTTACGACGATGCTCTGGTACAGTGCATAACGAAGAAGGGCTTGGAGTAACCTCGTTGTCTTCCGCTCCAAAGAACAAAAACGGCAG	4
wt-150030-150150	2674	CGTAAAGTAGCGGCTGCCGTAGGTGGTCTGTTGAGAGGAAAGAAAGTAACTGAAAGCTGAGTATCTGGCCACCAGGGGGAGGGAGGAGCTTGGCACTGCGCGTCCAGCTGCAA	4
wt-150150-150270	2675	TACCTGCTTGTGGTGACGCGGACGATGAGGGGAAATCTGTAATCTCCACACGCCTCTCATGAACGACGTGTCTGGTTTTTTCAGTGGCCCGCAGGCGGGGAGGCTGTTCTGAACGA	4
wt-150270-150390	2676	CGAGCGCCGGACGCTAGTGTGCATGGGCTCCTCCGGGTAAAGCTTCGGCCATGGCCGAGCTCGTGCACGGCAAGGTGAGAGTCCGGGGGGGGCCAGCGTCCGGCCCAATACAAAC	8
wt-150390-150510	2677	TCTCCGCTCGTTAGCTGGTAGAATATCCGCCCGCGTCTAGGTTGTAACCTCGCTCGCCCGGCAGAAAGAGCGCAAGTCCAAGTCTGGTCTGGGGCCGATGTGCAGCGGTTTGTGCCCG	4
wt-150510-150630	2678	CAGTTGTAGACTGTCAATTTTATGGCGAGTGGCGGTCCACACGCGCGGGCCGACACCCATTGGTGCACGCGGCTCCTGGAATGTAACCCCGAGAGAGGGGCTGCCGCTCGG	4
wt-150630-150750	2679	AGATGGCCCTGTGCCATACATGATTTCTCCTCTGGGTGGAACAACGGCGTCTGTCTCCGGTGGAGGGGAATAGCTCCAGGCATCTTTCAGGGTACAGAGACCGGGTCCATGCTC	4
wt-150750-150870	2680	AGAGAACAGCCCTCCCGGGCGGTGGCGCGCCGGGCTCCAGCAGAAGCTCGCAGACCCAGCCCTCCTCGGCCCTGTCCACTGTATGTCAGGTGCACGGACCCGGAGGCTGCGTCTCGT	8
wt-150870-150990	2681	GACATGGCCAGGCTGGTGCAGCCGACGCTCCCGGTGCCAGCGAGGCGCGCCGAGCTGACTCAGGGCCACATCCCTCGGCCCGGGCCAGCGGCTCGCCA	4
wt-150990-151110	2682	GCCCCGGGCTTTCATGGGCCGCTTCTACCTCTCTCCGGACCCACGCTGGTGCAGCGCAGAGGAAGCATGACCTTGGGGTGGGACGGGCGAGGCTGATCCTGGGCGCAATCTTTG	8
wt-151110-151230	2683	CCGATCCCCACACTTCACTCCTGTTAGTGTGATAGAATGTCGGTACCAGCCACGGGGGGGGCCGCATAGGGAAAGCCAGGGAGAGCGATGTGGCGAGGATGGGCTCAGCGG	4
wt-151230-151350	2684	CCCCAGACACGCAATTTGCCCCCTGGCGCGCCGACGCTGCCCTCGCGGCCGTCGCCAGCTCCGTACAGGGGGCCGATAGGAGGGGTATATCTAGGATAGCCGACCTACACAA	8
wt-151350-151470	2685	ATGAGACACAGACAGGTCGTGAGGATTTAGGCAACGACGAGCTTGTCTTATAGTTACAACACTGGGAGCGTGCACCTGGAAGATGCAGCTGGGGTAGATCTTACATCTTACAGGGC	4
wt-151470-151590	2686	GCAGCGCCCGCAGACACTGAAGGCGAGGTTACGCGCGGCACCTCCAGAGGGAGCCACAGCCCTGACTGGCCAGGCGAGGCTCGTAGGCCGAGACGGGCGAGCCGGAGCTTG	8
wt-151590-151710	2687	TGGTACTGCTCCCGAGGTGGAGTGGGACACAGTTAGAGAACAATAGTCCCTATCTCCACCAGGCGAGCCTGTGTGAGTTTTCAGTTTGCAGGGCCATCTCCGACTCAGGTGG	4
wt-151710-151830	2688	ACTGGCTAGGCACCTTCTGAAGTATCTGGCGGTGACTGTACCTGGTCTTGGAGAGTCCATAAAATGGTGAAGCTCCAGCGGTATAGTATAATGAGCAACAGGGCCAAACAGGCGG	4
wt-151830-151950	2689	CGGGGCTGGGTAGTAGCGGGCAACGAGAGACTCTGTGCAATCAACCCAGGCTCCCGGCTCACCAGGAAGAGCAGCGGACAGGACAGCATAAACCAGGAGAGGCGCAATGAGTC	4
wt-151950-152070	2690	CGGTGAAGGTGACGTTGCATATCAGGCGCGGCTTCTCCGAATTTGTGCGCAAAAGTTCCAGATGATGATAACTGTGAGGAGGACGATCAGGACTGCCCGCAGTAGGATGACGCGG	4
wt-152070-152190	2691	CTTTCAGTCTTGGACGGCCGTGTGCATGCTTTGGTGGGGCTTCCCTGCACATGTTGGGGCTCTGTTGAGATTGGCTCGGGCCCATGGTAATGAGGAGGATGATAATCAGCAGGA	4
wt-152190-152310	2692	GTACCAGACAAAACAGCCCATCAGGTACAGGCACACATTTCTGTGGGAGGTTCTTGGCGTTCCGGCTGAACAATGCTAGGGTCTTCCAAAGCCATACCCAAGTGAAGTCCATACGG	4
wt-152310-152430	2693	AGCACATCAGGCCCAAGAACATCATGTTCTGGTCAAAGGCAGAGCCGGTAGACGAGAACTCTGAATCATTTTCCAGCACCCAGAGCAGGTTCTATGAGAAGAGCTATCAGCC	4
wt-152430-152550	2694	AGACATCCATTCCGTGAACCAATTTCTTACAAGATGATAAACAGATGCCAGCCAGTGTAGCAGAAATCAGCAGGACGAGCAGGCTGTGCATGCCGCTGAGGAAGGCGCTGTAGG	4
wt-152550-152670	2695	ATTTAGTGACGCACTTCCGTTGCATTGACGGAAAGTCATGTTGGCCACCAGGTCGCCAGGTGGACCCGGGGCCATGGTGGAGAGCATCTTGTGGTGCAGGCCAGACTGGTGGTG	4
wt-152670-152790	2696	TCTGCAGCAAAAGAGGAACTGGCCAGCGACTAGTATTTGCATGCCACCTCCTGCCTGGTGGACTCCAGACTATTTCTGCATTCCGCTTCCGTTGCCATTGTTGCAAGGAGCG	4
wt-152790-152910	2697	ATTTGGAGAAAATAAACTGTGAGTTTACAGATCCACGGGCCACGCTCCCTGGGGGCTTCATGATCCACCGCTTTCCCGATGATGATGACAACCGCGGCTGTCTGAAGCGGCTGACG	4
wt-152910-153030	2698	AAATCGTGTGAGATTCTGATGAGAGGCTTGGGGGGTCTTTGCCCTCAAGGCGAGGCTCCTTCTCCTAGGAATGCCAGCCCTGCAGTACTTCCGCTCCACTGGGATCTTGGCAGC	4
wt-153030-153150	2699	CTTCACTAGATTACGCGATCCCCGGTGGGAATCTTCCGACGCCCGCTCCTGCTATCCGCTCGTCCGCGGCTCCCATGCTAAGGGCCCTTCTTTCCCTTACTTGGGG	4
wt-153150-153270	2700	ATATTCCGAGTCTGCTCTCGCCGCTCTTCTCTCGTTAAACAGAGAGAATAGTAGTAGGGTCCAGTCTCAGGCCCTCACTTTGGGCTTAGAATGGTGGCCGGGCTGAAAAATCTG	4
wt-153270-153390	2701	GAGGACGGAGAGGGCGGCCCCGGAGTTGTTATCAAAGGACACTGGAGGATGTTGGCCGCTCCTTGGAGCAGCTTGTGAAATAATGATCCACGGCCAGGGAACCGCTGCCGCTCGG	4
wt-153390-153510	2702	GTAGGCCGGTCTCGGCCATCTCCGCTTCTTCCGCCCTTCACTCCCCCTTGGGCTCCACAAGAGACTGAGGATCGCGCTCGTGGATCTGGGCGAGTCTCCTGTTGGCTCGACGAA	4
wt-153510-153630	2703	CTTCTGGTAGACGGCCAGGTGAGGCATCTGGTGCTTGTAGGCTGAGAGCTTCCGGCTGAGCTCCGTTGAAAAGCAGAGCTCCCCATGGGACCTGCCTTACGGAGGCTGTGTA	4
wt-153630-153750	2704	GGCCTGTTTAGGATGTCAATGACGGGCAAAAGCCACAGGTAGCCCTTGTGTAATGACTCTTGAAGGGCCGGTGGAGAGGAGGCTGGCCGCTCCTTACCAGGCTCCGCCAG	4
wt-153750-153870	2705	CACCAGGTGCAGCACGCGCCGGCAGCGTGTCTGCACAACTGCAGGCCGCTTCCGGAGGAGCTCCACCCCTTCACTAGGGTCTTGGCTCCGTGAGCACCCCAATATCTTCTT	4
wt-153870-153990	2706	TGTAATCAGCATCAGGCAGGAGAAGTCTTCCGCCCTCCAGGAGTGGGGGCCACAACAGGCTCCGGTGGTGTGGCCGGCCAGGGCATCGGCAAGGCGAGGCTCGCTCTCGTA	4
wt-153990-154110	2707	AAACCCCGGCACTCGATAAACAGCGAGTCCGTGTCCCGTAGATGACTCGAAGCTGGCCCTGGGGTTCAGGAGGCGCCAGCGCTCCGGGAGGGGGCCAGGCTCGAGTGTCCGGG	8
wt-154110-154230	2708	GCTCAGGGCTCCACGAAAGGCTTGGCCCGCTCAACATCTGTGCGGCCCTGCAGCGTCAACCGTCTCGCGATGAGAGGCGAGGAAAGAGGCGGTTGGCCACCCCGTGAAGCGTAGAC	8
wt-154230-154350	2709	GGCGTTGCAGCTGCACTTGTGTCAGGCTGCTGCTTGTGCGAGGATGGTCTTTGGCGGGATCCTCGAGGCCGCCAGCAGCTTCTGATGGCCTTGGCTTGGCCAGCCAGGAGTCAA	4
wt-154350-154470	2710	CAGACTAGCCAAGAAGACTCGTGCACGTGCTTTTACAAGTGGTAGACGCCCGCTGAGCCTGAAGACTCATAGTCTTCCCGGGCGCAGGCGGGCTAGCCTGTGCTTCTCC	4

wt-154470-154590	2711	CGGCGTTATCATGTGTAAGAATAACAGAGATTATGACCTGAATGATGCTCGGGTAGAGGCTGGCAAAGTCCACCACCAGAACCAGGGGAGTTGTAGAATCCGGACAGGGGCTGGATGACGGT	4
wt-154590-154710	2712	GGCCCCCTGGTAGCCGTCCCGGTGAGAGCCGAGGGCATGGGCAGGATAAAGTTTTCTTTTGGCGGCCCGCAGGAGGCAGGAGAACACGCGGATCTGCTGCCCATCGTCCAGCACCCG	8
wt-154710-154830	2713	CCTGCAGGGGATGTGAGCGATCTTGGCAATCTCTGCCACCTCCACGTGGATCACGAAATGGTTTAGCAGATCCATGACCAGGGCCGAGTCTCGACGCAGTACATGCCAGCCGCTGCG	4
wt-154830-154950	2714	CCCCTCGGGGCCCGCTGCAAAGAGGCCGAGGAATCTCCTGTAATGCACATCCTCCTTCTGGCCCCAGTAGGTGCGCTGGCTACTGTGTCCAGCTTGTAGTCTGAGAGGCTGAGCTTGTG	4
wt-154950-155070	2715	CCGGCACACGGCGTACATGTCGATGGGGATGAGGCCGGTATGCGGACCTTGGTGTGGCCCGCAAGAAGCCCTTGGCCGCATCATGGGGTGCCTGACCTCGCAGACGCCCCAGCCCT	8
wt-155070-155190	2716	AATTTTGGCCAGAGAGGCTGGTGTAGTGTAGATGTGCCTGGCTGTGCCAAGTGTAGGGCCAGTCAAAGTTGGCCACGTTGACCCGGTCAACAATCCACGCTGAGGCTCTGAT	4
wt-155190-155310	2717	GAGCTGGAAGAAGCCGTAGAGATCTCCAGCTCCGATGGGAACTCGTAGACCTAAACCCCTCATGTCTTCGACAGTGCAGGAGTGCAGGATGCGCCTATAGCGCCCGCCCTCCTC	4
wt-155310-155430	2718	CCCTGTGCACCAGAGGACGCGAGATATCTGCAGGATCAGGTGAGCCTCGTTGGTGGCCGTGGGGAAGCCCTCCTCCCCAGACACTCGATATCGAAGGCCAGGGCCTGGTAGGAGGGCCA	4
wt-155430-155550	2719	GGAGCTGTCTTACGCCGAGCCGAGAGGTGCCACCCTCACAGTCTACTCGAGCTCGGGTACGAGTCCCGGTGCTGAGGCGGGGGATGGCGCGGGCGGAGCTGTACCAGCCAAAGGT	8
wt-155550-155670	2720	GACAAAGTCATTGTCCAGGACAAAGCGCGCTGGCATCCACGTTGGCCTCAAAGATCCGACACCCGCTGTTGCTTGCAGCCACGTTGGCCACGTTGACACACTGTTGGGATGGGAGAG	4
wt-155790-155910	2722	GAGGACTGCAAACTCCACGTCACAGCCTGAGCGCGCTGGCGTAGAAGTAGGCTGCTGCCAAACACGTTACACACACGCTGGCCCCATCGCCCTTGGCCGGCCAGTAGCTTGTAT	4
wt-155910-156030	2723	GACGATGCCACATGGCACCACATACCCTGTTTATCCGATGGAATGACGGCGCAATTTCTGCTGCTGTACCCGCTCTGAGTATGTGTAAGTGCAGTGGAAAGTCCAGAGGGCTCCGCTGGGT	4
wt-156030-156150	2724	GTCTGCCTCCGGCCTTGGCGTCCCTCTTGGGCACGCTGGCGCCACCACATGCCCTTCCATCCTGTCACCCCCACCACCGTCAGGGAGTCTTGGTAGAAGCACAGGGGGGGCTGAGG	8
wt-156150-156270	2725	CCCCGCACATCCACCACCCCTGCGCGCCTGGTGTCTGGAACACTTGGGAATGAGACGCAGGTAATCCTTGTACAGGCTTTTCAGAAAGCCCTTATTAGTCTTAGAAAGGGTTATA	4
wt-156270-156390	2726	GAAGAGTCCCCAGACATGGTTAAACTCAGTCTCTGCCCTCCCAAGCAGTGCAGCGGGGCTCTGGATCGTGATAGCGTCTTCTGCGTAGGCCCTGGAACACGGTCCCTGGCTGCCCTGC	4
wt-156390-156510	2727	AATGCTCTGCTGGCCACTGAGGGTCCGGCCGCTCTGAGTGTCTCTTTTGGTCTCTGGTTTGGTCTATGCAGCGCTAACATGATGGCTTGAATTTCTGCTTACTAATGGGATTAATG	4
wt-156510-156630	2728	CCTGGACCCCTACCAGAGGCATGTTGCTGAGCGAGCTCGTGCATCCGGGGTAGAGCATCTGCCACCGGCTGCTGCGACATCTGGCGCGTCCGCTCTGAGGGAATAACCCAGATCAC	4
wt-156630-156750	2729	ACCCCGCCACCAGGACCAGAATGAGCATGCCCGCAAGGGTTTTGAAAGAGGAGATGAAACCAGAGACCAGGCTGCTAAACAAACCCCCACCCTGCTGACTAGGTTGGTATGGAC	4
wt-156750-156870	2730	TGACCACGCTACCAGACTGTCCATAAGTTCGCCAGCCGTCACGAAATGATTTCTCCGTTTGACACTGCATTGTCCAAATCCTTCCGAGCCGGCGATGTTTGGCCCTGGAAG	4
wt-156870-156990	2731	TTGTACTCCCGAAGATGCCCTCCAGGTCAAAGACGTTGGAGGCACGCTGTTCTGCCCTGAGTACAGCTCCAGGGAGGCAAAGTCAATGTTCTCGATGAGGGAGGTGTTTAGTGAATG	4
wt-156990-157110	2732	AAGGTCTGCAGGGTGGCAATGCCGTCCAGCTCGATGGTTTTAAAGTGGTGTAGTCTGTGTAGACGTGGATCTCGTTGCCGGACTGGAAGTAGTACTGGCTGGTGCCTGGCACACCTCC	4
wt-157110-157230	2733	GTATCTTTTTGTGAGGAAGATCTGCTGCGTCCAGCTGCTCCCTGAGGCTTGGTGTCTGATAAAGTGAAGGACACCAGGGGGCGGAGTAGCACATGGTCTCGGAGCCA	4
wt-157230-157350	2734	GGGACCCCTCATGCTCTTGCAGAGGGTACGGTGGCCTGGTTAACGGGCACGCACTGGGAGACTGAGATGACATCCCCAGGCGCTTGGCCGCCACCGCCTTACCGTAGATGTGGACATG	4
wt-157350-157470	2735	ACGGTGGTTGATTAATCTGGTTAGTCTCTCAGCACCATGTTCTGCCTCTTCTGCTCCAGGCACCAGGCCCGCAAGGCTCCAGCATCGGTTGATCTGGCGGCGCAGGGAGTCTG	4
wt-157470-157590	2736	TAGGCAAATGGATCTGAGCGGTGGCGGAGTTGTTGAGGGTCCCGAGGACTTCCCGGGGGCCGTGGGGGGACCAGGTGGTGGCGTTCCCGCATCCCGCCTCCAGCGCTCAGAACG	8
wt-157590-157710	2737	GCGCGGGGGTGTCCCGCGGGCCGCGGATGGGGCTGGGGCGATGGACTGCTGGGGGTGAGGAAGTCCGGATGGTAAAGTCCGTCAGGTTCTTACGGTGGCCAACAGGACCGGGGGTCC	8
wt-157710-157830	2738	AGAGGTAGCCAAGCTAATAACAATCTCCCGCTCGTTATAAAATATGTAATGGCTCTTGGCCCTCTGTGTAACGATCTGGACGGCTCGTACTTCTCATGCTGCTTGTTCACCTGC	4
wt-157830-157950	2739	TCTTCGATGCACTTGAAGGCGTCCGGAGCTCTATGCCACGGTGTGTGGTACAGGACTAGAGGTCCCTCGTCCGCGTGGTACAGGAGTCCGCGTACCAGCAATGTAGATGAGAATG	4
wt-157950-158070	2740	GAGTCAAAGTGGCCAGTGTGAAGCGGGCAGTAGGCTGTCTGTTCTGAGCTTCCAAGATAGCGTGAAGTGCCTTGTCCAGGAAGGCTCGCGGTTCCGCTTGGCGGTTGCTCCCT	4
wt-158070-158190	2741	CGGTTGTCGATGCTCCTACTTGTAGTTAGTTCTCAGCTGGAAGGAGTCTGCCCGCTCATGGAAGGTTTCTTATTTTCCCGTCATAGAAAGGGGACATTTCCACAGTCTGCCCGGTG	4
wt-158190-158310	2742	GTGGTCACAAAGAGTCAAGGGGGTGTGGACTTGGCCATCATGTACAGTTATCAGGCAGTTGACGGTAGTCTTGTGTTCTGTAAGTCCATATCAACCACCCGGGGCGTCATAGAGCTCC	4
wt-158310-158430	2743	GTCTGGCTGGCGTAGCGGCGCACCCCGTTGGCCAGGCCCGGGTGGGCTTTAGGTTGACGGTGTGTTAACTCCGTCGCGGTCTACATACACGCGGCTCAGCCCATCTTTGTGATCTTG	4
wt-158430-158550	2744	ACCGCGTTGTAGCACTGGTAGATGGTATCCATCTGCTGAGTTTTGTCAGCTGTCAACGGAGAATTTCTCCTCGTCCGCGTGGTACAGGAGTCCGCGTACCAGCAATGTAGATGAGAATG	4
wt-158550-158670	2745	TTGGTCACTATCTGGTGTAGGAGCGGACCTTAAACGAGTAGGGAATAATGTTGCTTTAAACACCATCAACAGGCCCTCCGTTGATTCTCCCGCTGCCAAACAGGGGACACTGGATG	4
wt-158670-158790	2746	TCCGAGGAGAAGCGGAACAGGTGCGCGTGGCTGGAGAGCTCGCAGACTCGGAAAGGAAAGTGGTTTGGTACGCGTGGCGGTAGGCTGCACCGTGGTGGCGGGGGTGGCGGCTGCTCT	8
wt-158790-158910	2747	GGGGTCTGCGCACCGAGACGGCAGCCAGGCGGCTAGCAGCACACCACGCTTAGCACCTACGCGGAGTCACTCTCATTTGGAGGTGCAAGTAGAGAAGGGCATATAGATCCTTAAA	4
wt-158910-159030	2748	TACCCACCCCTGCCCTTATACAGAAGAATAGGGGGCGGTGAGTGTGACGTGAGGTAAGCCCATCCGGGGCAGGGCCTGGCCGGGGTACCAGCTCCGCCCGGCGCAGGATCAA	8
wt-159030-159150	2749	GGACCGCCCCAGGTCTTGTGTAGAGGGACACGGTTAGGACGGCCTCGCGCAGCGCCCGGCACAGAATTTGCTGGTATGATGCCAGTACGAGCCCGGGTACGCTGTAGAAGCTGTTGAA	4
wt-159150-159270	2750	GGAGGTCTCTATCCAGTCGCTCGGCTCGATGCCTGGCCATATCAGGGAAGTCAAGGAATGCCTTCTGGTGGGGCAGCGTACCTGCGCGTACAGCAGCGAGCCAGGGCCACGTTGCTGGG	4
wt-159270-159390	2751	TGGGGGAAAGAGCCGCTCTCCTCCGCCAGGGGCCCGGTGATGAAGTGTACAGGCTGTGGTACGCGGTGCAAGTGTCCGAGCTCAGGGTCTGGGTAACAGGTGTGTTTTGATGTA	4
wt-159390-159510	2752	CTTGGAAATCTCAAAGCGGGACCCCTCGCCGCGCGCCTGTCTCCAGGGACCCGAGACGAAAGCCCGTCTGTAGAGAAAGTGGTGGCGATGCGGGCCAGCTCCAGTAGACCACGTC	8
wt-159510-159630	2753	CCCCAGACGCGCAGGACAGGGTCTCGGTGAGGCTCTGCTGTTGCGCCAGGCGAGCTGACGTTGGCCAGACCTCGGTGGCCACCTGGCCGAGGTAAGTCTGCTTGGCGTTGAG	8
wt-159630-159750	2754	CGCGTCCGAGAGGGCGCCGACGGCCGGCTCTGCTGCCAGCCGCGGGGACCTCCGGGCTCTCCGGGAGCGCCTCCTCGCTCGCCGACCCGCTCCCTCGCTGGCCCAACCGCTGCGTGGTTGAG	12
wt-159750-159870	2755	CCGCGTGTACAGCTCGTCTCTTTTGCAGGATGGCCCGGTACTGGGGTGGCGCTGAAGGCGGGCGCGCAGTCCGCTTACAGCGCTCCACCAGCGTCCCGGAGGAGCTGTAGACCCC	8
wt-159870-159990	2756	GCCGAGAAGAGCCGCTCCGTGGCCCCGGAGCCACGGCTCAAACAGGTGAGTACGCTTGGCCCCGCGAGCGCTCCTCGCAGGCCCCCGCACCAGGGCCAGGCGACGCTCCCGGGC	12
wt-159990-160110	2757	AAACAGGCGAGAGAGCGGGAAATGGCCGCCACCCTCCCCCTGCCCGTGTGACCGATAGCATGGCCGCCAGAGTTCCAATAGAGGAGTCCGAGAGCTCCGCCACCTCCGGGGCACTGT	8
wt-160110-160230	2758	CGAGAAGACGTTGTAGGTGTCCAGCGCTCTGGTCCGCCCTCTGCTCCGGCCCGCCGGCCCGGGACCCGCGCTCCTCTGGCCCGCCCGGCTCCCTCTCTCAGCCTCCAAC	8
wt-160230-160350	2759	GTGCCAGGCCCGCCGCTGGCGACTTCACTTCAAACAGTCCCGAGCCGGCTCCGGATACCCGGACCGCCAGCTCCGGGCTCTCCGGGAGCGCCTCCTCGCTGGCCCAACCGCTGCGTGGTGG	8
wt-160350-160470	2760	GTGGTTGGGCAGAACCATCAGCTCGCCACACAGCCAGCAGGACAGGATGATGAGAGCGCGGGTCTGGATGGGACTTACGCCCGAAAGCGGCCCAAGCATCCAGGGGCCG	8
wt-160470-160590	2761	TTCCAGGCTCTCCAGCCCATGGTGTGAGACATGCAATAAAACACGCTATTGATCTCTTCAATAAATCTATGTCATTTATTAGGCACAACTTACATCGACTTTATGCCCCCGTA	4
wt-160590-160710	2762	AAACTCCACAGAGTACGCGACTGAGGGGTACGGAGAGGCGGGACCCGGTACCCTTCTACCAGGGCGAGCAGCGCGGAGAGGGCTCTCTGAGTCTCTAGCAGGTGCACCAGCTC	4



wt-160710-160830	2763	CAGGGACAGGGCGTGCATGCACGGTCACTCTGCCGCTCAAACGGGGAAGGAGGATGGCTCCAGCTCGGCCAGCAGGCCGGCGTTGGCCACCACCGCAGCCAGCTCCAGACTCCGGGG	8
wt-160830-160950	2764	GTCCAGCCGGGTGCACACGCTCAGCTCAACCGCCAGGGCGTACACCTGGCTGTACGCCGCCAGCAGCCCCGACATCGCCGCCAGGGTCTCTAGACCTCGAGTCCGGGGAGAACG	8
wt-160950-161070	2765	GTGGCCAGACGGCGCTTGCCTGTCGCCCGGAGCCCTGCCCTCTCCACCAGCAGCAGCCCGGCCAGGCCCTGCGACGGTGTGCTGACCCGCTCGGCCACGCTGATAAGTTGTCTGG	8
wt-161070-161190	2766	GCTGCCCGGGCCACCCACACTCCCTCCAGAAAGTCCCGAGCGGGCTCCGCCGTCACCTCTATCCCGCTGGAGGCAATGGTGCCAGGGTTCTAGGACGCTGTCCGCCAGGACGGAG	8
wt-161190-161310	2767	AAGCGGCCCAATAAGTACTCCGCGTCCCTAGTACAGCGAGGCGCATGCCCTGCCCATGGCATCCACAAGTTGCACACCACATCAAACACACAGTCTTCCCTCTGTTTTGTGATATA	4
wt-161310-161430	2768	ATGGCTCCAGGCCAGCCGTGATGTTCAATCTCATATGTGTGTCGGCTTGGTCCGGCTCCACGTTACCCCTAGGGTGGGGTGGCAAAGACAACCTCTCCGATGGAGAG	4
wt-161430-161550	2769	CCCCGGCCTGCTTGCAGCCAGCCCGGGGGTGGATGATGTAGTTCTCCCTCCCTGGTAGTCCAGCCCGCCGACATAAAGTATCCAGTTCCCGGCCGGAATACTCGTTGTGCCGTTGACCC	8
wt-161550-161670	2770	GTGTACTTGTGATGGTCACTGGCAGCGTGACAACCGGACGGCCCTTGCAGACCTGGTAAAGACAGTCTGTGGCCGCGCAGACCACCGTGGTGCAGTAAGGGAGGAGTGGCTCCGCG	4
wt-161670-161790	2771	TAGGCCGCTGCCGACTCCACCGCCCGCTGCCAGTACGTGGGGTAGTACAGGGCGGCCAGCGACTGGTCTCCGCCACAGTCCCTGAATCAGGCTGATGTAGAAGTGGGTCCGCG	8
wt-161790-161910	2772	CACGCTTTCAGGATGGCGTGTGAGCCTCTGCTTGGCGTAAGTACCAGGTTGCCAGGCACACATCTATGACCTTCTCTCTGTTGGCCCGGGAGCCCGTCCACAAGAGGGCC	4
wt-161910-162030	2773	AGGTACAGTACTCTCCGCGTGGCCCGCTGGGACAGGACCGAGCCCGCTGAAAAGTTGGTCCACAGTACAGGCTTGTAGAGCTTAGTGTCCGGGAATAGGGTCTTGTGTAG	4
wt-162030-162150	2774	GTGTTGAGGAATTCATGTAGGGCCCTGCGGCTCTTCTAGCTTCTCCCTCCCTGGTAGTGGACTTGAAGCTGTTCTGGAGGGCGGCATTCTCCCGCTGAAGACCACTGTTCTGATC	4
wt-162150-162270	2775	TTGATGTTCTGGGCGCAGCATCAGCACCTTGGACATGCGCACAGGCGCCCGGCCGTACACCGGCCCTGCAGGGCCGCTCCAGGCTGGCAGGTGCGAGGTGGCTCCCATGC	8
wt-162270-162390	2776	ACCACCTTGGCTCCTTGGCGGTGAGGACCCCTTGTGATGGCCAGGCTCCTAAAGTTGGTGCACAGGCTGTGGTAGTGACCTTTAGCCACTCTGGGGGGCTCTGGCCAGCCCGGG	4
wt-162390-162510	2777	TTGTCTTCTATAGCACATACAGATGGGCGAGGAGATGCTCTGCAGGATGGTGCAGAGTGCAGCGGTAACACACTGGGTGAAGATGGGGCAGGCGGGCTCGCAAGGGGTGCACAG	4
wt-162510-162630	2778	TACTGCATCAGTGGTAGCAGCTTGGACAGGCTTGTAGGTGATGTTGTTTGGCCATGCTGTTCAAACTGGACCACTTCGGCGTCCACCGCCGATCCACGCTCTTGAACATC	4
wt-162630-162750	2779	TTGACAAAGTACGCGGGCCATGGGGCTCTTCTAGCTTCTCCCTCCCTGGTAGTGGACTTGAAGCTGTTCTGGAGGGCGGCATTCTCCCGCTGAAGACCACTGTTCTGATC	4
wt-162750-162870	2780	TCGTCGGCGCGTCCCGCTGCTCTCTATCGATGAAGTTGAGAAAGTTGCCAAAAAGTCCGTTCTGTTGAGGAGCCGAGGCCCGGAGATCACATAGGGTCCCTCCGCTGCGTG	4
wt-162870-162990	2781	GACATGACGGGGGGAAGCGTCCCTCAGCCTAAAGAGAGCGTGTTCAGGCACAGCGCCGGGGCCCGCCCTCGCAGAGCGAGCACATGGACTGGCGGCCCGCCCGCACGTAGCTG	8
wt-162990-163110	2782	CCCGTCCCGGACCGGGGTGACAGAGCTCTTCTGCTCCCTGGCAAACTGCAGGTAGTAGGCATAGCGGGCAAGAAAGTTGGGCGAGAAAGAGGGCCGATAGACAGGCTCCACAGG	4
wt-163110-163230	2783	TAGTTTCCCGACCGTGGTTCGGTGCAGCTGGCCACCCAGCCGAGAAGCAGGGTCCGGCGCAGGGTCCAGGTCCTCCCTCTGACGGTCCCGAGCCGTTGGGTATGTAGAAA	8
wt-163230-163350	2784	CTGTTAAAGAGACTCCTTGGCCGTGACCGTTGACTTCGAGACCCCGGAGCAGTGCAGGAGCGAAATGGTGGCAAGATCTGCGTGGACAGTGGGGGGCCAGGCTGGCATTATCGG	4
wt-163350-163470	2785	TGTAACGACGACACACGGCCCTTGGACCTCACAGTCCGCAACAGGGGCCACGAGTCTGAGTTGAGGCTGGCCGGGTCTGTCGAGGCTCCAGCATGGCGGGTGCAGTCTACC	8
wt-163470-163590	2786	GCCAGCTCGCATGCCGCGTGTCCACAATCATAAGGCTCCGAGTCCGGGTGACTGATGTTGAGGCTGGAACTCCTTGGGGGGCCACCTTGGCCACCTTGGCTGGTCTGCAGG	4
wt-163590-163710	2787	CTCTGCTTCTCCAGCAGCTCCACAGCTTCCACCCGTCGACACCGCTCGGACGCGCAGCGCTCGCCAGCCCGGTGTACAGCGCTCGTGCATGCAGCGGTGAGTCCGAGTTGAAACTGGCGG	8
wt-163710-163830	2788	AGCTGGGACAGCCCTCTGGGAACACTCCTTGTGCTAGAGCGGGACCTAACGCTCGCAGACTGCCCCACCGTACCTCTGTTTAAACGATGGAATGGCCACCAGGTTCCGCTGTAG	4
wt-163830-163950	2789	AGTCGCTCCTTGAAGCCCTCGTATTGACCACCGCCCGAGTAGGCAGAGGATAGCTAGCCCTTCCGGGAAGAAGTCCCGCCGCTGGAGCTTCCCTGGTAGGGCGCTGAGGCGTCCG	4
wt-163950-164070	2790	TACCAAAACACTCCCTGGTCTCGCCACAGAGGGCTCGAGACCCGGCCCTCAAAGATGGGGGAACCATATGGGCAATGTTGGAAACCGAGTATGTTCCCTGTGATAGGAGTACGGCGT	4
wt-164070-164190	2791	AGGAGCCCGCAGTTGGGGTGGGCTCCTGTGCAGAGCCTTGCATTGATGCTGAAGCCCGGCTCCACGGTGTGCGCAAAAGGAGCGGCACCGTCCAGCACCTGTGGCCCGGTAGCCG	8
wt-164190-164310	2792	GTCCCCAGTGTGGCCACCTCCCTAAGAGGGTAGGTGGCCAGGGGTAAAAGTAGATGAGCCGACGAGCCCGGCTGGCTGTGGCTGCCAGATTATCTCGTAGTCTGTGCACCCCTGC	4
wt-164310-164430	2793	ATGATGCCCAAGGTATCGCCCGGCTCCAGTCCACATTAATGTTACACTTTACTCATACGCAACACCCACTGTTTATTCATTTACAAAGATTTTCAGGAAGTCACTAGGCTGGCC	4
wt-164430-164550	2794	AGGGCCACGTCACGGGAAGTACGCTCAGCGATCTGGCATGCCGCCAGCTCGCAAAACAGAGTCTGCATAGAGGGCCAGGTAGTGGCGATTGCCCCAGCACGAAGCGCGG	8
wt-164550-164670	2795	CTCTTGTGGTACCCAGTAGTTTCCGACCCGAAACACCACTGTGTAGCACAGCACCCCTGAGCCGCGACCAAGTGTGATGTTGTTGACACTGCGCGCAGGACCTGATGATG	4
wt-164670-164790	2796	AGCCGTACGTGCGTGTCTTGGCCCGATGTGGCTGTCTGCAGGCCAGCTCCGCTACAGCTTCTATCCTTCTCAGGGAGGCCCTGATGAGCCGCGAGGACCAGGGCTGGCAAA	4
wt-164790-164910	2797	GGCAGTCTTCTCATCCGGGTGAACACCGGTACATGGCCCTGAACATGAGGTAGCTGACTAGCCACCTTGTGCTCCGGCGGCGAGGGCGGACCCAGCCCTCGACCGGGTCCCTC	8
wt-164910-165030	2798	ACAAACACAGAATCTGTAGACTTGGCTGGCCCTCATGCTCTGTCAGGCCAGCTCAGGGCTTACGGCTTATATGATAAAATGGGCGTGGCAAGATGATAAGACGCGAGGCTGGGTGA	4
wt-165030-165150	2799	GGAGAGTCCAGAGCAATGGCCAGGTTATCGCTCAGCTCCTCTGTTGGCTCCTGTGTGGCCCGCGCCAGGCTGTACCCGCTTCTTGGGTGAGCGAGTACCCTGACCTCCTACTGG	4
wt-165150-165270	2800	AGGAGGGTGAACCTCGGTCCAGAGATTGAGGTCAAGCTGGTTTTAAACTGGGCCAGGAGAGGAGCAGTGTCTATTGGGCGCATGCACCACGATGTCATCTTTATAGAGTGGCCCTTCAGG	4
wt-165270-165390	2801	GGCTCTTTGATATCCACAGAAGTGCACACACTTCTTTTTAGTAGTACCCTGCCAACATCTCCATGACGGCAACTACCTGTGCCGATGAAACTGGGCGAGACCAGGTCACCAAG	4
wt-165390-165510	2802	CAGGAACACTGAGCGTGGTGAAGCCTTAAGCCTGTCTGTCCACTCGAAAGGCTCAGTTCAGACTTCTGTCTTACTGTGACATGCACCGTGAATGCATTTCCCATCCAC	4
wt-165510-165630	2803	GTCCAGTGGCTCATGCCCGAGGGCTGTGAGCCCGACCAACTGCGGCAAAATGGCGGTGTTATGAAGGAAAAGGATGGGAGCCTCTCTGTTGCTGTGACCTGTCACTTCCCAAGCCCTGG	4
wt-165630-165750	2804	CACCTGCCAGTACCTGCGTTGGGAAAATGACAAGGAGGAAGCCACGGGTTTATGTTTGGGATACTGTGCAATAAACGCACCTTGCCATTTTACCTTGTTTAGTGTGGCATTG	4
wt-165750-165870	2805	GGGGGTGGCATTGCGGGTGGATAGCCTCGCAGCTGTGGGAAAATGGGCGGAAGGGCACCGTGGGAAAATAGTTCCAGGTGACAGCAGCAGTGTGTGAAGATTGTACAGCTGCTGGTT	4
wt-165870-165990	2806	TGGAGAAAACGGGGTGGGCGGTGATCAGGGAGAACAATCCCGGGGACACCTGCACGAGACCCTGGGCTCTCAGGAACTCCGCCAGGCTTGGCAATGGGGTGTCTGTAGCCG	4
wt-165990-166110	2807	CGCGGTTTCAGCATCACAGTTATTTGCTGAAGCTTGTGGGGCTAAATCCCTCTCGCTTGTCTCAGAGAGCATTTCAGCCGGTTTTGCAGTCTGCTGACGATATGGGGTCT	4
wt-166110-166230	2808	CCTAGAAATGTTGCAATGGGCGGGGTCCTTAGCCCGCGGGGATCCGGATGGGTACGATGGCGGAAACAACCTCCCAATATCCATCTGCTTCTGGCTTCTTGGGAACACCCCCAC	4
wt-166230-166350	2809	CCCACCGAAGCATGAGGAACGTGAATCTAATGAAGAGCCCCACCCGCTTATGAGGACCAATATGGGGGATGGCGACCGTCACTCGGACTATCAACCCTAGGAACCCAAGATCAAA	4
wt-166350-166470	2810	TCTGTACTGGGATTGCAACACGACGAAGTTCAGGGCTCCTCCCTCCTACTCTCAGCGGATGACTCATCAACACATATACGAAGAAGCGGGCAGAGGAAGTAAAGTGGCA	4
wt-166470-166590	2811	TCTATCTGTACTTTATTTTATGATCACAAGTACACATCAATAAAGGGCGCCTTACGCGGATGTTATCCACACATCCCAATTCACATCTCAGGGACAACAGGTCAAAGTCTT	4
wt-166590-166710	2812	TGTTGACACCCACGCGTGGCTCCAGGGGTGGAAGCGTTGGATGCAGTCTCCGCATCGGGCGGACGCTCTCCCAACCGGTTTCTGCGGATCAGTCTGGTGGGATCGG	8
wt-166710-166830	2813	AGTCGGTGGGCGTCTCCACGGGACACGCTCTTCTTGGCCTGTTCTTTGACCTTTTGGACATTTCTTGAAGGAACGGCGGAGAGTAGCCTAGAAATCCAGCCAGTGGTCTACCCGG	4

wt-166830-166950	2814	TCGCATGGTGGCTTCTTAGATGAGGAGCAGGCATAAAAGTCCAACACAGACACAGAGTACCACCAGGAGTAGTCTTAGTCTGCTGACGCTCTGGTCTCGGGCCAGGGGTGGCTAGGCCT	4
wt-166950-167070	2815	GGTCTCCGTAGAAGAGCCGGCCAGCCGCAGGACAGAGGACTGCTGCTCTAGCAAAGCACGCTCCAGGACGTGACCATCTCGAGAGTGAGGCCACAGCTTTTTCTGGACTTTTTATACAG	4
wt-167070-167190	2816	TAAGGACAAGGAAAGAAAGGCCAGAGGAATGTGGAAGATGAGCGAGGACAGGTGTGGAGGTTTTGGGCTAGCTCTTAGTTTTCTGGTGTGAGAGAGGGATTAAGTGCTTATGCGCAAAG	4
wt-167190-167310	2817	AATGTGTCAACAACAGGTGTTCCCTGCCTCTGCTGGCATGAGTGTAGGTGGGCTTGGGCTGAATCCAAATGTGATTTGGCACAAAGATGGAAGCAAAGTGTCTGGAGTACTGGGGGGAG	4
wt-167310-167430	2818	ACAGGGATGTATGTTGGTCCCCCGTGGTATGCCAGTACCCTGTGGAAGTAAGGGGCTCATCTGCTGGTAGTTGTGTTGTGTCAGAGGTCTGATGTGTGAGGAGGGTGGGTCAACCGC	4
wt-167430-167550	2819	AGGGGGCTTGGTGGCGGAGTCTGGCAACGCCGGTCTGCTGCTGCTGTTAGGCGTGGTAAGCGTGGTAAGGTGTGTCCEAATTCGCGATGTCTCCTTTCCCTTGTGTTTTGAAT	4
wt-167550-167670	2820	AGAATATGAAATGGCTTTTCAGCCTTACAGAGCAGAGGTTGCTTAAAGGTGTTGAGGTAGTTAGCTAACGCAATGTCAGTAATGAGGAGGAGTCAAGTGGGAGGAGGCTA	4
wt-167670-167790	2821	TGACATGGTAATGCCTAGAAGTAAAGAAAGTGTAGTCATAGTAGTCTAGCTGAATGGGCGTGGGGTGTGCATCATCTCCACCAGCAACAGGAAGCAACCAAGCAGCGTAGGAAGGT	4
wt-167790-167910	2822	GTGGATCACCCGCCCATGGCCGAATCATGACTATGACCGCGCTCCGTCTGTCATCAAAGCCGGGCTGGTCACTCTTGTTTTTCAACCTCTCCGTCAATGTGAGGGGCCCTC	4
wt-167910-168030	2823	CATCATTTCCAGCAGAGTCGCTAGGGCTATGAGGCGAGCGGTTCATGTTGGCCATTGTCATCAGTGTGTGTCAGGGCTCTGGGCAATTGTCATCAGTGTGTGTCAGGGTCTGAGGCAGCG	4
wt-168030-168150	2824	GGTCATGTGGCCATTGTATCAGTGTGTGTCAGGGCTGCTGGGCAATTGTATCAGTGTGTGTCAGGGCTCTGGGCAATTGTCAGGACCACTCCAGGTGCGCCTAGTTTTGAGAGC	4
wt-168150-168270	2825	AGAGTGGGGTCCGTGCGCGGCTCCACTCACGACGAGGTGGTGTCTGCCCTCGTGGAGTTAGAGTCAGATTCATGGCCAGAATCATCCGTAGCTTGTGAGGGTCGGGAGGAGTTCAT	4
wt-168270-168390	2826	CGTGGTGGTTCATCACTGTGCTGTTGCCATGGTAATACATCCAGATTAATAAGTCCGAGAAACAGGAGGACGCAAAAGGAGATCAACCAATAGAGTCCACCAGTTTTGTTGTAGATAGA	4
wt-168390-168510	2827	GAGCAATAATGAGCAGGATGAGGTCTAGGAAGAGGCTAGGAAGAAGGCCAAAGCTGCCAGATGGTGGCACCAAGTGCAGAGCATCTCCAATAAGTAGATCCAGATACCTAAGACTG	4
wt-168510-168630	2828	CGTTGAAAAAGAGTGTAGGGTTGAAAAAGTGGGGTGTGGTAAATAATTCCTAGGGAAATGTTAGATCTTACCAAGTAAAGACCCGAAAGTAGAAGGACCAATCCAAGGAACAATGCC	4
wt-168630-168750	2829	TGTCCTGCCAATTCAGAGAGCGATGAGCAGGAGGGTACTGGGAAAGAGGAGAAAGTGCCTTAGAGAAGGAAAGTAAAGGGAAAGGGGTGTGGGGCAAAAGGGGTGAATACTTACTC	4
wt-168750-168870	2830	ATCAGTAGGATATACAAAGGGCTCAAAGTGGACAGAGAAGGCTCTCTGAAAGATAAAGATGATCAAATAATATAAGTAAAGCATGAGAGCAAAGGAAATAGAGGACAAAGAGGCTCCCT	4
wt-168870-168990	2831	CCAGTCCAGTCACTATAACGATGTACAGCCAAACAGTAGGCCAAGAGGAGGAGAAGGAGGAGCAAGGCTAGGGAAGAGGAGAGGGGGTCTCGAGGGGGCGTCGCGGGCCCGGT	4
wt-168990-169110	2832	GGCCCTCTCAAGGTCGTGTTCCATCTCAGGCGAGTGTGTGAGGAGCAAGGCAAGTTGAGGAAGAAAGGGGGCAGGACAGTGTGAGAGGCTTATGTAGGGCGGTACGTACAGTAACG	4
wt-169110-169230	2833	CGTGTTCCTGGGATGTAGGGCCGCGGGGATTGCGGGGTGTCGCGGAGCAGTACGGGTACAGATTCCCGAAAGCGGGCGGTGTGTGTGTCATGTAAGCGTAGAAAGGGGAAAGTAGAA	4
wt-169230-169350	2834	AGCGTGTGTTGTGTTAGAAAAAGCGGTCGCCGGGGCGCAAGCTGTGGAAATCGGTGGCCAAAGTGCACAGGAAATGGAAGGCGAGTGGGCAATCAGAAGGGGAGTGCCTAGTGTGG	4
wt-169470-169590	2836	CCGTATGGGAGCGGGTGGGCGGCTAGAGGGCTTAAAGGCTGAGGGGCTGACGAAAGCAGCAGGCGGATGAGGAGTGGCGGATTAGAGCGAAAAGGGGTGGGC	4
wt-169590-169710	2837	TGTGCGAGTGTGATGAGGCAGCGCCGAAAGTCTGCTGGGCTGGGGGGCCCGCAATTCCTGAAAAAGTGGAGGGGGCGTGGCCTTCCCGCGGGCCCCAGCCCC	8
wt-169710-169830	2838	CGCACAGAGCGCGCTACGCGGGCGGGCGGGGGTCTGGGGTCCGCGGCTCCGGGGTCTCGGGCGGTGGATGGCGGGACGTTCCGGGGATCGGGGGGTGGGGGGCGCCCGC	12
wt-169830-169950	2839	CGGGCCGACCCATGCTGACCGTGTGAGGGGGCAGGGTCGACGGGGTGTGTCTGGTGGGGGCGGGAGCGGGGGCGGGCGGGAGCTGCACGGCTTGAGGGGTAGAATGACAGGGG	8
wt-169950-170070	2840	GCGGGGACAGAGAGGGTCTGCAGCCCGGCGCCAGCAGCCAAAGGCGGGGAGCGGGCAATGGAGCGTGACGAAGGGCCCCAGGGGTGACCCCGCAAACGTGACCCCG	12
wt-170070-170190	2841	GGCTCGGGGTGACCCAGCAAGCTGACCAAGGGGCGCTGGTGTACACAGGCAACCTGACAAGGCCCGCCAGGAAAGACCCCGGGGGATCGGGGGTGGGCATGGGGGGCCG	8
wt-170190-170310	2842	CGCATTCCTGAAAAAGTGGAGGGGGCTGGCCTTCCCGCGGGCCCCAGCCCCGACAGCGCACAGAGCGGCGCTTCCGGGGATCGGGGGGCGGGGGTCCGGGGTCCCGGGTCCCGGGG	12
wt-170310-170430	2843	TGCGGGCGGTGGATGGCGCGGACGTTCCGGGGATCGGGGGGTCTGGGGGCGCCGCGGGCGGAGCCATGCGTGTAGCGTGATGAGGGGGCAGGGTTCGAGGGGGTGTGTCTGGTGGG	12
wt-170430-170550	2844	GCGGGAGCGGGGGCGGGCGGGAGCCTGCACGCCGTTGGAGGGTAGAATGACAGGGGGCGGGACAGAGAGCGGTGCGGCCCGGCGCGCCAGCAAGCCCCAAGGGGGGCGGGG	12
wt-170550-170670	2845	AGCGGCAATGGAGCGTGACGAAGGGCCCCAGGGTGAACCCCGGCAAACGTGACCCGGGCTCGGGGTGACCCAGCAAGCGTACCAAGGGGGCCCCGGTGGGTGACACAGGCAACCTGA	8
wt-170670-170790	2846	CAAAGGCCCGAGAAAGACCCCGTGGGCGATGGGGGCGCGCATTCCTGAAAAAGTGGAGGGGGCGTGGCCTTCCCGCGGGCCCCAGCCCGCGCACAGGCGCGCTAGC	8
wt-170790-170910	2847	GCGGGGGGCGGGGGGGTGGGGTCCGCGGGCTCCGGGGTCTGGGGGCTGCGGGCGGTGGATGGCGGGCGGAGTCCGGGGATCGGGGGGTCGGGGGGCGGGGGCGGCCATGCGTGA	12
wt-170910-171030	2848	CCGTGATGAGGGGGCAGGGTCTGCAGGGGGTGTGTCTGGTGGGGGCGGGAGCGGGGGCGGGCGGGGAGCCTGCACGGCTTGGAGGGTAGAATGACAGGGGGCGGGGACAGAGGGCGGT	8
wt-171030-171150	2849	GCGGCCCGGGCGCGCCAGCCAAAGCCCCAGGGGGGGGAGCGGGCAATGGAGCGTGACGAAGGGGCCAGGGTACCCCGGCAAACGTGACCCGGGGTCCGGGGTACCAGC	12
wt-171150-171270	2850	CAAGCGTGACCAAGGGGGCGGTGGTGTGACACAGGCAACCTTACAAGAGCCCCAGGAAAGACCCCGGGGGGATCGGGGGTGGGCGATGGGGGGCGCGCATTCCTGAAAAAGT	8
wt-171270-171390	2851	GAGGGGGCGTGGCCTTCCCGCGGGCCCCAGCCCGGCGCACAGGCGGCTACGGCGGGGGCGGGGGGTCGGGGTCCCGGGTCCGGGGGTCGGGGGGTGGATGGCGG	16
wt-171390-171510	2852	GCGACGTTCCGGGGATCGGGGGGTCGGGGGGCGGGCGGGGGCACAGCCATGCGTGAACCGTATGAGGGGGCAGGGTTCGAGGGGTCGAGGGGGTGTGTCTGTTGGGGGGCGGAGCGGGGGG	12
wt-171510-171630	2853	CGGGAGCCTGCAGCCGTTGGAGGGTGAATGACAGGGGGCGGGGACAGAGAGGCGGTGCGGCCCGGCGCCAGCCAAAGCCCCAAGGGGGCGGGGAGCGGGCAATGGAGCGTGA	8
wt-171630-171750	2854	GAAAGGGCCCCAGGGTGAACCCGGCAAGCTGACCCGGGGTCCGGGGTGAACCAAGCGTGACCAAGGGGCCGTTGGGTGACACAGGCAACCTTACAAGGGCCCCAGGAAAG	8
wt-171703-171823	2855	GGCCCGTGGGTGACACAGGCAACCTTACAAGGGCCCCAGGAAAGACCCCGGGGGGATCGGGGGGGTGGTGGCGGGGGTGGGGGGTGGATTTCGCCCTTATTGCCCTGTTT	8
wt-60-180	2856	GAATCCAGTATGCCTGCCTGAATTTGTGCGCCCTACCTCTTTGGCTGGCGGCTATGCCGCTCGTGTTCACGGCTCAGTTAGTACCGTGTGACCGCACCCGGCTTGCCCTCTC	4
wt-180-300	2857	ACTTCTACTCTGGCAGCAGTGGCCAGCTCATATGCCGCTGCACAAGGAAACTGCTGACACCGGTGACAGTGTACTGCGGTTGTCACTGTGAGTAGACACAGCAACATTACAATGC	4
wt-300-420	2858	ATGATGTTGAGATTGATGCTGTCTAACAGTTCACCTCTGCTTTCTCCCTCAGTCTTGAATTTGCCAATACAGGAGTTGAGGACCCACCTTTAATCTTCTGTTTTGC	4
wt-420-540	2859	ATTGCTGGCCGACGTGGGCGACTACAAGCATTACGGTTAGTGTGCTCTGTATGAAATGACAGTTGACTTCATATGATGCCCTGGCATGACGTCAACTTACTTTTATTTAGT	4
wt-540-660	2860	TCTGGTGTGCTTGTCTCTGACTAGCAGTACAGAAAGGAGATGCGCGCTTTGACTGTTTGTGGCGGCATCATGTTTTGGCATGTGACTTTGCTCCTCATCTGCAGCGTGTTCG	4
wt-660-780	2861	GCTGAGTCCCCTCTGGAGCTGTAACTGTTGGTTTCCATGACGCTGCTGCTACTGGCTTTCCGCTCTCTCCAGGGGCGCTAGGTACTCTTGGTGCAGCCCTTTAATCATT	4
wt-780-900	2862	GGCAGAGGTAAGCCACACAGTGAACCTGCTGGCTTTTTGCCATGTTTCTTGACACAGTAACTGCTGACCACTGATGATTAGCTGCTGACCTGTAAGCTGACTGATTTTTG	4
wt-900-1020	2863	GCACACTAAGTCTGACTACAAGTCTTCTCTGACTGCTTGAAGTTTCCCTTCCCTTAACCTAATACTTGTCTTTTGAATCGCAGCTCAACTTGGCATGTTTT	4
wt-1020-1140	2864	TACAGTGGTCTCTGATTGCTCTCTGCTCTTCTATGCTCACTGAGCAAGATCCTTCTGGCAGACTGTCTCTATGCTCTGGCCTCTTGGTGCAGCCTCCCGCTAATCGCTGG	4
wt-1140-1260	2865	TGGCAGTATTTGCAACAACCTCAAGAGTTTTAAGCAGCACTGAATTTATACCCAGTGTGATCTAATTTGACTCTCTTTAGTTGAAGAAAAACAGCTATTGATTGAACACACAT	4

wt-1260-1380	2866	TTTACGCTTTGTTCTTAGATTGTCTGCATGTTATTACTGATTGTCGCTGGCATACTCTTCTTCTGTATCCTGACCGAATGGGGCAGTGAAATAGAACATACGGTCCAGTTTTT	4
wt-1380-1500	2867	ATGTGCCTCGGTGGCCGCTACCATGTTAGCCGGCGCTGTGTGGCTGACGGTGTCTAACACGCTTTTGTCTGCCTGGATTCTACAGCAGGATTCTCGATTTTCTCATTGGTAAG	4
wt-1500-1620	2868	TGTGACACCAACAGGTGTTCCTTGTATGTCACCGTCTGACACATGACTTACATGGGTTTGGCTTTTGTAGGCTTTGCCCTCTTTGGGGTCATTAGATGCTGCCGCTACTGCTGTAC	4
wt-1620-1740	2869	TACTGCCTTACACTGGAAGTGAGGAGCGCCACCGACCCATATCGAACACTGTATAAAGTAAAGTATTATAAATTTTAGAGACACTATCACGTGTAACCTGACGTGCAAGGATGGA	4
wt-1740-1860	2870	AGAGAGGGGCAGGGAAACGCAATGCCGTGGCCGGTATGGGGCCCGTTTATTATGGTAAGGCTCTTCGGGCAAGATGGAGAGGCAACATACAGGAGGAAAGGCTATAGAGCTACT	4
wt-1860-1980	2871	CTCTGACCCACGCTCCGCGTCGGCTGACCCGGCCCGCTGATTGCTGAGAACCCTGCTAGTGTGGCCTGCTGGCACCAACACGATCCAGGCTCAGCGTCAGGAGAGGGCCAG	8
wt-1980-2100	2872	AGAACTGGCCCTCGTTGGCATTACTAGGACGCCAGCCCGCCGCTGTAACACTTCGGTACGACGGAGATGCCCTGAGGCGCTCAGGCAACAACTATGTGTATGCCCTACGGACAGATGGAT	4
wt-2100-2220	2873	GGCAAGGCCCTCCACATGGTCCGCGGAAATCCAGCAATTCCTGCGACTCCTGGGCGCCACGTACGTCTTCGCGTGGAGATGGGCAGGCAGTTTGGCTTCGAGGTGCATAGAAGCCGGCC	4
wt-2220-2340	2874	CTCCTTCGCTCAGTCCAGGCCATCAATCACCTTGTCTGTTTGTGACAACGCCCTTCGCAAGTACGATTCGGCCACAGTGGCGCGGGCTCCAGAGGGCCCTTCTGTTGGCCGGCCGAGA	4
wt-2340-2460	2875	GACCCTGACACGAGCGCCGACCTCCGCAAGCTGAATGAGTGGTGTGGTGGCAGGGCTGCTGGTGGCAGACAGCTGGCCGACGAGCTAAAGATCGTTCGCCGCTCGCAGACACTTA	4
wt-2460-2580	2876	CTCGGGCCACTTGGTCTTACGCCACGGAGACCTTGACACATGGAAGTGTGAGCAGGGACACAGCAACCCTCATAGTTTGGACACGATTCATTATGCCCGGGGACCATCCA	4
wt-2580-2700	2877	GGCCAACTGCCACAGCTGTTTATGAGACGCCAGCCCGCCGCTTTCCCTTGTAAATGCAATAGCATCATCGCTGGCTGGTACTACCAGACGCCACCCGCGCCGAGCAGATGC	4
wt-2700-2820	2878	CAGGGCGGCGCCCGGCCAACAGGCCCTTTCAGACCAGGGCGGGCTGAATGCCATGCCAAAAGCGGGTGGCGGCTGCTGGCCGGCTTTCAGAGACCATCAACGCCACGCTCAAGGG	8
wt-2820-2940	2879	AGGAGAGGGCTACAGCCCACTATGTTTAAAGGGGAGCTGGGGCCATCAAGCACCAGGCACTTGACACTGTGAGGTATGACTACGGCCACTATCTATAATGTTGGGGCCATCCAGCC	4
wt-2940-3060	2880	ATGGAGCGGACTGACGGCCCTCCGTGCCCTACGCCGAAAGTTCATGGGCACAGCGGCCGTCGACAGCGCCCTCGAGCTGTTCTCGCCCTGTACCCGCCCCGTGCATCTCGGGCTA	8
wt-3060-3180	2881	CGCGCGCCCCGGGGCCAGTGTGTGATCGAGCATCTGGGGTCCCTAGTTCCAAAGGGGGTCTGCTGTTTCTGTCTCACCTACCCGATGATGTTAAGGACGGGCTCGGAGAAAT	4
wt-3180-3300	2882	GGGGCCGGCCAGGGCCACGGACCTGGAATGCAGCAGTTTGTACAGACTACTTCTCAACCCCGCTTCCAAACCTTTCATTACAGTGAAGCAGCGAGGGGAGAAATCAACGGCCG	4
wt-3300-3420	2883	TACCGTCTCAAGCGCTCGGACGCGCATGCGATATGGCAGGCTGCCAGCACTATGTGCTGGGCTCCACGGTTCCTCGTGGACTCAACTTGTCAACGACCTGGCGTCCCGGTTTC	4
wt-3420-3540	2884	CACCGCGAGATGATGGATGATTTCTCTCCCTTTCACCGTGGAGTTCCCGGATTCAAGAGGAGGGCCAAAGTTCCTCGGTACCTTAGATGTGGACGAGAGCATGGACATCTCTCC	4
wt-3540-3660	2885	GTCTTACGAGTTCGCCCTGGCTCGCTGGAGTTCATGCCTCACAAGCATCCTGTACACCCACCAGTGGGAAGCAAGGAGCACTTGGTACGGCACACGGACAGGGTCAGCGGAGGACGGT	4
wt-3660-3780	2886	GGCACAGCAGCCCGGGTAGTCCCTGGACCTGCCGCTGGCGACTACGCTTCTGTTGCCACAGCTAGGCTGTGGACAGGCCGGTGGGGCTCTCCCTTGCCTATCGTACCTGGGA	8
wt-3780-3900	2887	TCGAATGACAGAGAAGCTGCTTGTCTCCGAAAACCGCGGGAGAGAAAGCTTAAAGTTTTCAGGTACCGTATTAGTTGGGAGAACAGGGGTAACAAGTGTCTGGATCTGAGGGAGGG	4
wt-3900-4020	2888	AACCAGGCTGGCAATGGCTGAGGCGTGTGAACGACGATGTGCCCAATCTGGATCCGGAAGACGCTTGTCTCACCTGCATCTACACCTGGATCCGCGCGGGCAGACAACCTCGGC	4
wt-4020-4140	2889	CGTGTGAGGCTATGACGGCGGAGTACTACGCGCTGGCTGGCGTGAAGCTGACCTTTGGCTCGGCTCTGCCCGAGACCGGCTCGTCCGCTCAACTTCATGACCGTGGT	8
wt-4140-4260	2890	GGCCTCTGTCTCCGCCACAGGGAAATCTCGGGTCTCTGATCAGCCAGTGTTCAGAAAGCGGGCAGTCTCTGATTGCGGTGCGTTCGCGGGATGGCAAGATCCAGGGAGGTCGCT	4
wt-4260-4380	2891	GTTTGAGCAGCTTTAGCGACGTGGCCACGACCCACGGGACCCGAGGCGTGTCTCTGAAGAATCTTCCCGGCGAGTCCAGCAGCTGGTCAAGAGCGGCATCGTGTGTCAGGGCA	4
wt-4380-4500	2892	TGACATCAGCAGCGGGGCTGGTACCTGCTGTGGAGATGGCCCTGGCCGGCAGCGGGAGTGACATCACTATGCCGTGGCTCCGACTACCTCCGGAGATGTTTGCAGAGCA	8
wt-4500-4620	2893	CCCCCGCTGGTGTGAGGTGGAGGAGCGCAGCGTGGGTGAGTGTGCTGACAGCCCTCGCTCCATGAACATGTACCCGCGAGTCCCTCGGTGAGTGGCGAGCAAGGTCCAGATAAAT	4
wt-4620-4740	2894	GTTTGAGGTGCAGCAGCGCCAGAGACGGTGTGCGCCAGTGCCTGCGCTGCTGCTGGAACTGGTATCTTTTCCAGCGAGCAGTACGAGTGCCTGCGACCAGATCGGATTAACCG	4
wt-4740-4860	2895	GTCCATGCACGTGTCCGACTACGGCTATAACGAAGCACTGGCAGTCTCCCGTGTGACAGAAAGAAATCTACGCCACGCGGTTGGTGAACAGGCTGACCCACGATGTGAGGTGGCCGT	4
wt-4860-4980	2896	GCTATGCGCCCGGGCACCAGGGCCATGAAAGCCTCTGGCGGCTTACGAATGCCGGATGCCTGTGCCGACGGGTGTTCTTCCGCGAGGTTAGGGACAACAGTTCCTCGACAAGTA	4
wt-4980-5100	2897	CGTGGTCTGGCCATCGGAGGATTCATGGGGCAGGACTTGCCTGGCAGGCCGTGCCACCGTGGCGCTGATTAATCGTTTCCCGCCCTGCGTGAAGTATTCTAAAGTTCTCAA	4
wt-5100-5220	2898	CAGGCCAGATACGTTCTCGGTGGCCTTGGGGAGCTGGGGTGAAGTTTGGCTGGCCTGGGGCCGTGGGGTCAACAGATAATCCACCCGCCCTGGCGTGGAAAGTAAATGTCAGAG	4
wt-5220-5340	2899	ATCACCTCTGATTCTGGCCCCAACGCCCTTGGCATGTTTGTAGTCCCGCTGGCTGAACATTAGCATCCCGGCGACCACGCTGTGCATGCTGCGTGGCCTCCGGGGCTGCGTCTGCC	4
wt-5340-5460	2900	TTGTTGGTGCAGGCTCGTGCCTGGCCGTCGAATTTACTAACCTCGGGATGCCATATGTTTTGCAGAATGCCACCAGATCGCTGCCACTTCCACAGCAATGGCACGGATGCTGGCG	4
wt-5460-5580	2901	CTTTGCTATGAATTTACAAAGAACCCACGGAGCAGGGCAACATTGCAGGGCTCTGTTACGCGATGGTGTGATCTGGCTCTCTGTGTGACCCCTCACTTTGTACAGACTTTTGGA	4
wt-5580-5700	2902	ATGGGAGCACATTCGCCCGCTTTGGGCACCCACGGGCTGCTCCCTGGACACTTATGTTTCAAGCAGTCACTATGGTCACTCAGGCAGGTCGCCCTCCGAGTGACCAGTCAAC	4
wt-5700-5820	2903	CTTCCAGACTATGCATACACTGAATTTAGCCTGATATTTGCCCTAGCCCGGGCCACGCCCTCTCAGAAAACTCGCATGGAGAAGCTGGACGTGAACCTCCCGCCAGCCTGTGT	4
wt-5820-5940	2904	GCTGTATTTACAAACTACAATAAACCAATGTGCAAAATGTGGTTGTATGGTACTTTGTGTTCTAAAAAATGCAACAATAGAAGTGGAAACCCCTCAGTCACGGGACATTAACTCA	4
wt-5940-6060	2905	ACCACAAATGGGGTTGGAGAAAGTAAACCACATATACTGGAGATGATTCATGGGCTGGGGTTCGGGACAAATACCCATCTGGAGTTCAACTAATTACATGGTAGATAAAATTAAGA	4
wt-6060-6180	2906	GTCCCTCCTACCACCTGAAACTATGGCAGACATTCTATAAGATAACGAGGAGAGATGAGGTGAGGGCAGAGGACATTTGGCAGGTGTGGCCACGGGGCAGCTGGCCATATCCCGGCA	4
wt-6180-6300	2907	CTACAGAAGTGAAGCAAGTGAAGGCTCGGAAGGCGAGGGCGGCTAGCAATGTACAGCTAAATGCCACCAGGGCACACACTCAAGCGGGTCTCGGAGCTCTAGGTGACAGCCAC	4
wt-6300-6420	2908	GAAAGGTGACCTGCAAGGTGGATGGCGTGTCTGAGGTTATCCCGCTACGTGCAAGTCTGGGTGATAGAGACCCTAGAATGTGCAAAATGACCAAGCTGCCCGCAGCGGGGCTC	4
wt-6420-6540	2909	CCAACACGGGTTCCAGAGAGGGTAAAAGAGGGGCCATAAAGCCAGGGTGTAAAACACCAGCCGCGCCACCAGATGGCACAGTGGGGGAAATGAGGGTTAGCATAGGCAACCCCGC	4
wt-6540-6660	2910	CTACACACCAACTATAGCAAACCCGCCCGTACGGTACGCTAGTCTGTCTTGGAGAGATGTAGACTGTAGACACTGCAAAACCTCAGGACCTACGCTGCCCTAGAGGTTTGTAGG	4
wt-6660-6780	2911	GAGGAGACGTGTGTGGCTGTAGCCACCCGTCGGGGTACAAAGTCCCGGGTGGTGGAGCAGGTGTCTGTGGTTGTCTTCCAGACTCTGCTTCTCGCGTCTCGGTCAAGTACAGCTGG	4
wt-6780-6900	2912	TGGTCCGATGTTTGTATCCAACTTTGTTTGTAGGATTTATGCATCCATTATCCCGCAGTCCACCTAAACCGGGCTTAAAGTTCATCCCAAGAGATGACCGCTTAAACCCGCTACA	4
wt-6900-7020	2913	ACGGTACAGTGTGTTTACCAGCATGATAGAGTTACGGTTCGCTACATCAACAGGACAGCCGTTCCGCTAGTGGTTTCGGACACAGCCCAAGCTCAGTGGGCTGACCCGCG	4
wt-7020-7140	2914	AGGTCAAGTCCCGGGGAGGAGAGAGGCTTCCCGCTAGACACTTTCGCAAGTCAAGTCTCTAATCCCTTGGGAGAAAGGTTATCGGCTTGTCCGCTATTTTTTGTGGCTAGTT	4
wt-7140-7260	2915	TTGCACCCACAACATGTAAGGGCCGCTACCCCTACAACAAAAACAACATCTCCCTAACCATCTTTTGCATCAATTTCTGTGACAGGGTTTCTGGACACCCAGTCTTAGTTCA	4
wt-7260-7380	2916	GGTAGACACCCAGTTATGACGTGCCACCAATCCAACTTTTTAAACCTCTGGAATTTCTATCAATAAACGGCATGCAGGAAAAGGACAAGCAGGAAAATTCACGCCCTTGGGAGG	4

wt-7380-7500	2917	TGGCGGCATATGCAAGGATAGCACTCCACTCTACTACTGGGTATCATATGCTGACTGTATATGCATGAGGATAGCATATGCTACCCGGATACAGATTAGGATAGCATATACTACCCAG	4
wt-7500-7620	2918	ATATAGATTAGGATAGCATATGCTACCCAGATATAGATTAGGATAGCCTATGCTACCCAGATATAAATTAGGATAGCATATACTACCCAGATATAGATTAGGATAGCATATGCTACCCAG	4
wt-7620-7740	2919	ATATAGATTAGGATAGCCTATGCTACCCAGATATAGATTAGGATAGCATATGCTACCCAGATATAGATTAGGATAGCATATGCTATCCAGATATTTGGGTAGTATATGCTACCCAGATAT	4
wt-7740-7860	2920	AAATTAGGATAGCATATACTACCCCTAATCTCTATTAGGATAGCATATGCTACCCGGATACAGATTAGGATAGCATATACTACCCAGATATAGATTAGGATAGCATATGCTACCCAGATAT	4
wt-7860-7980	2921	AGATTAGGATAGCCTATGCTACCCAGATATAAATTAGGATAGCATATACTACCCAGATATAGATTAGGATAGCATATGCTACCCAGATATAGATTAGGATAGCCTATGCTACCCAGATAT	4
wt-7980-8100	2922	AGATTAGGATAGCATATGCTATCCAGATATTTGGGTAGTATATGCTACCCATGGCAACTATAGCCACCCTGCTCTGACGACCTCGTGAATATGAGGACCAACACCCCTGCTTGGCG	4
wt-8100-8220	2923	CTCAGGGCAGTGTGTGTAATTTGCTCCAGATCGACAACTGACCCGCCCTATCTGGGCCGCCACTACTTATGCAAGTATTCGCCGGGTGCCATTAGTGGTGTGGGCAAGT	4
wt-8220-8340	2924	GGTTTGACCCGAGTGGTTAGCGGGGTACAATCAGCCAAAGTTATTACACCCCTATTTTACAGTCCAAAACCCGAGGGCGGCGTGTGGGGGCTGACGCGTGCCCCACTCCACAATTTCAA	4
wt-8340-8460	2925	AAAAAAGAGTGGCCACTTGTCTTTGTTATGCGCCCATTTGGCGTGGAGCCCGCTTAATTTTCGGGGGTGTAGAGACAACCAAGTGGAGTCCGCTGCTGCGGCGTCCACTCTCTTTCC	4
wt-8460-8580	2926	CCTTGTACAATAAGAGTGTAAACAATGGTTCACCTGCTTTGGTCCCTGCCTGGGACACATCTTAATAACCCAGTATCATATTGCACTAGGATTATGTTGGCCATAGCCATAAAT	4
wt-8580-8700	2927	CGTGTGAGATGGACATCCAGTCTTACGGCTGTCCCACCCCATGGATTTCTATTGTTAAAGATATTCAGAATGTTTCATTCTACACTAGTATTTATGCCAAGGGTTTGTGAGGG	4
wt-8700-8820	2928	TTATATTGGTGTACATAGCACAATGCCACCCTGAAACCCCGCTCAAATTTTATTCTGGGGCGTCACTGAAACCTGTGTTTCGAGCAGCTCACATACACCTTACTGTTCAACTCAG	4
wt-8820-8940	2929	CAGTTATTCTATTAGCTAAACGAAGGAGAATGAAGAAGCAGGCGAAGATTGAGGAGAGTTCAGTCCCGCTCCTTGATCTTACGCCACTGCCCTTGTGACTAAAATGGTTCACTACCCCTC	4
wt-8940-9060	2930	GTGGAATCCTGACCCCATGTAATAAAACCGTGACAGCTCATGGGTGGGAGATATGCTGTTCTTAGGACCTTTTACTAACCTAATTGATAGCATATGCTTCCCGTGGGTAACA	4
wt-9060-9180	2931	TATGCTATTGAAATAGGGTTAGTCTGGATAGTATATACTACTACCCGGGAAGCATATGCTACCCGTTTAGGGTTAAACAAGGGGGCTTATAAACACTATTGCTAATGCCCTCTTAGGGT	4
wt-9180-9300	2932	CCGCTTATCGGTAGCTACACAGGCCCTCTGATTGACGTTGGTGTAGCCTCCCGTAGTCTTCTGGGGCCCTGGGAGGTACATGTCCCCAGCATTGGTGTAAAGAGCTTACGCCAAGAGT	4
wt-9300-9420	2933	TACACATAAAGGCAATGTTGTTGCAAGTCCACAGACTGCAAAGTCTGCTCCAGGATGAAAGCCACTCAGTGTGGCAATGTGCAATCCATTATAAGGATGTCAACTACAGTCAGAG	4
wt-9420-9540	2934	AACCCCTTTGTGTTGGTCCCCCGTGTACATGTGGAACAGGGCCAGTTGGCAAGTTGTACCAACCAACTGAAGGATTACATGCACTGCCCGCGGAAATACGCTCCTACCCAGG	4
wt-9540-9660	2935	AACCCGAAACAGTGTTCAGAGAAGCTGTAATAAAGACGCCCTGGAAGTGCACACTGTGCAATGCAGCTTTAGCCATGCCATGCTCTATAAATCACTTCCCTATCTCAGGTAGGCC	4
wt-9660-9780	2936	TGCACACCTTAGGTATGGAGCGAAGGTTAGTGGTCACTCTGCAGTGCCTGGTGTGCTTTACCTGGCACCTGAGTGTGGAGGTACAGACCAATGTGACAATTTTCCCAAAATGTTGAGGG	4
wt-9780-9900	2937	ACCTAAGAGATGCCCTCAGTCGTGTTAAACCTTTTTCCAGACAAGGACGAGGTAGATAACCTTTTGCTCAAGGAGTCTCTGCTAGAGGACTTTAAGGGCTACCTTGGATGCCAGGCC	4
wt-9900-10020	2938	TGTCAGAAATGATCCAATTTCTACTCGGGAAGTCTGCCCACAGGCTGAAAACCCAGGACCTGAAAGCCAAAGACCATTGCAATTTCTTTGGGTGAAATGTAAGACCCTACGGCTCCGCC	4
wt-10020-10140	2939	TGCGCAGGTGCCACAGTTCCTGCCGTGTGAGAACAAGAGTAAAGCTGTGGAACAGATAAAAAAGTGCCTTTAAACAAGCTGCAAGAAAAAGGAAATTTACAAGCCATGAGTGAATTTGACA	4
wt-10260-10380	2940	AAATGAAACCTTTTATTCTTGATTGCCCTTGTGTTCTTCCGCCAGGTACCTTCTGTGTTCTCCCCACGGAAAAAAGAAATAGCTTCTGCAGAAGGCCATTGACGCAAGTTTGGCCG	4
wt-10380-10500	2941	TGGGGATTACCCGACCCAGCCACTTACAGCACATTTTGTCTAGGTCCATCTTAGGAGCCCGGGCCAGCATTCTATCAGCTTAAACGGGAAGAGAAGTGGGGAGGGCACTCGCCACTAAC	4
wt-10500-10620	2942	CTTAACACCTGCAGCCTACAAAAGTACACTAGCTGTTTGTCTATTTCGCCACTAGAGACCCCAAGATGCGAAACTACAGGCCCGGGCCAGGCCCTGCAGGGCAGACGGTTAGGCTGAC	4
wt-10620-10740	2943	AAGGGACCAAGTGTGGCAGTGGCGGGGAAGGGGACAAAGAAATGCCGGGAACTGGACCCGCTCACCCCGCCCTCAAGCGTCCGGAGCCGGGGCTCGCTAAGGAGGGCGGCCCT	8
wt-10740-10860	2944	TGCCAACAATATTAGTAGCTACCAACAAGGGCCCCAGATGCCCCCAAGATCACCCCGGTGTCCCACTCACATATCCACTTTATTTTAAATTAATGTGCCCAATTAGAAACC	4
wt-10860-10980	2945	CAAGCGCAGAAATAGTTGAGAGGCTAGTGTTTAAACATGCACCTTAGGCCAGCCAGAGATAATGTCACAAGATTATCAAGTTGGTGTAAACACGCCGTGGGAAAAAATTTATGGTTCA	4
wt-10980-11100	2946	GTGCGTCGAGTCTATCTTTGGAACAGTAGAAAATGAACTTGTGGCGGGAGAAAGAAATACGCCCTTATCTGGGAGGAGCGACGGATTATAGCCAATAAGAGAGCTCAAGACCGCAGGG	4
wt-11100-11220	2947	CTCGCAAAGTATAGTGGCCCGTGGACCTTAGAGGTGGAGCAACGTCTAAAGTGGTAAATACACCAGGCGGGGCTGGGCAAAGGGTCTACGGGCGGGGATTAATACGCCCTTGTCTAC	4
wt-11220-11340	2948	GCAAGCTCAGTTAATTCGCCACGACTTGAAAAATGAGCCCTTAAACCAATTTGGCGGCCCTAAGGGGGGACTAAGTCCCCTACAAAAACTCTGTCTGTCTGCAAAATTTAGATC	4
wt-11340-11460	2949	AGATGGCATAGAGACAAGGACACCCGAAGCCACCCAGAGCCCTATCGCAGGGTCTTACCATGCGGCCATGTAGGCCACTTAACTACAAGACCTACGCCCTTCCATTATCATGTAA	4
wt-11460-11580	2950	CCCACAAATCATCTAAACCGTAAGTCTAAGGGCCTCCTGAGGTTTTCTCAGGAGGCCCTAATGTATAATTAATCATGCATTTGATTTTAAAAAAGTAGGTTACACTCATTTTAGGCCAGA	4
wt-11580-11700	2951	CTTTATTGCGAGATTAATAATTTATGTATTCTCCTTCCCTTAGGACTGAAGAAACAGCCCTCTGCAGTGTAGCATGTATCTGAAATAATTTATGTATAGTGAATGATTAGAAA	4
wt-11700-11820	2952	GTCATAAACCCACTTCCCTTTACATGAATCTGGGCACTGAAATTTTGGGTACTCTTAAAGACTAACGTGTTGATTTTGGGGTCACTTCCCTTTTATAAGTGTGTGAACAGTGAATTTCA	4
wt-11820-11940	2953	GTAACACTAAGAGATATTTGGTGTCACTTCCGCTTTAAGTTTTCAGAAAATTTAAAAATTAATTTGAAATTTCTCTCAAAAATTTCCAATGAAACTTCAAGAATCTTATGTATG	4
wt-11940-12060	2954	TAATTTCTTTTGGCCAAACTGGGCTTCCAGATGCTTCTATTGCACTCTCAAAAAAATTTCTGGACACATGTGCCAGACGCTGGGCTTAAAGGCCCTCGGGTCCCTGGACCCCGGC	4
wt-12060-12180	2955	CTCAGCAACCTGCTGCTCCCTCCTGCCACCCAGCCCTCCCCCTCCCGTCCCGCTCGCTCCTGTTCTCCCGGGTCCCCAGTAGGGCCGCTGCCCCCTGCACCCAGTACCTG	8
wt-12180-12300	2956	CCCTCTTGGCCACGACCCCGGGCCAGGCCACTTAGACCCGGCCAAAGCCCATCCCTGAAGACCAGCGGCCATTCTCTGGTACGAGCAGAGAAGAAGTAGAGGCCCGCGCCAT	8
wt-12300-12420	2957	TGGGCCAGATTGAGAGACCAAGTCCAGGGCCGAGGTTGGAGCCAGCGGGCACCCGAGGTCACAGCACCCGCTCCCTCCGGGGGACAGAGACAGGAGGGCCCGCCCGGAGCTGGCC	8
wt-12420-12540	2958	GAGGAGGCGCCGGAGTGGGGCCGCTCGGCTGGGCTGGCCAGCCGGGCTGAGGAGTCTGGGGTGGCGAGCCTGCTGTCTCAGGAGGGGCTGGCTCCGCCGGGTGGCCCTGGGGTAA	12
wt-12540-12660	2959	GTCTGGGAGGACAGAGGCTCGCCCTAGGCCCGGGGAAGTGGAGGGGATGCGCCGGTCTGTTGGCAGAGTCCGGGATCCTCTGAGACCTCCCGGGCCGAGCGGTCGCCCTCAGC	8
wt-12660-12780	2960	CCCCAGACAGACCCAGGCTCTCCAGGCAGGCTCCGGCATCTTACAGGGCAGCAGGCTCACCACCACAGGCCCCAGACCCGGTCTCGGCCAGCCAGCCGACCCGCCCGCTG	8
wt-12780-12900	2961	CGCTCCTCGGGCCAGCCCGGGGTTGGTCTGCCCTCTCTGTCTTCCAGAGGAACAGGACCTCGGGCACCCAGAGCCCTCGGGCCCGCTCCAGGCCCTCTGGTCTC	8
wt-12900-13020	2962	CGCTCCCTCTGAGCCCGTTAAACCCAAAGAAATGTCTGAGGGGAGCCACCTCGGGGCCAGGCCCCAGAGTCCAGAGGTCAGGGGACCTCAGGGTGCCTCCCGGGTCCAGGCCAG	8
wt-13020-13140	2963	CCGGAGGGACCCCGCAGCCCGGGCGCCAGAGGCCGTTCTCGCCCTTCCCGGGCTCAGAGCCAGGATGCCCCAGAAGGACCTTAGGGCTCCCTCTCTCCCTCCCTCCAG	8
wt-13140-13260	2964	CGCCGAGCTCTCCCTCGGGGAGGGCCCTAGTGGCCCTCAAGTGGCCACCCAGGACCCGAGTGGCCGGATCCTCTGAGACCTCCCGGGCCGAGCGGTCCTCTGTCCTCCCTCTCCAA	8
wt-13260-13380	2965	CCTTCTGCTCCACCCTAGACCCAGCTTCTGCGCTCCCGGCTCACACAGGCCAGCCCGGACCCCGGACCCCGGAGTGCCTTCCCTCTCCCTCGGCTCTCTCCCGCTCC	8
wt-13380-13500	2966	CACCCGAGCCCTCAGCTTGCCTCCACCCGGGTCATCAGCCGGCCGAGGAGCCCGGGCGCCGGTGTGAGTCCCTCTGAGCCGCCAGCTCTGCTCCAGGCAAGGGCGCC	12
wt-13500-13620	2967	AGCTTTTCTCCCCAGCCTGAGGCCAGTCTCCTGTGCACTGTCTGTAAGTCCAGCCTCCACGCCGCTCCAGGGTCCCGGGCCAGCCTCGTCCACCCCTCCACCGTGGACAGG	8

wt-13620-13740	2968	CCCTCTGTCCACCCGGGCCATCCCCGCCCCCTGTGTCCACCCAGTCCCGTCCAGGGGGGACTTTATGTACCCCTTGGGCTGGCTCCCATAGACTCCCATGTAAGCTGCGCTCGAGT	8
wt-13740-13860	2969	AGGTGCCTCCAGAGCCCTTTTGCCTCCGCGGCCAGCCGACCCCGGGCCGCCCAAACCTTTGTCCAGATGTCCAGGGGTCCCCGAGGGTGAGGCCAGCCCTCCCGCCCTG	8
wt-13860-13980	2970	TCCACTGCCCGGTCCCCCAGAAGCCCAAAAGTAGAGGCTCAGGCCATGCGCGCCTGTACCAGGCTGCCAAAGAGCCAGATCTAAGGCCGGGAGAGGCAGCCCAAGCGGGTG	8
wt-13980-14100	2971	CAGTAACAGGTAATCTCTGTGTAGTATTGGACCCGAAATCTGACACTTTAGAGCTCTGGAGGACTTTAAACTCTAAATAAATAAACTTTAGAGGCGAATGGCGCCATTTTGTCCCA	4
wt-14100-14220	2972	CGCGCGCATAATGGCGGACCTAGGCCATAAACCCCGAGGACGGGTCTATGTTGGTGCCTGTCTATCTTTAGAGGGGAAAAGAGGAATAAGCCCCAGACAGGGGAGTGGGCTT	4
wt-14220-14340	2973	GTTTGTGACTTACCAAAGTCAAGGCCCAAGGGGTTCCGCTTGTAGGCCACTTCTCAGTCCAGCGCTTTACGTAGCCAGACAGCAATGTCAGTTCTAGGAGGGGGACC	4
wt-14340-14460	2974	ACTGCCCTGGTATAAAGTGTCTGACGCTATTTCTGTGTCATGATCCCCGGCTTCCAGGCCCTCCAGCCCTCCGCTCCAGAGACCCGGGCTTCTACCTCTCCCTAGCCCTCCGCCCT	4
wt-14460-14580	2975	TCGGGCCCCAGTTTCTAACTTTTCCCTTCCCTCCCTCGTCTTGCCTGCGCCCGGGGCCACCTTCATCACCCTCGTGTACTCCGCCATCCAAGCCTAGGGGAGACCGAAGTGAAGGCCCT	4
wt-14580-14700	2976	GGACCAACCCGGCCCGGCCCCCGGTATCGGGCCAGAGGTAAGTGGACTTAAATTTTTTCTGCTAAGCCCAACTCCACCACACCCAGGCACACACTACACACCCACCCTGCTCAG	4
wt-14700-14820	2977	GGTCCCTCGGACAGCTCTAAGAAGGCACCGTCCGCCAGCTACCAGAGGGGGCAAGAACCAGCCAGAGTCCGTAGAAGGGTCTCGTCCAGCAAGAAGAGGAGGTGGTAAGCGGT	4
wt-14820-14940	2978	TCACCTTCAGGGTAAGTAACTGACCTTCCAGGGCTACATAAAGGAGGCTTAGTATACATGCTTTCTGCTTTTACAGGAACCTGGGGGTAGTCTGGGTGGGATAGGCTGCCTC	4
wt-14940-15060	2979	AAGTTGCATCAGCCAGGGCTTCCGCTCCCTCAGTCCCTGCTCCCGGGCTTCCAGGCCCTCCGCTCCAGAGACCCGGGCTTCCAGCCCTGCTCTCCCTGTTACCTTT	4
wt-15060-15180	2980	TAGAACCACAGCCTGGACACATGTGCCAGACGCTTGGCCTCTAAGGCCCTCGGGTCCCCCTGGACCCCGCCCTCAGCAACCTGCTGCTCCCTCCTGCCACCCAGCCTCCCCCTC	8
wt-15180-15300	2981	CCCGTCCCCCTCGCTCCTGATCCTCCCGCGTCCCCAGTAGGGCCGCTGCCCCCTGCACCAGTACCTGCCCTTGTGGCCAGCCACCCGGGCCAGGCCACCTTAGACCCGGCCAA	8
wt-15300-15420	2982	GCCCCATCCCTGAAGACCCAGCGCCATTTCTCTGTGTAACGAGCAGAGAAGAAGTAGAGGCCCGCGCCATTGGGCCAGATTGAGAGACCAGTCCAGGGGCCGAGGTTGGAGCCAGC	4
wt-15420-15540	2983	GGGACCCGAGGTCCAGCACCCGGTCCCTCCGGGGGCGAGAGACAGGCAGGGCCCCCGGCAGCTGGCCCGAGGAGCGCCCGGAGTGGGGCCGGTCCGCTGGGCTGGCCGAGCCCGG	12
wt-15540-15660	2984	GTCTGGGAGGTCTGGGGTGGCGAGCCTGTGTCTCAGGAGGGCCCTGCTCCCGGGGTGCCCTCCAGCAAACTGTAAGAGGGGGTAAAGTCTGGAGGCAGAGGGTCCGCTTAGGCCCGGGGAAGTGGAGGGGAT	8
wt-15660-15780	2985	CGCCCGGTCTGTGGCAGAGTCCGGCGATCCTCTGAGACCCTCCGGCCCGGACGGTCCGCTCAGCCCCCAGACAGACCCAGGGTCTCCAGGCAGGGTCCGGCATCTTACAGGG	8
wt-15780-15900	2986	GCAGCAGGCTCACCACCAGGCCCCAGACCAGGCTCTGGCCAGCCAGCCGACCAGCCCGCCGCTGGCCCTCCTGGGGCCAGCCCGGGGTTGGTTCTGCCCTCTCTGT	12
wt-15900-16020	2987	CCTTCAGAGAACCCAGGACCTCGGGCACCCAGAGCCCTCGGGCCCGCTCCAGGCCTCCCTGGTCTCCGCTCCCTCTGAGCCCGTTAAACCCAAAGAATGCTGAGGGGAGCC	8
wt-16020-16140	2988	ACCCTCGGGGCCAGGCCAGAGTCCAGAGGTCAGGGGACCTCAGGGTCCCTCCCGGGTCCCAAGCCAGCCGAGGGAGCCCGGCAGCCCGGGCGGCCAGAGGCCGTTCTCCG	12
wt-16140-16260	2989	CCCTTCCCGGGCTCAGAGCCAGGATGCCCAAGAAGGGACCTAGGGCTCCCTCCTCCCTCCAGGCCGAGCCCTCTCCCTCGCGGAGGGGCTCTTTGGGCCCTAAGTC	8
wt-16260-16380	2990	CAGCCCCACCGAGACCCGAGTGGCCGGATCCCCCACCAGCCCTTCTCTGTCCCTGCTCCTCCAACCTTCTGCTCCACCTAGACCCAGCTTCTGGCCTCCCGGGTCCACCA	8
wt-16380-16500	2991	GGCAGCCGAGGGACCCCGCAGCCGGGAGTGCCTTCCCTCCTCCCTGCTCCTTCCCGCTCCACCCGAGCCCTCAGCTTGCCTCCCACCGGGTCCATCAGCCCGC	12
wt-16500-16620	2992	CGGAGGGACCCCGCGCCCGGTGTGCTCCCGCTGACGCGCCAGTCTGCTCCAGCAAGGGCCAGCTTTTCTCCCCAGCCTGAGGCCAGTCTCCTGTGACTGTCTGT	8
wt-16620-16740	2993	AAAGTCCAGCTCCACGCCCTGCCAGGCTCCCGGGCCAGCCTCGTCCACCCTCCCAAGGTCAGCCGCTGTGCCACCCGGCCATCCCCGCCCTGTGTCCACCCAGTC	8
wt-16740-16860	2994	CCGTCCAGGGGACTTTATGTACCTTGGCTGGCTCCCATAGACTCCATGTAAGCTGCCTCGATAGTGTCTCCAGACCCCTTTTGCCTCCGCGCCAGCCGACCC	8
wt-16860-16980	2995	CCGGGCGCCCAAACTTTGTCCAGATGTCCAGGGTCCCGGAGGGTGAAGCCAGCCCTCCCGCCCTCCAAGGACTCGGGCCAGTTTCTAACTTTTCCCTTCCCTCCCTGCTTGCCTG	8
wt-16980-17100	2996	CATGCGCCCTGTACCAGGCTGCCAAAGAGCCAGATCTAAGCCGGGAGAGGCAGCCCAAGCGGGTGCAGTAACAGGTAATCTCTGGTAGTATTGGACCCGAAATCTGACACT	4
wt-17100-17220	2997	TTAGAGCTCTGGAGACTTTAAACTCTAAATAAATAAACTTTAGAGGCGAATGGCGCCATTTTGTCCCAACCGCGCATAAATGGCGACCTAGGCCTAAACCCCAAGAAAGCGGGT	4
wt-17220-17340	2998	TATGGTTGGCTGCGCTGTCTATCTTTAGAGGGGAAAAGAGGAATAAGCCCCAGACAGGGGAGTGGGCTGTTTGTGACTTACCAAAGGTCAGGGCCCAAGGGGTTCCGGTGTCTA	4
wt-17340-17460	2999	GGCACCTTCTCAGTCCAGCGGTTTACGTAAGCCAGACAGCAGCAATTGTGACTTCTAGGAGGGGACCAGTCCCTGGTATAAAGTGGTCTGCAGCTATTTCTGGTGCATCAG	4
wt-17460-17580	3000	AGCGCCAGGAGTCCACACAAATGTAAGAGGGGCTTCTACCTTCCCTAGCCCTCCCGCCCTCCAAGGACTCGGGCCAGTTTCTAACTTTTCCCTTCCCTCCCTGCTTGCCTG	4
wt-17580-17700	3001	CGCCCGGGCCACCTTCATCACCCTGCTGACTCCGCCATCCAAGCCTAGGGGAGACCGAAGTGAAGGCCCTGGACCAACCCGGCCCGGCCCCCGGTATCGGGCCAGAGGTAAGTGA	8
wt-17700-17820	3002	CTTAAATTTTTTCTGCTAAGCCCAACTCCACCACCCAGGCACACTACACACCCACCCTGCTCAGGGTCCCTCGGACAGCTCCTAAGAAGGCACCGGTGCCCGCTCTACC	4
wt-17820-17940	3003	AGAGGGGGCAAGAACCAGACAGTCCGTAGAAGGGTCCCTCGTCCAGCAAGAAGAGGAGGTGTAAGCGGTTACCTTACAGGGTAAGTAACTGACCTTCCAGGGCTCACATAAAGG	4
wt-17940-18060	3004	GAGGCTTAGTATACATGCTTCTGCTTTTACAGGAACCTGGGGCTAGTCTGGTGGGATTAGGCTGCCTCAAGTGTATCAGCCAGGGCTTCCATGCCCTCCTAGTCCCTAGTCCCC	4
wt-18060-18180	3005	GGGCTTACGGCCCTCCGTCCTCCGCTCCAGAGACCCGGGCTTCCAGCCCTGCTCCTCTGTTACCTTTTGAACCCCTTTAAGAACCACAGCCTGGACACATGTGCCAGAGCCTTGGCCTTAAGGC	4
wt-18180-18300	3006	CCTCGGGTCCCTGGACCCCGGCTCAGCAACCTGCTGCTCCCTCCTGCCACCCAGCCTCCCCCTCCCGTCCCTTCCCTGCTCCTCCCGGTTCCCGTGGGAGGTAAGTGA	12
wt-18300-18420	3007	CTGCCCTGACCCAGTACCTGCCCTTGTGGCCAGCCACCCGGGCCAGGCCACCTTAGACCCGGCCAGGCCATCCCTGAAGACCAGCGGCCATTCTCTGGTAACGAGCAGA	8
wt-18420-18540	3008	GAAGAAGTAGAGGCCCGCGCCATTGGGCCAGATTGAGAGACAGTCCAGGGCCCGAGGTTGGAGCCAGCGGGACCCGAGGTCACAGCACCCTCCCTCCGGGGGCGAGAGACAGG	8
wt-18540-18660	3009	CAGGGCCCCCGCAGCTGGCCCCGAGGAGGCGCCGGAGTGGGGCGGTGGCTGGGCTGGCCAGCCCGGGTCTGGGAGGCTGGGGTGGCGAGCTGCTCTCAGGAGGGGCTGG	12
wt-18660-18780	3010	CTCCGCGGGTGGCCCTGGGGTAACTGGGAGGACAGAGGTCGGCTTAGGCCCGGGGAAGTGGAGGGGATCGCCCGGGTCTGTTGGCAGAGTCCGGGCGATCCTCTGAGACCTCC	8
wt-18780-18900	3011	GGGCCCGGACGGTCCCTCAGCCCCCAGACAGACCCAGGGTCTCCAGGCAGGGTCCGGCATCTTACAGGGCAGCAGGCTACCACCAGGCCCCCCAGACCCGGGTTCTCGGCCAGC	8
wt-18900-19020	3012	CGAGCCGACCGCCCGCCTGCGCCTCCTCGGGCCAGCCCGGGGTTGGTTCTGCCCTCTCTGTCTTCCAGGAAACCAGGACCTCGGGCACCCAGAGCCCTCGGGCC	12
wt-19020-19140	3013	GCCTCAGCGCCCTCCTGGTCTCCGCTCCCTCTGAGCCCGTTAAACCCAAAGAATGTCTGAGGGGAGCACCCCTCGGGGCCAGGCCCCAGAGTCCAGAGGTCAGGGGACCTCAGG	8
wt-19140-19260	3014	GTGCCTCCCGGGTCCAGGCCAGCCGAGACCCGACCCGACCCGCGCCCGCCAGAGCCGGTCTCCGCTCCCTCCGCTCCCTCCGCTCCCTCCCGGGTCCAGGCCAGGATGTCCCCAGAAAGGACCTA	12
wt-19260-19380	3015	GGCGTCCCTCTCCTCCCTCCAGGCCAGGCTCCTCCGCGGAGAGGGGCTCTTTGGCGCTTAACTCCAGCCACCCAGAGCCGAGTGGCCGATCCCGCCAGCCCTCTCT	8
wt-19380-19500	3016	CTCTGCTCCCTGCTCCTTCCAACTTCCGCTCCACCTAGACCCAGCTTCTGGCTCCCGGGTCCAGGCCAGCCGGAGGACCCCGGAGCCCGGGGAGTCCGCTTCCCTCTC	8
wt-19500-19620	3017	CCCTGGCTCTCCTCCGCTCCACCCGAGCCCTCAGCTTCCCTCCACCCGGTCCATCAGGCCGCGGAGGACCCCGGGCCCGGGTGTGAGTCCCTCCCTGACCCGCGCCAG	12
wt-19620-19740	3018	TCTCTGCCTCAGGCAAGGGCCAGCTTTTCTCCCGAGCCTGAGGCCAGTCTCTGTGACTGTCTGTAAGTCCAGCCTCCACGCCGCTCCAGGGCCAGCCTCGT	8

wt-19740-19860	3019	CCACCCCTCCCCACGGTGGACAGGCCCTGTGCCACCCGGGCCATCCCCGCCCTGTGTCCACCCAGTCCCGTCCAGGGGGACTTTATGTGACCTTGGGCTGGCTCCCATAGA	8
wt-19860-19980	3020	CTCCCATGTAAGCCTGCCTCGAGTAGGTGCCTCCAGAGCCCTTTTGGCCCTGGCGGCCAGCCGACCCCGGGCGCCCAAACTTTGTCCAGATGTCCAGGGGTCCCGAGGGTG	8
wt-19980-20100	3021	AGGCCAGCCCTCCCGCCCTGTCCACTGCCCGGTCCCCCAAGAGCCCAAAAGTAGAGGCTCAGGCCATGCGCGCCCTGTACCAGGCCTGCCAAAGAGCCAGATCTAAGGCCG	8
wt-20100-20220	3022	GGAGAGGCAGCCCAAGCGGGTGCAGTAACAGGTAATCTCTGGTAGTATTGGACCCGAAATCTGACACTTTAGAGCTCTGGAGGACTTTAAAACTCTAAAAATCAAACCTTTAGAGG	4
wt-20220-20340	3023	CGAATGGGCGCCATTTGTCCCCACGCGCATAATGGCGGACCTAGGCCTAAAACCCCGAGGAGCGGGTCTATGGTTGGCTGCGCTGTCTATCTTTAGAGGGGAAAAGGAGATAA	4
wt-20340-20460	3024	GCCCCACAGAGGGGAGTGGCTTTGTGACTTACCAAAGGTCCAGGGCCAAAGGGTTCGCGTTGTAGGCCACTTCTCAGTCCAGCGCTTACGTAAAGCCAGACAGGACCA	4
wt-20460-20580	3025	TTGTGAGTCTAGGGAGGGGACCTGCCCTCCGTTAAAGTGGTCTGCAGCTATTTCTGTGTAACGATCAGAGAAAGTAGAGGCCCGGGCCATTTGGGCCAGATTGAGAGCCAGTC	4
wt-20700-20820	3027	AGGGGAGACCGAAGTGAAGGCCCTGGACCAACCCGGCCCGGCCCGCCGGTATCGGGCCAGAGGTAAGTGGACTTTAATTTTTCTGCTAAGCCCAACTCCACCACCCAGGCACAC	4
wt-20820-20940	3028	ACTACACACCCACCCGCTCTCAGGGTCCCCTCGGACAGCTCCTAAGAGGGACCGGTGCGCCAGTCTACCAGAGGGGGCCAAAGAACCAGACGAGTCCGTAGAAGGGTCTCGTCCAG	4
wt-20940-21060	3029	CAAGAAGAGGAGGTGGTAAGCGGTTACACCTTCAAGGGTAAGTAACCTGACCTCTCCAGGGCTCACATAAAGGGAGGCTTAGTATACATGCTTCTGTCTTTACAGGAACCTGGGGCTA	4
wt-21300-21420	3032	CTGCCACCCAGCCTCCCCCTCCCCCTTCCCTTCCGCTCTGATCTCCCCGGTCCCAAGTAGGCCCGCTGCCCCCTGCACCCAGTACCTGCCCTTTGGCCACGCACCCGGG	12
wt-21420-21540	3033	CCAGGCCACTTAGACCCGGCCAAAGCCCACTCCCTGTAAGACCCAGCGCCATTTCTCTGTGTAACGATCAGAGAAAGTAGAGGCCCGGGCCATTTGGGCCAGATTGAGAGCCAGTC	4
wt-21540-21660	3034	CAGGGCCCGAGGTTGGAGCCAGCGGGCACCCAGGTCACAGCACCCTCCCTCCGGGGGAGAGACAGGCAGGGCCCGGACGCTGGCCCGAGGAGGCGCCGGAGTGGGGCCG	12
wt-21660-21780	3035	GTGGCTGGGCTGGCCGAGCCGGTCTGGGAGGTCTGGGGTGGCGAGCCTGCTGTCTCAGGAGGGGCTGGCTCGCGGGTGGCCCTGGGGTAAGTCTGGGAGGCAGAGGGTGGGCT	8
wt-21780-21900	3036	AGGCCCGGGGAAGTGGAGGGGATGCGCCGGTCTCTGTTGGCAGAGTCCGGCGATCCTCTGAGACCTCCGGGCCGACGGTCCGCCCTCAGCCCCAGACAGACCCAGGGTCTCC	8
wt-21900-22020	3037	AGGAGGTTCCGCGATCTTCAAGGGGACAGGCTCACACCACAGGCCCCAGACCCGGTCTCGCCAGCCGAGCCGACCCGGCCCGCCCTGGCGCTCTCGGGCCAGCCCGCGG	12
wt-22020-22140	3038	GGTTGGTTCTGCCCTCTCTGTCTTCCAGAGGAACCCAGGGACCTCGGGACCCAGAGCCCTCGGGCCCGCTCCAGGCCCTCTGGTCTCCCGTCCCTCTGAGCCCGTTAA	8
wt-22140-22260	3039	CCCAAAGAAATGTCTGAGGGAGCCACCCTCGGGGCCAGGCCCCAGAGTCCAGAGGTCAGGGGCACCTCAGGGTCCCTCCCGGGTCCAGGCCAGCCGAGGGACCCCGGACGCCGGG	8
wt-22260-22380	3040	CGGCCCCAGAGGCCGTTCTCTGCCCTTCCCGGGCTTACAGCCAGGATGTCCCCAGAAGGGACCCTAGGCGTCCCTCTCTCCCTCCAGGCCGAGCCTCTCCCTCGCGGAGA	8
wt-22380-22500	3041	GGGGCTCTTTGGGCCCTCAAGTCCAGCCCAAGGAGCCAGGAGCCGAGTGGCCGGATCCCCCAACCCGGCCCTTCTCTGTCCCGCTGCTCTCTCAACCTTCCGCTCCACCTAGACCCAG	8
wt-22500-22620	3042	CTTCTGGCCTCCCGGGTCCACAGGCCAGCCGAGGGACCCGGCAGCCGGGCGAGTCCCTTCCCTTCCCTGGCCTCTCTTCCCGCTCCACCCGAGCCCTCAGCTTGCCT	8
wt-22620-22740	3043	CCCCACCGGTCATCAGGGCCCGGAGGGACCCGGCCGGTGTGACTCCCCCTGCAGCCCGAGCTCTGCCCTCAGCCAAAGGGCGCCAGTCTGCCCTCAGCCAAAGGGCGCCAGG	8
wt-22740-22860	3044	CCCAGTCTCTGTGCACTGTCTGTAAGTCCAGCCTCCACGCCGTCACAGGCTCCCGGGCCAGCCTCGTCCACCCCTCCACGGTGGACAGGCCTCTGTCCACCCGGCCATCCC	8
wt-22860-22980	3045	CGCCCCCTGTGTCCACCCAGTCCCGTCCAGGGGACTTTATGTGACCTTTGGCCTGGCTCCCATAGACTCCCATGTAAGCCTGCCTCGAGTAGGTGCTCCAGAGCCCTTTTGC	4
wt-22980-23100	3046	CCCCCTGGCGGCCAGCCCGGCCGCCCCAAACTTTGTCCAGATGTCCAGGGTCCCGAGGGTAGGGCCAGCCCGCTCCCGCCCTGTCCACTGCCCGGTCGCCCAAG	12
wt-23100-23220	3047	GCCCCAAAGTAGAGGCTCAGGCCATCGCGCCCTGTCCACAGGCTGCCAAAGAGCCAGATCTAAGGCCGGGAGGGCAGCCCAAGCGGGTGCAGTAACAGGTAATCTCTGGTAGT	4
wt-23220-23340	3048	GATTTGGACCCGAAATCTGACACTTTAGAGCTTGGAGACTTTAAACTCTAAAAATCAAACCTTTAGAGGCGAATGGGGCCATTTGTCCACGCGGCATAATGGGGACCTAGG	4
wt-23340-23460	3049	CCTAAACCCCGAGGAAGCGGGTCTAGTGGCTGCGCTGCTGCTATCTTTAGAGGGGAAAGAGGAATAAGCCCCAGACAGGGGAGTGGGCTGTTTTGTGACTTCAACAAAGTCCAG	4
wt-23460-23580	3050	GGCCAAAGGGGTTGCGGTTGCTAGGCCACCTTCTCAGTCCAGCGGTTTACGTAAGCCAGACAGCAGCAATTTGCTAGTTAGGGAGGGGACCACTGCCCTGGTATAAAGTGGTCC	4
wt-23580-23700	3051	TGCAGTATTTCTGGTGCATCAGAGGCCAGGAGTCCACACAAATGTAAGAGGGGGTCTTACCTTCCCTAGCCCTCCGCCCTCCAAAGGACTCGGGCCAGTTTCTAACTTTCC	4
wt-23700-23820	3052	CCTTCCCTCCCTGCTTGGCCCTGCGCCCGGGGCCACCTTATCACCTGCTGACTCCGCCATCAAAGCTAGGGGAGACCAGTGAAGGCCCTGGACCAACCCGGCCCGGGCCCCC	8
wt-23820-23940	3053	GGTATCGGGCCAGAGGTAAGTGGACTTTAATTTTTTGTCTAAGCCCAACTCCACCACCCAGGCACACTACACACCCACCCGCTCAGGGTCCCTGGACAGCTCTAAGA	4
wt-23940-24060	3054	AGGCACCGTCCGCCAGTCTACCAGAGGGGGCCAAAGAACCCAGACAGTCCGTAGAAGGGTCTCGTCCAGCAAGAAGAGGAGGTGTAAGCGGTTACCTTCCAGGGTAAGTAACCTG	4
wt-24060-24180	3055	ACCTCTCAGGGCTCACATAAAGGAGGCTTAGTATACATGCTTCTGCTTTTACAGGAACCTGGGGGCTAGTCTGGTGGGATTAGGCTGCCTCAAGTTGCATCAGCCAGGGCTTCAT	4
wt-24180-24300	3056	GCCCTCTCAGTCCCTAGTCCCGGGCTTCCAGGCCCTCCGTCGCCCTCTCCAGAGACCCGGGCTCAGGCCCTGCCTCTCCTGTTACCTTTTAGAACCACAGCCTGGACACATGT	4
wt-24300-24420	3057	GCCAGAGCCTTGGCCTTAAGGCCCTCGGTCCCGTGGACCCCGGCTCAGCAACCTGCTGCTCCCTCTGCCACCCAGCCTCCCGCCCTCCCGTCCCGCTTCCGCTCTGATCC	8
wt-24420-24540	3058	TCCCCCGTCCCAAGTAGGGCCCTGCCCTTGCACCCAGTACCTGCCCTTTGGCCACGACCCCGGGCCAGGCCACTTAGACCCGGCAAGCCCATCCCTGAAGACCCAGCGG	8
wt-24540-24660	3060	GTCCCTCCGGGGGAGAGACAGCAGGACAGGCCCGCCCGCAGCTGGCCCGAGGAGGCCCGGAGTGGGCGGGTCCGCTGGGCTGGCTGGCCAGCCCGGGTCTGGGAGGTCTGGGGTGGCGAG	12
wt-24780-24900	3061	CCTGCTGTCTCAGGAGGGGCTGGCTCCGCGGGTGGCCCTGGGGTAAGTCTGGGAGGCAGAGGTCGGCTAGGCCGGGGAAGTGGAGGGGATCGCCCGGCTCTGTTGGCAGAGT	8
wt-24900-25020	3062	CGGGGATCCTCTGAGACCTCCGGGCCGGAGGTCGCCCTCAGCCCCAGACAGACCCAGGGTCCAGGCAGGTCGGCATCTTCCAGGGGAGGAGGCTCACCACCAGGCC	8
wt-25020-25140	3063	CCCCAGACCCGGTCTCGGCCAGCCAGCCAGCCGCCCGCGCCTGGCGCTCTCGGGGCCAGCCCGGGGTTGGTCTGCCCTCTCTGTCTTCCAGAGAACAGGGACCTCG	8
wt-25140-25260	3064	GGCAGCCAGAGCCCTCGGGCCCGCTCCAGGCCCTCTGGTCTCCGCTCCCTTCCAGCCCGTTAAACCCAAAGATGTCTGAGGGGAGCCACCTCGGGCCAGGCCCAAG	8
wt-25260-25380	3065	TCCAGAGTCCAGGGGACCTCAGGTTCCCTCCCGGGTCCAGGCCAGCCGAGGACCCCGGGCCCGCCAGAGCCGGTTCCTCGCCCTTCCCGGGCTTCCAGAGCCCA	12
wt-25380-25500	3066	GGATGCCCCAGAAGGGACCTAGGCTCCCTCTCTCCCTCCAGGCCGAGCCTCTCCCTCGCGGAGAGGGCCTTTTGGGCCCTCAAGTCCAGCCCAAGGAGCCGAGTGGC	8
wt-25500-25620	3067	CGGATCCCCCAGCCCTTCTCTGTCCCGTCTCTCTCCAACCTTCCCTCCACCTAGACCCAGCTTCTGGCTCCCGGGTCCACCAGCCAGCCGAGGGACCCGGCAG	8
wt-25620-25740	3068	CCCGGGCAGTCCCTTCCCTTCCCTGGCCTCTCTTCCCGCCTCCACCCAGGCCCTCAGCTTCCCTCCCGGGTCCATCAGGCCGGCCGAGGGACCCCGCGGGCCGGTGG	12
wt-25740-25860	3069	TCAGTCCCCCTGCAGCCGCCAGTCTCTGCCTCCAGCAAGGGCCAGCCTTTCTCCCCCAGCTGAGGCCAGCTCCTGTGACTGTCTGTAAGTCCAGCCTCCACGCCCTG	8
wt-25860-25980	3070	CAGGTCCTCGGGCCAGCCTCGTCCACCTCCACAGGCTCCAGGACCCGCTGTCCAGCCGACCCCGGGCCCGCCCTGTGTCACCCAGTCCCGTCCAGGGGAGCTTTATGTGA	8
wt-25980-26100	3071	CCCTTGGCCTGGTCCCATAGACTCCATGTAAGCCTGCTCAGTGGTCCAGAGCCCTTTTGGCCCTGGCGGCCAGCCCGGGCCCGCCCAAACTTTGTCCA	8
wt-26100-26220	3072	GATGTCCAGGGTCCCGAGGGTGGAGCCAGCCCTCCCGCCCTGTCCACTGCCCGGTCCCGCCAGAGCCCAAAAGTAGAGGCTCAGGCCATGCGCGCCTGTCCAGGCCCT	8
wt-26220-26340	3073	GCCAAAGAGCCAGATCTAAGGCCGGGAGAGGCAGCCCAAGCGGGTGCAGTAACAGGTAATCTCTGGTAGTATTGGACCCGAAATCTGACACTTTAGAGCTCTGGAGACTTTAA	4

wt-26340-26460	3074	CTCTAAAAATCAAACCTTTAGAGGCGAATGGGGGCCATTTGTCCACGCGCGCATAATGGCGGACCTAGGCCTAAAACCCCGAGGAAGCGGGTCTATGTTGGCTGCGCTGCTGCTAT	4
wt-26460-26580	3075	CTTTAGAGGGGAAAAGAGGAATAAGCCCCACAGACAGGGAGTGGGCTTGTGTGACTTCACAAAGGTGACGGCCCAAGGGGTTGCGTGTGCTAGGCCACCTTCTCAGTCCAGCGCGT	4
wt-26580-26700	3076	TTACGTAAGCCAGACAGCAGCCAATTGTGCTTCTAGGGAGGGGACCCTGCCCTGGTATAAAGTGGTCTGCAGCTATTTCTGGTCCGATCAGAGCCGACAGGAGTCCACACAAATGT	4
wt-26700-26820	3077	AAGAGGGGGTCTTCTACCTCTCCCTAGCCCTCCGCCCCCTCAAGGACTCGGGCCAGTTTCTAACTTTTCCCTTCCCTCCCTCGTCTTCCCTCGCCCGGGGCCACCTTCATCACCG	4
wt-26820-26940	3078	TCGCTGACTCCGCCATCCAAGCCTAGGGGAGACCGAAGTGAAGGCCCTGGACCAACCCCGCCCGGGCCCGCCCGGTATCGGGCCAGAGGTAAGTGACTTAAATTTTTCTGTCAAGCCCA	4
wt-26940-27060	3079	ACACTCCACCACCCAGGCACACACACACCCACCCGCTCAGGGTCCCTCCGACAGCTCTAAGAGGCCCGGTGCGCCAGTCTACCAGAGGGGGCCAAAGAACCCAGACGA	4
wt-27060-27180	3080	GTCCGTAGAAGGGTCTCGTCCAGCAAGAAGGAGGTGGTAAGCCGTTACCTTCCAGGGTAAAGTAACTGACTCTCCAGGGTACACATAAAGGGAGGCTTAGTATACATGCTTCTTG	4
wt-27180-27300	3081	CTTTTACAGGAACCTGGGGGCTAGTCTGGGTGGGATTAGGCTGCCTCAAGTTGCATCAGCCAGGGCTTATGCTCCCTCCTCAGTTCCTTAGTCCCGGGGTTCCAGGCCCTCCGTC	4
wt-27420-27540	3083	CTCAGCAACCCCTGCTGCTCCCTCCTGCCACCCAGCCTCCCCCTCCCGTCCCGCTTCCGCTCCTGATCCTCCCGGGTCCCAAGTGGGCGCCCTGCCCCCTGCACCCAGTACTCTG	8
wt-27540-27660	3084	CCCCTTTGGCCACGCACCCCGGGCCAGGCCACCTTAGACCCGGCCAAAGCCCATCCTGAAGACCCAGCGGCCATTCTCTGGTAACGAGCAGAGAAGAAGTAGAGGCCCGCGGCCAT	8
wt-27660-27780	3085	TGGGCCCAGATTGAGAGACCAGTCCAGGGCCCGAGGTTGGAGCCAGCGGGCACCCGAGTCCAGCACCCGGTCCCTCCGGGGGACAGAGACAGGACAGGCCCCCGGCAGCTGCCCC	8
wt-27780-27900	3086	GAGGAGCGCCCGAGTGGGCGCGTCCGCTGGGCTGCCAGCCCGGGTCTGGAGGCTGAGGAGTCCAGGCTGCTCTCAGGAGGGGCTGAGTCCCGCGGGTGGCCCTGGGGTAA	12
wt-27900-28020	3087	GTCTGGGAGGCAGAGGGTCCGCCATAGGCCCGGGGAAGTGGAGGGGATCGCCCGGGTCTGTGTGGCAGAGTCCGGGCGATCCTCTGAGACCCCTCCGGGCCGACGGTCCGCTCAGCC	8
wt-28020-28140	3088	CCCCAGACAGACCCAGGGTCTCCAGGCAGGGTCCGGCATCTTCCAGGGGACAGGCTCACCACCACAGGCCCCCGAGACCGGGTCTCGGCCAGCCGAGCCGACCGGCCCGCGCTGG	8
wt-28140-28260	3089	CGCCTCTCCGGGGCCAGCCGCGGGGTTGGTTCTGCCCTCTCTGTCTCAGAGGAACAGGGACCTGGGACACCCAGAGCCCTCCGGCCCGCTCCAGGCCCCCTCCTGGTCTC	8
wt-28260-28380	3090	CGTCCCTCTGAGCCCGTAAACCCAAAGATGTCTGAGGGAGCCACCCTCGGGGCCAGGCCCCAGAGTCCAGAGGTCAGGGGACCTCAGGGTGCCTCCCGGGTCCAGGCCAG	8
wt-28380-28500	3091	CCGGAGGACCCCGGCAGCCCGGGCCAGAGCCCGGTTCTCCGCCCTTCCCGGGCTTCCAGAGCCAGGATGTCAGAGCCAGGATGTCAGAGCCAGAGGACCTAGCGCTCCCTCTCCCTCCAG	8
wt-28500-28620	3092	GCCCCAGCCTCTCCCTCGCGGAGAGGGGCTCTTTGGGCCCTCAAGTCCAGCCCAACCCAGAGCCGAGTGGCCCGGATCCCCCACCGGCCCTTCTCTGTCCCTGCTCCTCCTCAA	8
wt-28620-28740	3093	CCTTCGCTCCACCCTAGACCCAGCTTCTGGCCTCCCGGGTCCACCAGGCCAGCCGAGGGACCCCGGACCCGGGCGAGTCCGCTTCCCTCTCCCTGGCTCTCTTCCCGCTCC	8
wt-28740-28860	3094	CACCCGAGCCCTCAGCTTGCTCCCAACCGGGTCCATCAGGCCGCGCGGAGGGACCCCGCGCCCGGTGTCACTCCCCCTGCAGCCGCCAGTCTCTGCCTCAGGCAAGGGCGCC	12
wt-28860-28980	3095	AGCTTTTCTCCCCCAGCCTGAGGCCAGTCTCCTGTGCACTGTCTGTAAGTCCAGCCTCCACGCGCTCCACGGCTCCCGGGCCAGCCTCGTCCACCCTCCCAAGGTTGGACAG	8
wt-28980-29100	3096	CCCTGTGCACCCGGGCACTCCCGCCGCTGTGTCCACCCAGTCCCGTCCAGGGGAACTTATGTAGATGTCAGAGGGTCCCGCAGATCCCATAGACTCCCATGTAGCCCTGCTCGAGT	8
wt-29100-29220	3097	AGGTGCCTCCAGAGCCCTTTTGGCCCTGCGCGCCAGCCGACCCCGGGCCGCCCAAACTTTGTCCAGATGTCAGAGGGTCCCGAGGGTGGAGCCAGCCCTCCCGCCCTG	8
wt-29220-29340	3098	TCCACTGCCCGGTCCCGCAGAAGCCCAAAAGTAGAGGCTCAGGCCATGCGGCCCTGTACCAGCCCTGCCAAAGAGCCAGATCTAAGGCCGGGAGAGGACCCCAAGCGGGT	8
wt-29340-29460	3099	CAGTAACAGGTAATCTCTGGTAGTATTGGACCCGAAATCTGACACTTTAGAGCTCTGGAGGACTTAAAACTCAAATAAATAAATTTAGAGGCGAATGGGCGCAATTTTGTCCCA	4
wt-29460-29580	3100	CGCGGCATAATGGCGGACCTAGGCCATAAAACCCCGAGGAAGCGGGTCTATGTTGGTGGCTGCTGCTATCTTTAGAGGGGAAAAGAGGAATAAGCCCCAGACAGGGGAGTGGGCTT	4
wt-29580-29700	3101	GTTTGTGACTTCAACAAAGTTCAGGGCCCAAGGGGTTCCGCTTGTAGGCCACCTTCTCAGTCCAGCGGTTTACGTAAGCCAGACAGCAATTTGCTAGGAGGGGGAC	4
wt-29700-29820	3102	ACTGCCCTGGTATAAAGTGGTCTGCACTATTTCTGGTCCGATCAGAGCCGAGGAGTCCACACAAATGTAAGAGGGGGTCTTCTACCTTCCCTAGCCCTCCCGCCCTCCAGGAC	4
wt-29820-29940	3103	TCGGGCCAGTTTCTAACTTTTCCCTTCCCTCCTCGTCTTCCCTGCGCCCGGGGCCACCTTATCACCCTGCTGACTCCGCCATCCAAGCCTAGGGGAGCCGAAGTGAAGGCCCT	4
wt-29940-30060	3104	GGACCAACCCGCGCCCGGGCCCGGATCGGGCCAGAGGTAAGTGGACTTAAATTTTCTGCTAAGCCAACTCCACCACACCCAGGCACACACTACACACACCCACCCGCTCAG	4
wt-30060-30180	3105	GGTCCCTCGGACAGCTCCTAAGAAGCCAGCGTCCGCCAGTCTACCAGAGGGGGCAAGAACCAGACAGTCCGTAGAAGGGTCTCGTCCAGCAAGAAGAGGAGGTGGTAAGCGGT	4
wt-30180-30300	3106	TCACCTTCAGGGTAAAGTAACTGACCTTCCAGGGCTCACATAAAGGAGGCTTAGTATACATGCTTCTTCTTTTACAGGAACCTGGGGGCTAGTCTGGTGGATTAGGCTGCCTC	4
wt-30300-30420	3107	AAGTTGCATCAGCCAGGGCTTATGCCCTCCTCAGTTCCTAGTCCCGGGCTTCCAGGCCCTCCGTCGCCGTCCTCCAGAGACCCGGGCTTCCAGGCCCTGCTCCTCTCCTGTTACCCCTT	4
wt-30420-30540	3108	TAGAACCACAGCCTGGACACATGTGCCAGACGCTTGGCCTCTAAGGCCCTCGGGTCCCGCTGGACCCCGGCCCTCAGCAACCCCTGCTGCTCCCTCCTGCCACCCAGCCTCCCGCCCTC	8
wt-30540-30660	3109	CCGTCCCGCTTCCGCTCCTGATCCTCCCGCGTCCCGAGTAGGGCCGCTGCCCGCTGCACCAGTACCTGCCCTCTTGGCCACGCACCCGGGCCAGGCCACCTTAGACCCGGCCAA	8
wt-30660-30780	3110	GCCCCATCCTGAAGACCCAGCGGCAATTTCTCTGTGAACGAGCAGAGAAGAAGTAGAGGCCCGCGGCCATTGGGCCAGATTGAGAGACCAGTCCAGGGGCCGAGGTTGGAGCCAGC	4
wt-30780-30900	3111	GGGACCCGAGGTCACAGCACCCTCCCTCCGGGGGCGAGACAGGACAGGGCCCGCCGAGTGGCCCGAGGAGGCGCCCGGAGTGGGGCCGCTCGGCTGGGCTGGCCGAGCCCGG	8
wt-30900-31020	3112	GTCTGGGAGGTTGGGGTGGCGAGCTGCTGTCTCAGGAGGGGCTGGCTCCCGCGGGTGGCCCTGGGGTAAAGTCTGGAGGACAGAGGGTGGCCCTAGGCCCGGGGAAAGTGAAGGGGGAT	12
wt-31020-31140	3113	CGCCCGGTCTGTGTGGCAGAGTCCGGGCGATCCTCTGAGACCCCTCCGGGCCGAGCGTCCGCTCAGCCCCCAGACAGACCCAGGGTCTCCAGGCAGGGTCCGGCATCTTACAGG	8
wt-31140-31260	3114	GCAGCAGGCTCACCACCAGGGCCCCAGACCCGGGCTCGGGCAGCCGAGCCGACCGGCCCGCGCTGGCGCTCCTCGGGCCAGCCCGGGGTTGGTTCTGCCCTCTCTGT	12
wt-31260-31380	3115	CCTTCAGAGGAACAGGGACCTCGGGCACCCAGAGCCCTCCGGCCCGCTCCAGGCCCTCCTGGTCTCCGCTCCCTCTGAGCCCGTTAAACCCAAAGAAATGCTGAGGGGAGCC	8
wt-31380-31500	3116	ACCCTCGGGGCCAGGCCAGAGTCCAGAGGTCAGGGGACCTCAGGGTGCCTCCCGGGTCCAGGCCAGCCGAGGGACCCCGGCAGCCCGGGCGGCCAGAGGCCGTTCTCCGC	12
wt-31500-31620	3117	CCCTTCCCGGGCTTCCAGAGCCAGGATGTCGCCCAAGGGACCTTAGGGCTCCCTCTCCCTCCAGGCCAGCCCTTCCCTCGCGGAGAGGGGCTCTTTGGGCCCTCAAGTC	8
wt-31620-31740	3118	CAGCCCCACCCAGACCCGAGTGGCCGGATCCCCCACCAGCCCTTCTCTGTCCCGCTGCTCCTTCAACCTTCCCTCAGCCCTAGACCCAGCTTCTGGCCCTCCCGGGTCCACCA	8
wt-31740-31860	3119	GGCAGCCGAGGACCCCGCAGCCCGGGGAGTCCGCTTCCCTCCTCCCTGCGCTCCTTCCCGCTCCACCCAGCCCGCTCAGCTTGCCTCCCAACCGGGTCCATCAGGCCGCGC	12
wt-31860-31980	3120	CGGAGGGACCCCGCGCGCCGGTGTCACTCCCGCTGCAGCCGCCAGTCTGCTCCAGGCAAGGGCGCCAGCTTTTCTCCCGCCAGCCTGAGGCCAGTCTCCTGTGCACTGTCTGT	8
wt-31980-32100	3121	AAAGTCCAGCCTCCACGCCCTCCACGGCTCCCGGGCCAGCCTCCAGCCCTCCACCCAGTGGACAGGCGCTGTCCACCCCGGGCCATCCCCCGCCCTGTGTCCACCCAGTC	8
wt-32100-32220	3122	CCGTCCAGGGGGACTTATGTACCTTGGGCTGGCTCCCATAGCTCCATGAAAGCTGCTCGAGTGGTGCCTCCAGAGCCCTTTTGGCCCTCCAGCCCGCCAGCCCGAC	8
wt-32220-32340	3123	CCGGGCGCCCAAACTTTGTCCAGATGTCCAGGGTCCCGAGGTTGAGGCCAGCCCGCTCCCGCCCTTCCACTGCCCGGGTCCCGCAGAAGCCCAAAAGTAGAGGCTCAGGC	8
wt-32340-32460	3124	CATGCGCGCCTGTACCAGCCCTGCCAAAGAGCCAGATCTAAGGCCGGGAGAGGACCCCAAGCGGGTGCAGTAACAGGTAATCTCTGGTAGTATTGGACCCGAAATCTGACACT	4
wt-32460-32580	3125	TTAGAGCTCTGGAGACTTAAAACTCTAAAAATCAAACCTTTAGAGGCGAATGGGGCCATTTTGTCCCAACCGCGCATAATGGCGGACCTAGGCCTAAAACCCCGAGGAAGCGGGT	4

wt-32580-32700	3126	TATGGTTGGCTGCGTGTCTATCTTTAGAGGGGAAAAGAGGAATAAGCCCCAGACAGGGGAGTGGGCTGTTTGTGACTTACCAAAGGTGACGGGCCAAGGGGTTGCGGTTGCTA	4
wt-32700-32820	3127	GGCCACCTTCTCAGTCCAGCGCGTTTACGTAAGCCAGACAGCAGCCAATTGTGACTTCTAGGGAGGGGGACCCTGCCCTGGTATAAAGTGGTCTGCAGCTATTCTGGTCGCATCAG	4
wt-32820-32940	3128	AGCGCCAGGAGTCCACACAATGTAAGAGGGGCTTCTACCTCTCCCTAGCCCTCCGCCCCCTCAAGGACTCGGGCCAGTTTCTAACTTTTCCCTTCCCTCCCTCGTCTTGCCCTG	4
wt-32940-33060	3129	CGCCCGGGGCCACCTTTCATCACCGTGCCTGACTCCGCCATCCAGGCTAGGGGAGACCAGAGTGAAGGCCCTGACCAACCCGCGCCGGCCCGCCGGTATCGGGCCAGAGGTAAGTGGA	8
wt-33060-33180	3130	CTTTAATTTTTTCTGCTAAGCCCAACACTCCACCACCCAGGCACACACTACACACACCACCCGCTCAGGGTCCCTCGGACAGCTCTAAGAAGGCACCCGGTCCGCCAGTCTAC	4
wt-33180-33300	3131	AGAGGGGCCAAGAACCAGCAGTCCCTAGAAAGGTCCTCGTCCAGCAAGAAGAGGAGTGTGAAGGTTACCTTACAGGGTAAGTAACTGACTCTCCAGGGTCCATATAAGG	4
wt-33300-33420	3132	GAGGCTTAGTATACATGCTTCTGCTTTTTCACAGGAACCCGAGTGGGCTAGTCTGGGTTAGGCTGCCTCAAAGTGCATCAGCCAGGGCTTACAGCTCCCTAGTCTCCATGTC	4
wt-33420-33540	3133	GGGCTTACAGGCCCTCCGTCCTCCGCTCCTCAGAGACCCGGGCTTACGGCCCTGCCTCTCTGTTACCCTTTTAGAACCACAGCCTGGACACATGTGCCAGACGCTTGGCCTTAAGGC	4
wt-33540-33660	3134	CCTCGGGTCCCTCGACCCCGGCTCAGCAACCCCTGCTGCTCCCTCTGCCACCCAGCCTCCCGCTCCCGCTCCCGCTTCGCTCCTGATCCTCCCGCGTCCCGAGTAGGGCCGC	12
wt-33660-33780	3135	CTGCCCTCGACCCAGTACCTGCCCTCTTGGCCACGCACCCCGGGCCAGGCCACCTTAGACCCGGCCAAAGCCCATCCCTGAAGACCAGCGGCCATTCTCTGGTAAACGAGCAGA	8
wt-33780-33900	3136	GAAGAAGTAGAGCCCGCGCCATTGGCCAGATTGAGAGACCAGTCCAGGGGCGCCAGGTTGGAGCCAGCGGGCACCAGGTTCCAGCACCCTGGTCCCTCCGGGGGAGAGACAGG	4
wt-33900-34020	3137	CAGGCCCCCGGCAGCTGGCCCGAGGAGCCGCGAGTGGGGCTGGGCTGGGCTGGCCAGCCCGGGTCTGGGAGGCTGGGGTCCGCGCTGCTCAGGAGGGCCCTG	12
wt-34020-34140	3138	CTCCGCGGGTGGCCCTGGGGTAAGTCTGGGAGGCAGAGGTCGGCCTAGGCCCGGGGAAGTGGAGGGGATCGCCCGGGTCTCTGTTGGCAGAGTCCGGGCGATCCTCTGAGACCTCC	8
wt-34140-34260	3139	GGGCCCGGACGGTCCGCTCAGCCCCCAGACAGACCCAGGGTCTCCAGGAGGGTCCGGCATCTTACAGGGCAGCAGGCTCACCACCAGGCCCCCCAGACCCGGGTCTCGGCCAGC	8
wt-34260-34380	3140	CGAGCCGACCGGGCCCGCGCTGGCGCTCCTCGGGCCAGCGCCGGGGTGGTCTGCCCTCTCTCTGCTTACAGGAACCCAGGGACCTCGGGCACCCAGAGCCCTCGGGCCC	12
wt-34380-34500	3141	GCCTCAGGCGCCCTCCTGGTCTCCGCTCCCTCTGAGCCCCGTTAAACCCAAAGAAATGCTGAGGGGAGCCACCTCGGGGCCAGGCCCCAGAGTCCAGAGGTCCAGGGCACCTCAGG	8
wt-34500-34620	3142	GTGCCTCCCGGGTCCAGGCCAGCCGGAGGGACCCCGCAGCCCGGGCCAGCCAGAGGCGGTTCTCCCGCTTCCCGGGCTTACAGGCCAGGATGTCGCCAGAAAGGGACCTA	12
wt-34620-34740	3143	GGCGTCCCTCTCCCTCCAGGCCGAGCCTCTCCCTCGCGGAGAGGGGCTCTTTGGGCCCTCAAAGTCCAGCCACCAGAGCCAGTGGCCGGATCCCGCCAGCGCCCTTCT	8
wt-34740-34860	3144	CTCTGTCCTCTGCTCTCTCCAACCTTCGCTCCACCTAGACCCAGCTTCTGGCTCCCGGGTCCACCAGGCCAGCCGGAGGACCCCGGCAGCCGGGCGAGTCCCTTCCCTCTC	8
wt-34860-34980	3145	CCCTGGCTCTCCTTCCCGCTCCACCCGAGCCCTCAGCTTCCCTCCACCCGGGTCATCAGGCCGGCCGAGGGACCCCGCGGGCCGGTGTCACTCCCGCTGACGGCCCGCAG	12
wt-34980-35100	3146	TCTCTGCTCCAGGCAAGGGCGCCAGCTTTTCTCCCGCAGCCTGAGGCCAGTCTCCTGTGCACTGTCTGTAAGTCCAGCCTCCACGCCCCGTCACGGCTCCCGGGCCAGCCTCGT	8
wt-35100-35220	3147	GACCCCTCCCGCAGGTGGACAGGCCCTGTGTCACCCGGGGATCCCGGGCCCGCTGTTCCAGCCAGTCCCGTCCAGGGGGACTTTATGTGACCCCTGGGCTGGCTCCCATAGA	8
wt-35220-35340	3148	CTCCCATGTAAGCCTGCCTCAGTAGTGGTCCAGACCCCTTTTGGCCCTGGCGCCAGCCGACCCCGGGCGCCCCAACTTTGTCCAGATGTCAGGGGTCCCGAGGGTG	8
wt-35340-35460	3149	AGGCCAGCCCTCTCGCCAAGCTGCTTTGATTCTGGGATATTTTGGGAATGGTGAACCTTCTCCCTGTATTTGCTATTCAATCAACCTGATCCCGTCTCATACCTCCA	4
wt-35460-35580	3150	CTTACAACCAAGCCACTACGGCCAGTCCCGGGCTCCCGCTCGGGTAAGTGCCTTTTTCATTTTACGCCCCAGCCCTCCTCTATAAGTCTAGGCAAACCTCAATCACCAGCCACT	4
wt-35580-35700	3151	CCAATGTAGTCTTAGAGAGTGGCTGCTACGCATTAGAGACCATTGAGCCACCACAGTAACCCAGCCAGCCCAATCTGTCTACATAGAAGAAGAAGAGGATGAAGACTAAGTCACA	4
wt-35700-35820	3152	GGCTTAGCCAGGTGATTTGTAAATTCAGTTTATTTACTTCTTCCAATCAAGCTTTCCAGCCTCCGCTTGTAGGTCTAGTTATGGGTTTCCATGGGGACTTAGTATCGTTCTA	4
wt-35820-35940	3153	TTAGATTAACGTGCAAGACGCTAAACTTAAACCAAGGTGAGCAAGGGACGCGTGTATCCAGGCTGCCACCTCAGGATTTCCCGCCAAATCCTCTACCTCTCTTTATGCCATGT	4
wt-35940-36060	3154	GTGTTGTTGGCTTGTGTAGTGTATGTAATGCGTGGCCGAGTGGCAGCCTGTTATAGATGTGCAGTACCCTTAATGTTAGGTCTGCTTTAGGGTCCAGGTGGCGCAATCTAG	4
wt-36060-36180	3155	GATTAATTCACCTGTATCCCTTTCCCTCCACCCGAGTAACCCAGCACTGGCGTGTGACGTGGTGTAAAGTTTTGCTGAACTGTGGTGGGAGGTACATGCCAACACCTCTAAGC	4
wt-36180-36300	3156	ACCCGCGCTGTGTTTTGCTTTATCTGCCGCATCATGCCTACATTTCTATCTGCGTTACATGGGGGACAAACATATCATCTAATTGTTGACACGGATAGTCTTGAACCCGTCACCT	4
wt-36300-36420	3157	CAGTAATCCCTCGAATCCCTACCAGAACAACTGTGACAGCTCCATTAATCCACTAAACATCTTTGTTGGGAAAAACAGGGGTGCCCCACCCTCCACCACCCCGCCACCAC	4
wt-36420-36660	3158	AGCCATCACCTTTGATAGGGATCCGCTAGGATATGACGTGGGCATGGACCTCTAGCATCTGCTATGCGAATGCTTTGGATGGCTAAATTAATGTAAGACAATCAGGGGTGACCGG	4
wt-36660-36780	3159	GCCTATTTTGGCCAAAGGCCACAAACAGCCCTCAGGCCAGGTTGGTCCAGCCACATGTCCCGCTCTACGCCGACAGCACCACCAATTTGTACCTCTGTACAAACCGAGGCTTA	4
wt-36780-36900	3160	CCCTCCACAACCACTCATGATGCCACCAAGGCCCTACCCCTCCTACCCTCTGCCACCTGCAACACTAAGGTTGCCACCAAGGCCACCCGTCCTACCCTCTGCCACCCACACCACTAC	4
wt-36900-37020	3161	TCACGGTACTACAAAGGCCCTACCAACTTCAACCCACACCATCACCACAGCATGCATCCCTGTCTTGCATGTGCCAGACCAATCAATGCACCCCTTACTCATCAAAGCACCCCAA	4
wt-37020-37140	3162	ATGATCCAGATAGTCCAGAACCAGGTCCTCCGACTGTATTTTAAACATCCACCTATGCCATTACCCCTCACAATTGCCACCACAGCAGCACCAGCACGCCACTCCAGGGGTCA	4
wt-37140-37260	3163	TCAACGACCAACAATTACATCATCTACCTCGGGCCACCATGGTGGCCACCCATCTGCGACCCCGCACAACCTCTAAGACTCAAGGCCAGAGCCGGGACAGAGCAGGGGGAGGGGCA	4
wt-37260-37380	3164	GGGGCAGGGGAGGGGCAAGGGCAAGGGCAAGTCCAGGGACAAGCAACGCAAGCCCGTGGACCTTGGAGACCAGAGCCAAACACCTCCAGTCTAGCATGCCTGAATAGTCCAGTCC	4
wt-37380-37500	3165	TGGTCTTTCATCAGGGACAAGGGCTGGGGACTCACAACCTCTGGCCATCCAATGCCGCCCGCTTTGTAGAAATTCACACAGGCAACCCCTAAGCTTTCACCAATACATGAACCGG	4
wt-37500-37620	3166	AGTCCATAATAGCCAGAGGCTCCATTCTCTTCCCGATGATTGGTATCCTCCATCTATAGACCCCGCAGACTTAGACGAAAGTGGGATTACATTTTGGAGACAACAGAAATCTCTA	4
wt-37620-37740	3167	GCTCAGATGAAGATTATGTGGAGGGACCCAGTAAAGACCTCGCCCTCCATCCAGTAAACCCCTGGCCCTCCAGCAACCAATGTATCCCAAATAAATGTTACTTCTTTGCTCTTA	4
wt-37740-37860	3168	ACCATTGACAGCCCTGATTTCTAATCAATTAACCAAGGGAAAGGTTTAGCTATTCCACCAACACGACCCCAAGGAAGGCTTGCACAAATTTGGTCCCTGCTCTCAGACTTTGCCAGC	4
wt-37860-37980	3169	AACTTATAGCATGGTAGGCAGCTCAACTCGGCCGCTTACTGCCAGCCTACTCTCACTCCAGTCCATGTTGCACTCCTATGCATTTCTGCCCTCCCACTTTTACCCAGTCCCA	4
wt-37980-38100	3170	ACCCAAAACACACACAACACATAGAATTGTTAGTTAAACAGTTTATTGATAGTGGCTGCTTTAGCTAAATTTGTAATGCTCTCGTTGCCAAAACCTGTTGTAAGGGCCGGCACCC	4
wt-38100-38220	3171	GCAACATGGGGAAAACATAAACCGCCGCATCCCATGGGGAGGTAAGAGCGGTTGACATGATAGTGAAGTGAAGAAGCATGGCGAAGTAGACAGGTTACTTTAGAGTGTAGTGTAC	4
wt-38220-38340	3172	AGGGCCGGGCGCAACAGTGCACCAACCCGGGCTGAGCATTTCCATGGGACGAGGACACTGCACCTACCCAGGTCCTGGGGCAGCCGGGTTCTGGCGCTCCGGGCGCAGCCGGG	8
wt-38340-38460	3173	GGCCGCGGTGGTCCGCTGGCGCTGCCCGCTCCGGGTGGGGGTGGCCCGCTGGCCAGCTGCGCCGCGCAGGCTCTGGGGCAGCCGGGTTCTGGCGTCCGGGTCGGGGCAG	4
wt-38460-38580	3174	CCGGGCGCGCGGTTGGTCCGCTGGCCGCTGCCCGCTCCGGTGGGGGTGGCCCGCTGGGCACCGCTGCGCCGCGCCAGGTCCTGGGCGAGCCGGGTTCTGGCGTCCGGG	12
wt-38580-38700	3175	GGCAGCCGGGCGCGCGGTTGGTCCGCTGGCCGCTGCCCGCTCCGGTGGGGGTGGCCCGCTGGGCACCGCTGCGCCGCGCCAGGTCCTGGGCGAGCCGGGTTCTGGCGCT	12
wt-38700-38820	3176	CCGGGGCAGCCGGGCGCGCGGTTGGTCCGCTGGCCGCTGCCCGCTCCGGTGGGGGTGGCCCGCTGGGCACCGCTGCGCCGCGCCAGGTCCTGGGGCAGCCGGGTTCTG	12



wt-38820-38940	3177	GCGCTCCGGGGGACGCGGGGGCGCCGGTGGGTCCGCTGGGCCGCTGCCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCGCTGCGCCGCGCCAGGTCTGGGGAGCCGGGGT	16
wt-38940-39060	3178	TCCTGGCGCTCCGGGGGACGCGGGCGCGCCGGTGGGTCCGCTGGGCCGCTGCCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCGCTGCGCCGCGCCAGGTCTGGGGACGCC	12
wt-39060-39180	3179	GGGGTTCCTGGCGCTCCGGGGGACGCGGGGGCGCCGGTGGGTCCGCTGGGCCGCTGCCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCGCTGCGCCGCGCCAGGTCTGGGG	12
wt-39180-39300	3180	CAGCCGGGGTTCCTGGCGCTCCGGGGGACGCGGGGGCGCCGGTGGGTCCGCTGGGCCGCTGCCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCGCTGCGCCGCGCCAGGTCC	12
wt-39300-39420	3181	TGGGGCAGCCGGGGTTCCTGGCGCTCCGGGGGACGCGGGGGCGCCGGTGGGTCCGCTGGGCCGCTGCCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCGCTGCGCCGCGCCCA	12
wt-39420-39540	3182	GGTCTGGGGCAGCCGGGGTTCCTGGCGCTCCGGGGGACGCGGGGGCGCCGGTGGGTCCGCTGGGCCGCTGCCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCGCTGCGCCGCG	12
wt-39540-39660	3183	CGCCAGTCTGGGGGACCGGGTTCCTGGCGCTCCGGGGGACGCGGGGGCGCCGGTGGGTCCGCTGGGCCGCTGCCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCGCTGCG	12
wt-39660-39780	3184	GCCCGCGCCAGGTCTGGGGCAGCCGGGGTTCCTGGCGCTCCGGGGGACGCGGGGGCGCCGGTGGGTCCGCTGGGCCGCTGCCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACC	12
wt-39780-39900	3185	GCTGCGCCGCGCCAGGTCTGGGGCAGCCGGGGTTCCTGGCGCTCCAGTGCACCTGGAATGCAGGGTGGGGCGTGGTCCCTGGACCCAGCCCGCGATCCCTCCCCAGGGCGTA	12
wt-39900-40020	3186	CCCGCTTGCCTGTTCTGGGGCTCCTCTGGGGTCCGCTGCATCCCGGTTAGGGTTCAATGGGCGTGGTCCGCTTGTCTGCTGGCCCGTACGCCTGGATTGCCGGCTGGGGGTGG	8
wt-40020-40140	3187	GGTCCCGGACGCCCCCTCCTGCTCCACCCGGTTCCTCCCCAGGCGCTGCCCGCTTGCCTGGTCTGGAGCTCATCCGGGATGCTGCATCCGTAAGTCCGACCTGGTGGGTGGC	8
wt-40140-40260	3188	GGTCCGCTGGCCCAACCCTGGGGTTCCTGGCGCTCCGGGGGACGCGGGGGCGCCGGTGGGTCCGCTGGGCCGCTGCCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCGCTGCG	12
wt-40260-40380	3189	GGTCCCATGGCACAGCCTAGGGTCCAGGGGGGACGCGGGGGCGCCAGCGCCCGCTTACGGGGAGGACCGCGCCGAGCCAGCCAGGGGGCGCGGGGGTGGGGGTGGCGTCCCA	12
wt-40380-40500	3190	GGCCGGACCTGGTGCAGGCAGGGACCCCGCCAGCCGCTTATGGGGGGGAGCGCCGCAAGGACGCGGGCGCGCTGGAGGTGTGCACCCCGAGCGTCTGGAGACGCTGG	12
wt-40500-40620	3191	CGAGCCGGCCGCTCGCCTCTTTATCTCTTTTTGGGGTCTCTGTGAATACTTTAAGTTTGTCTCAGGAGTGGGGGCTTCTATTGGTTAATCAGGTGTGCATTTAGCCGTT	4
wt-40620-40740	3192	GGGTTTCATTAAGGTGTGCACAGGTGGGTGGTACCTGGAGGTATTTCTATTGGGATAACGAGAGGAGGAGGGGCTAGAGGTCCGCGAGATTTGGGGTAGCCGAGCCTCAGGAGGGTC	4
wt-40740-40860	3193	CCCTCCATAGGGTTGAACCAGGAGGGGGAGGATTGGCTCCGCCCGATATACCTAGTGGGTGGAGCCTAGAGGTAGGTATCCATAGGGTTCCATTATCTCGAGGTATCCTAAGCTCCG	4
wt-40860-40980	3194	CCCCTATATACAGGTGGGTGGAGTAGGTAGGATTACAGTAGGTTCTACTGGGGTACCCCTACCTACCTTAAGTGCACCACCTTCTCCTTCCGTTTTAATGGTAGAATAACC	4
wt-40980-41100	3195	TATAGGTTATAACCTAGTGGTGAATAGGTTATTCAGCTGGGTATATACCTATAGGTATATAGAAGTACAGGAAAGGAAACCTATAGTGAATCCCTCCCGCCCTACCCCGCTC	4
wt-41100-41220	3196	CCTTACGGTTCGCTGAGCCATCCCGACCCAGCACCAGGGGGTACGTTGGACCCCGCTGCCTTACTGACTTGTACACCTTGTGCACATTTGGTCAGCTGACCCGATGCTCCGCACTTC	4
wt-41220-41340	3197	TGGGTGCATGACCTGGCGTGTCCCGTGGACAATGTCCTCCAGCGTGGTGGTGCCTTTGGGATGCATCACTTTGAGCCACTAAGCCCGGTTGCTGCCTTGCCTGCCTCACC	4
wt-41340-41460	3198	ATGACACACTAAGCCCTGCTAATCCATGAGCCCGCTTTAGGAAAGCACCAGCTCCCGGGAGCGAAGGGGACTTGGGGTATTTCCTATGTGGGGTGGAAATATGAGCAAGATAAG	4
wt-41460-41580	3199	GACGGCTCCTTATAACCTGATCAGCCCGAGTTGCCTGTTTCATCACTAACCCCGGGCTGAAGAGTTGACAAGAAGGGTCAAGTTTTCGCTGTGTGTTGAAGGGCAGGGCTGTT	4
wt-41580-41700	3200	GGGTGCATCGAACGGCTTACCTCGGTAAGTGTGTTGCCATTAAGGTTGGGATTAGGTTTAGCCCTTTAGCTGCCATTTGAACCGGGGTGCAGATGCAGGTCTCCGGTGGG	4
wt-41700-41820	3201	CAGGCAGTACGAGATGTCACGTTGTGTTCTTCCACCCCTGTCTGGCTGTGGCAATGCGACCTCATAGAGTTGTGTTTACAGTCTGTGTCTGTTTTGCGGTGGGTTATTT	4
wt-41820-41940	3202	CTTCCCTCAGTGTGGCAGCTTATTTCCAGTTCCTACGTAAGTGGGCGCTGTGGACACCTGAGGGAGCGGGCTTGGTGGGTATGTGTTGGAATGCTCCACCCCTCAATTTTCGCTT	4
wt-41940-42060	3203	GCCTTCTCCCTTGTAACTGATAGCATAGCCTTAGGTTTCCTTGTAGGTTCTTTGGTGTGTTGGTTCAGTGGTCTAACTTGAATTTTTGGTTTTCTAGTTCCTCTTAATTA	4
wt-42060-42180	3204	CATTTGCGCAGATCTTGTAGAGCAAGTAGGCTTATTAACAAAGGAGATACTGTTAGCCCTGTGTATACGGGACAGCTGTCGTGCATGGAATGTTACCCCTGCATCCTGTGTTGGAGCTA	4
wt-42180-42300	3205	GCAGCAAGAGAAACACCTCCTCCGCTTTCGCGCAGGAGACTGTAGTCTCGCTTATCATGTGTTGCTTGGAGGATAAATGAACGAAATTCAGAGACATTTACAGAACTTGAACAGA	4
wt-42300-42420	3206	TTTATAACACACACCGAACATGTGGATCTGGATTTTAACTCAGTATTTTAGAGATATTTACCCGTGGAGACCCAAAGCCTTGGGCGCGCTTGGCCTGGATGGCCTGGTGCATGCC	4
wt-42420-42540	3207	TGCAGGACATGTGTTGTAACCACTACTCCTTACTATGTTGGACCTGTGAGTTCGTTGGGATGTAGAAGCCAGCGAAGCCCTGGATGGTGGATTCAACAGGGGGCTGGTCT	4
wt-42540-42660	3208	ACATTAATTGAAGACAACATTCCTGGATCCAGAAGGTTTAGCTGGACTTTGTTTCTGCTGGACTGACTTTGAGTCTGTAGTATATATGATGTTATTTATCTCCAGAGGAAGACAC	4
wt-42660-42780	3209	TAATCTATACATTTTCTCAGCACTTATATGAATCAGGGTCAATGGGCTCGCGGGAAGTACAGCAAGTGGATATAGGCAAGGGTACACAGTCCCGATGCATTAATTAACCAAAAC	4
wt-42780-42900	3210	AGTGGTCTGAGTTTTAGGCCGGCCATGGGGGCTTACAAGAATAACATGCCAATGACCCGGCCCACTTTAAATTTCTGTTGCAGCAGATAGCTGATACCCAATGTTATCTTTTGGCGG	4
wt-42900-43020	3211	AGAAATTGAAAGTCTGCGCATATCTACAATGGGTGCTAGGTGGGATATACCGCTGTGGTGTCTAACGGGAAGTGTGAAGCACACACGTAATTTGCAAGCGGTGCTTACGCTCT	4
wt-43020-43140	3212	TCGTTAAATAACACAAGGACAAGTAAAGAAATAACTGAGGTGAGTGTGGGAAGATGGGAATACTATGTGTTATGTTAACGGGTGAGAGCCTACTGACGCCAGACTCGGGGGG	4
wt-43140-43260	3213	AGGAGGAAATGGTAAGATTACTCTACTTATCTTTTTGACACTACATTAAGTGTATGTAACAATGTTGCTTATTTTCATGTTCAATAAACGCTATGTTAATGATGAAGAACCTG	4
wt-43260-43380	3214	TGTTCTTTGGAAGTGGGCCAATGGGGTAGTAGGTTTTGGGAGGTGCCGTGTAGATATTTCAACTGCCACAGACCCCAATTTTGTCCACCTGTTACACACATCTAGTCTCGCATCCA	4
wt-43380-43500	3215	GTGGGCCAGGTGTCTACCATGGCTCTTCTAGGTGGATACCACAGTCCAGGCCCAAGGCTACCGTCTAATACCTCCTCATGTCCACCCCGCCCTGTGTTACTGTCCGCTGATTA	4
wt-43500-43620	3216	TCCTGGCTTAGCAGCTCCAAGTTTACAAGAGTCCATTGCCCTGCCCTTGGTCCAAGTCTCGCGGTTTTGAGCAGCTGTTGTAGCCTGCCCAAGTTTCCAGGTTTCCCCAT	4
wt-43620-43740	3217	GCCTCCACCCGTTAACCCAATAGCATGACAGCCAATCCAACAGGCAAGTTTAAAGATTAAAAGCAACTACTGTTATTTCCAAAATGAGCTGGGATATAGTTGATGATCTGTAGGC	4
wt-43740-43860	3218	GCAGCTCATCCCCACATCCAGGTCCTTGTAGGCTCGTAGGTCATCTTCGTCGACATTGACAGCCTTCTCATATACCGTGTCTCTGGGGTACCTTTATACAGAAAGGCGTCCCCTA	4
wt-43860-43980	3219	CTAGGTCCAGGCCAGCTCGTAGGTGGGCTATGTTTTCACATAACAGTTTCAAGCAGTCTCTGGGATGTGAAGGAGGTTGCCCTGGAGCAGGAGATGCATGATTAGGCGCCTTTTTC	4
wt-43980-44100	3220	CATTTGTGCTGAAGATGGGGCAGATGGTCCACAAAAGTGTCCGGTGACCAGGTAAGCGTAGAGAAGGCTGGGTGGGAAAAGTCCAGCCTTTACTGCACTGGGAGAGCTGCTGAGCAGAG	4
wt-44100-44220	3221	ACACATAGAAGTCTTGTGGTATTATCTTGTGGACATTGTTGAAGAAGGAGAGCTGGTGGAGCTAAACTCCTGAGGCACATGAACCTGGGACCTATTGATGCAGATCTCGAGTGAG	4
wt-44220-44340	3222	ACCCAGAGTCAAGGCTGTGGCCGAAGGGAGACAGGCGAAGGCAAGCGCCCGGGGGAGAGATGCACAGTGCAGTGGGAGAAACACGGCCTGTGAGACATGTATGGGGTGTTCATCTCAC	4
wt-44340-44460	3223	GCAGAAAATCTTTGCCAGCTCAAAGTTGGCAGAGATCCCCTGAAGAAAGTCCCGTAGTGAAGAAATGGGATCTGTCTACACCATGTCTGGTGTGCCGGGAACATATTGATCGGGCCACAC	4
wt-44460-44580	3224	TGCCAACCTTTCCATTTCCAGCTCTGAGGAGATTTCCACACTTGACACCGACTTACCGTATCGCCGAGCGCTTTGAGGCCCTGTAGTTTTCTGTGGTGGGAGCTGCAATGAGC	4
wt-44580-44700	3225	GGCGCAATGCGGGATCTCGCGTCTGTTGGCGTGAATTTACGCGATCTGGGTGACCGGGGACCTCGGGTTTACTTTTACACAGTACGCTGGGAAAGTTGATAGGACTGTACCAGGT	4
wt-44700-44820	3226	CAAGGCCGTGGATGCGCAGGACACGCTCCAGTTCCTTAGTGACATCCACGAGGATTGTTTTGCCACTCTGGCCACTTGTGTGGATTTAAATATGTACACAAGCGTAATTAACGAGTCA	4
wt-44820-44940	3227	AGACCCCTGTTCCAGATTCTGACCGGCTGCAAGCGCTGCCTTAAAGCGCTGGAAGCTGGTGGGTAATCTGACCAAACAGCAGCCTCGGATTCTGTGATGCTGTGGTTGATGGCACACA	4

wt-4490-45060	3228	GGGGGTCGCAGAACAGTGTCTTGGAAAGTCTTGCGGGGTGCACATCTGCAGCCAGGCCCTTAGCCTGGGGCATGGCACATCCAGCAGCGTGTTTGGGTCTTGATGAGGAACAGCATCC	4
wt-45060-45180	3229	TGCTAGGATTTGATGTTGTTGCCGAACGAGTCAAGAATCAGGCTCTTGAAAGCGGTCAAGGGTGTCCCTTGGCGTCCGGTGGGCCCCGAGGCTCTCGCAGAGTGGCAGATGGTCCGTG	4
wt-45180-45300	3230	AGGCATTCTTGTCCTTAGTCCAACATGGGGGCCAGGAGGCGAGGGCCCTGCGAATGCTGCCAGCCTCCGGTCTGGTGTAGGCCAGGGCCAATCCGCCAGCTCATGCCGTGTATT	4
wt-45300-45420	3231	CCGCGTTTTAAACCAGATAGCATGGTGGCCTGGCCCCGAGCAGGTCGGTCCCTGCCACGTACTAATAGTAGTCCACAGTAGTGGCCCTGGTGTAAATTTAGGAGAGAGTCCCTCCCT	4
wt-45420-45540	3232	TTTTCGGCCCTGAGAAATGGATGCTGAACCTCGGTTCTTGGTAGGCAGGTGGCAGCAGAGGGCGGTGACAGGCCCTGCCCAGCTGCCCTGGGACATCTGGGAATCTTTCAGAGTTCTGG	4
wt-45540-45660	3233	GTCCAGGGAGGTAAGAAAAGTGGGGTGGTTCTGGCCACATGGACTTAAGCAGAAGTGGCCGGGATGCCCAGTGGAGTAGGATTTAGAAAATCCAAATTTGTAGTACCAGGT	4
wt-45660-45780	3234	TGGCATTCTAATCATGTGCAGAAAGTGGCAGCCAGGAGGACCCGCATAAAGTGTAAAAGTGAAGCTGGATGTCAATGGCAAGAATCCTGGAGGGATGAAAGAGGAAATCCAAACCCC	4
wt-45780-45900	3235	CCATGGGGAAGTATTTATCAGGATGTGTA AAAAGTCCATGCCTGTGATGAGGCTAGAGATCCAGGCTCGTGGGCCATTAGACAGTAGTAGCAGAGCAGGGCATAGTCTCAAAGAAGG	4
wt-45900-46020	3236	CCACGGGGGCATCTGAGTGATTGACCAGGGTGTGAGCAGATCACAACTCGGCAGGTGTGGCTGGAGAGAGGGACTCGTAGGTGTGGACGAGTGGTGGGTAGGCTATGCCTTCTCCG	4
wt-46020-46140	3237	CGTTGGCTGGAAGATAGGAGTGGGCCATAAAAGGCCAGTGCCTCGAACTGGCTTTTCAGATGTCACGGTCCAGGGCACAAAGTCCATCTTTGGAGTTCTGCCCGCATCTGTG	4
wt-46140-46260	3238	CCACTCTGTTACGCCACTCCTCGTAGGGGCAGTGCAGAGCTTTTTCCGGTACAGGGGTTGGCTGTGGCTTGTGACCCATGACACATCTGGTGGCAAGTGA	4
wt-46260-46380	3239	GGTCTTCTGGTTTTAATACCAGGTCGGCACCAAGTTTTCTGGACACCCCAAGGATGCTGGCAGCAGCAAGGATGGGTGCAGATGTCAAGGCTACGAGGATCCGGGGGCATCTTTGAGTTTCT	4
wt-46380-46500	3240	CGCCTATGATCCACCCCAATCTGCCCCCTAATGCGCCATCTGCCTACGCGAGGCTGAACCTCCTGAATCACTGCATCTTTCTGAGGCTTTAAAGAAGAATAAGTGCCAGGGCC	4
wt-46500-46620	3241	TGGTGGGGTCCAGCTGAGGTCTAATTTTGAAGAAGGATATATAAAACAGGTCATTGCTCGGATTGTGGCAGCGCATAGCACCTAGATCTAGTGAATCATGGCAGCCGGAAGAG	4
wt-46620-46740	3242	AGGCTCTAGACGAGCTCAATAACGTAATTGTGTCATTCTGTGTGACTCTGGTCTCTGGAAGTGGAAGATGTCTCCGGGGCGCATGTGTTCTCCAGGGGCAGCTCCAAACCCCTCTGC	4
wt-46740-46860	3243	ACCGTGAAGTGCGCCAGGCAGATTTACCACCTGGAGTTTGTCTACAAGTTCTGGCCCTTAAGCTGAAGAACTGCAACTACCCTCCTCGCCGTTTGTGATATCCAAACAAGGC	4
wt-46860-46980	3244	CTGGCCACCACCTGAGGTCTTTTTGACAGAGCCGTGGGTCTCAGATCGGGCCAGAGCGGCCCTTGCCCTGGTCTCAACGGATGTTGACCTACCAAGAACTCCATCATATGCTG	4
wt-46980-47100	3245	GGCCAGGATGACTTATTAAGTTCAAAGGCCCTGGTCTTCCCTGCTGAGCTTGTACTCTGAAATCTATGGTGGTCTGCGGGGCTACATCACGGAACACCCGACGAGCATGCGATTT	4
wt-47100-47220	3246	CTGGTGTTCAGGCCCAACGCCAGAAAGCCCTCGGGTCTGCGGTCATGGATATGATTAGTATGATGTCTCAGCAACTGTCTGGTCTGGTCAAGTCGAGGATACGGGCGCCAGAGTCACAGG	4
wt-47220-47340	3247	GGAGAGGTCCAGGCTGGCGTACGACACTCGGGTGTCTGGGGACTCAGACTTAAAGGGGGCGGTTGGTGGGACTTGGATAACTTTTCAGAAAGTGAACCCAGAGCCAGAGCGGAG	4
wt-47340-47460	3248	TACGCTCTTGGAGGGACAAGACTCGTGGTGGAAATCCGAGGCGGCGCCTGGAAGAAAGAACTCGTAGGACCCCCATCCGAGGCACCCGACGAGACTCGCCGATGCGCGGG	8
wt-47460-47580	3249	AGCCATTCAGGGTGGAAACAGTGCACCGGAGGGGAGGACCGTGGTGGGGGAGCATGGCTTATTCTGGCCGCCAGCATTATCTGGCACGGGTGGGTGGGTACCGCCGTG	4
wt-47580-47700	3250	GCCCTGCTCTGATTTCTGAGGTGGACTGTGACTGTGCAGGCTTGGGAGCGGGGTTCTCCAGGCTCTGGATCTGGGGTGGCTGCCTGGATCTGAGCTATTGGAAAATGAGGG	4
wt-47700-47820	3251	AATTTGTTGTTTTGGGCCAGGCCAGCTTCTGAGGCGCTGTGGCCTACGCCAGGCTCGCTTTCCGAGCCACTGCTCCGCTACTGGTGTGCGAGGTGGAGAGGCCCGGGGGCC	8
wt-47940-48060	3253	GCAACGCCTTTTCTAGCTTATTTTTGGTTGTGCGGCTGTTTCCCGCGTTTTCCGATAGAATAGTGCCTGGATCTGCAGCCGCTCCCTTCTGCGAAAACACCCGCGCCGTGG	4
wt-48060-48180	3254	CCAGGGTACCAGGGCTCGTGAAGAGTCTTGGCATTCGTGTTGAGCGTAGTACTATGACCCCTTGGTAGGCAAACTAGGCCCTGTGGAGCGCTGCTTGGCATCAAGA	4
wt-48180-48300	3255	ATTATGTCGGGCTGAGCTACAAAGCTGTGACAGGTCCGAGCTTCTCCGCTGGCCAGTCTCAGCCAGCAGTCTATCTGGCACGAGTTCCGCACAGAGTTACACAGCGA	4
wt-48300-48420	3256	CTGCACCTTCGTCTGGTGTATGATGCTGCACAAACCGGCCACGAGCTACAGCTGCACCCGCTTGGATGCCATATCCCTGTCTGGAGCCGACCAGTTCGATCGCGCCGT	4
wt-48420-48540	3257	CGTGCCTGAGGAGTGGCCACTGTCTTCTGCCTATACCTGCGCTCTGAGGGGGGAGAAAGACGGGCGGGGCTAGGGGAGGAGCTCGTGGGGCGCGGGGGCCCTGCCTGAGCGGG	8
wt-48540-48660	3258	ATGTTTTCTGGGCATCGTAAAGCCGAATGTTCTCTGCTGTGCTGAACGTGCCTGCCGCGGGTCCCGGGCCTACAAGTGTTCAGATCCACGCTCCAGACCGGTGTGTCGGCCGG	4
wt-48660-48780	3259	ATTACCCTCCTTGCCCGTGTGTTGATGGACTGCGGTTACTGCTTGAACCTTGGAAAGCAGACAGGTGTAGAGGCGAGGCTCAATCTTTAGACCCACTCTCCAGTTTATCCCGTG	4
wt-48780-48900	3260	ACCAGAAGGAGAGCATGTGCTGACCTGCCATGCCAGCGGCGTGTGACTGCTCAACTGCGGCTGCGGGGTGGCTGCCAGAGGCTGGCTGAGCCACCGAGCGCCCTCGGGCT	8
wt-48900-49020	3261	GGCGGCCCGCAATCCGGGCAGTCTGCCGCACAACCGGCCACGAGCTACGAGCTGCACCCGTGGCTCCCGCTTGGATGCCATATCCCTGTCTGGAGCCGACCAGTTCGATCGCGCCG	8
wt-49020-49140	3262	TGGTCTGCGGGGGTGGAGGTCAGGCAGCTCTGTATTAACCTTGGCGACAGAGGCCAGAGCCGTTGTCCATCTGTGACGAACGCCAAGCTCCAGAGGACGCCGCGAGCAGCCTC	4
wt-49140-49260	3263	ACCTGTCTCTCTGTTTAGAGGTAGAATTGCCACCTGGTGAAGGGTGTGCGGGCTGCCGCTCTATCAGACGGTTAGGACGCGGGCTGCCAAGCCACCCCTCCAGGGGAGGCTG	4
wt-49260-49380	3264	GAGCGGATTTCCAGACAGTCCCTGCTTCTTAATTTCAAGAGCTGAACAGATAATCTCCCAATGATGTTTTGGGGAGGCTCAAAGAAGTACTTGGTATTTCTGACATCCCAG	4
wt-49380-49500	3265	TTCTGCTACGAAGAGTACGTGCAGAGGACTTTGGGGTGCCTGCGGCCAACCGCCATAGACAAGAGCAGAGCCAGTGTGGTGGGGTGGTGTCTATGCACACTTGGCGGGT	4
wt-49500-49620	3266	TCCGCCACCCCGTCCAGCAGGCTCAGGCCGCCATCCGCTGGGACCGGGGCTTGGCATCATCAGCAGCGGTCCACGGCCGTAAGCCAGTCCGCGACCCCTGTGTCTTCAATCTATT	8
wt-49620-49740	3267	AGCAGCCTCCGGGCGCAGTCTGGGGGCGACTGCCGCCGCTCCGCCGCCGAGCGTCGATACCGGTCAGTGGCGGGGACAACCCACGACACCCGCCACGCGGGGCAGCTAAG	12
wt-49740-49860	3268	AAACAGTAGAGGCACGAAACATGGTGTATGCATTTAATAAACAATTACAGATACAAAACTTGAGTCTCTCGAGGTCGCGATGAGCGGTTGGTGGAACGCTCCAGCTTGGCG	4
wt-49860-49980	3269	GAAGCTGGCTCAGAAAGCAGAGACTACTGGCTAGCCTGACTAAGGGTGGAGCTATAACGCAAGTCTGTTCCGGGGCGCGGTGGATAGAGAGAGGGGGATCCGGAGGGGACCACTA	4
wt-49980-50100	3270	GGTCCGGGAGGTTCAGCCCTCTGTCAACCTCCCTGATAATGTCTTCAATAGACAGAAATGGGTGACCCTGAGGGAGTGTCCACAGTAAATGTTCTGGTCTGATGGCCGG	4
wt-50100-50220	3271	GTGAGGCCACGCTTTCGAAAACAAAGTGTGTA AAAAGCGCGGATAGCGTCCGCTACCGGATGGCGGTAATACATGCTATCCTTACATTTTGGCACTTTGGCAGCTGGGAGCGG	4
wt-50220-50340	3272	CGGATGGGGTCTTCTTTTCGCACGGTGTATGTTGGGGACCCGATGCCGCTACTGGGATAGGCACCTCGGGCCGCCAGGCTCCGAGCCGGAATGCAATGGGGGAATGGGA	8
wt-50340-50460	3273	TTGGGGGATTGTTGCTGTCTGCTTGCAGGGAGAGACACGCGCGGGGAGATGCAGCCAGCGCGGGCCCGGTTGGCTGCCCCGAGGACGGGCGCGCCGCCAGCGCCCGC	12
wt-50460-50580	3274	TGGCCTTTGGCAGGGCCTGGACCCACCGCTTAAATGTTGGGGGTGGCAGGGCAGCTGCATCTTGGGGCCTTGTGCTTGCCTTTTGGGGGGCGGTTGCCAATGCACCAACTGGG	4
wt-50580-50700	3275	TGTGCGCGGGGGCGCAAGCCGACCCAGGCGGGTGCCTGGGGATGGGAAAGCCGAGGCGGCTTCTCCGGTGGCAAGCTGGAGTCCGAGGAGGCTGCTGCGCCGCGGGCACCA	12
wt-50700-50820	3276	CGGGCCAGGGGTTCGAGCCCAGGCGGTGGGGAGCGGGTAGCGAGGGCGAATTCGCGGCTCTTCCGCCCCCTGCTGTTTCTCCGTTGCATGATAGAATGGCCAT	8
wt-50820-50940	3277	AGGGTGGCTCCTGAGAGGAGCTTGTGTTCTGGGCTGAGCAGCCAAAGCTGTTAAAGATGCCGCTGATGGTGGGAGCTATGCTCCGCTGCTGCTGCGCGGGCTTGTAGGGGGCTG	4
wt-50940-51060	3278	AGGGTGGATAACTGGGCTCTGTAAGGCAACCCCTGGAATCTGGATGATGTTTCTGTGACCCGAGGCACTGGTGTAGAGTGTGGAGACAATGTGATAGCATGGGGC	4
wt-51060-51180	3279	CTTGTTCAGAAAGCCAGGGACTTGAAGGGGGCTGTTGTGGTGTGTTGGGAAGGAGCTCCAGGGAATCTTTGGGCATGGCCTTGGGGAGCTTCCCGAGACCGGCTGCGGCTCTCGG	4

wt-51180-51300	3280	AAGCCCTCGTTTCGGCCCCGAATAGGGCCTTGCCATCAATCGGGGGCCTGGGAGAGTGATGGGGGGCCCAATCCCGGGTAACTGTACGTCCCGGGGGAGGAGGTAGGAGACAGCC	8
wt-51300-51420	3281	AGTCCTGGGCCCTGCCAGGGGCCACCTTCTAAGAGGGGGCTGTGGGCTGGGAGGGCCAGAGCCCTCAGATTCAGCAGTAGTGCTCCCTTTTCCCTCGTCCCTCCCTC	8
wt-51420-51540	3282	CCAACTGCTGGAGCCGGTGGAGGAGGCCGGGGTGTATCTGCTGACTGAAACCCGCTCCCGCTGACCAGTCCGTGCCACCCCTTGGGGGAAACCCGGAGAAGCTCCTGGACGTTGC	8
wt-51540-51660	3283	GTGGATTGGGGGAAGCTGGTATCCAACCGGCAGTGGAGGATCTCGTGCCTAGAAAGGAGGGGTTGAGTACATCGGTGGCCATCGTAGGCCCGGCCGCTTAAAGTAGAACTGCA	4
wt-51660-51780	3284	CGTCCGGCAGATTGTGCCGATAGGTGAAACACTTCCAGATGATTTTTTCTGTTGGCCAGGATGCCACCGTGGGGGGCCCTGGCCCTTCTAGTGTGGCGGCCCTGGCTCGGTGAGAA	4
wt-51780-51900	3285	GCTCGCTAGCCACAGCCCTGGCTGCAAGAGTGACATCTCGCTGCAAGCTGGAGTACCGCTCAGGATCCTGCAGAAAATTCAGCGAGATGTCCTCCACCGAGCCGGAAGG	4
wt-51900-52020	3286	GCTCAGAGTGCCTGCAGTAGGAGGACGCCCCCTCCCGGAGGCTGACTCCTGACCAGCTGTAGGTAGAGATTCAGAGGAGACAAAGAGAGTTAGGGGGCCAGCCGAGGAGCCGG	4
wt-52020-52140	3287	CCGCCACGGCCCTCAAACCGGAGACGGGGATGGTGTACCCGGAGCCCTCTTAGGACCCTGATGGGAGTGCATAAGGCATAAGATTTCTCAGGGCCCGCCGGTAAACGGTCCGT	4
wt-52140-52260	3288	AGGAAGACGGGGTTTCGGGGGGACCTCGAGTCCCTCCGCCCTGGGGAGCTTCTCCGCGTGTATAGGCCCTGCTTCAAAAGTCGCGCAGGTAGTCTGAAATGCGACCCGGCCCTCCA	4
wt-52260-52380	3289	GCGGGCGCAATGAGTCCAGAGCTGCTGAAGGGCTCGGGGGCGAAGCACCCGGCTGCGAGGAGCAGCATGACGGCTCGGGCGCGGGCCCTACTTTGGTTGGACCCAGGCCAAAGAACT	8
wt-52380-52500	3290	CGGGTGGCCAGAGGGCGCTCGGTATCCATCTCTCCAGCGCTGGAAGAAGATGAAGCCGGTGGTGGACCCGGCATCGGTGGCGGTGAGCCGGCGCGCTTCCCGCT	8
wt-52500-52620	3291	CGTTGCTCCGCGGGTGGTTGAGCGGCTCCCTGGGTCTCGCGAGACGTAGCCGGGTTAAGGGGTCGACGGGAGACTCTGTTCCAGCCAGAGGGTCCCGGCTTCCAAACCCCATCTCTCGCTAG	8
wt-52620-52740	3292	CCGAGACCAGCCGAGTCTGCGTAGAACGATGGGGGCCAGGAAGGGCCAGCGTAGGCCGGATGTGTGCCAGCAGCAGCCCATCATCTCCGTTGTTCCAATAGAATAACTTCCC	4
wt-52740-52860	3293	GGTCTGTGGCCGGGGTGGATAAAGGGGGTATTCTAGAGGCGATGAGACTGGCGTCCGCTAAAAGTGTATGGCCACAATGGGGTGTCTGCCAGTCTTCCATCAGGGCTTTGGCG	4
wt-52860-52980	3294	CAGAGACGTATCCCGAAGCAGCTCCCGGGCTGGACTCCACGCTGGGCCAGGTGTCCAGTAGGAGTGGCGGGCGGGCCCTGAGCGGGCGGAAGCTACACTGGCCAGGGTTCTTC	8
wt-52980-53100	3295	TCCTCTCTTGGTATCTGCGGGGACCAATAGCTTGGGGCGTCCGGCTGGGTGACGAGTCCCTGCAGCTTCCCTGCAGCTGGGACTTCTCGGCTCTCGATGATGGCTCCAGTCGGG	4
wt-53100-53220	3296	AGACGGGATGATGTTGAGCGGCTCCCTGGGTCTCGCGAGACGTAGCCGGGTTAAGGGGTCGACGGGAGACTCTGTTCCAGCCAGAGGGTCCCGGCTATTTCCCGGCCCTGCC	8
wt-53220-53340	3297	CCGCCAGAAATGTGCCCGCCGGTGGGGCTCCATTGCCCATCCAGTTGGTGGTGGCGAAATCGTGATGAGGAGGGCAGGTTGTTGGTCAAGGGATGCTTAACGAAAACGGTAGGCT	4
wt-53460-53580	3299	CCACCAGATCTTGGCTGGCCGGGTGGTGTGGCCCTGGCTGGGTGACCAGATCCTGCAGCTTCCCTGCAGCTGGGACTTCTCGGCTCTCGATGATGGCTCCAGTCGGG	8
wt-53820-53940	3302	CGCAGATCCCGGATCCACTTGGCGGCTGCCAGGATTTCCGGTAGGGCCATGAGCCGTTCCCGGGCGCTGCCCGGGCAGGGCGCCCTCGAGGGGAGCCTGGACAGGGGCTTTGGGCG	8
wt-53940-54060	3303	GGGAGGGAAGCAGGCTCCGGATTCTCGTGGGGCTCGTGGGCTGACCTGGAGAGGACGGCTCCAGAGCCGTGAAAGCCCCCGGAGTGTGCGCCCATCTCGTGGGCTTCC	8
wt-54060-54180	3304	CCATCAGGCTGGCTTCCCGGACGCTGCTCCAGCGCCGGACTCGGCCGCTCGGGCTCGGCTGGTACGACAGTCCGAGAGAAAGTCCCGCTGGCTGGGAGATGCGCCGCTCTC	8
wt-54180-54300	3305	GCCTTGTGAGCAGCTGGGGCTTCTTAGGCCAGAGCCGAGTCCGAGGCCAGCCTGGCGGGGGCGTTCCCTGGGGATAGTTGAGGAGGAGGAGGAGTTAGCCTGGCTGGGTATTAG	8
wt-54300-54420	3306	TGGCTTCGGTAGCGTCCGATCCAGTACTGCTCAGTACGATGGCCGTCAGGCCAGCCTCGCTGCTGCTTTTTCCAGAAGCCCGCCAGCCCGCTCGTACTCCGCTAGGGGGCT	8
wt-54420-54540	3307	CCAGATCCGTTGACCAACCGTATTTATGTCGGGGACTGCAAGGGCTGGCGGCTGCGCGAGGGCCAAACGGATGGCATCGGCCCGCTCTGCGCGAAAGAGGGCCCGGGCG	8
wt-54540-54660	3308	CTTCTCCGCTCTCGCCCTCTCTCTCTTCTTGGGGTAGCCGCGGGGTGGCGGGCCAAAGCTCCAGTCTGGCCAGAGGGCCGGTCTCGATATCCGTGAACAGCCGGTCTCCGCGG	8
wt-54660-54780	3309	CCTCAATCTCTCCCGCACCAACCATGCTCCAGAGCAGGATCGAGTCTCTCCCTCCCTACCTCTGTTTCCCAATAGCATAGCGGCAAGGATCTGTGTGAGGAGTCCCAAGATGT	4
wt-54780-54900	3310	CCGTGTTCTGGCTACTGCCCGCTGCTGCCCGGCTGAGTCCGTTGCCATCTCGAATGTGTGACAGGGCTCTGAGACCATGGGTCCAGGATCGGTCAATGCCATCTGCACCTCAGGGT	8
wt-54900-55020	3311	CCAGCGCTTCTAATCTGGCCAGGCTCAATCGCTCTCGGCTCGCCGCTCTGCTCTCTCTTCTGCTTCTCTCGGAGCTTCTCTTTCTTCTGCGCCCGTCTCCATAAGCT	4
wt-55020-55140	3312	GCCGAGCTTCTCTACATGCTGCTTGGCTTTGTTGGGGCAGTGTCCAGAAAGGCTCGAGCTGTTCCCGTGGCGGGCTTAAAGCCTCGCCCTCCAGGCCAGGCCGCTGCA	4
wt-55140-55260	3313	CCTCTTCTGTGAGCTGATCGTTGTTGTTATTCTCAATTTCTGCAAGTAACTTAGGAAGCCTTCTTGGCTTCCCTGGGATGAGCGTTTGGGAGAGCTGATTCGACGCCAGAGA	4
wt-55260-55380	3314	GTAGTCTCAGGCATCTCTGGAGCTGACGTGATCGTGCATCATAGACCAGCAGTACCTGGGAGCAGATTACCCCGCGGGCGCTCTCTTAAAGTGTGTGAGTAGCAAAAT	4
wt-55380-55500	3315	TCTGCAAGGCCACTAGCCGCGCTGGCTCCAGCCTCAGCCGTTGCCATCTCGAATGTGTGACAGGGCTCTGAGACCATGGGTCCAGGATCGGTCAATGCCATCTGCACCTCAGGGT	4
wt-55500-55620	3316	CAAGGACCCGCAAGTACGATAGAGGTGGTCTAGCTCTCTCGAAGGAGGCAATGATGTTATCGATGGTGTAGAAGGTGATGGATTTCCAGGATGTTTCATCAGGTACTTTTGGAGCGAA	4
wt-55620-55740	3317	CAATCTGCTGATAGTGCACGTAGGGGATGACGTGGGGTCTTTCGGGCCCGACTATCGACCCGATTCGATGACTTTTCTATGACGGGATGGTGGGGCCCGGCTGTCGG	4
wt-55740-55860	3318	CCAGCGGTGGCGTGGCTTCGGGGTGTCTGGTGGTGGCGGGTGTGCGAGAGGAGAGGGCGGAGAGATGGGGGGCGCTGGGGCCGAGGCCACACCCGGCCAGGCCAACATTGCCTCGATGT	8
wt-55860-55980	3319	CGTCCAGGATGGTGGGAGGCGCTTTGTTTTCTGTTGGTCTCGAGCTCCTCTGTTTTTTCGCGACTGTCTCAACTCTGGAAGGGGGCAATGCTGGGGTCTCTCTCAACTC	4
wt-55980-56100	3320	GCTCCAGGGGCCAGGGGATACCCGCTCATACTAAGGGCGGTGCCAGGATAGAGGAGCTCGCGATGCCATGCCATTCAATGGACGTGACCGGATGTTAGGAGAGGCAGGGAGCGGATGA	4
wt-56100-56220	3321	TCTGGCATGTGCGCCAGGTGTGTCAGGAGTCTGCAAAATCCATCACTGTTGGGAGGCTGGGTCTCAAGGTAGGAGAGATAATCGGAGGCCCGCAGGCCACCTTGTCCCTGATGT	4
wt-56220-56340	3322	CCGCGTACACCTGCGCAGTGCAGGGCCGCACTTCTGGACCGACGGCCAGTGTGGACAAAGGGGGGACTGAGGGCGGGGAGGGGGCCATACTATCGCTGCAACAGCGCCA	8
wt-56460-56580	3324	CGTGGGGCCCTGTAGATGGAATATCCTCGGGTCTCTCTCTCTTCCCGGCTCTGATCTCCGCCGAGAGCAGGTGGTACGGCTCTGGGGCCGCTCCAGGTCAAATTTTC	4
wt-56700-56820	3326	TATGGAATCTCCCGCTTCCCTTGTGTTCTGATAGCATGTTGCGAGGTTTGGATGTTAAGTTCGGAAGTGAGCAGTGTCCAGGTCCAGCGTGGGACCTGCAGATGTCGCCGAC	4
wt-56820-56940	3327	AGTCCCTTAAAGAAATCCAGCAGATTAGCACAGACATCGGTCCCTACTCCTTATTAGCCCTGCTCGAGGACCACTGTCAAGAAGATAGTCTATGCTCAAGGCATCTCCGCTC	4
wt-56940-57060	3328	GCACTTCCGGTTAGAGCCGGTCTGACAGCATGGCCTGTTCTGGTAGGTATGTCGGCTATTCTCGAATGTTGCTCTCGAGGGGACAAAGTCCATCTCAGGAGTCTCTATGCAA	4
wt-57060-57180	3329	AGGTGGTCTGATGATATTGGCTCTGGCGGTCCAGTGTGATGGGGAGCTGGGGCACTGGATCCCGATTCCAGGCTGTTGGAGAACACTTCATCTCGAACATGCTTTCATCTCTG	4
wt-57180-57300	3330	TGGTGGGATATCGGAGGCTAAGTGCCTCCGCTTCTCAGAGTCCGACATGGATAGGAAAGGCTCCTTAGTTCAGACAGGTAGCGGACGAGGCCAGAACCCCAAGATGCATATCCC	4
wt-57300-57420	3331	CAAAGGAGGGCTGCTGCCAGAGGGAGGTGATGGGGATATCTCCGTTCCAGCCGCTGACGGCGCGGGGGATGGTTTTTCTGGTTCGAGTGTCTGGTGTGGTGGGAGCTGCTGAG	4
wt-57420-57540	3332	CAGGAGGAGGAGCCGGGTGATGGCAGGGCTGCTGCTGAGGAGAAAGGAGCCAGGAGCCCGGGCTGATCAGGAGAAAGTGGAGCCCGGGGCTGCTGCTGAGGAAGAAAGTGGAGAGGAGCCGGGG	8
wt-57540-57660	3333	CGGCTGATGGCTGGCTGCTGCTGAGGAAGAAGTGGAGAAGGAGCCGGGGCTGATTGCGGGGCTGCTGAGTGGAGGAGGAGAAGAGTGTGGTGGTGGGGCTGCTGCTG	8
wt-57660-57780	3334	CAGTCCGGGAAGGGATGGGGTGTGACAGGGATTTTGGTTCAGGGAGCTGCTGTCGAGAGGGATGGGTATTTGCAAGGGAGGCGAGGAGATGGAGTACTGAAGGAGCGATAG	4
wt-57780-57900	3335	TTGAGACTGGCGGGGTGGGGTGTGGGGAGCCGGTGGTATTGGTGGGGATGGGGATTACTGGAGGGGAAGGCCAGCTGCTGAAGGGGGCGATGGGGCGAACGTGGGTGCGTG	8

wt-57900-58020	3336	GCAGCTGATCATCCTCTGTGTGAGTGGTGGAGGACAGAGGGAGGGCGGGCCGGAGGTTGGGCTTCTTGTTGGGGCTATCTTTGCCAAATCCCTTTTTCTCTTGGAGTCTGAGGCGGTG	4
wt-58020-58140	3337	CGCCGCTCGACGCCCTTGGTGGCGTGAGGGAGCGGGACCCCGGGGTGTGACCTAGGCCGGGATGGGGATGAAGAGGGAGGCGTGGAGCCGGGGCCGGAGCCGGGGCCGGG	12
wt-58140-58260	3338	AGCCCGGGCCGCGGAGGCGGGCCGCGGAGGCCGGGGCCGGAGGCCGGGGCCGAGAGGCCGGGGCCGAGAGCCGGGGCCGAGAGGCCGGGAGACGACGCCGGGAGTTGGTCT	12
wt-58260-58380	3339	TTGCAGGACTATACCTGGCGCGCAGGGAATGAGTCGGATGTGAAGAATCGAGAGGCCAGTGGCCTGAGGTTATACGGTATTATTCGCCGTTCAAACGGTAGCATGACGGGAGGGCTGCTAT	4
wt-58380-58500	3340	CAGCACCGGGGTCCCGCCGCCTCCCATCACTGGACACAAGCTCGGGCCCCACCAGTCAAAGGCTGCGCTGGCCATCAAAGTATACACGCATAGTGTCCAGCATAAAGA	4
wt-58500-58620	3341	TGCGGGGTCTCTGTCTCAAAGCCTCGGTAGAAAATAGAGTCAAGGCGAGTACTGGCCCTGGTGCCTCCAGTACTGCAGGATGCTGGCCATAGTGTGCTGACTGTGACT	4
wt-58620-58740	3342	GGCGGGGGTCCCAGGCGCCGCTTCGTCAGTGGGGTCAAACAAGTGAAGGAGGCCATCTGTCTCGATGATGATGGCCCCCGGCGGAGCCGGCCAGAGATAGAGGAGGCTGAACTGGG	4
wt-58740-58860	3343	CCACCCCTTGTAAGTCCGCGTGCAGGACCTCGGCCAGGGACTGAACAACCTGCCAGTTCGATCTGGGCGAGGAATAGGACAGGGCACAAGATCTCCGCCAGCGGTATATGTGCACGC	4
wt-58860-58980	3344	GCCCACCGCCCTCAGGACACGGAGTGGGCACGTCGTCGCAACTGGGCCATCTCTGTGCCCTTGGAGTGCCTGTGGCGCATGAGGGCATTACGCCGGCCCCCTGTCAGGACCT	8
wt-58980-59100	3345	CGTCCAGTCAAGGCGGGAGGTGAGGGGCGGCCGCCAGGAGCTTGTACCAGGTAGAGGACGCAGTTGTGACGCACTGGATGCCGGCAAAGCGCCAAACTTGCAGTGGGCCTGGT	8
wt-59100-59220	3346	TGCACGAGCCGTGCCTAGGATGCGGAGGGCCGAGCTCCACTCCGCCCCGGGGGCACTCATCATGATGTCCTGTTCCGCGATTCGGCGCACGGGGCCGGTCCCAGGGTGCCTGTGGT	8
wt-59220-59340	3347	CCCAGTCGCGTACTCATCTTCGCGGGTGGGCGGGAGGACGCTTGTGCCCCCTTCTGGTCCGGGGTCTACGCGGCTGGCGGCGGAGCCCGGAGAGATAAGGGGGTACGTG	8
wt-59340-59460	3348	TGTGCTCCGCTCTCTCTGTCTGGGCGCCGCCGCGCTTGGCCGCTTGAAGGAGAGGGGGTAGTCCGGGACTGCTCTGCGGGGCGAGGAGTCTCAACTTCTGGGCTCGGGCC	8
wt-59460-59580	3349	GCGGTGTCGATATCCGATGGCCTTTCCCTGTCTCTCGTATGCTCTCTCTCTCTCCCGCAGGCGCCCTGAGATCTGCCTCCCTCTCCCTCTCGTCTGGTCCGAAAAGTCT	4
wt-59580-59700	3350	GAGGAGGAGAAGGAGAATGGGAGGAGTCCAAAACGGCAGCCACCTGCCGTGGGGCGGTGGTGACAGTCCCGBGCTGGCCCCGGCGCTTGTCTGGCTTCCGCTTACCAGGAGAATG	8
wt-59700-59820	3351	GCCCGGATTTTTGGCGGGAGGATGCCGAATGGCGGGGGCCTTTGCCACGGGTGAGGGGGAATCGTGGTTAGGGCCGCGAGGAGGTGGTGGGTGGACCCGGGGCCGTGCAGGCA	8
wt-59820-59940	3352	AAGCGCGCAGAAACAGGAGGCTTCCTGGGGTACTGATCTGTTCGGGATTAGTCCATAGGCATGGCGGGTGTATGTTTTAATAGGGGTGGCTCTGGCGGGCAGGATGATGGTCGAGG	4
wt-59940-60060	3353	ACGTCACACAGGGCTTGCAGATGCTCTTCCTAGATACAGGATGTCGTCATGCTGAGGGAGGTGGGGTGTCTGCTCCCCCTCGGAAAGCCGCTGGTGGGGATGAAGACAGGT	4
wt-60060-60180	3354	GGTGGCGGGCCTCGCGGACTATGGCCTCGGCACGCTCGCGTCGATGGCGGTGGTGGAAAGCCGGGGAATGTGTAATCCCAGAACCGTAGCGACGCTGCGCCTGAGGGCG	8
wt-60180-60300	3355	CCCGTCAGGCTGATCCAGCTCCAGGCGGTCCACCCGCTGTTGAGCTCCTCGAGATCCGGACGCAAGGGCTCGCTGGTGGTGGCCAGAGGGGGTATCCGCGATGCCCGGCTC	8
wt-60300-60420	3356	TCCCTGAGGGCCGGCACAGGAGGGCCTTCTGAGGGTGGCCGCTGTCGCGCTGGCCAGGGCCACCTGCGCGGCGCTCCCGCCACACATCTGGATGCCCTCCAGACGCTCTTAGC	8
wt-60420-60540	3357	GTCTGGAGTCCGTGGAGTAGTGGCGGGGGAGGATGAACGCTCTTTCCCTTACCGCTACCCGCTCCGCTCCTTCCTTCCGTCGCCAGGAGTCTGACCCTCCCGGCTCTGGC	4
wt-60540-60660	3358	TCGTACAGGAGCGGGCGGAGCAGCCTCAAAGTCCGCGTCAAAGCGGAGATGCTCCGAGAGGGTCTACCCGAGACCAGAAAGCGGGGTGGCCAGGCGAACGACTCCGCC	8
wt-60660-60780	3359	GTCGTGCTATCTCAGGGTGAAGAGGAGTGAAGAGGGAGTGGCCAGGCAAGCGGTGGTCTCCGCCCGCCTGTAAGTGAGATAGTCTCGGAGATGATGCTGAGACCTCT	4
wt-60780-60900	3360	CGGACGCGCTCATGATCCTAAGGACTCGCTGTGGGACGACAGCCCCAGGGGCCCGCCCTCTCGTCTTGCACCTCGGCTCTGCTCCCCGCGCTTCCCTTCCCTCTAAG	8
wt-60900-61020	3361	TTGAGGGGGCGAGTCCGACCCTGGGGGACTCCCAGGCATCGGAGGGGGCCCGTATAGATCTCCAGACGTTGGCGTATATGAGTCTCGAGAGGAGGGCCGGGGCCGGCTCAGCTCG	8
wt-61020-61140	3362	GGGAAGGGAGGGCCAGTCCGTCGCAAGGAGACCAGCCAGCGGCGGCGGCGAGAGCGGGTTTTGGGCGTCTGTTGGAGAGACCAGGGCCGAGGGGGCCGAGATTTGAACTCG	8
wt-61140-61260	3363	ATGAAGCGCGCGGGAAGAAGGGCTGTGGACATAGCCGATCCGCGCCGCGTTTGGCCGCCCTCAGGACCGCAAGTATGCTCGACTCTGCTGGCGGGGCGCCGCCACCCTG	8
wt-61260-61380	3364	GCCGTCAGCTCTCTCCCTGCTCGCGGGGAGTAGGGGGGCTTACAGGGGAGGGCCGAGCCGGGGCCGGGGCTGCCACAGGCGGTGTAGCGGACCATAGCAGAGACCTGAGG	8
wt-61380-61500	3365	AGTTCGGATGAAAGTCCCCGCCACTGCTCATCTCGCCGCGGAGGGGGGACGATGAAGATGCCAGAGGGTTACGGCGTCCAAGGGTCCCGCCCGCCCCCACACCACAGCC	8
wt-61500-61620	3366	GTCCGGCGGGGGCGGGCGGGCGGTAGAGGGGGCCTGGTGGCCGGGCTCGTGTCCACGGCCTCGGCTCCGCCCGCAGGTAGGCGGCCGGGGCCACAGGGCGAAGCGGCTCGTG	12
wt-61620-61740	3367	GGGCTCGCGTGGGCAGCAGTGGAAAAGTGCAGGGCAAGCCGATAGACTCTTAGGAGGGCGGCTGGCTCGAGCCACCTCCACCAGCAGCGGGACACCCGGGGCAGAGGCC	8
wt-61740-61860	3368	AGCATATGGCGTAGTCCCAGCACGGCTCGTTGAGCCCGGCGAGAGCAGAACCCTGGCCACTGCTCGATGGCGGCTGGAGAGAAGGATCCCAGGGCTCCCAGGCTCCCTGCGG	8
wt-61860-61980	3369	CGAGCGCCAGGGCCTCATCTCTCGCCCATCCCAGGCGAGGAGCCGTGATGACCCGAGTCTGGGACGCGTAAGTCTGGTCCCAGAGCAGGGCCTGACACATAGCTGAAAAGAGG	4
wt-61980-62100	3370	GCCCCGAGGGTCCAAAAGCCGGAGCCGGCGGGCTCAAAGGCCAGGACGGGCACAGCCGCGACGGGGGGGTGTGCCCCCGTGGCTCCGCTACAGCCAGGATCTTACCGCC	8
wt-62100-62220	3371	CGCCCGGGGCCAGGGCAGCGAGCCACCAGCTGGAAGGACTCGGGGCGGTGAAGAGACCACCAGCGTTCCTTACCCTTCCCAGGGCCCGCCCGCCTACTGTGCTCCACC	8
wt-62220-62340	3372	AGCTCCAGGGCCTGGCCTGATGCTCCGCGGCGTGGCTGACCCCTGCCCTGACGCCCGCCAGGGTAGCGGTTGGTCTCCCGGTATACGGTAGCCAGCCATCCCCAGGCTGTTTT	8
wt-62460-62580	3374	AGCACCCTCCCCTGCTCCCTTTCGATGATGCGCGGTACGCGGCCGCGAGGGGCCGGGTCTCTCGCATGAGCCAGAGGCTCCAGCGGATGCTGGTGGCCGAGAGGCTGTGTTGGG	8
wt-62580-62700	3375	GGCAGTGAGGATGCCAGCAGTCCAGGCGCCCTCCAGATGGCCGAGGCGAAGCTGCCCTGGAAGGAGGGCCCGCGGAGTAGGTAGTAGGCGTGGTGGCGGAGGACCGCGCGGG	8
wt-62700-62820	3376	TAAGCGTGGCGCTATGAGGGTGAGAGTATTAATAAATCGCGCACCAGCAGCCGCTGGGCCAATCCCGAGTCAAAGATCCCCGCTCAGAGGCATACGCCGCGCAGGCGGGCA	4
wt-62820-62940	3377	GCGGGGTCGTCGCCAGACAGCACTGACGCGTACGCGGGGAGCCCGGCTCCACTTGCAGGGGTGGTGGCGTCTGCCCTCCGCTACCGCCGCTGCTGACTCTCCATA	8
wt-62940-63060	3378	GCGGACCCATGAAGTCCAGGGGCTGCTGATCGCCCGCTGTCGAAAGGCGGAGTGCAGCCGCGGAGTGCAGCCGCGGAGTGCAGCCCTCCGCGCGGCGTCAAATTTCCGGGGTCCGAATTCACGGG	12
wt-63060-63180	3379	GACGTTGCTGGCTGTTGAGGAAACAGCGCAGGCTCTCGCTGAGTGGCGGCCGCTCTGCGCGCAGGGTCTGGCCGCGCAGGCTGCTGCCCCGGGGGAGTGGCGGTGCGCGGGGTGGCAGTGGAGGG	8
wt-63180-63300	3380	GGGAGCTTCACTGCTGGTGGTGCGGCCAGCTTTTGGGACTTTCTGATACAGCCAGCTCTTCAAACAGCCGAGGCCACTGGAACGCCCTTTTCAATTAAGCAGAGTGAC	4
wt-63300-63420	3382	CTGTACGACAGCCCGCAACCCTGCTGACTGGTCCGCGACTTTGGCGGCTGGTGGCCAGCCGCGCTCCACAACCTCATACCCTGTGGGCCCTGGTGGAGAATAAAGAGC	4
wt-63420-63540	3383	ACCTATCTGAATAAATACACCAGGTTGCTCCAGGGCTGTGTCAGCAAAGCCATCCCTCGCAGCACCCTCAAGGTGACGGTGCCTCAGGAGGCTTTGTGGATCTGGACGCCGTGCTC	4
wt-63540-63660	3384	TCCGGCGCGCGGGGGTGGCGGCTGATGCTCTGTGGGGGCTGGCCCTGACGGCTGCCCCCGGATGCGCGCTATGTGCTGTGACTGACCTATGAGGAGCCGGGGCCGCTTT	8
wt-63660-63780	3385	ACGTTTTTCCAGTGTCCCGCGGACTGTAGATCATGAATATCTTAAGAATTTACTACTCACTCATCATGACCCTATGCTGTGGTGCAGCCCTACATATAGAGGAGC	4
wt-63780-63900	3386	TTCGGGGCGGTTGCCTGCTGGGCACTTAGTGTACTGACGTTGGAGGAGGCTGCTCAATTTACCGGTCGCTGAGTGCCTCAGGCTGCTGCCCCGGGGGAGTGGCGGTGCGCGGGGTGGCAGTGGAGGG	8
wt-63900-64020	3387	TTCGGGGCGGTTGCCTGCTGGGCACTTAGTGTACTGACGTTGGAGGAGGCTGCTCAATTTACCGGTCGCTGAGTGCCTCAGGCTGCTGCCCCGGGGGAGTGGCGGTGCGCGGGGTGGCAGTGGAGGG	4
wt-64020-64140	3387	TCTGACTGGGAGGTTACTCTAGACTTAAAGGAGGAAACAGGAGGAGGAGGGGGACAAGAGCACAAGGTTGTCAGTGACACCCACCACACAGCATGGCACGACGAGCTGATGTCG	4
wt-64140-64260	3388	AGCATGAGCTCCTCCAAATGATTGATGAGTTAAGGTCAGAGCCAACTAGACCCCCGAGGCTGATGTCCTGGCGGGGCGCTGCTCCACCGCTTAAGGCCGAGTCAATACACA	4

wt-64260-64380	3389	CAGTAGCCGAATATCTGGAGGTCTTCTGACAAATCTACGATGAGGAATCTCCAGATGCACCGGGATGAGCTGGAGACCCGAGTCTCTGCTTCGCGCAGAGCCCGGCTACGAGC	4
wt-64380-64500	3390	GCATCGTCTCCAGCGGCTACCTGTGCGGCCCTGCCTACTATGACACCTATCTGTATGTTGGGCGCAGCGGGAAGCAGGAGAGTGTGCAGCACTTTTACATGCGGTAGCCGGCTCTGTG	4
wt-64500-64620	3391	CCTCAACCACCTGCCTCTACGCGGTCTCAGGGCAGCCCTGCAGCGGGCCAGGCGGAGATTGAGAGTGACATGGAGGTGTTTGATTACTACTTTGAGCACCTAACCTCCAGACGGTGT	4
wt-64620-64740	3392	GCTGCTCCACGCCCTTTATGCGCTTTGCGGGGTGGAAACTCCACTCTGGCCAGCTGCATCCTCACCACCCCGACCTCAGCTCCGAGTGGGACGTGACCCAGGCCCTTATAGGCACC	4
wt-64740-64860	3393	TGGGGCGCTACCTCTTTACGACGAGCCGGGTGGGTGTAGGGGTGACGGGGCTGGCCAGGATGGAAACAATCATCAGCCTCCTGATGAGGATGATCAACAGCCACGTGGAGTACCACAAC	4
wt-64860-64980	3394	ATGGCTGCAAGAGCCGGTCACTGTGGCGGCTACATGGAGCCCTGGCACAGCCAGTTCATGATTTTGGAAACGAAGCTCCGGAGAACCCAGAGGTGCCCGGCATTTTACGG	4
wt-64980-65100	3395	GGCTCTTTGTCCCGAGCTCTTTCTTCAAGCTTTTAGGACACCTGGCTCGGACTGGTACCTGACCCCTCAAGGACCGCGGGACCTGGAGAGGCTCTACGGGGAGGAGTGTGAGC	4
wt-65100-65220	3396	GCGAGTACTATCGGCTGGTGACAGCGGGCAAGTTTTGTGGCGGGTCTCCATCAAGTCCCTGATGTTCTCTATCGTCAACTGCGCGTCAAGGCCGGCAGCCCTTATCCTTTTGAAGG	4
wt-65220-65340	3397	AGGCCGCAACGCCACTTTTGGCGGAGCTGCAGGGCAGGCCATGAACGCCGCCAACCTGTGCGCCGAGGTGCTGCAGCCCTCGAGGAAGTGTGGCCACTGCAATCTGGCCAACA	8
wt-65340-65460	3398	TCTGCCTCCCGCTGCCTGGTGAATGCCCTCTGGCGGTGCGGGCAGCAGCGGGCCGACACCGAGGGGATGAACCTCTGCTGGCCCTCCCTCGACTCTCAGTCAACCTACCTGGAGGG	8
wt-65460-65580	3399	GGCAGTCGGTGTGATGATCTCGCTAGCCCGCTCAGAGATGCCACCCAGTGTGCCACTTTGTTGGTGGCTCTCCACTCTCAGGGATCCCCACTTATGATCCAGGGATATGGCT	4
wt-65580-65700	3400	CCATGGCCCTCGGGTGCAGGGCTGGCCGATTTTGGGTGAGGAAGATGCCCGCGGGCCAGCAGCCTGAGTGTGCGGCTGCTCCCTCTGCTCTTAAACAAGGAAATATTCGAACATATGACTTTACGGCCC	4
wt-65700-65820	3401	TCTGCACCAGTAGTCTGATTGGACTTCACACCAGGAAGTTTTCCGGGTTTCAAACAGAGCAAGTATGCCGGGGGTGGTTTCACTGGCAGATTGGGCAGGAACAGACCTTTCTATT	4
wt-65820-65940	3402	CCAGGGAAATTTGGTCTGCGCTCTGAACGCATTGTGAGGGATGGGCTTTCAATTCACAGTTATCGCCCTGATGCCACCTCAGGCTGTGCCAGGTGACGGGCTGTTGCGAGCGCT	4
wt-65940-66060	3403	TCTACCCCTCTATGCAATGCGCTCCACCAAGGTCAACAACAAGGAGGAGGCCCTTAGGCCAAACCGGTCTTTTGGCGTCATGTGCGTCTGGATGACAGGGAAGCTTTGAATCTTGTC	4
wt-66060-66180	3404	GGGGCGGTCTCCTGCCTCCCGGAGGCTCTGCGGCAGCGCTACCTGCGTTTCAAACGCCCTTTGATTACAACAGGAGGACCTGATCAGATGTCCCGGGACAGGGCCCTTTGTGG	4
wt-66180-66300	3405	ACCAGAGCCAATCTCACAGCCTGTTTTGCGTGAGGAAGATGCCCGCGGGCCAGCAGCCTGAGTGTGCGGCTGCTCCCTCTGCTCTTAAACAAGGAAATATTCGAACATATGACTTTACGGCCC	4
wt-66300-66420	3406	GCATTGAGAAGGCCCGCATCTGGGGTGTGAGTGTAAAGGCCAGCGGGCTCTGTGCGTCCCGGGGAGGAACAAGAATGAGCGGAGTCCCGTGTGAGCAGATGCCCGCTCGTCCCATGG	8
wt-66420-66540	3407	AACCGGCGCAGGTTGCGGGCCGGTTGACATCATGAGCAAGGGCCAGGGGAGGACCAGGTGGTGGTGTGTCGCCGGGGATTGGAAGTGTGCTATAAGTACCGTCACTCTTCTCAG	4
wt-66540-66660	3408	AGGATGATCTGTTGGAGACTGACGTTTTACTGAACGAGCCTGTGAATCTTGCAATAAACGTTTATTGCCATGTCCAAGTGTGTACGTGCGTGTGATGAGGGCTTTGCCTGCCTAA	4
wt-66660-66780	3409	CGGTGCAAAACCACCGCAACCGCTGGTTCGCGGCTCACATTGTCTCACCAGGACTGCGGGTGTCTCAAGTACTCAATGAGAGGGACTTGGAGTTTACAAGTTCTCTTTACGTTCC	4
wt-66780-66900	3410	TGGCCATGGCCGAGAAGCTTGTGAACCTTGAACCTTGTGACACTGGTCCAGCCTCTCGAGAGCCAGACATGATCAGTACTACACCAGGAGGAGCCATGGAGAAGCTCCAGGGGAGA	4
wt-66900-67020	3411	CTTATGTAACATTTTAAACATGCTCTTTGATGGGACAGGGCGCGATGAACGCCCTACGACAGGGCCATCATGGCCGACGAGGCCCTGCAAGCCAAGATTTCTGGCTCCGTGACAAGG	4
wt-67020-67140	3412	TGGCGGCCCGCTCACCTGCCGAGAAGATTCTGTGTTCTGCTGATTGAAGGCATCTTCTTATTAGTCTCTTACAGCATAGCCCTGCTGCGGGTCCGGGGCTTAATGCCTGGCA	4
wt-67140-67260	3413	TCTGCTGCCAATAACTACATAAGTAGGGATGAGTGTCCACACCCGCGCTGCTCCCTGTTATACAATAGCATGACAGCCAAGGCTGACCGACCAAGGGCCACCTGGATCCAGGAGC	4
wt-67260-67380	3414	TGTTTCGCACTGCGGTGGAGGTAGAGACTGCCTTCATCGAGGCTCGTGGAGAGGGGTTACCTTGGTGGATGTGCGAGCCATAAAGCAGTTTCTGGAGGCCACGGCCGATCGCATCTGG	4
wt-67380-67500	3415	GTGACATTTGGTCAGGCTCCCTTGTATGGCACACCACCCCAAGGACTGCCCGCTCACTCATGACTAGCATCAAGCAAACCTAATTTCTTGGAGCAAGAGTTCGGATTACACCATGC	4
wt-67500-67620	3416	TGGTGTAGATGACCTTTGAGTCAGGGTGGCTTCTCGTTGCAAGAAGTGGGCACGCCAGCAAGGCTCAGGCGGCGTTAAGGTGACACTCAATCCGGATCTCTACGTCAACAGTATACTTCTGGG	4
wt-67620-67740	3417	CTCAGACTCTCCGCTTAAAGACCAAGGCCCTAGCCGCTCTGTCCAAGTGTATGACCATGCCAGACTCATCTCAAGGGAGGAGTGTGACAGTAAACCTTCTGTGTAAACTATGGAG	4
wt-67740-67860	3418	GCCCCGGCTGGCCGCGTGGCCAACGAGGCAGCCGCGGCTAATCAGCTTCGAGGCTCCCTGACGCTGTGGCCGAGTGGCAGAAATCACCAGAGCCAGAGGAGGCCCGGCCGCGC	8
wt-67860-67980	3419	TGTCATTTAGAAACCTTGCCTACGGGCGCACCTGTGCTCTGGGAAGGAGCTGTTGGCTCGGCTGTGGAGCAGGCTTCCCTGCAATTTTACAAGCGGCCACAAGGGGTTCCCGGCCCTG	4
wt-67980-68100	3420	AATTTGTTAAGCTCACTATGGAATATGATGATAAGGTGCAAGAGCCACACACTGCGCCCTGATGCCCTATATGCCCGGCCAGCAGGCTGAGGAACGAGCAGATGATTGGG	4
wt-68100-68220	3421	AGGTGCTGTTGATGCCCAAGCGGCTTCTCGTTGCAAGAAGTGGGCACGCCAGCAAGGCTCAGGCGGCGTTAAGGTGACACTCAATCCGGATCTCTACGTCAACAGTATACTTCTGGG	4
wt-68220-68340	3422	AGGCCTGCCTCACCTAGACTACAAGCCTCTGAGTGTGGGCCATACGAGGCCCTCACTGGCCCTGTGGCCAAAGGCTCAGGACGTGGGGGCGGTTGAGGCCACGTTGTCTGCTCGGTAG	4
wt-68340-68460	3423	CAGCGACTCGCTGGCGGCGCGCTTAGCCTCTGCCGATTCCGGCGTTAGCGTGCCAATCTTGAAGTTTTACAGGTCTGGCATATAGCTGGTGGCCGGCTGCTGACGTCAAGGG	4
wt-68460-68580	3424	GGGACTGCGCTTGGATCTTAGTGTATTTTAAACACGCCCTCCGAAGAGGCGGCCGCCAGTACGGCCTGTAGCCAGAAGATAAAAGTCCCGGGTCAACCACTGGGCACAGGAC	4
wt-68580-68700	3425	TCCAACAACGCCAGACATACGGTCCAGTCCATCTCTTACCCTCCGCCACCTCTAGGACCCCTACTTGGGAGAGTCCGGCAAGGCCAGAGACACCTCGCCTGCCATTCCAGCCACT	4
wt-68700-68820	3426	CCAGCAACACCGCACTGGAGAGCCCTTGGCTGTTGAGCTCGCGAGGAAAAGACATCGTGGAGGCCAGGCAGAAAGCAGAAAGCACCCCAAGAAAGTGAAGCAGGCTTTAAACCCCTCA	4
wt-68820-68940	3427	TTTAAACCATGTTCTCGTGAAGCAGCACCTGTCCCTGGGGGCTGTGCTCTGTCTCGCCCTCTGGCCAGCACCCCTTCAATTTGGTGTCTTGTCTTGGCAACCTGCTCTCTG	4
wt-68940-69060	3428	GAGATCTTCTACCGTGGCAGACACGCTGTACAGGCTTGGATCCCGACGGCATGCCTAATGGCCGCTCTGGACGCTGTTACCCGCCAAGCAGCGGTGAGGGCCGCTACTCCAGCC	4
wt-69060-69180	3429	ATCATGCTGAATATGCCAGCGCCTGATCTTCTCCCTCAGAGTCTACTCGACCAAGCAGTGGGTTTCTGCCCTGTCTTCTTCTGGCCAAACCTGCCTCTTATGCCTGTGGCCC	4
wt-69180-69300	3430	CGGCTGGCCATCGAGATTGTTACATCTGCCCGGCTATACACAAAGGTTCTTGAACCTGGGTTGCTCTTGGCTGACCATCTTGGCCTGTCCGTGGTCTCCAGGGCCCTGGAGGTG	4
wt-69300-69420	3431	TGGGCTGCTTCAATGCTCCATTTTTCATCTTCTGGCTTTGGGCTCTGGAAGCCTGGCCGGTGTCTGGCGTAAACAGATTACACCTCGGGTCTCGAGCGAAGCAGCATTTTCTGC	4
wt-69420-69540	3432	GCCCCGGGAGATCATTGGTGGCATCCCTGAAGGAGACCCCTCAATAAATGCCCGTGGGATCTGCTGGCCATCTGCTCTGACCCTTCTGTCTGTGATGATTGTTGATGTTG	4
wt-69540-69660	3433	CACGCAGAGGTGTTCTTGGACTCTAGATACCTGCCCTCTTCTCTGTGGGGCAGTGGCCTCCGGGGGCTGACTGGCCATTCCAGCATCATTGCATGTGATGTTGATGTTGATGTTG	4
wt-69660-69780	3434	TGCACCTGACATCTGTTGGTATATTTCTCCATGAACACCTTGGACCCCTGGCAAGACCGTGTCTTTATCTCAATCTTGTCTATTACTTTAGCGGGGTAGCGGCCCTGAGCGCA	4
wt-69780-69900	3435	GCTATGCGCTACAAGCTTAAAGAAAGTTGTAACCGACCCCTGGTCCATCTCCGTGGTATACATGCTGCTTTGTCTTTACTTTTGTGAATATCTGTTGGTGGATTCATTAATCC	4
wt-69900-70020	3436	TAACGACCGGAGTCTGTCTTGTGTTCTGGGGACTTGAAGTGTGCTTCTTCTTATTACATTTGGGCTAACCGGAGAAATGAACCCAGGGTGGCAGTGGATGGGCTCATT	4
wt-70020-70140	3437	ATGGGCAAAACTCACAGACATGTTGGGGAGTTAGCATTGGCGTGGGAAACAGACTCTGGCAGTTATAACCGCACAGCTAACAGGACATGTTGGGGAGTTGGCATTGGCGTACAG	4
wt-70140-70260	3438	GAGACACGGCTGTGCAAGTATCACCGTACCATGAGTGCATGTGTGCCAGTGCCTAATCACCGTCTCTTCTTGTGCTCTCTCAATGTTCCAGAAGTGGCCACAGGGGAGGTG	4
wt-70260-70380	3439	GCTGAATTAGGGCTTTTCCCTCATTCCCCATGAGACCCACGTGGCAGGCTAGGGGCTACATTCGCTCCACGTTTCCCTTGGCTGAGGCATCCGATGACTGAATTTTCGAGT	4

wt-70380-70500	3440	CTCTTTTCCCTCTCCCTTGTATTCCCATAAGAATTACAGTGGAGTTACACAGGTGGAGATTACAGTTAACCAATTTATTGATTTAATCCAGGAACAAAAACAGTCTAGTGACCCAGTG	4
wt-70500-70620	3441	CCCGGAGAGAGAATGGCCCTGACAAGTCGCTGCATGATGCACTTCGGCAGTCACTGTTGTAGTCTCCACGCCCTCTGTCAAAAAGGAGACTTAGCGTGCCAGGGTTGTAATTTCTTGATG	4
wt-70620-70740	3442	TAGTGGCCAGGAATCAACTTCATCGTGTCTCCGTGCAGTTGGCGTAATGATAGGCTGGGGCTACTGCCGCATATGCTGCCAAGAGACAGAGGGGCTGCTTCACATATGAGCTGCTC	4
wt-70740-70860	3443	AGGGTCTCCACCACCTGTTTTGACGGGGCCTGGACAGAGGTATGTAGAAGAGTGTCTTCAAAAGTTGTAGTCTCCGCTTAGGAAGGAAGCAGGGTGCCAGCTCTTTGAGCTTGGTC	4
wt-70860-70980	3444	AGGATCACCTTGCTAAGACTCATGGCCAGGCCAGGAGGATGTCTCCGGGGAGCTAGGGGCAGGTCCGCTGGGTAGGTATCTCCTGGAGCCAAAAAGATGGTCTCTTAGCATGGCC	4
wt-70980-71100	3445	ACCAGGTGCAGAGCCCGCTTCTGGATCGCCTGCATCGCTGCATCCAGCCATGTGCTCTTTGGTTGACTGTGGTAAAACTCACGTAGTCTTTGTAGCTCCTGGCAGCTCGTGT	4
wt-71100-71220	3446	CTGGGTGCACTTTCTGCCAGGCTCCAATCTCGATCTGGATGGCGACCCGACCCAGTCCACTGTGAGAGTTTCGCTGCCCAGATAGGGTCCAGATCGAGTCTGTTGGTGTGAGCTGAGCCAGGCTGGGCAAGGTG	4
wt-71220-71340	3447	ACAAATGTAATCTTGAGACAGGCTTAACAGACTCATGTCAAACCCAGGTTTGTTCGGCAGGGGCTCTGGCTGCGTTCCTTGCTCTCGCTGCTTCCTTGCTCTCCGGCCCTCGA	4
wt-71340-71460	3448	GATTCTGACCCGGGACCTCGTGTCTGTGCTTCCGGGAGCTCTGGAGACCTCGTGCTTAGGCACCCCTGGGGGCCCTTGGGGCTCTGGCGCTCTGTCTCCGGGGGAGAGTGT	8
wt-71460-71580	3449	CGGCGCTTCCATAACTTCATCGGTGCAGCCATGGACCTCCTCCGCTGCGCTTTTGTGGCTCTGGTGTAAAGAGGAGTTGCCAGTCTCCTCTCTGCTCCCTGTCACAGGGGT	4
wt-71580-71700	3450	GAGCGATGCAATGTGACTGTCTGTCTGTAGTTCCACTTCTTTCTGGAAATCACAAAATGACCCAGGTAGGGGTTATGACCACGCTGGAGGGCTGACAGGTATGGCTGGGCGGGA	4
wt-71700-71820	3451	GTTGGATCTTCATCCTCCTCCTCCTGAGGATGAAATCTCCTCCTGTGGAGTGTCTTCGCTGCCATAGGCTGTTGAGGAGGCTCTGTTGGTGTGAGACTTCGAGCTTC	4
wt-71820-71940	3452	AGAATGTGGCTCTGCGAGAGGGGAGACAAAAGGTGGAGACTGCCTTAGCACCTGTCTCAGGCACCGGATGCCCCGGCTCCACGGCCCCGGCCACTGGCCGTTAGCTTTTACC	4
wt-71940-72060	3453	TGCGGATCCTCGTTGGAGAAATGCTGCTAGTTCGGGAGAGTCTCTGAGAAGAACCATCTTGCTGTCTTACGACGGCTAGCTGGGATGTAGTGTGCTTGTAGTGGCCAGCC	4
wt-72060-72180	3454	TATTTATGATTTCTGGAGCCGGCACGCTGATGGAGAAATGGCGCTCGGTTGATTGGCCCCACAGCGACCGCCGAAGCACTGACTCATGAAGGTGACCGTGATGGCCTGTGATGTGTAGT	4
wt-72180-72300	3455	AGAGTACCAAGAACCCCTCACATTTCTGGAGCTGGCCCTGTGGGTATGCTCAGGCACGCAAGTTCCTGCCCGGGCATGGCACACCTGAACTAAGTTTGGCCGGTTTGCTCAAACG	4
wt-72300-72420	3456	TGACATGGAGAAACTGGGGAAATTTGCTCTCGCACAGCTGTTCCAGGGTGTCTATGAGCAGGGCCAGATGCAGGAGCTGACCAGCCGACGAGATCCAGGCCAGATGTCCCTTA	4
wt-72420-72540	3457	TCATGGCGCAGACATTCTCCAGGTTGGGGGACGGTCTCGCGGCTCTGATTAGATAGTCACGCCCATCATCCGGATGTTGGTAGCAGAAGGTTTGGGGGCCGGACGCCACGT	4
wt-72540-72660	3458	GCAGTGAGTGATGTAAAGGTTTGAATGTTGAGGCACTTAAACATAGCTGTCTTCTCTCCTCCGGATGACAGACAAAGAGCCGACAGTCCGGCTAAGACCACCGCCCTGT	4
wt-72660-72780	3459	CCACCTTGATGATGACGGCAGCCGATGCACCCGCCGGGCTGATACACGCCCTGTCAAAAAGCGGGGCCCAATCTCTTGTATTTGTGACGCATGCCGGCAGGAGCCGTAGGC	4
wt-72780-72900	3460	CCATGAGCTTCTGCAGCACAGACAAACCCTTGACTGCGCTGTCCCAACAATAGCATGGCCTTAGGTAGGGGGGTGATGACGCGAAAGCCAGTTTCCCGTGATATGCAAAAAG	4
wt-72900-73020	3461	GGAGCATCTTCATATTATCCGGTGTCGGGTTGAGCAAGCTGATTTGAAAATAAGACTGGTAGGGCCCTGGACACTGGACCAGGGCCGATGAGCCAGCTACCCACCGCA	4
wt-73020-73140	3462	CGGTCGGGCACAGGTATAGATTTCTCCAGCGACCCAGGGGGCCCTTGATCTTTAGATCCAGTCCAAGACAGGTTGCAGACCGGAAGCCGGGATTAAGATTTCATGCCGGGAGA	4
wt-73140-73260	3463	CAAAGAGCTGCTCGCTCAGGCTGTTCTGTGAATAGTACACTGGGTTGAGGAGGGCCCTGGTGCAGACGTTCTGGGAGCGGAGTTGGTGGGGTGGAGACGACTCCGCCAGT	4
wt-73260-73380	3464	GGGATGAGAAGGGGTGAGCGGCTGTCAATAAAGTAGTGCCTGTCTCGCAAAATGGCAGAGGAAGACCGGTAGCCGCTGCAACCTTTCGAAGGAGCGTGGGTGGGAGGAATGTCTCTGG	4
wt-73380-73500	3465	GATTCCACTGGCCCGGCAGGTGGCCCTGGCCGGCCAAGCATAGAAAACCTTGAAGCGTGGGGGGTATGTGGGACCCCTCATCCGCTGCCAGCGGCGGAGCTCCACCAGCTCCCGGGCCA	8
wt-73500-73620	3466	CGTCCACTGAGCCCGGCCAGGCCCATGATCGCTATCGGGTGCGGCTGCCAGTGTATGGGGCCGGGGCTCCATGCCGATTTTTCAGTCTGGACACGACACATCACTGACCCA	8
wt-73620-73740	3467	GTAAGCTCCCGGGTGAAGTAGTGCATGTGCTCCGCAAGCCCTGTCCAGGAGCGAGGGGACCCCGCCGCGATAGTGTAGTGGATAGACGGTCCGCGGTGAGCCGCGCAGGAAG	4
wt-73740-73860	3468	AGTATCGCTTAAAGGTTCCCTCGTGAAGCACTGTGCGTGGGCCAAATAGACGTAGCGCACGAGATCGGCCAGGCCAGGGGAAAGGCCCGCCCTGTAGGCGTCTATCGTCTTGCACAG	4
wt-73860-73980	3469	CGCGGATCTCTCGGAGTCCCGCGCAGTTTCTCGTGCAAAAGTGGGCAAAAGCCTCGGTCTGCTCCGCCATGCCGAGGAGCAAAGACTCCCCAGCTCGGCCAGGAGCTGACGG	8
wt-73980-74100	3470	CGGCCAGGCTGACCCAGCTCGGAAGTAAATAGTCCGTGAGGTGCGCCAGGGTCTAATCGTACAAGGAATGCCCAAAAATAGTAAAGCAGCCGTACTAGCACGAACTGGGCCTCGT	4
wt-74100-74220	3471	GGGAGCAAAGGTGCTAATGAACCACTGGCCGAGATGTTAACCGGTAGATGCGGCGCAGACAGCCACGATCTGGGACGACGACGCCACCGCGCTCGCATCCCCCTGTGGCT	4
wt-74220-74340	3472	GTTTTTAGCGCTCAGTGTGAGCAGTTCCACAGGGGGCTGAGCGAGCGCAGGGCCCGCCCGCGGATAGTGTAGTGGATAGACGGTCCGCGGTGAGCCGGCTGAGCCGCGCAGGAAG	8
wt-74340-74460	3473	GGAAGGCCTCCTCCGCGGAGGTGACGCGTCAGAACCAGGCGCCAGCGGCTCTGTGAGGTGACCGCTTCTTGGGCAAGTGAAGTGCAGTTCACAGAGAGAACCAGCCAGTGGTGGA	8
wt-74460-74580	3474	GGGGCAGGCGTGTGGCACAAAACAAAGCCGGAAGCCCTGTCAGGCGCGGAGAGGATGGCATCGAGGATGGCTCCGCAATGTCAGTGTGGAGCCACAAGGGCCTTGATACGA	4
wt-74580-74700	3475	CGGGGCGGACATTTAAGACCAGGAGGCCCAACGCCGGGTAAACAGAACATGATGGCTTCTATCTCCAGACTGGTCTGTGCGGGCTGCTGGCTTTTGGCCGGCCAGGAATAG	4
wt-74700-74820	3476	ATACAGCCAGTCCCTGAGGAGCCGAGACTTTGAGTGCACCAGCCCTGGCGAGCCGAGATAGATCGGCGCTGCCCTGGTGTGCAGGTGGGAGATTTGTAAGAAATGAGCAGAC	4
wt-74820-74940	3477	GATGGGCTCACTGAGACAGGTTTTATTGCTCGCTGTTCAAGCCAATAGCATCACGGATCACCTGAAAGCGCTTTCAGCGGCTCCGCTGAGAGCTGTCTGGGTTGGTGGAGGCCCA	4
wt-74940-75060	3478	GGTGCCAAAGCTTGGAGCCGTCGCTCAGTCTGGAATACCATGATCTCTGCTGTGAGGTCAGCGCTTCTTGGGCAAGTGAAGTGCAGTTCACAGAGAGAACCAGCCAGTGGTGGGA	4
wt-75060-75180	3479	CAGCCTGGCCCTGATGGAGATGGAGAAGGTGGCCAGGCGCTCAAGATGGACGAGACCGGTGCCCTGGGCGCAAGAGATCTCGCCGTTGTCTCATCGGTGACCAGCCCTCAGCCTCGGC	8
wt-75180-75300	3480	CCCTTTCATAACTCCGCTTTGAGCCCGAGGTGCCACCCCGCTCTTGCACCGCTCCCGTGTGGGCAAGGAGCTCTGGCCACCGGAGCTCTGGCCACCGAGCTCGGTTAAGTACGAACCCAGA	8
wt-75300-75420	3481	CTCCACACAAATAAACAATTTATTGGTAAAAAAGGGATAGAAGGTGTCATTGACCCAGGATCAAAACCCCTCCCTGCTCCCTCGAGCGCTCGCTCAGCCACTATCACCCA	4
wt-75420-75540	3482	TGGCCAGCTCGCACCTCCTCGAAGGTGCAGCTGGCCACCTAAAGAGAGATCTGGGGCCAAAGACCCCGCGTCACTGTGGGGCTTAGAAGGAGGTGAGGTGGTGGTTGTAAGT	4
wt-75540-75660	3483	AAACAAGCTGACAGAAAGCGCCGACTTGTTAAGGAACAGGTCTGGTCACTAAAGTTGGTCAGGCTGACGTCCACCCACCCGCGCCACTGCAGGGCTTCACTAGAATACCTGCA	4
wt-75660-75780	3484	TGGCCAGGCCGACCTGCCAAAGATTGCGCCCTGTGGTGGAGATAGAAGGGGGGGCAGGTGAGTGTCTGAGACGCTGATGGGGGAAGAGGGCCAGTCTTTGGCAAGAGA	4
wt-75780-75900	3485	CGTCCAGGCCACGTCCTCGGGGTAAGTGGGGTGGTTGATGGGACCTTGTCTCCCTCATCTGGGGGGTGGCATACTGAAGGCAGCCAGTGGATTTGAGCTCCGATGGACGACGG	4
wt-75900-76020	3486	TGGAGTGTAGCGCCGCTGATTCGGAGGATAGCCGGGTTCCCGCTGTAGCCGGATCGATGTCCAAATGAGACGTGACCCGACGGGAGGTGCTCCACAGCATGAGCCCCA	4
wt-76020-76140	3487	GACCTCGGGTGGCGGGCATAGAGCCCTAGCCTGACAGTTGTGTCTTATCGGGGCGACGAGTGGGTCTTTGTACCAAGGTGAGCCGCTACACTAGCTGTGAGGCAACA	4
wt-76140-76260	3488	CGTGTGATTTGGAAGGCTAGCGTATGTGTGACAGCCCTCCATGGTGTGATGATCTAACACAGAGGACGGCGCGCTATATAAAGAGCCCAAGACCCGCTCTTTACTGCAAAAT	4
wt-76260-76380	3489	GGGGAAGTCTAAGAAAGCCGTTGCAAAAGGCTGTGCCACTGCTTCTCGCCGCCACTGGCTTGTACCGGGGTGCTGCGGCCGGCGCTTCCAGTCCACAAACCGCGCGCGGC	8
wt-76380-76500	3490	TCCCTGACTGAAGCCAGGACAGTCTACTCCTACACATGTAATGCGGACACATCTCGCCTCTTTGACCAGCTTGGCTCCATCTGGGCATCTGACGCTGTCTTAGTCAATAT	4

wt-76500-76620	3491	AGCCTCAGCCATCTACCTGATGTACGCTGCTTTAAACAAGTTTGTGAACACGCTGCTGACGGATTAGATGGGGATATTTAAAGGGGGCAGCAATCTCGGCTGTTTGACTCTTCTCTG	4
wt-76620-76740	3492	TCGTTAAACCAATAGCATGTGAGCTCCACGCAAAAGTCAGATTGCCTTCTGTTAAGGCTGTTGACATGAGCATGGAAGACATGGCCGCCCGCCTGGCTCGCTGGAGTCTGAAATAAGGC	4
wt-76740-76860	3493	TCTGAAGCAACAGGTCCTCAGAGGGGGTGCCTGTGCCTCTGCTACCTCTGTTCTTCTGCTCCAGTGCCTCCGCTGAGCCGCTTACAGCTCGACAGCGAGAGGTAATGATTACGCAGGC	4
wt-76860-76980	3494	CACGGCCGTTTGGCGTCTCAGGCTATGAAGAGATTGAAGACAAGGTTCCGAAATCTGTTGACGGTGAACCTACCCGCAATGAAATGGAAATATATTGCAAAATCTGACCCCTCCGCAT	4
wt-76980-77100	3495	TCAAGTATCTATGTTGGGTGCAAAAGGCCAACCCAGCCCTGGTGAGGGAAACACGACCACGAGAATCAAACGACCCCAACGCCACCCGACGTGCCCGCTCCCGCTCCCGGGGACGTGAAGC	4
wt-77100-77220	3496	AAAGAAATGCAAAATTTCTGATTAATAAAATTTTATTGACTTTATACATAGGCTCTCGCGCTCATCATATGGTGGGTGGTGTAGGTATGGGATGTAGACAAGTTACGCCTAAAGGCAGC	4
wt-77220-77340	3497	TCCGCCATGACCAGCAGCAGAAAGGGTCAGCACAGCCAGAGGCCACTGCTGAGTACATGGAAGAGTTGAACITGAAGTTATGTTATGTTGGCTGGGTAACAGCACTGGTGCAGGTTGGTGG	4
wt-77340-77460	3498	GCTGTGGTAACCGGTGGGCTCGTAAAGTCCAGCGGGGCCAGTTTGTAGAAAGTGTGGGAGGTAGATAGGTGGTGCATTGTATCTCGGTCTTGGCGTAGTTGAATCACCGCCGTAA	4
wt-77460-77580	3499	TCTGTGGTGGGCTCTGACTTGTCCGGGCTCCATGCTCTGTGGTGTGCTTTCCACCGGTGGTAGAATTTGGCCTTCCACCTGTTGAGGTGACCGTGGGAACCCCGCTTTTGGCCACTG	4
wt-77580-77700	3500	GGGCCCTGGGGCCACGTTGCATTTTGGGGGGCGTGCCTTTGGTGACATTAACCTCCCCGGTTTTGGATGTGGAACGTTTCCAGGGCCTGACGCTTGGCTGGTGGTGCCTGGCCGG	4
wt-77700-77820	3501	GGTGTGCGCAACTGGTGGACACATGATGTGTGATAGAGGCTGGTGCACCTGTGTATTTTACCACCTGTGGGTGAGCGGAGGTTAGTAAAGGCATATGTGACGTTGAATTTG	4
wt-77820-77940	3502	TCACCTGGTGAGGGGCTGAGTGTCTCGGGTTTGAACCTGGTCTGAGTACATGGAAGAGTTGAACITGAAGTTATGTTATGTTGGCTGGGTAACAGCACTGGTGCAGGTTGGTGG	4
wt-77940-78060	3503	TGGCTGGTAACACTGCGGTGGGACTTGTCTCTCTAAGGTGTGGTGGTGGCATTTCCTGCTGGACTTGTCTCCACAGTAGGGCCGGTGGCAATTTGGGTTGGGGTAGTCACTGCT	4
wt-78060-78180	3504	GAGGTGGGCTTGTTTTCCCAAGTGGGGCTGGTGGCATTGGGGTTGGGGTAGTCACTGCTGAGGTGGGGCTGTTTTTCCCAAGTGGGGCTGGTGGCATTGGGGTTGGGGTAGTC	4
wt-78180-78300	3505	ACTGCTGAGGTAGGACTTGTTTTCCCAAGTGGGGCTGGTGGCATTGGGGTTGGGGTAGTCACTGCTGGGTGGGGCTGGTGGCATTGGGGTTGGGGTAGTCACTGCTGGGTGGGG	4
wt-78300-78420	3506	CTGGTGGCATTGGGGTTGGGGTAGTCACTGGTGGGTTGGAGCTGGTGCATGCTGGGGGCCCTTACTTCTGTGCCGTTGCCATGGAGATGGACTGGTGTCAACCGGTGATGCGCTGAC	4
wt-78420-78540	3507	GTTGTGCCGGCTGGTGTGGGCTGGTGCATCCCGGGTGCATACAGTGGGCTGTGCTTGCAGGTGCGGTGAGGTTGGTAGGCACGTGAGTAGAGCTGGGTAGACCTGTCTGTGATTG	4
wt-78540-78660	3508	GGATCAGCAAATCCAGTTGATTCAAGGTAGGGGAGGTGGTGGTGTCTCGGGTGCCTTGGAGAATAAACCTTGGGGTTGTTGGTGGCATTGGTAGCCGTTCTGTGATAATGAGT	4
wt-78660-78780	3509	GTCCTGGGGCCGTGCCAAGCCGAGACAGTAATGTCAAATGTCGGATTGCTCGCAAATGCACCAGAAATATTTCCACACCCGAAGGTGCCCGGAGGTGAGAGTCCATTTGCACCTTA	4
wt-78780-78900	3510	AAGTCAGTTTCAGTGTTTGGCCAGGCCCAAAGGCAGTCACTGTAACATTTGGCGAGTTTGCCTCCTCAGAAAGTACCATTGGCAGTGAATAGGTAGCATTGTACCCACATATGTG	4
wt-78900-79020	3511	ATGCTGTGGTGTGTGCGGATGCTCTGTGAAGCTGGAATCTCATCAGAGAACAATGTTGGACTGAAATCGAGTAATCTCCCCCGCTCGCCTTCGGTCCATTCCAGAGTAAACACG	4
wt-79020-79140	3512	TACAGGTAAGTGTATTGCCAAGAAATCGTGCATCCCGGGTGCATGAGAGGCTGTATGATACCTGTACCAGGTATTGGGGTGGCCAGGGGAGTGTGATGTCAGAGTTCGG	4
wt-79140-79260	3513	CCGCTGGGAACATGGCTCTCGTATCCACTGCAGGTGATGTTAAATTTGTTGCTCCGGGAGAACTTGTGAAATTTCCGCACTCCCTATAATACACTCAATATCTATCTCATTACCGAGC	4
wt-79260-79380	3514	ATTTCTGTTTTACGCTGAAATTCGAGTCTTGAGCTGACGTTGGCAAATTAAGGGTAGCGTGACATCCAGCCCTGTGCCCTCACTACTGCCGTTATATTGGTAGAATTACAGTTATCC	4
wt-79380-79500	3515	CACITTTATGATGGCACTGTTTCTGTATCAGGTACACGGGTTTTGCATTTCTGCATGGTGGCACCACATGGTTCCAAACACATCTTGAAGGTAGACATCTACAGATTCCAGGCTTACT	4
wt-79500-79620	3516	TGTTGCTCCTCCGGTGGTGCAGTTAATGGAAGCTTCTTAGACCCGATAGTTAGAGCCAATTCCTGCAACCAAGGAGCTCCAGTAGAAAGAGATTGGTGGCATTCTGAGCCACCA	4
wt-79620-79740	3517	AATGCACCTCGAGTTGGTAGACGCTTCGTATGGGGTGTGAGTGGCCAAAGTCAAGATCAAGTTGATGCTTTTCCCGCCGACATCGAAATGATAGTTACATTGACATCTGCCGTG	4
wt-79740-79860	3518	CAAAACATTGCATGTGGGGTAAATCGGAAATTCGGGAATCTCAACATTTGAAAAAACCCAGGATCTTCCACCGTGAGATGGATGAGTCAAGGCTCGGATGGTGTACTGACACACAAGCCGTC	4
wt-79860-79980	3519	TCCATTGTCTCGCCACCGATTTCTAGGCAGCATCCTCTTAATAGGTACAAGGGGGTGCAGTTGGTGGTGGTGCACACTTTGTTGCAGACAAAATGGACAAGGACAGGCCGGTCCCCC	4
wt-79980-80100	3520	GGCCCTGGATGACAACATGGAAGAAGAAAGTCCCATCTACCTCGTTGTGCAGGAACAGGTATCGCGGGAGATTGGGAAAATGCTCCTCATAGAGTTATCAGATAGCAGCTCAGAAAAGGA	4
wt-80100-80220	3521	AGCAGAAGATGCCACCTGGAGCCGGCCAGAAGGGTACGAAGAGAAGCGGGTGCATGATGCGCGTGGGTGAGTCCAGCAGCAGCCATGCTCCACCCAGCCGGATCTCCCTGG	4
wt-80220-80340	3522	GCGAGAAGCATTCTCCGAGGTTTCCACTAGATCTAAGAACACTTCTCAAGCGATTGGAGCCGGCTACGGTGAACATCCATATGGCTAAGTGTGATGTGTTTTTACCATG	4
wt-80340-80460	3523	ACACAACAACAAGGTAAGTAATTTGTTGCCGTTGGTTTCAAGCGATCGACACACGAGCCATAGACCAGTTTTCCGATCCAGATTTCAAATACCGAGATGTACATAATGATGCCATGG	4
wt-80460-80580	3524	CCATTGACAGGCCATTAGAGATCGTCGGAGAAATCCAGCTTCTGATAGATCAGGCCAAATGGAGACTGCAAACCTGCGCCGGGATGGCCTATGGGTTACCAGGCATACAGCAGCT	4
wt-80580-80700	3525	GGATGTACAGCTACACCGATACACAGCAGCTCCACATTCGTACATCTCCAGGCGACACTTGGTGCACAGGTGGCCGTAGGTGTCAGCTGACCTTTCCGCCGGCACCCTTAAGCTGC	4
wt-80700-80820	3526	CGCGATGTACCCCGGGATCGCCAGTGGTGTATGTTTCCAGAGCTCCGTGGGTAACATTTGACAGAGCTGTAATCCCGCTACAGATTTTTCTTGTACTATATGCTATACACAGGAGCC	4
wt-80820-80940	3527	TCACGAAAATCTGGGAGGAAGTTTAAACCTGACCAGCGTGTTCATTTATGGAATTCCTAGGATTTTGCAGAGAACCGATTTGCTCCTATATCAAGAGCTTTGTCAGCGATGCCCTGG	4
wt-80940-81060	3528	GCACCATAGTATCCAAACACCGTGGATCGATGACAATCCTAGCACGGAGACGGCACAGGCTTGGAAATGCCCGCTTCTCCGGGGTTCGTCGATGGGATAGACTTCTTAGAACTGAAG	4
wt-81060-81180	3529	GGAAACATGTCGAAGGTGCTACCGGTGAAACGCGAGAAGAAAGTGAAGACACGGAGAGCGATGGAGATGATGAAGATCTTCTTGTATAGTGTCCAGAGGTGGACCTAAGGTCAAACGAC	4
wt-81180-81300	3530	CCCTATATTTATAAGAGCTCTGCACAGGTTGCTGCTGATGAGAGCGGGCAAAACGAACAGAGGCAAGGAGGTAAGTGGAAAAGGCCCGTGGGAGCACTTATGGCACACCTAGGCCGC	4
wt-81300-81420	3531	CTGTTCCGAAACCAAGACCAAGGTCACCAAAAGCGAGAGACGCTACCACTGACGGGTCCGGCGAAGTCCAGAAACCCCAACCATCACCTAGCAGCTCAGGGAATGGCATAACCCAT	4
wt-81420-81540	3532	TACATGAACAACAGGCATGGCCCGGTGTCGGTGTGACAGGCCCCACCTACGCCCTTCCCGCTGATCTCCAGGGGATCAACTCCCAGGTGTTTTAGCGACGGGGAGTGGCGTGTG	4
wt-81540-81660	3533	CACCAGTACCAGCCCGGCTGGGCTATTGTCGGGCTGGGAGCCATCCCTGACACAGGCTGGGGGAGGCTTTGACCCCTGTAGACCAACAACATGCCAGTGAAGCCGTCCTCG	8
wt-81660-81780	3534	TCCCAGCAGTGGCACTTGGAGCAGCAGTTTACCCCAAGCCAGTTCGTCGGCACCTCCTAAGATTGCTATGACAGGGCCCCGGGAAACTTCTGGCATTAGACGCGCGGGAGCGTTGGA	4
wt-81780-81900	3535	GGCCGCACCTTGGAGCCAAATCCACCCGTTCTCCAGTCAAGTGTCCGTGCGTGACCGTCTGGCTGTTTGCCTGCTGAGGCACAGGTCAAACAGGCTAGTGTGAGGTGCAGCCCC	4
wt-81900-82020	3536	CCAGTTGACCAAGTATCCCTCAGCAACCAATGGAGGGGGCGTTGGTACCAGAGCAGAGATGTTCCCTGGTGCCTTACGCCAGGTTGCTGATGTGTCGGGACCTGGGGTAC	4
wt-82020-82140	3537	CGGCGATGACGACAGTACTTGTACCTCCCCTTAATTCAAACCATTAGCCAGCCGGGGACCCCGTGGCCCGCTTAGGGGCTAGTATGGGCCGCTGACCTCCGGTACCAGCAACACAGCCAC	4
wt-82140-82260	3538	AGTATTTGACATCCCTTAACTGAACCAATTAACAGGGGGCATCCGCGCCGCTTTCTCCCTGACCAACCGTATGGAGGGCCGTTGGTACCTGACAGTGGATGTTCCAGGTCGCC	4
wt-82260-82380	3539	CCCTGAGCCAGAGTGTAGGCCAAGGGTAGCGCAGTCAACAAATTTTGAACCTCCCTTAACTCAACCAATTAACCATGGGGCACCAGCCCATTTCCCTCCATCAGCCCAATGGAGG	4
wt-82380-82500	3540	GGCGTGGTACCCGAGCAGTGGATGTTCAAGGTGCCCCCTAGCCAAAGGCACTGACGTGGTCAACATCAGCTGGATGCTTTGGGGTATACACTCCATGGTCTTAACCATCCCGGG	4
wt-82500-82620	3541	TCCCGTGTCTCCTGCCGTTAACCAATATCATCTCAGCCAGGCTGCCCTTTGGGTTACCTATTGATGAGGATGAGAGTGCCGAGGGGTCGATACCTCCGAGCCGTGTGAAGCTCTTGATT	4

wt-82620-82740	3542	TGTCAATCCATGGCAGGCCTGCCCTCAGGCCCCGAGTGCCCTGTTCAGAGGAGGGTGGCCAGGATGCCACCAGAGTCTTATTGTCATTCATGGCAGGCCCGCCCTCGGACCC	4
wt-82740-82860	3543	CCGAGTGGCCTGTCAAGGGGAAGGTGCCAAATGTACAGGCCCTGAAACTAGAAAGGTGGTGGTGTGAGCCTGTTTGCATGTGTACAGGATGACGAGTTCCGGATCTACAAGATC	4
wt-82860-82980	3544	CTCCAGATGAGGCCTAAGCAAAGGTGTAGAAGTGTGTCCCTCCATTCCACCCACTGATAATACGCCCGACAATAAAGTTGATGATATTGAATCCACACCTGCTTGTTGTGATTT	4
wt-82980-83100	3545	TATTTCAATTCATGAGAGACCTCGCATATTTGCAGAAAGGGTCACTGAAACATCTTATCTTAAACAGTTACACCTGAATAATGAAGAAGCGTGGCTCAGCAGAGCACAAGGAC	4
wt-83100-83220	3546	GATGCCGGGGGGGCATCTGGCTGGCAGGACCACCAGATTAGGAGATCAAGGTAAATGTGACACAGGTGGGATGTAGCCATTTACACCTGAGATTGGCCCCTTTGAACCTCTCTCGCGCC	4
wt-83220-83340	3547	AGTGAGGATGATCTCAATCTGGCAGCTGGAAGAGAAATTTAGATCCCGCTGCAAGAGAGGAAACCTCATGAGCAGGAGACAAATGGTGGCAGATCCCTTGGATGTCACACT	4
wt-83340-83460	3548	CGCCACCTAGATTTGTGGATGTGAACCCAACCCAGGCTCCAGTGTCCAACACTGCCAGCAGGTCTTATGATTCCATGTTGGTAAAGAGGCCTAGAACAATTTCCAGATGTTCCGCTTG	4
wt-83460-83580	3549	ATTTTTGGCCAGTCTTAATTGATGTCATTTGGTTCAGCAATCGGACCTCGGCCCTTAGGCAGTTTATTCCTTGAGCAAAACCTGAACATCGAAGAAATTTATATGGATGTGCATGACC	4
wt-83580-83700	3550	GTGCGTCACAGATGTCAGGCCATCAGAAAAAACCAATACCAATTGTAAGCAGAGGCGTTGGAAGCTCCTGTCATCTTGACGATCCTGGCGTATGGGTACCGCACGACATAACCTCAAA	4
wt-83700-83820	3551	GTAACAGTTTTGAGTCAGGGGGGACAATGTCACCCGGTCTTTGTACTGTCTACGCTAGGATGTGATGAGGGACCGGGCATGCAACAACCTACAGTGTGCGCATTGTACAGATACCA	4
wt-83820-83940	3552	CGAATATCAGACAAAAACCAAGATCGAAACAGCCTCTCTGATGCCAGTCTGTCTAGTCACTTTGCGCAGAAAGATATACTTTGTTCTTGTGATTTAGTATCTCCGGAACACCCCTG	4
wt-83940-84060	3553	TATGCTATATGGATTGGCTGGGCACGAAAAACCCAGTTTCAATTTAGATTTGTAGGATGTTTGAAGAAGGACCACACTCATATACCGGAATGGTTCGCCAGTGCACCCGGGAGA	4
wt-84060-84180	3554	CCCAAAGCAGCCAAAGCCATGGTTAAGAGCGCATCCTGTCCGATTTCTTATGATGATCCGTTAAACAAACGAGGAGATTGATCTGGCCTATGCCGCGGGCAGGCCATGAATATTGAGGCT	4
wt-84180-84300	3555	CCTAGACTGCCAGATGATCCTATAATTGTTGAGGATGACGACGAAAGTGAGGAAATTAAGCTGAAAGCGACGAGGAGAAGACAAGAGTGAATGGAATCTTAAAAATATACCGCAA	4
wt-84300-84420	3556	AACTGCCGTACAATCCAAAGTATACGGCAGGCACGGCTGGTTTGAACGAAAGTACAGTCAAAATCAACAAAAAATGCAAGGCGCATAAGTACTACTTTAGTGAATCAAGGCCATT	4
wt-84420-84540	3557	GAAGAGAACACAGAAGAAGAGCAGCCAGAACAGACGAGCCAGGAGGACCCGCTGAATCCAGGCCCCACAGTGGTCTCCAGGACCCACCGCAGCAAGAGCCTGGCCCCGTC	4
wt-84540-84660	3558	GGCCCACTGAGTGTCCAGGCTCGGCTGGAGCCATGGCAACCTTTGCCCTGGCCCAAGTACACGAGTCTACTTACGAAGAATCCATGACGGGTGCCAAGTACATGGTTCCGATGCTA	4
wt-84660-84780	3559	GACCTTCTGAAAAAGACGATGAAGTCAATGGAGCAGAGGGTTATGGCAACCTACTGCCACCAGTACCACAACAGCCCCGGGCTGGCAGAAGAGGCCCTTGTGTCTTACCAGTACCTA	4
wt-84780-84900	3560	GCCATAGAGAGTGTAGGCGCCCTCGACAGAGCCGTTGATGATGACTACTGCTGCCAGGACTGACCCTCTTGAATCCAAACACTAACGTCACCCACGCTCTCAACTTAGC	4
wt-84900-85020	3561	AGTTCGGCACCAAGCTGCGCACAACCTCCATGGCCGGTGGTTCAGCACAAGTACAGTCCAGATGACCAACGAAACAGTCCCGGCCACCGGAAACAGCTGCCACGCCAGTGGCCAAATG	4
wt-85020-85140	3562	CCCCTGCGACCTATCCCTATGCGCCCTTGCCGATGCAGCCAATCCCATTTAATCATCCAGTGGGCCCTCCCATCAGACACTCAAGTGGAAATAACCCATATAAGGCCACTTTGG	4
wt-85140-85260	3563	GCTCAGATAGGGCACATCCATATCAGCTACGCCAACCGGCTGCTACTGACTGCTGTTGGCCAGTGGACACCCGACCTGCGAGACCCAGCAGAGGAGGCGCCACTCCCATGTACCA	4
wt-85260-85380	3564	CCTGAGGTGCCACCCGTTCCCGCAGAGGCCCTCGGGGGCGGCCACTCCCACGCACTCCTCAGGTGCGCGCCGTTCCCGGCAGAGGCCCTCGGGGGCGCCACTCCCAGCCACT	12
wt-85380-85500	3565	CCTCAGGTGCTGCCACTCCATGCAGCTGCCACTAAGGGCTCCTGCTGGTCAAGAGGCGGCAAAAGCAAAATTTGCGCAATGTTAAACGGGGGCGTCAAGAAAGGGAGACCATCA	4
wt-85500-85620	3566	CTAAGTTACAGGCCGCCCTTAGCGTCAAGCCGCTGCGGGCTGGCAGCCCTACCAGGTCGCGCACCAAGTGTGAGGCGCCATTGTCAGCGCCCTATTTCTACCACCCGTTTTGCAGCCC	4
wt-85620-85740	3567	ATACAGTTATGGGCAAGGGGTTCCCAACGGCCATGGCCGCTCAGCGGTGACACAGGCGCCCAAGGAAATACCAGGGAAGGAGGGGAGTGGGGCCTATGCCTCCCACCGATTT	4
wt-85740-85860	3568	CCGCGCTAAACGAGCGAAGATCGAGGCTATACAGAGCCGAGATCCGCACGCGGGGGCCTCGCACTCTCCCGTGTATCTTGGAGATGTGCCAGGGGCAACGACAGACTCTG	4
wt-85860-85980	3569	GAGTGGCGGAACTGCTAAACAGGAAAAGGACATGTTGGGGCTGGGGGACATTCAGATTTCTCCCTCTTCTGAAACATCGAACGATGAGTATTCGCCATGTAAACAAGAAC	4
wt-85980-86100	3570	TGGGATGAACCTGGGGCAACAGACTGCCGGGAGGAGGGGGCAGTGATAAGTCAAGAAATTTAGATGAGGTAGAAATTTGCATATTTTACAGCCACCATGGAATCATTGAAGGA	4
wt-86100-86220	3571	CAGGGGACTCTAGACAGTCAACCGACAATGAGCGGGGAGATAATGTACAGACTACCGGCAGCATGATCAGGACCCCTGGCCGGGGCTCCATCCAGTGGGGCTTCTGAGAGATTGGTA	4
wt-86220-86340	3572	CCAGAAGAGTCACTCAAGAGATCAGCAACCTTTGGGGCAAAAGCAGGGGTGATAAAACAGAGGCTGGATGCAGCGCATCAGGCGAAGGCGGAGAAGACGGGCTGCCCTGTCGGCCAT	4
wt-86340-86460	3573	CTTTAGACACGGAAGACAATGTGCCCATGTTGCTCCACAGACATCACACCATATACCAGGAAATACAGGGATGCTGCTGCCGGCTGTCAAGGTGAGTATGCTCAACT	4
wt-86460-86580	3574	GGTTCATGGGGCCATTAAGGCCACGTGTGACCCATGTTCCATTAATTTAGCAATCGCACCTGCAAGCGCTATCAAACTGATACTCGATAGTGGTTCAGACACAAACACATCT	4
wt-86580-86700	3575	TGTGCTTGTGATGGCAGCCAGGCAGCTTTCAGGACATTCAGCTGGACCCCTGGTTCGCGAGGGGCGTGGTGGTGGCGACATTGGCTTCAACTCTCCCAGCCAACTCGGCCA	4
wt-86700-86820	3576	TGGGATATCGTACAGCAACTACGCACATTAACCTCCGTGCTAACAGGGTGGGGCTGACAGCATGATGTTAAGTGCCACATTTGATGCCAAAATCGGGACGAACTCAAAACCT	4
wt-86820-86940	3577	TCTCTGCCACCGTGTGGACACACCCCATGCTGGACAAAGAGAGCAAGAAATACGCTCGGGAAGCGGAGTACGCTTCCCTTCTGTGTTAAATGGCAGAGGGGCTACCGAAGATCTATG	4
wt-86940-87060	3578	ATTTGATAGAAGTGTGGCTCTGCACCACATCTGGCAAACTGCTCCAGACCAGGAGAACCTTTAGATTCTGCTGCTTCATGGTGTGATGCTCCAGTGCATAATCCAGCTG	4
wt-87060-87180	3579	TGAATTAAGCTGTTTCAAGACAATCGAAACTTTAAGCCATATTAACCCTGGAAGTGAACACCTAAATGAAAATCCATATCAGCGCGGAGAGGCATAAAAGAACAGTAAATCCAGAACG	4
wt-87180-87300	3580	CATTTGAAAAGGCACAAATACAGGGTTATCAATGTTAGCAACGGGAGTGAACCCAGAGGTGATGCTACTAGTAAACGAGCAGTGTAGGACACCGGTAGACAGGGTTCCGAGCTGG	4
wt-87300-87420	3581	AGCTAGAGTCTCGGACGATGAGCTGCCATATATCGATCCCAATATGGAGCCGGTTCAGCAGAGGCCCTGATGTTGTTGAGCCGTGTGCCTGCAAAGAAACCGAGGAAACTGCCTGGC	4
wt-87420-87540	3582	CCAGCGCCAGACGCAACCAAGTGAAGCGCACAATGTTAAGACCTCTGATAGATCTGATAAGGCAAGAGCAAAAGCACCCTGAAAGCGCGGGGCCCTCCGAACAACTCAGTAGCCG	4
wt-87540-87660	3583	TGGAGCCCGCCACCCGACCCGTTGGAGATGCCAATGGTATTCTCCATCAACCACTCCAGTCCCAACCGGTTCCAGTCAAGCCTACGCCACCCTTCCTGAGGAGGAGGGAG	4
wt-87660-87780	3584	CGTGTGTTGACGACGATGATGTCATAGAGGTATTGATGTTGAAACCCAGGAAGATTCTGTCAGTGTACAGCCAATAAGCCACACTCGGAAGACATCAAGACGGCTTCAACGGT	4
wt-87780-87900	3585	CAGGCGACGTCAAAAACGAGCGCGCCTCCCACCGTGAGTCTTCGGATACTGGCCCTCTGCCGTGGGGCTCCTGCCGCGGGGCCCTCCTGCCGCGGGGCCCTCCTGCCGCGGGGCC	8
wt-87900-88020	3586	CTGCCGCGGGCCTCCTGCCGCGGGCCTCCTGCCGCGGGCCTCCTGCCGCGGGCCTCGCATACTGGCCTCTTTCGCTGGGCTCCTGCCGCGGGCCTCACATAGTACGCCCTCCTCGCGCGGCC	12
wt-88020-88140	3587	GTATAATGGCCCTCCCGTCGTACGTATGTTTATGAGGGAGCGACAGCTCCCCAGTCCACCAGCCGTTAAACCTCAGTGTCTTGGGAAATGCGGGCTGGTGTGAATACACAAATGC	4
wt-88140-88260	3588	AACAAGAACCAAGTTCACACCTCGAGTCCGCCACTCAGCTCAACAGCCTGCCCACTGAGTGGCCCATCAGTCTGCCCTCTCGTGTGATGGTGGTCAAGGCCAGCCCATAGAAA	4
wt-88260-88380	3589	GTTCAACTTGAGTTCGATTCGCCACACAGCCGATGTCAGCAGAGCAACCCGATGAGGATCTCAGCTCCTCGGATTAAGTTCATCCAGCTGGTGGTTCACAGG	4
wt-88380-88500	3590	CTCCCCAGCTCCATACCAGGATACCAGGAGCCCGCCGCCAGCTCCATACCAGGATACCAGGAGCCCGGCCCCCGCCGCTCCATACCAGGATACCAGGAGCCCGCCGCC	8
wt-88500-88620	3591	ACGGGCTCCAATCATCTTCATATCCAGGATATGCGGGTCCCTGGACCCCAAGGTCTCAACATCCATGTTATAGCCACCCCTGGGCACCATGGTCTCAAGATCTGTGCATGGGCACACC	4
wt-88620-88740	3592	AGGGTCCATGGGATCCAGGGCACCACATCTCCACCTCAGTGGGATGGATGTCAGGACATGGCCAGGATCAGTCTCCAGTCCCAGATCTGCAATCGGAGACAGGCCACCACGTC	4



wt-88740-88860	3593	TTCAACTTTCATTGGTGCCACTGGTCTCATCTCTGCACCATCATGGTCTATCTCCCAGCCCGGAGCCCCATACGCCCCATTCCAACAAGATTCCCCTCCCCATGCGGTTACAAG	4
wt-88860-88980	3594	ATAGCATGGCCGTGGGGTGTGACTCATCAGGTACAGCATGCCAAGCATGCCCTTTGCCAGTGATTACAGTCAAGGTGCATTTACCCCACTGGACATTAATGCCACCACGCCAAAAAGGC	4
wt-88980-89100	3595	CTCGAGTAGAAGAAAGTTCTCAGCGACCTGCCCGGTGTCCCAAGCTACTGCTGAAGCACAGGAGATTCTCAGTGACAATTCTGAGATCTCCGTGTTCCCAAAGGACGCGAAGCAGACTG	4
wt-89100-89220	3596	ACTACGATGCATCCACTGAAAGTGAGCTAGATTAAAGGGATCCAAAGGTGACCCCTGTAGCTATTTGATCTTTGACTGACACATAAACATGGTTAAAGGAATGAACACTCATGGTGTGAG	4
wt-89220-89340	3597	ACTGGAAGTACTAAATTTGCTGACATATGTACAATGAGAGCCAAAATTTGATAAACCTTAAAAGTCCCCCACTAATGATGTCCAGTTCCCTTCTCCCACCTGTACACCCCGACC	4
wt-89340-89460	3598	CAAGGGACTCAATGGCATTAGATTCTAGTTACCACAGGTAGAATTCGGCCATGTGCCCATAAAAAAGTGCATGGATATAGCTTGCACAGGCTTGGAAACACCCATTCCAGGTG	4
wt-89460-89580	3599	TGCTTCTTTTTGGTGAATAAAAAACAGCATCCCTTTATATGAAATGTGTATTCTCTGGTGTGCAGTATGACTGACCTCACGGTATAGTTTTGGGTATAGTTTTGGGGTGAATGTGTGCGGGT	4
wt-89580-89700	3600	GGTGTCCAATGTGGCAGTTTTACCTCTTTGTCCCCATACTCTGCTCGGCCGTCTTGTAAAGTTAACCGCGCGTGGAGGATCCACCGGCCAGACCTCTACATTTGGTTGGGTACCCAG	4
wt-89700-89820	3601	GTGATGGCCGCGCTGCCACCCGCCCTCCTCCTTACCTGGGTGGCAAAAAGTATGCCAGGAGTAGAACAATAACAAGTGCATGGCGGTAACAATGGCACCCCTCACCTGCTTAAAT	4
wt-89820-89940	3602	GAAACCATGGCAACCATTCAAAGAGAGCCGACAGGAAGATATTTAATATTCCATTAGTAAACGAGCGCTGAAGCAGCGCTGGTTCAATAACGGGAGTTAGAAAATTAAGAGATCC	4
wt-89940-90060	3603	TCGTGTAACAACATCTGGTGTCCGGGGATAATGGAGTCAACATCCAGGCTTGGGCACATCTGCTTCAACAGGAGGCCAGCCTGTCAATTTTCAGATGATTTGGCAGCAGCCACTCGGA	4
wt-90060-90180	3604	CAAAAATCAGGCGTTTAGATGGGGCATTATGTTGGGACGCTAGCCCGCTGGCCATTCTGTTAGTATATACCTGACCTCACGGTAGTCTGCAGCAGTTGCTTAAACTTGGCCCGCAT	4
wt-90180-90300	3605	TTTCTGGAAGCCACCCGATTCTTGTATCGCTTTATTTCTAGTTTCCAGATCGCATTCTCCAGCTGCGAGCAAGGGAATGCGTTACTACAAGTGGTGCCTAGTCAAGTTGAAACAAGCCCA	4
wt-90300-90420	3606	CCATCCGCTGCCGCCCTCCATGAGCCACCGTCCGCTGCCGCCCTCCTTAGCCCTCCTTACCGATTCTGGCTGTGTGGTTCCGTGTGCGTGTGCCGGGGCAGCCACTGGTGC	8
wt-90420-90540	3607	AGGCTGTGGAAACCAATGTCTGCTAGCTGTTGCTCCTTGGTGTAGCCCGGGGCAAGCAACACCACTGCTGCTGCTGTTTGAACAGTAGAATTGTCTCCAGGTTGAGGTGCTTCCCC	4
wt-90540-90660	3608	GGCTTGGTTAGTCTGTTGATTCTGGTATGTGCGGAGACTGGGAACAGCTGAGGTGCTGCATAAGCTTATAAGCATTCTCAGGAGCAGGCTGAGGGGCAGAAAACACGACCCAGTCCG	4
wt-90660-90780	3609	AGCGGTTGAAACATGATAGCGAGTTAGCTGCCCTTGTGGCAGAGCTCTGGCAGCACCCGCGCACAGCACACAAGGCAAGGAGCTTGCATGGCCCTCCAGGTCCTGATAGACTCTGGT	4
wt-90780-90900	3610	AGCTTGGTCAAAGCTTGTACAAAAGGCACCTGGTATGGGTGAGGTGTAATTTTACATCTCAGAAGTCGAGTTTGGGTCCATCATCTTCAGCAAAGTAGCAAAGGTGGCCGGCAAG	4
wt-90900-91020	3611	TGCAATGTTTAGTGAGTTACCTGTCTAACATCTCCCTTTAAAGCAAGGCACCAGCCTCCTCTGTGATGTCATGGTTTGGGACGTGCTAAATTTAGGTGTGTCTATGAGGTACATTAGC	4
wt-91020-91140	3612	AATGCCTGTGGCTCATGCATAGTTTCTAAAAGAGGAGGAGCAGTTTTCAGAAGTGTCTAAAATAGCTGGTGTCAAAAATAGACAGCCAGTTGAAATATGCATGGCATGCAGCAGACA	4
wt-91140-91260	3613	TTTCATCATTAGAAATGTATCCAAGATTTCATTAAGTTCGGGGTTCAGGGGGAGTCCAGATTCAAATCCTCTGTGATGGACTAGTGTGTGGTTCAGTTTCGTTCCAAATGGCCACGAG	4
wt-91260-91380	3614	GGCGGGTGGCTCAGGTCCATCTGTCCACATTTGCTCCTCTTCTGGGGAATAACAGTGTGACCCCTTAGGGCCTTACGCGCTTACGCGGTTTCTTTCATCAGGGTCTC	4
wt-91380-91500	3615	CAACAGATGACTTCCCTCGGGGTTACTGCGGGGGCCGGTCAAGTGGCTGGGGCACCAGGGCTGGCGTTAGGGATCCGACCGGTTTCATGGACAGGTCCTGTGGGGTGGGAGCCAAAAGA	8
wt-91500-91620	3616	GGCAGGCAGGGCCGGTGGCCACGGGATCCGGGTGGATGGAAGGCCTGATCCTCTTGGTGTACACACCTCTGCCCTCGAACACGTCAGATATGGCACTGCCGCTCCGGCTT	8
wt-91620-91740	3617	TGGCAGGAACATACCTTCCCGCTATCCCTGAGGCCCTTCTCCTTTAACGGGAGGAAGAAAGTGGGCTTTGAGGGTGGGGGAATAGGGTCTCTCATCGCTCTTGGTGGACCGC	4
wt-91740-91860	3618	TGCTATCCAAGGCTTTCAGGTTCCGCGCGTGGAAAGGACATGGAGTTTACCACGGTGGGCTGGATGTCCGCGCGCACTTTGGGGCCCGAGGCGCGGGGCTCCGCCCTGGCCCTC	8
wt-91980-92100	3620	GAGTTTCATCTGTAAAAGCATGAAACTGTCCGACTCCGAGTAGCGGGCTCGGTGTGAGAGGCACCCCCATCATTTCCCATGAGCTCCTCTGTCATCCTGTCCGCTCCGACACAGGATG	4
wt-92100-92220	3621	AGGAGTTTCCACTGCCCTTGGACTTGGTTGACAGCAGGCACCGGGAAGCAGCCCTCAGTACGCTCTGTCCCGCTGGCTGGAGTAGGAGGCGCGGCAAGTGTCTTAATCAGAGC	4
wt-92220-92340	3622	CCTGACATCCTTAACATCGTCCGTGAGTGGCCTGTCTTGGCAGAGACCATAGTCTGGAACATCTCCTCGAGGACGGGATAGGTGAACACCCACTTGCAAAAGGCCTTGAACCTGGAGCT	4
wt-92340-92460	3623	TAGGAGGCCCTTCCCTTCCATCCTGTTTCCAGTGTCCACTACCTGCTTCCGGAGGCCATGATGGCCGCGCGTCCAGCCAGCACCTTGTGTAGGTGTAGGCCCGCACCCGACTGTG	4
wt-92460-92580	3624	TTTTAGGAGCTTGTACATAGCGGTGCCATGGTGGCAGGAATCATACCCGGTGGTGGGGCCCTGGATGAAGAATCTGTGAGTACCACATCAGGTGGTCTAACACGTAGCCGATCAC	4
wt-92580-92700	3625	TATAGGGCAGCGATGGAACATCGTCTGTTGCCGGCATTCTCAGCCGCTCTTACCCCTGTTGTTTGGAGAAATGGCCAAAATTCAGATGTTGAGCGTGGCCATTAGCCCGCCCA	4
wt-92700-92820	3626	TTCTCGCCCGTGGCCCTTGGCCCTATTATAAATGCCCTTGCATATTTGTAGGATCTCAGAGTAATCTCCACACTCCCGGCTGTAATTTCTTGTGAGGACGTTGCAGTAGTCAGAGAC	4
wt-92820-92940	3627	CAGAGAGCCAGCTGCTTTTTGATTTACAGGAGTTAGCCTCAGAAAGTCTTCAAAGCCATCCTTTTTAGGCCATCGGCTAGTAGTAACAGAGGAAATGCCCGACCTAAAATCTTTCCT	4
wt-92940-93060	3628	CCATGAGCTTTACCTGAAACACTATCCGAGAGTGGGGATGTGGTGCATCTACTGAACACCATCGGGTGCAGTGCAGCTCCCACTAGCCACCCACTCCTGACAGCCAGAGGGGGCT	4
wt-93060-93180	3629	GTTCTGGCAAGAGTCTTGCAGGCTGTACACGAGCACAAGCTGTGGAAGACACCATCGTCCCAAGATCTTAAAGAAGCTGGCTTATTTCTTAGAGCTGTAAGCTACTACTCCCCAA	4
wt-93180-93300	3630	GGATGAACAGCGTGACATCGCCGAGGTTCTTGACCACCTCAAAGCAATCGGGACTGGGGCTGGACGACAGACTTGGCCCTGATTAGGAAACTGCCCAAGACAGACACCATGCCTC	4
wt-93300-93420	3631	TGTAATGTCTCATGCCAGGAAGCGACTACACAGCCGTGTCGCTGCAGTACTACGACGCACTCCATAGGTATGAGGAAGTAATCGCGGATGTCTGCCGAGTGGCTATGCCCTCAT	4
wt-93420-93540	3632	GCCCTCCATGACGGCCACGCACAACCTCTCCACCAGCTTGTGATGGCGTCCGGGCCAGTGAGGAACCGTGCAGCTGGCCGCGGTTCTTAAACAGTCTCCTCTGGACTGTGGCCCT	8
wt-93540-93660	3633	CTGCAAGTTTCCGAGATGCATTTACTATAACTACATTCAGGGATCTATAGCCACCATCTCCAGCTTCTGCACCTCGAGATCAAGGCCCTCTGCAGCTGGATAATATCCAGGATGGCAT	4
wt-93660-93780	3634	GCGCCTCTTCAACACAGCAGCCCTCCTCCTACCCCTTGGGAGAGCGTGGCCGCAATCAGGAGTACGGATGCCATTACCTGCTGACTGCGCTGAATACATAGACCTACTAAAGCA	4
wt-93780-93900	3635	CACAAAACATGTCTTAGAAAAGTCTTCCCATGCAATACAATAAATTTCTCTTACCTGCTGTGTTGTGTAGTGGGTTGTGTCTGTATGGTATTTACTTTAAAAGGGCCGGC	4
wt-93900-94020	3636	TGACATGGATTACTGGTCTTTTATAGCCATTGGCATGGCGGGCAACTCGCAATATAAAACCTGACCATCACATGGGCATTAGGCGACTCGCATGCATGCATCGCTTAAGTATGAGTG	4
wt-94020-94140	3637	GGCAGCAGAGAGGCTCGGTTATTTGGTCTGAACATCTGGCTGGGGCATTAACTAAGCTTATGAGCGATTTTATCACAGGACAAGTGTCACTCTTCTGGAGGAAATATGCAAGTCA	4
wt-94140-94260	3638	AAATTCGCGATGCTATAAACAGACCCCGGGGGTGGTATGTAGCTATATCTTCTCCTGTTGCTTTATGGAATGCCCTCCCAACATCTGGTAGACAATCTCCAGGGACGATTTAA	4
wt-94260-94380	3639	TCCCAGCCCGCTGCAGGCCCTTAAACACGGCCACAACTTATGTCTGGGTGTTATCCAGGTGAGACCTCACACAAGGACACACCCGAGTCAATGCTCCGGCTATCGTGACGGGTCTCC	4
wt-94380-94500	3640	AAAAATTTGGGTGGATTCTGTCGGATGTCCAGAGTCCCTACAATGTCTTAAAGGATTGAAGGCAATTAAGCCCGGCTTTATGAAATCCCTAGGATAATACCACACTAAGCAGTGA	4
wt-94500-94620	3641	GTCCTGTCAATCTCCTGAACATGGTCCACAGCTTGTGGCTTACTGTTGCTGTGAGGCTGCATACAGCCCGTGTCTGACGCTGACTTTCAGGAACTCCCTGACCTGCATG	4
wt-94620-94740	3642	ACTCCGATGCTGTTTTCGACAGCCTTATTGGCAGCCTTATTTACCTCAATATGTTCTTATTCTCAAAGTACATAACACAAGACTCCATGAGCTTGAAGCAGGCCCTCAGTGGTC	4
wt-94740-94860	3643	ATTGGATGCTGCCACGGGCAACCCCTGCCTGCAGCACCAGAAACCTGCGAGACTCTTGAAGCTTCCGAAATTCGGATAATCACTTTTATCTCCGACGACAGGGCCTTAAACA	4
wt-94860-94980	3644	CCTTCAAATTTCCCGAAGAGCTTGGGGCGGTTGTTGTTATGATTCCTTCTTGTGTCGCCAGTACAGTTCAGGACGTTATCACCATGGTGTGGGGCGGTTCTCCTGCTCCT	4



wt-101340-101460	3696	TGTGCACGGAAAGCGTTCAGCTTCGTCCACCACGATACATTGGTGGTCCATAGCTGCCCTGGTGCATGTCTCTCAGGACCTCAAAGGGGGGGCCAGAGACTCCCAGTAGAGCCCC	4
wt-101460-101580	3697	TGGGCTTGGTTCGCCTGAACCTCGCGGCAATGTCGGAGAGTACCGCCAGTATTTGGCCAGTCCCGCCCTGGAGTTCCCTTAGGGCGGCGTCCGTAGAGCGACCATGACTGCTGACCC	4
wt-101580-101700	3698	GCTGCGTCATATTTATGTGGCGCTCTTGAACCCAAAGGCGCTATAGACGGTTGGCCAGTAGGCTCGGAGTGTCTGGGAGAGGTTCTGTGCGGCCACGGTTGTGGTCCCCTGACCAGGC	4
wt-101700-101820	3699	AGTCCATCGTGTGGTGGAGGACGCTAACGCTGGTGTCTTGCAGCCGCCCGCGTTCGCCATAATTACATAGGCTGAAAAGGGCAGGAAAGGGGGCTCCGAGAGCTCCGGGTCAAACCTCGG	4
wt-101820-101940	3700	GGGAGAACGCTCCATATCCGGGAGTGTGGACGCGGCCCTAGCCAGGGCCCTATCCCTCTGACTATACGCCCTCACGGAGGGCTGTGAGGTCAATGTTCAACATGAACCTGGACGAGA	4
wt-101940-102060	3701	GCGCCTCTGGCGCCCTCGGCTCGGCCATCTCTTACCACCCAGCCCGCTCGGTCAGCTTTTGGATGACTGTCAGGGAAAGTACGCCCTACGTCCAGGGACAGACCATCTACGCCA	4
wt-102060-102180	3702	ACCTTCGCAACCCCGGAGTCTTCTCGAGCGCTTACCAGAACTTTTACCATGTCCTACCAGCAGCTGAGCATGCGACGTACGATGACGTGCTACATGACTGGAACCAAGTTTCGAGCCCTGATCC	4
wt-102180-102300	3703	AGAAGCGATGGCCGAGCGATGACTCGTGTGCGAGCCGGTTCGTGAGTCCACCTTCGAGTCTGGTCCACGACCATGAAGCTGACCGTGCCTGACCTGCTGACCACCAACATCTACCGAG	4
wt-102300-102420	3704	TGCTACACAGCCGCTCCGTGCTCTCTATGAGCGTTATGTGGACTGGAATCTGCGCCACCCGGCATGGTGCCTCCGTTAAGAAGCCATAACCCAAGAGCTCCACTCCAAGATAAAGAGCC	4
wt-102420-102540	3705	TGAGGGACAGGTGCGTCTGCGGAATGGGGACAGGAGGACCATCAGGAGTATCGGGACGGAATATATGAGGCAACGAAGGAAATAATAGAGTCCGCTCAACTCCACCTTACATCCCC	4
wt-102540-102660	3706	AGTTTACGAGGTGACCATCGAGTACCTCCGAGGAGCAGAGTATGTGGCTACTACTGTGCCCGCCGATCAGGCTGCATGTCTTCCCCCGGCCATTTTGGCGAACGGTGA	4
wt-102660-102780	3707	CTTCGACAGCCCGGTGCAGCGCTTACCAGAACTTTTACATGTGCTACCAGCAGCTGAGCATGCGAAGTCTGCCAGCTCCTGAACACGGCCCTCAAGGCCATCGTGGGCCAGC	4
wt-102780-102900	3708	GGGGCGAGACATGTACAAGGACATCTGGCCATCTGGAGCAGAAGTCCACAGCGCAAGGACCCCAAGAAGGAGCTGCTGAACCTGCTGGTCAAGCTCCTCGGAGAACAAGACCATCAGCG	4
wt-102900-103020	3709	GGTCCAGGACGTGGTGGAGGAGTTCATAACGGATGCCTCAACAACCTGGTGGACCGCAACCGTCTATTTGGCCAGCCCGGGGAGACAGCTGCACAGGGCCTAAGAAAAAGTCTCCA	4
wt-103020-103140	3710	ACACGGTGGTCAAGTGTCTGACTGATCAGATAAACAGCAATTTGACCAGATTAATGGCCTAGAGAAGGAGAGGGAGCTCTATCTAAAGAAGATCCGCTCCATGGAGTCTCAGCTGCAGG	4
wt-103140-103260	3711	CCTCCCTGGTCCCAGCGCAACAACCCAGCGCGTCCAGCCCCCGCCAGTGGCGCAGAAGCCCGCTGTAGATATACTGACGGGCGACCCGCTCCGCAATCGAAAAAGTGTTC	8
wt-103260-103380	3712	ACTCCCGTCCGCCAGCCTGGGTGCCAGGGTGTCTGGTCACAATGAAAGCATCCTAAACAGTTTCGTTTCTCAATACATCCCCCTTCGCGGGAATGACTAAGGATCTGACTGAACCTT	4
wt-103380-103500	3713	GGGAAAGCGAGCTGTTAACACCTCAAGTTAACACCCGTTGGTATAATCAGGGGACGCTCTCTACGTCAGATACTGTCAGACACGATCTCTATATTATGGGCCCTTACCTATC	4
wt-103500-103620	3714	TGGTGGCAGAGCTTTCACCGGTGGAACCTGTCAGACAGTCTACGCCACCTAGGCATCGTGAGATCATCGACGAGCTTACCAGGACAGTCCGCTGGCCATCTACATCGAGGACCTCG	4
wt-103620-103740	3715	GTCAAAAATCTGCCCGCAGCGCCACCGGGGGAGATCATGGCATCCGGCAAGCACCATCAGCCCGGGGGACACGGAGCCTGACCATGCAAAAAGTAAAGCTGCGCGTGACCCCCCGC	8
wt-103740-103860	3716	CTGGTGTGGAAGTTAACCGCCATAACGCCATCTGCTGGCCACCAACGTCCTGAGTTCATAATGCCAGGGGGGACCTTAAACATCCGAGACCTCCGGGCCACGTCAGGCCCGGATG	4
wt-103860-103980	3717	ATCTCGTCCCAGTTTGGCGGTACGCTCCTGAGTGTCTGGACTCCGAGCAGCTGACCCACCTCAACATATTTCCCCACGTGTTCTCCGAGAGGATGATCCTGTCAAAACCCAAC	4
wt-103980-104100	3718	AATGTGAACCTTATGGAGATGTGCGCCTGCTCTCGATGATTGAGAATGCCAAGAGCCCTCCATAGGCCCTCTGCCGGGAGTGTGGTCCGCTGACCTCTTGCATCCAAGTGCAAC	4
wt-104100-104220	3719	AATCTGGACTCTGTTTCTGTACAATGGGGCCAGGACGCTGCTGCCACCTGGTCAAGTACCAGACCTGGAGGAGGGGCTGCCACCCCGGGCCGTGAATGAGGGCTGAGTCTC	4
wt-104220-104340	3720	TTAAGCTGCACAAGGAGCTGAAGCGCCGCCATCCGAAGCCGGGACCTCATGCAGAGCCTTTTCTGACCTCGGGGAAGATGGGTGCTGCCCAGGTACCCAAAGGATTACTGCGCG	4
wt-104340-104460	3721	GATCTAAACAAGGAGGAAGTGCACCTCGGGCTTACATTTAACCTGTTTATCAAGATTCTTTATGACCAAGCATTTCAGTGCCAGACCCCTCCAGACCTTGAGACGCAAGTGC	4
wt-104460-104580	3722	CTCGGGAGTGACACGGTCTCAAAAATAATCCCTAGAATAAACTGAGAACAGTATCAGTAAATGTCTCTCGGTGATTTCCATAGGAATGGTGTAGCCGGGTGGAGGGCCATATC	4
wt-104580-104700	3723	ACATCAAGCAGAAAAGGCCATAATCTCTCGAAAGTAGGCGGTGGGGCTGAGACCATGCTCAAGTGGCCGTGTAGAGGCCCCCGAGTCCCGTCCGCTGCTGAGGTGCCATAGCCGTGAAGGGCCGACGCTG	4
wt-104700-104820	3724	CCAGAGAGGCGCAGCCAGCCCTCCGAGCCGCTGAAGCCAGGCTCGCGGAAGAGCCAAAACCTGTTTCGGCGCCCGGGGGCCAGTCTCCGGGTGAGTCCGCGGACAGGGTCAAC	8
wt-104820-104940	3725	AGGTGGTGTGGGATGGCGGGGCTTGTCTGCCTCGGGTCTCGCCGCTAGTGGTCCAGGGTCCAGGAGAAGGCTTCTGCGCAAACAAAAGGGCCCGAGTGTCCCTACATCCACCC	4
wt-105060-105180	3727	CTGGCATCTCCGAGTCTTTCACGCCTTGCAGGAAAGCCTAGGAGATACAGCAACAGAAAGCTATTAGCCGGTGGTTCGCCACCATCTTCTCTGTTAACGGGAAGATAAGAGTTG	4
wt-105180-105300	3728	GGCAAACCCGGGGCCGCGCTCCACCCAGCCCGCTTCTACCTGTGCTAGTGGTCTCTGAAGGATGGGCGGAGTGGTGGCCAAAAGCCAGGATGAACCTGCTGCATAAG	4
wt-105300-105420	3729	CCCAGGTACGCTTAGGTACGCGCCCGGTGTAGGAGAAACCCGGGTGACGGCGGTGTAGAGGCCCCCGAGTCCCGTCCGCTGCTGAGGTGCCATAGCCGTGAAGGGCCGACGCCAGG	8
wt-105420-105540	3730	TTTGGCGTCCCGCCCTGCCCTCCGCCATCAGCGTTCACCGGGGGCGCCCTGGCAGAGAGGTGGCAGCGGGCAATTCGTAGAGCCCAAGTGGCATCAGCCTCAAGGATGGCTG	8
wt-105540-105660	3731	TGGCTCCGCGCGCCGACCACCGTCTGCTCCTCCCGCTCCCTCGCCGCTTCCCGCTGCAAACGTGGCGAGGGTTAATCTCCTTTCCGGTCCGGGGCCAGATTTGTTGTAGGA	8
wt-105660-105780	3732	GCAGCGAGCCGCTGTTGCCCTGACCGCGCTGAGGCGCCAGGAGGGCTCTGCCAGGGCGTCCAGAGACTCCAGGTTCAAGTCCAGTAGCAGGAGACCCTCGCTGTGGCGCCC	8
wt-105780-105900	3733	GGTGCAGAAAGCCCGCTCCCGCTCCACATAATGGATGGGCGAAGGAAAGCCCGGACATAGGGCTGGAATCTGAGCCCTGGGCGAGTTCGGGTCCAGGAGGTAGAAGA	4
wt-105900-106020	3734	TGGGCTTGGTGCCTGTGTTGGGTAGCAGGAGGCATAGATACTCGGAGGAAGGCGTAGAGCCCGCCCGGCCATACTCCAAGAGTTGACAAGCCAGGACTCGAATCCCCAGCCG	4
wt-106020-106140	3735	GCTCAAGAAATTTAGGCTGACGCGGTGCCCTGGGCGTCCCCACACGCGCGTGGCCCGTCCGACGACACCAGATCTACTTCATAAGTGACCGGTCCGAGGATGTCCCTAAAGGGGA	4
wt-106140-106260	3736	CGGGAGAGGGTCTGGGAGTCTCGGTGGAATAGGTGAAACATCCCACCGGTGCTCTGATGTATACGTCCAAGTGTCCGGGAGACTCAGAGTGCCTCTGAGCATGGGGCATGTCT	4
wt-106260-106380	3737	GTTCCCTCCATCTCGGACCCGAAGCCATCAACAGTGGGGGTTGTTGGTCCCGCCATCATCCCCGAGCAGCTTTGGCAGACCACCTGTGCTGGAAGAGAGGCTGGAAGATGAGGC	4
wt-106380-106500	3738	CCTGCTATCTCCACCTGGCGCGGACAGAGTCTCGGGTCTCGGGTCTAAATGAAAGGTCAAAATAGGTCCTTCTCGGGGCATCGCGGAGCATAGCAATGAGCCCCCGCTCGCC	4
wt-106500-106620	3739	TGAGCTCCCGCTCCATCGCAAAAATTGAGTTCGGTAGTCGAGGGCGGTTGACCACGGGGGCTCAAGGAGCCTCAAAGCGCGGCTCGGAGCCTGCACCAGCATCAGAGTCTCAA	4
wt-106620-106740	3740	CGTCTCCCTTTGATGGGCAGATGCCACAGCCAAATCGCCACCCAGCCCTGCGGTCTGGTAACATTATAAAAGGTAACCGAGCTGACCGGGCCCTGACGCTCTCCCGGGTG	4
wt-106740-106860	3741	TTCCATCATTGTTGAGATCTGAGGAGGACTGGACCTTTAAACATCCGTCACGCCCTTTCGAAATTTTAAAGGTGAATGCTCAACTGAGACCATCGAATCATGAAGTCTCC	4
wt-106860-106980	3742	AAGATGACAGCTTCTGCTATAGAAGCTGGGTCAAACGCTTGTGTGTACTTTGTGATTTGTATGTGCGCGGTGGTCCCATCACCAGGATGTTCCCAACCTGGGGTACCCTGC	4
wt-106980-107100	3743	TACTTTAACGCACTGGTTGATTACGGGGCACTTAACTGACCAATTAACCTGGCCACCACCTGACCCCAAGCTCTATCTGGAGCCCGGAGATGTTGTCTACATCAGCTGGTCT	4
wt-107100-107220	3744	TTATCGCGGACTCGTGGCTTTCATCTACTACGCTGCGGAGGTGGCGCTAATCAAGGCCGAAAGGCTCGGGTCTTACAGACTCTCGGCTGGTCTCGGCAGTGGGCTCC	4
wt-107220-107340	3745	CCAACCGTGTGTTTTGGCCATCCAAAGCTTGGTCCATCAGGCTTTCATCCAGTCTTCTACAAGCAGCTCTTCTCTCGGCTTGTGACTTTTGCACCTTCTGCGCTCA	4
wt-107340-107460	3746	GTTCTACAGCCTGCGCATGTGTGACCCGCTTCTCCCGGTCTGGTGGTCAAGGCCAGGACAACCTTATCCCAAGGACACCTTCTTGGTGGTGGTCTTCTACTGAGCCCGTA	4
wt-107460-107580	3747	GTTACAAACCTGTACTGGGGTGCCTTGCCTGGAGAGCCTGGTCTTCTCGCTCAGCGTTCCTGGCCCTGGCAACAGCTTTTACTTTATGGTGGGGACATGGTCTGGGACCCGTG	4

wt-107580-107700	3748	AACCTCTTCTCATCTGCCCATTCTGGTACATTTCTGACGAGGTGTGGCTGGCCCTCTTCTGCGGCACAACCTTGGCTTCTACTGCGGATGTTTACATCGCTCCATCATCTGATC	4
wt-107700-107820	3749	CTGCCCTTGGTCAGGTACGAGGCCGCTTTTGTCTCCGCCAAGCTGCACACCACTGTGGCCATCAATGTGGCCATCATACCTATCTGTGCTCGGTGGCCATGCTCATCAGGATATGCCGG	4
wt-107820-107940	3750	ATTTTCAAAGCATGCGCCAGGGCACTGACTATGTCCCTGTCTCGGAGACGGTGAAGTGGAGCTAGAGTCAGAGCCGAGGCTAGGCCCTCGCGCACGCCATCACCCGGCGCAACCCG	4
wt-107940-108060	3751	CGCCGCTCTTACGTCTCATCTTCTCCAGGTCAACCAAGGAGACAGAGGCCCTCTCTACCCAAGCCCTCGTCTCCCTCGTTTTACCATGACGACGGACAGCGAGGAGGATCTTC	4
wt-108060-108180	3752	CCCTAATGCAATAAAAACTTAAACAACACTGAGGTTACTTTCCCGTCACTTTTCGGGAAACAGAGGGGAGCGGGGAATGGGTTAAGATAGGGCGAAGGGTGGGGTGGGTCAGAATT	4
wt-108180-108300	3753	GGGCTGGAAATGGAGGGGAGTGGCTAGTGGCCACCGGGTCCAAAGATAATGGATTGATGAAGCTAGGCTGATCGGTCGGCCGGTTCTCAGGGGTGTAGTGGGTGGG	4
wt-108300-108420	3754	CATTGCATATTTTGGCCGGTCTGTTGGCCCTTGGCACCCCACTGTGGCGGATCATCGTACCAACATTTTAAAGGCTCCGGCACCCAGTCCACAGCCACCGCAAGTCTGGCCCTGCCACC	4
wt-108420-108540	3755	GTTATGCCTCCCCCTTACCATAATTACAAGAGATGTTAGTTGGTTTTTATTTGGCAAAAACAGCAATTCATCATTTTCAGAGTCTCATCATATTTCAGGCCCTCGTTGGTTTTCC	4
wt-108540-108660	3756	CGCAGGCCCTCCCTTCTCGGCCGCTATTAGCTTAGTAGTCTCCAGGTTAAACTCCTCATAGTCAATTATACAGGTTGATTATTCGCCCGTCCACGTCGCCATGGAGTTGACTCGTCGT	4
wt-108660-108780	3757	CGGCAAGAGACCAGAGGGCACCCATGGCCGGTGTCAAAGTATTGTCTGCTACGCTTTCAGGAGCCAGCCGGTGTCAAGTCTTACGGATGACAGAGTCCGGCAGGACCACGG	4
wt-108780-108900	3758	GTGTACCAGCACCACCAGGGAATCCACCAGGCGTCCAGAAGCAGTCTGAGCCAGCTGCAGTCCGGTCTAGAGGCGACCGTTTTCAAGAAAGGCCGTCAACATGTTCA	4
wt-108900-109020	3759	CCCGGGTGAGCAGTCTCTCCGGGCTTGGCACCCCACTGTGGCGGACTGATCAACATTTTAAAGGCTCCGGCACCCAGTCCAGGTTGTTGAGGAGCACCCTGGTGAAGTATTGTGGGATGGGAGCTG	4
wt-109020-109140	3760	TGACTGGGACCCGCTTTAATACCAATGCGCCCGCATTTCGCTGGGTCCGTCATTACGTAGAGCATAGACTCCACCCCTGTTGGCAGCTAGGCTGTCTGCCACCAGGTCATGAC	4
wt-109140-109260	3761	CGGGGCCAGTTTGGCTTACGGACATCTTAAAGTCCAGGCCCTCATCTGCTCAACAGATAGTACCCTCCGAGGGCAACCGCCATCCGGGACGTACTCCACGGTAGGACGAGCTA	4
wt-109260-109380	3762	TAGAAATTGATAAATCTGATAAATGACCTTTCGATGGCTCTTGTAAAGCCAGTGTAGGATGGGTAGATGGGTCAAATCTGACTTGGAAAAGAGGTAAGGCGGCATTAATCT	4
wt-109380-109500	3763	CATAAATGCAGTCCGGTCCGTTGAACAGTATAAAGTCTCCCTGTGACTCCACATTGACGCAAGATCCAGAGACACCCCAAAATGCCATCCGTGGGACTAATCATAAAGCCAAATTGAC	4
wt-109500-109620	3764	GGTGGCGGATGCGTCCCGCAGATGAGCTTACAGACAATGCTTACCCTGTCTCACCCGAGGCCAAAGGCCACAGGTCGCCCAAGTAGTGAITTTGGAGATGGGAGCTGGCT	4
wt-109620-109740	3765	CAAACACCTTGGTGGTCCATTCTAATGGTGGAGAGCAGCTTGAAGAGGAAATATGCCATTCGCAATATGTCCACATCAGGTTCTCAGACTGCCCCCTGGTCACTGACTCCACGT	4
wt-109740-109860	3766	ACGAGCAGAGAACAGTCTCTGCTCGTGGTGGCCCTCTGTAGCCCCAGTAAATGGATTTCAGGGAGGGACCGTCTTGTCTCATTCTTGGACTAACGAGGAGACAAAGTACACAGA	4
wt-109860-109980	3767	AGCCAGTTTACCAGAGAACTCTTGTATTTGTTTACAGAGCAATAGAGATAGACAAAGCCGATGGCCGGCATCTGAGGTGGACGGTCAAGGTTACGGACAAAGGCCCTCAGTCTCCGGAC	4
wt-109980-110100	3768	TGCGGAGGAAGCGGGCAAACGTGAGGAGGTCATCTCCTCCATGGGATCCTCCGAGCTTACCCAGCTGGCCATCTGGACAAAAGAGTCGTCTGCCAAGAGTTCAGCTACCAGACCTGGA	4
wt-110100-110220	3769	AGATGAGGGTGTCAAACCGTGGCCAGAGTTGAAGAAAGTGGCTCCTTCAACCTCTTAAAGGCTCCGGCACCCAGTCAAGAAATGACTCATATGCTCCGCCGTGACATCCACGCAC	4
wt-110220-110340	3770	GGACTCTCGCCACACGAGGTGAGGCCATGTCTAAGTTCAGTTCACATCTGCGACAGCACCTCCAACGACACCCTTTGGGCTGCAAATGCAAAAAGTAGAGCGGGTGGATCGG	4
wt-110340-110460	3771	TCAAATCCCATGTCAGGTTGGGTAGGGATTTTGTGGTGGAGTACGAGGTCATGATACCATAGAGCAGCGAGTACCGAGCGACTGCAGATCCAGGCCAAGGGCCGTCTGCGCC	4
wt-110460-110580	3772	CCCACGGGGCCACACGCCGAGGGTCAAGGATGTGCCAGCCCCCTCAAGATGTAGCACTTGTCAAAGGCGAGAGGGGTTATAGGTGTCTTGGCTATAGAAAATGGTCCCTCTGG	4
wt-110580-110700	3773	CAATAGAGGCGATAGAGTCCCGGCCCTTAGAAGACTTAGCCGCACATCCAGCATCTTGTTCGGCTGTGGAGGGAAGCAGTCCCAATCAGTCAGGACCAGCCTACCATGCCCCAC	4
wt-110700-110820	3774	ATGGTGTGTGAAATCCACAGGATGTTGCTGGGCTAATGTCCGAATGGAAGAGCCGAGTCCGATTCAGAAAAGTAAACGGCATCTTTGAGGCCCTGAAAGCCCGCCAGCAGGGG	4
wt-110820-110940	3775	TCAATACTACCATCATGCCAGTGCAGTGGAGCTGATAGGTAAGAAATAGCTGTTTGGACTCAAACGTCCTCCTTGCCTGGCGCAGGGACTCTAAGGCACCCGAGCAGATGT	4
wt-110940-111060	3776	TCCTCGCCGTGGCTTCCCAATCTGAATCATGTACACACCATGAGCTCGTATACAGTCCGTCACAGAGTCATAGAGTTTACCGTGGCATTATCTGCATGTGCATACACGGCCCG	4
wt-111060-111180	3777	TAGCTCCCGCCCGCCAGCAGATACTCGCAGTAATGGGAGGTGATCACAGCCGCTCATGTTCTCCGGCAGCTTACATAGAGGGTCTCCGTGATGCATCAATGTTGGTCACTTACAGG	4
wt-111180-111300	3778	TGTTTGTGCTGAAAGGTGAAGTAAATCAATGACAGTCACTTCCCAAAAAGGCCCTGGTCTCTCGAGGGGTTCTGGGGAGACACTCAACTCGCCACTGTGGAGGATTCGTCGGGCTC	4
wt-111300-111420	3779	AACTCCGACGCATATTCACATCCATGTTCTCAAATGGCTCGAGGGCTGTGCGAGCTCGTCTGCGCTCAAGCTCTGCTCACGGAGCTCCACCCGCTTAGCTGCTTGTAGTT	4
wt-111420-111540	3780	GATTTTGGAAATGAGTCTTGGTCCGGTGAACACCCCTGATAGGTAGAAATAGCTGTTTGGACTCAAACGTCCTCCTTGCCTGGCGCAGGGACTCTAAGGCACCCGAGCAGATGT	4
wt-111540-111660	3781	AAACTGTGTTCAAACAGAGCGTGGTCCCTCCCAAACTGTGACGCTGCGCTCACAGCCGCTCTCTTTTACCGAGGCTCTTAGTTGCTGGGCCACAGATCTCGCTTAGAACTACTCAT	4
wt-111660-111780	3782	CTTCAATAGTCACCATGTCCGCAACTATGGAGCCAGATCATAGTGGGTAGAGTACGGTAGTTCAGTGGAGGCTCCCGGTAATTTCCACAGGGTCCACCATATATCTTTCTGCT	4
wt-111780-111900	3783	CTCCCGTTAGAATAGGCAAGGATCATAGTGTCCACCGGCCCTTTAATGAGCGTTTGGTTTTGTTATGAGCAAGCACAAAAGGCACACAGAGTATGCAAAAGGGTTCCTGAG	4
wt-111900-112020	3784	GCAGCAGGACAGCTGTTTGCATTTTATTCAGCGGCTAACGTCAAAGGGAGGAGTATATCTCACCTTCCAGTCAAGGACAGTCCAAAGTACAGGGCATAACACACCTGGTGAAGT	4
wt-112020-112140	3785	GTGCCAGGAATGCCTCTATGTTGGCACATGGTGTATAAAACCCGAGTGGGTAGCAGAATAGGGCCCTTTTGGCCGTCGCCGAGGCAAAACGCAGTGAAGCTCTTCGAGTGGGACCTGG	4
wt-112140-112260	3786	GGCCGTAGAAGAGGGCCACATCCAAGGGAGTGGTCTTCAGGCACAGGGAGGTCAGGTTGGGAGTGGGCAATATTTGCAAGGCCCTGACCTATAACCTCATCTTTGTTCCAGGCCA	4
wt-112260-112380	3787	GGCAATTCGCATAAGTCCCATCAAACACTCAAACACAGACCCATGCCATTTTCAGGCTGAGAGGGTCCATCCGGCTCGACCAACCTTGTCCACAACTGCCATTCTCTGGTA	4
wt-112380-112500	3788	AACGGGGTGTAGGGGCAAGAGCTCCAAAGCCAGGCTCGAGAACTCATAGTCACTCCGGCCACAGCCGGAGCTCCGGGCTCGTCCAGGGCTGTTGTCCTGGGGAGGATATTGG	4
wt-112500-112620	3789	ACACGAGCAGGAAGCTCTTGTAGTGGCTCTCCACAGCTTAAATGCTCGGGCTGCTCCGAGGCTCCAGTCCAGTCCAGACTGCCATACCTGCGGGCAGCATCGGGTCACT	4
wt-112620-112740	3790	CGGGCATATCGGCTTGGCCGTTGACCGGTTGACAGTGTATGCTCCGAGCCGCGGCTGTGACCCAGAACCTAAGAAACGCCCTTACGACGAGACAGCACCAGCAAGGCTGCCCTGGGTGCCG	4
wt-112740-112860	3791	AGACCCGAGTATTATGTACACAGGGCCAAGTCAAGAGGTTGGCTCACCCCTGTTGGTGGGCAAAATTCAGCCAGTAATTTATATTGCCAATGCTTCGAGCATACTGCCCACTATG	4
wt-112860-112980	3792	GCCCCAGGCCGTTGTTGAGCTTCTGATGAATCATTACCATGTTCCGGTGGAGCCCTGCCCTCACACCCAGTCCAGTCCAGATGTCCCTACTACCAGAGCTACGCGACAGCTTAC	4
wt-112980-113100	3793	AGCGCTGCTGCCACCACCAATCTTGAAGACTCCGAGGCCCTGACGGAATTAAGACCAGCGTGTCTCTGCCCGTCCATCCTTAGGAGCCCCAATTTTTGGAGATGAGAGATTTG	4
wt-113100-113220	3794	TCACCAGCCTGGCCAGCTTCTGAGTGGTCAAGCAAGCAAGCCCGCCGCTAGAAGCATTCAGAAACAAGTAGTGTACATCTTTTATTTTCTGATCTCAATCAAATCTTTAG	4
wt-113220-113340	3795	AGATTACAGACCATGTTGACATGTTCAAAGTGTCTTCCGATTTGGAAGAAATGACGCTGGAGAAGCTGCACATTTTAAAGCAAAAAGCCAGCGTGTCTTATCCCGAGCCGACG	4
wt-113340-113460	3796	GCAAGACCTGGATAGTCTGGCCATTCACAGCTCATCTCCAACTCCCAATGCTGCAAAATAGGCTACGTTGGCTCACAGAAACATGTCCGCTCCCGCTTTTCACTGAAATTTATG	4
wt-113460-113580	3797	ACACCTTGACCAAGAGCTTGCAGTCCAAGCGTGTAGAGGTCAACAAGGAGACCAGCACCATCAGTGTAGGCACAGTGGGAAAATCTCCAGCACCGTAATGTGTCCACCTGCTTCAATA	4
wt-113580-113700	3798	AGAATGTAAGACCTGACGTTTTCAGTACTTGGCAATTTAGAGCATAGCCCGGCTGTAAGGTCAGAAAATCGCAGCAGGGTCAAGGTTGTGCTGTACATGGGACCTTTTCCATTAGC	4

wt-113700-113820	3799	AAGAACCCTGCAGGACAGTGCATGTCCGGTGCATTTTGGTGGGTTAAATCTCAGTCCCACCACAAGGGGGCATCTCCGGTTTGAACATCAGACCAACAAGCCCGATGCC	4
wt-113820-113940	3800	AGTTATGGGTACGTAGTCGTTGTTACAGGGCGTGCATGGCAGCAGACAAGGACAGTGCAGATGTCCTGGCTATCGTCCCTCCGTCAGCCACGAGGATGTTACAGTGGGCCCGGC	4
wt-113940-114060	3801	ACCATAGCATGTCACACATTCGCCGTTATACATCTGGTGTAGCAGGTTGATAAAATGGGTGAGTGTGAAAGGTTGGCATATTGGGCAGCACATCAGCATGTCCATGTTAACGAAAA	4
wt-114060-114180	3802	CATGTACAGGGCCCTTCTGCATACCAGGCACCACCCTGCCAGTGGGATGATCTCCGAGGGTGTGATATCTGCAGTTCTTACTGTTTTAACGGCCGGTGTAGGTGGTAAAGACGTG	4
wt-114180-114300	3803	GGCCGTGGTCAGATCTGTGCAGGTGACTACAGGGTTACCCTAATCTCCACAGGACCCTCAGCCATGCATCTGAGAATACCCAAAGTACATGAGAGTCAAGGCTGTGTGGCCCTG	4
wt-114300-114420	3804	GACTGCCTTAGTGAAGAACTCGCCGCTGCCACGGTGGCTAGGTTCCATTTGATGTAGCCGTCACATAGGTTGGCTTCTTTGGCTCAGCACAATGAGGGTAACTCATGTA	4
wt-114420-114540	3805	GGTTTTAGGAGGTCGGCTACTCTAGGACCTGACACAGCTGTGACACGGCCGTTGGCCGTTAGACTTTCTCTGGGGCGTAGAGGCATCGCTCAGCAATGCCCTGACCAGGGCCAGGCACTCTTTGAG	4
wt-114540-114660	3806	GAACTTGCAGAGCTTCCCGGCTACTGTTCCGCGGGATGCCATGACGTGCCAGAAATATCCCTCTCCTCGGGGGTGTAGTGCCTTTAATAACAAGCCCCAGGCAGCA	4
wt-114780-114900	3808	TACCCAGGCCAGGCCCTTCTCATACAGCGGGTGGCTATCTATCCATAGGCAGGCATCCGGCGCTCTTTGGTGCATTGGAGATAGTAGCTTTACCCCAACAACCTTCCCAACTAACCC	4
wt-114900-115020	3809	GTGTCGGACAGTGAAGAAGCTTCCCTGATCAGGTCTGAATTTTTATAGTACGGGAGTAGGAGGTGGGAATAACAAGTGGGATTTCTTTGTTGTGCTGCCAGCCCTGCATGGCCAGTT	4
wt-115020-115140	3810	TTCCCTGAAGCTAGCAGAAATCTGAGGGCCATGAAATGAGGAAGCGAACTCCCTCTCTGGAGCTCCAAAATTTGAACCTCAGCAAGATCTGTTGTCTGGGAGGCATGGGTGACAG	4
wt-115140-115260	3811	AATAAATCTGAGCTCCCAACAGCCCTCTTCATCGTAAATCGAAGGGCGGCCACGTGGAAGGGTGTGAGACTCTGGAAGGCCCTCATCGCAGTACACTGGCACACTGGTAAACG	4
wt-115260-115380	3812	GACGGTCTTAGAGAAAGAACAGGCACCCTCGAGAGTGCCTCCGACCCGACCCACAGTGCCTCCAGTCCCTGCTGGCCCTCCGCGCTTCCCAAGGGCGTGCCTCCGGATGTTGC	8
wt-115380-115500	3813	TGGGGTTCTCGAGGGCTGGTGGTCTTGACACAGAGGTTCTAGCAGCGCCTGGTCTGGCCCGGCCCTAAGTCTGAGCCCGAGCAAGGGCCGGACTCCAGCGTGGCCAAAC	8
wt-115500-115620	3814	TCTGCTCCCTCTATTCTCCTTGTGCTTATCTCAATAGAAATTTGCTTGTGAGTACATCGTTTAGGGTGTGACCTGGCCCGGCCACCGGCATATGCTTATACCCGCCCTCCGG	4
wt-115620-115740	3815	GGGGCCAGGATCTATAGGTATGGGCTGCATAGCCGACGACTCCTGGACCCAGAGCCCTCTCTGATAAGATGCCCTGGTGTGAGAGCCCTTTGGCCCTCAAAGAGAGACAGT	4
wt-115740-115860	3816	AATAAATCTGAGCTCCCAACAGCCCTCTTCATCGTAAATCGAAGGGCGGCCACGTGGAAGGGTGTGAGACTCTGGAAGGCCCTCATCGCAGTACACTGGCACACTGGTAAACG	4
wt-115860-115980	3817	TGCCCGATGGTAGGCTCCGGGCAGCATGCCCGAGCAGCAACACGCGGCAGACCCCTGAGACCCGTCGGTCACTGAAGAGAGTGTGCACCAGGCCCTCGCAGTTTGGCA	8
wt-115980-116100	3818	CGCGATTGGGCAAGGCTCTGCATAACCGTGTCCGGAAACAATAGTGCACGAGGAGGGGGTCCCGAGGCCACTCAACACTTGGTTGTAATGTGGACATCCATAGCTCTCTCATGCG	4
wt-116100-116220	3819	TTGGCTACAGCATCATAGCGCTTTTCTGTTGATTTAAATAACAGGGCCCGGTAGACAGTCTTTTGTGAGTAAATAGAGATGATGACATGGATGTAGAGACTGAGGACCACATCCAC	4
wt-116220-116340	3820	CACCTTCTCGGAGGAGGCCCTTAACAGCATCAGGCAGCAAGGGAACAACAAGGAAACCAGGGCCGGGATGTGAGGCCCTCAGCGCCCTCTCTGATCAAAGAGGGCTCGCTGACCC	4
wt-116340-116460	3821	GGAGATGACATTTCTATTACAGAAAGTAGTGTAGAGGTTGACACAGTCTTAAACCAGGCCCTGGACTTGTTCAGGCTCCCATTTGCTCCGCTGGTGTGTCTTGTGCTGATCTC	4
wt-116460-116580	3822	GGTCCAGGCCCTCAGCGCCGGCTGAAATCGCGCCCATGTAGTTGCTGTAAGGGCGCACACCACTCCCTCATGGTCTCAATCAGGGTGCCTCGTGGATCCATCACATACGTGGTA	4
wt-116580-116700	3823	CTCGCCACAGCCAGCAGGCAACACGGAGCCATGCTCTCAGGTAAACGGAGATGGAACCTCAGCTTACTATACGAGCACAGGTGGCAGGATTGGGCTCATCGTCCCGCTCC	4
wt-116700-116820	3824	CCGCGGAGGCTCAATCGGCCCTTGTCTGACATCCACCCCGGCCAGGTCCAGGAGGGTGCATAATTTCTCCAGCGCTGCACCTCAGAGACCTCTGCTCAAAGAGACCTCCACC	4
wt-116820-116940	3825	ACGTAGACCGGGCCACCCTCCGGGAAGGTCAAGTGGGGTCCAGCTCAGCAATTTCTCAAATTTCTCTCCCAATAGTGCCTCGCTTCTATCTGTCTTTCAGAGCATCCGGGGCA	4
wt-116940-117060	3826	GACATTTCACTCTTGTGTTGTGGACGAGGTAACCTTTATCAAGAAAGGGCCCTGCCGGCATCTGGGCTTTATGCTTCAGAAAGATGCCAAGATTTCTCATCTGCTGTGAAGCT	4
wt-117060-117180	3827	GGCTGACAGGCCACCAGCTTTCTTATAAGCTGAAGGATGCTCAGGAGCGCTGCTCAACCTGGAAGTTATGTGTCTCAGGAGCATCGGCAAGATTTGACATGCAAGGACAGCATGGT	4
wt-117180-117300	3828	CTCATGCCCTGCTTTGCTGTCACATCCGCTCTACATCACCATGGACAGCAACATCCGAGCAACCACCACTCTTTCTGACGGGGCTTTAGCACCAGCTGATGGGTGACACCTC	4
wt-117420-117540	3830	CGTGTACGTTGATCCGGCTATACCAACAACACATCCGCATCAGGCACCGGAATCGCCCGGTGACTCAGCACAGGGCGGACCCTAACAGGGTTCATGCTCTGGCCGGCAACTTCTT	4
wt-117660-117780	3832	CAGCAGTCAAGGACTGCGGGTGGCCATTGCCTCAATCATTGGGGAATCCTGCCCTCCCTGCGCTTCTGTGCACCAAGGACAAGACGTCACGCTGCAGTGGCCATGTACCTCT	4
wt-117780-117900	3833	GACTAATGAGAAGTCAAAGGCTTTGAGAGGCTCATCTACGAGTGAACAGGCCAGCCTTTCTGCCAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAGTCAAG	4
wt-117900-118020	3834	TCTCATCTCCAGATCAGGGCCATCAAGCCATCCCTCTCCGCGCAGGTACCTACACCTACACCCGCAAGCAGCCCACTCTCTGACGACGTCGCTGGTGGCTAGTCAATGGCTATT	4
wt-118020-118140	3835	TCTCGCAACAACAGAACACAGCTTCAAGAAAGTTCATTAACCTTTATTGACTACACCAGTCCCTGTAAAGCGACGGGTCTCGCTGACGGCATTCTGTAGCAGGGCTTCTGCCAGG	4
wt-118140-118260	3836	GGCTTGTCTTGGCGGACATATTAGCCAGCCGAAATATCAGAATTAGCATCAGAAAAGTAGGCCCCACAACACCAAGTGTCCAGAGAGGAAGCCGTAAGATAAAGATGGCTGCC	4
wt-118260-118380	3837	TCATCTGGAACGGTGGGAAGCTCAGCAGTTGTTTTGTGGCATTGGACGTCCTTTGGAGGACAGCGTGGGGCCAAAGTGGTAGCGTTGTAATACGGGTAGTACACTGGTGGTAG	4
wt-118380-118500	3838	GAGGACCTGGTGGTACATTGCTAGTACACCCGTTGAGGTTCTCTCCGGCTCGGTGGCAGTGTCTGTGACGTAACCTTAGTGGTACATTTGATGGTGGATGGCTTGGAAAGTT	4
wt-118500-118620	3839	GTTGGGACTGGTGTGACAGTTGTCCCAAGTGAATGTACCCGTTGTTGTTGGTGTCTCAGAATAGCAGTTGGTTATAGGGGGCGCTAGTCTGGTCAAGGTCGAGACTGGTTGTGCTA	4
wt-118620-118740	3840	GGACCCGATGCCAGCGGTGATGGTGTAGTACAGCCGTTGTGCTGTACGTTCCCGCCGAGGGCTCGAAGTCCCACTAGATGTCCAATAAAGCTTGTCTCACAGATGAGTATCATG	4
wt-118740-118860	3841	GCCATAACAGCGCTGCCCTGTCTGCGGTGTGCCATCGCTGTGGACGAGAAAGGCTCCCGGCTCTTTATAGTGTCTCCACACCAATCTACTGAACATCACATACATG	4
wt-118860-118980	3842	ACCTCTCGAGGTATGAGGGAATGAGCGGTCGCTGAGCGGTTCAACACGACATGCTTCCGTTTCATGCTCAGCTGCCCTGACCAAGTAGGACCTTGAACGGATGCTTTAACGGC	4
wt-118980-119100	3843	GCGGTGACGTTGGTCAACCAATGACGGCTAAAGGCCAACACATCCTTGAAGCAGGGCGTAGGAATGGTACCAAACTCGGGGCCACCCCATCAAGACATAATATGCTCATAGTGGCAG	4
wt-119100-119220	3844	TGATGATGCATCACACACAGACTCGCCAGGACCTCTGCATATCTGTACAAGGCGCCCTTCAACTCGGCCATGGCTCTGGTACGTTAAATGCTCTTCTTATGATGCTGACGCT	4
wt-119220-119340	3845	TGTAGATTTGGGCACCCAGACTCAAAAAGTGCAGCTACATGAAGGGGACCGCCCTCAAATCCACCATGACCCCATGGCTGCTCCGTTGTTGGGGTAAATGACATGTTAATGACC	4
wt-119340-119460	3846	ACGGCCGGATAAGGGTGTAAACCTTGCAGAATGGATTGGTGGACACCCATAAGACAGGGGCCACCCAAAATCAGCCCTTACCCGAGCACCTTGGCCCCACCGGCATAAAGCTG	4
wt-119460-119580	3847	GGCAAAAAGAGTGGTTAAAACCAAGGCGAGTAGGGCCAGGAACGCCAAAATAGCAGCAGTAATAGATGAAAACAAGCTCAGCATGAAACAGCGTGGAGGCTCAGCTAGGGTCTCTGCC	4
wt-119580-119700	3848	TCTCCATCAGACATCTTCTTGAATCTCATTCTCTCACCCGATACCTCGCTCTCAGCATCCAGGAGGGGGCTGAGCTGCCATTCTACCAGTTAACGAGGAGAGAGGATGTCGGC	4
wt-119700-119820	3849	GAAATGTGCCCCCTCTGCCCTCTGACGAGGCGATGGTGTCACTCATCTCCGAGTCCGTTCTTCCAGTGGTGGATTTGGCATTTGGTCCGGTCCGGTGGTGAATTTGATTTGATCTGATCTGG	4
wt-119820-119940	3850	GTAATGGTCTTGGTCTCTCCCTCCCAATTTGGCATGGATTGGCATAGGTGG	4
wt-119940-120060	3851	GAGGCCCTCCCTCCGAGGTCGTGGGGCCGAGCCTTATAAAAGACTTCCACCTCTCCCGCTGGCCAAGACACCGCTGTGACACCGCATCTTCTCCCGCTGATTGTGTGG	8
wt-120060-120180	3852	CTGACGGTGGCTGTCCACCGCCACTTGTTCATCGACCATGGTACCCTTTATCTTAAACAGCAAGTGGCCGTACAGGCTCTTGTAGAGTATGCCGCTGTGGCCAAGCGAGGCCCAA	4

wt-120180-120300	3853	ATTAATAGTATGATGCCAAAGACTGTAGGTAGGTCATCATCACACGCATCGGTGATAAATCATCCGCCACTGACAGGTCATCCAGGTCATCCGGGCTATCTCATCCGGCACCATTTCCTG	4
wt-120300-120420	3854	GAAGAGATTCAAGAGGTCGTATGCTCATGCCGGATAAGGCCTCGACCAGGCGCATACTGCCCTGGCAGCAGGGTCACCATGATGCAAAAGTAGAGACTCAGATTGTCCAGCAGGGC	4
wt-120420-120540	3855	CAAGCCAAGGGGCCCTGGCACCTCCGGGAGGGCCAACCTCGTAGTGGTCCCCAGGTATGAAACAGAGCCAAGATGCATGTGTACATCGAGCATGTCTGGTCCCGGAGCCTGCATGAC	4
wt-120540-120660	3856	AACCCGGGAGTACACGTTAAACAGGAGAATCTTCTGCAGCACCTCCTCTGCTATGGCGTAGGCAGCACCATTGGGAAAACAATGCCACATCATGGACTCTAACTTACGGTGGCATG	4
wt-120660-120780	3857	CTCTCGTCCAATACCGGGGGCAACACTGAGGCTCCCGTCCCATGCCACTGGAAAAGGGCTGGTATGTTCTTAATGGCGTAGGTCGACCTGGAACAATCTTGGTGAGATCAAA	4
wt-120780-120900	3858	ACTGTCCACGCTAACCTCATCCAGCAGCGCCAGGTGCAATCAGACAGTAGTTGTACATGGACAGTCTAGCCGGACCGTCTTAGAGAGTACACCTGACCCAAGCCCAATCCCTGCAC	4
wt-120900-121020	3859	ATTCTGCGTCCCGTAGTGGAGGAGGTAAGTAGCAGCAATCTCTGTTGATCTTGCATCTGCGAATCTCATCGGTGGAGAGTTGAAATAAGCCACTACCACTTTCAAATCCATCTT	4
wt-121020-121140	3860	TATTGACAATTATCAAAAACCACCTTATTTCCAAACTTTAATTTCTTCGTACCGGCCACCTCTTCAATTATATAGTGTCCGTAATGGATGGGGCGTGGGTCTGTTTGACAGACAT	4
wt-121140-121260	3861	AAACTCATCGATGAGTGCCTGGGAGGAGGCTGAGAGTGCCTGGGAATGCCTCCTGCAGAAAGCTCGAGGGCTGCTCCAGAAAACAGTCACTGCCAGCAATCACTACAACTGCACCTCTGT	4
wt-121260-121380	3862	GTTGCTGGTGGCTGGTGCCTCCAAGTCGCTGGCTGTACTCGTTGACCATGTTGTAGAGTCCCTGTTGTTGCCGAGAAGCTCCCTCTTGTGAAAATGCCCGCAGGGGCTGTAGAG	4
wt-121380-121500	3863	GCCCGGACGCGCTGCGCATAGGAGGAGTTGATCATGATGTCACCCAGAGAACCAGTGCATGATGCCAGGGATTACAGTGTCTCCGATTCATAGCCGGCATCCGGGCGAGAATG	4
wt-121500-121620	3864	GTCATAGATGAGCCCTCGGCAACCTCTGATTGTAGTATTTTCCAGAGGACCCACACAGCTGGCCCTGCCCTGGAGAGTTGGAGTTTGGAAATAAGCCACTGCTCCCGTACCCGTTG	4
wt-121620-121740	3865	TACGATAATCTCACAGGTGGCTGCTGGCCGTGGCAGAGTCTGGAGCTCCATTAACTAGTCATACCTGCCAGTATGCTCTGGGGTCCGAAAGCAGCGTCCCATTGCGCTGAGCGCC	4
wt-121740-121860	3866	CACCTTGGCCTTGTATGATGACTTGTCTGGTTGCCAAAGGCCTCGGCCGAAAGACGCTAAAGAAGTCTTGGGTGGGATACCATGTCAGTAGTGTAGTGGCCGACCCCTGGCCGG	4
wt-121860-121980	3867	AGTCATGGTCGAGCTATAACTAAGCCCGGTGTCATGGAGGCCATCTCGTATGCACCTCAAAGGTTACCGCTCCACCCTGGCCTCCCGGCGGCTAACTTGGGGTCCCAATGAAAT	4
wt-121980-122100	3868	GGATGTTGAGGCCCTGGAGCTAAACAATATGTTTTAGAGAGGATCTCATCGTCTGACCACGGTGCATGGCCACCCTGGTGGATCTTGGCTGGCCTGGGCAATATAGCCATGGG	4
wt-122100-122220	3869	GGACATCTTGATGTCATGGCGGTATTCCACTGATTGAAACAGGGAAGGAAGACATTCGCGCCGCTATTTGCCATGGGCGAGCGGTGCCACTCCCGTACTCGCAAGAGCTGCTC	4
wt-122220-122340	3870	TGGCCGGTGAAGGCTCCACGGCCCGCTGCTGAGGATTGCGCATAACAAAGTGGCAACATCTGGTGCATGGTGGCAGCCACTCGCGGGTCCCGTAAAACATATGAAAGGAATGGC	4
wt-122340-122460	3871	GTGAAAGAGACTGGGTGACGGCCGGTCTCTCGGAGAAGGCAAGGCCACCAGCCGTTCAACAAAACAGTCTGCTCTGTCCGCTTGTGCGCGGATTGGGGCCAGCTGCTGCGT	4
wt-122460-122580	3872	AACGTCATTGTCCACCAGACACCCAGCCAGCGGTGAAAGTGGGCGAGTGCATGAATGAGGCGCTGAGTCCCTGATCATGCCACCGTGGGGCGGAGGTCGGAGATCCAGCAGATC	4
wt-122580-122700	3873	CCTGAGCGTCCCAATTTCCAAATGTCGAGGATGCTCCTGCTCCCTGGTAAATGGTGGCTGAAGGCTGGCCCGTGTAGGCCAGGGTCTGGGCCAGTGTGAAAGTCCACCCCGAGGCC	4
wt-122700-122820	3874	GGACATCTTGATGTCATGGCGGTATTCCACTGATTGAAACAGGGAAGGAAGACATTCGCGCCGCTATTTGCCATGGGCGAGCGGTGCCACTCCCGTACTCGCAAGAGCTGCTC	4
wt-122820-122940	3875	TCCGTTAACCCGGTAGCCGTACAAGGCCACAAATTTGGCAGCCATCTCATCCATGTTTCAACCCCTCAATAAACTGGGCGCGGCCAGGGTGTACAGCTAAACCTCATTTCGATAAT	4
wt-122940-123060	3876	AATCTGGGGGCCCGTCACTAACGGTGAAGAATGGTGAATAATGCTGTGATAGGCCACCGGGGGAGCAGGTTAGGGTCCAGGAGAGCCAGACATACTGACCCAGCTCTCATCCCC	4
wt-123060-123180	3877	CACAACATCTGACCCGGCCAGCGCATCAGGGCTGCTCTAGGGCTATAAGTTCCCATAGATTTTTCTATACATGGAATAGGCCCTCCTTGGAGATGGCGTTATTTCCAGGTGGCGGCA	4
wt-123180-123300	3878	GATGAACCTGATCATGGAAGGCTGTTCAAAAGGCAAGCCCTCCCTGACCGTCCAGTAGGTTGATGCACAGGGACACCAAGGCACGTTGATGACAAACTTTTCTCAAAACCCGTG	4
wt-123300-123420	3879	GATCATAGCCTCGACTACGTAGAAGAAGGCTGGATAGGCAGTGTATAGGCAGTATCTGCAGACTCAATAACGGCCTGATCCACCAGTGGGCCAGAGATGGCGGTCTCAAATG	4
wt-123420-123540	3881	ATAAAGGGGTGACGCTCCAGCCGACAGAGGTATAAATTTGACGGGTGGAGGAAGTCTTCCGTTGGGAGCCGCTGATCGGTGGGAGCTTGAAGCTATATCTGTCACGGGGGCTGCATACTT	4
wt-123540-123660	3882	GAACCTGTCACAATAACAAGCACATTCATGTGATTGGGCCCTCTGTTGCGAGGAGTAGGTCCTCGCCCTGTCTCGGGGGCCGGGGCCGCTTGGGCTGTTAGGGTATGGGCGGG	4
wt-123660-123780	3883	TGTGTGGAGTCGGGGGTGACAGAGAACCCTTGAGAGCATTCTGTAGGTTAAACGCGAGGAGAAGTTATCTTGTGTTACGATCCATGCTCCACCCTGAGTGTGTGGGGTGTCCAG	4
wt-123780-123900	3884	CATTTGATGGCGCGGAGGTCGTACTTGGGATTGGGCATAAACAGGCCACTGGGAAATAGTAGCTGTACTGCATTCTTCTGTTGAGGGGGTATGGGGACTGAGTGCATTGTACAT	4
wt-123900-124020	3885	CTTTGACGGCTTTCCACGGCCACCGCTGTTGCCAGCTTGTACGGCGGCTGAGTCCGACCCGGGCTGATCTCGACCCCTGCCGCCACAGCCGGCAGGTCAGACTTGGTGTCT	8
wt-124020-124140	3886	TCCGGCTTTTTCCGGTGAAGTCCACGATCCTAGCCATGAAATGCTCAAACGTACGCATCACGCGCCCGTAGCTCACGGCAGTACCAGGTTCTCCCCCGTACCACAAAGGAAGCATAGCT	4
wt-124140-124260	3887	CGAGGGCCCCATAATCTGGTTGTCGGCCTCTCACCCAGGAAGTCAAGAGCTGGCGCAGAAGCTTGTGGTGAACAATAAACACCCCCCTGAGTCTCCCCCTTGGCGTCTGTGTA	4
wt-124260-124380	3888	GGTACTGACCCCTTGGACAGCTCTCCCCGGACAGCGCGCTACCATCTCAGAGAGAGGGCTTCGCAGCTACTGAGAAAACCCGGAGCCCATGTTCTCGGCCGGTCCAGGAAGAAGGA	4
wt-124380-124500	3889	GTGCTCCAGCAGATGCCTTTGAACATGGCAATGAGTGCAGACTTGCAGCTTGTGAGAAACCCCTCTCAGTGAAGGTGGGATCCGCCAGGGTCTGCAGGATAAACATGGGAGGGGATG	4
wt-124500-124620	3890	GCGAAGCTTACACTCAGGACGGTGAATGAGGCCCTCTCCAGGGCATCGACCCAACTGTAGGGCCGAGGCCAGGCTTTCAGAGCCCCACGACTCTGCGTACTCGACCCGGGT	4
wt-124620-124740	3891	CTCGGGGATACTATGCAGGATCTCCAGATCCAGCATGGACAGTTCATTTCCGTAATAATGTGGTGTGTTGGCAATTTTTGACCACAATGAATGTCCGCTGCTTGGTCTCCCTCC	4
wt-124740-124860	3892	GTCCCGTGAAGCAATGGTGGGACGGAGATCGAAATGAATCTTCCATCCGTCATACGACTCAGGCTTTGAATTCGGTGTTCACACAGGACACGGCCAGTCCCGTCTCCAGGAAGCG	4
wt-124860-124980	3893	AACATATTTGGATGGCTTGTGTAGACCCGAGTAGCACCTCAAACCTGATGCCCGCTCTCTGGCATCTTGGCCACCAGCAGGTCAAAGCTATGAAAACACCCCTCAGCCGCTGACTG	4
wt-124980-125100	3894	CCGCAAGTTCGAGAGCAGTCCGCATCCACCCTCAGATAGGGGAAGGGTCTGTTTTCCACACCTCATTGAGGCCATGACACAAGGTAAAGAGGAGATGGGGGAGGCTCTCAGGGGCTT	4
wt-125100-125220	3895	CTCTTACAGCTGGGTCTTTTACGCCCTGGCTGCAACCCGACGCCACCCACACTTCCGAGGATGCTACCTTCTAATCAAATGGTTGGACACGGCCCTGGGCAGGGAGGCCACTT	4
wt-125220-125340	3896	TTACGCGTGTGGGCTATGCGCTTCTACTCGCGTATCCGAATGAATGACTGCCAGGAGCTGCCACCCGGTTAATAATTTGAGTCCGGGACCCCTCCCTGGCCCTTGGAGT	4
wt-125340-125460	3897	CCAGAGTCTGGAGCATAACAGACTGCGAAATATGGTCTCTGCCACCTGACCAGCTGCCACCTCCCGGTGCCAGGGTATCACATACACCGACTGCCGGGTTCCATAAACACGAG	4
wt-125460-125580	3898	CTCAATGTTTCCGCTTATCATCGCTACTTGTCTCATACCAATTTGAGCGCTGCTTCGAGCAGTCTCGCCGCTGGTCCCGCTGCTTCTAGGGACTGTAGCGAAACTCTGCAAA	4
wt-125580-125700	3899	GATGCTGCTCATCTGAATCAGGTTACCAGGATCCCCCTCTGCGGCCCTCAGCGGGCGGAGGCCAGACTCAAGTCCACTTCTTCTCCGAGACATTCATGCTGTATGGCCAAA	4
wt-125700-125820	3900	CAATGCCACTCCGGGAGATCAGGACAGGGCCGCCACCACTCACCCACCCACACTTAGTGGATCTGTACCTACCGCTCTCCGAGACCCCACTTCTGACACCGCAGCGGTGC	4
wt-125820-125940	3901	TCTATACCGCTTGTACCTGTGCAACTGCACCTGCCCAATATCTCCATCAGCAGTCAAGGCGGGACAGACCGGGGACCTGGAGATCATTACAGAGTAACGGCGAGGGAG	4
wt-125940-126060	3902	GCCCGCAGCTTCCAGTTCCTCCTCCCAACTGGCTCCCTATTGCGATGCATAGTTGCTGCGTCCCTGCTGCCGGAGGTCCGCTGGGGACCCAGGACTGTCTCCGCTGCGGTCAG	8
wt-126060-126180	3903	AAGCCAGGAGGGCAGACGGATGTCAGGTCGGGCCCGACCCGCGCCGAGACTGGTGGCCCTCTGCGAAGGGAAGATGGGGCACCTAAAGACCCCTCTGGACCGTTTGGACACCC	8
wt-126180-126300	3904	CCGGGGGCCCGGCCCGGCAAGAGCGAAGACGAGGAGTCTGAGCGTCGAGACGCCCTCCACCCCGCTCGATTCCAGCTTCCAGCTTCCCGGTTGGTCCCGTGGGGCTGGGTTTCG	8

wt-126420-126540	3905	CCTGTCGTGTTCAACACCAATCGGGTATCAACACTAAATTGGTGTGCTCAGAGCCCTGGTGAAGATGCGAGTTTGAATGTCCCCGCGCTCATCAACAACTTTGTAGCCGCAAGTA	4
wt-126540-126660	3906	CGTGTGAAAGAGACGGCGTACCCTCAGTCTATTCTTTACGGACGGGGTGGGGGCCAACCTAGCCATCAATGTCAATATCAGTGGCACCTATCTAGCTTCCATTGGCCATGACGTC	4
wt-126660-126780	3907	ACTGCGGTGCTTCTCGCTGTGGAGGCTATTTATCCCGCGCCGTGTCAAACCTGGAAGCTCAGTCTAGATCTCCATGGCTGGAAATCAGAGCCTAGTCAGAGAGAACCAGCGGGGT	4
wt-126780-126900	3908	CTTTTGACTACCAACTTTCCCTCGGTGGTGTCTGCGGGGACGGTCTCAACGTGTCTGTGTTAAGGCCCAACTGCCACCATATCTCGAGTGCACGGGAGACATTGGAGCAGCACCT	4
wt-126900-127020	3909	GATCCGTGAAATCACCCCATCGTACGCATCGAGAGCAAAAATCTCCCGGATTAACCCGCTCTTTACCTCGTAGAGCTACGCAATCGGAGTCAAGTGTGCACAAGCG	4
wt-127020-127140	3910	TTTTCTGGAAGCGCTGTAGACTGCGCTCCCTCTGCGCTGGATCCAGCTGTATCAACCGAATCGCTCCGAGGCTGTTTGTATTTCCAAGAGAAGCATCGCCACTCCAAAA	4
wt-127140-127260	3911	CCGACACAGTGCAGCTTCTGAGTCCAAACATTAAGCCCTCTCGCAAGCTATGATAGCAGAAAGCTGTAAACGAGCGCAAGCCCGCTGGACATCTGGCCGTAAAGCTATTTTAAACGAGTG	4
wt-127260-127380	3912	TAAGCATCAGTTAATCTAAGACAGTCACTATTTTCTGACCCTCTGAGGCACATCCGCGCAGCTGTGGCCCTGGCCGCTTCCGTAACACGAGAGATTACCTTCTCTGGCCCA	4
wt-127380-127500	3913	CCTGCGCAAAAAGACAGCCCATCCACTGCGGTGATGCTCAAGTGAAGCAGCCGGGGCCGCTTCAATCAGGGGCGGTGCACCTGCCATCGGACAGATTGCTTCCACACCATCC	4
wt-127500-127620	3914	ACAGCCCCACTTTGCCTCGCGCTGGGACTGCCTGGGAAAAATGTACCATCCCGCCCTTCTCCGTGCTCGGGCTCAACGTCCTGAGAGCCTACCATGACCAACATGAGGGCAC	4
wt-127620-127740	3915	CGATCATCTCGCTGGCTGCCTCATCTGCCCCCAACCCCTATATCTAGAGGGACAGCTGACGGTGGCATGACACAGGACAACGCCATCCCGTCTTTTGGCCAGGCTGTCAATTG	4
wt-127740-127860	3916	AGGTAACAGCGGGCTGAGTCCAACTTAAGCCCTCTCGCAAGCTATGATAGCAGAAAGCTCTGCTGCTGAATCAGACTCGCCCTTTTCCGCATCAGAGCACCCCGCTTCCATGG	4
wt-127860-127980	3917	TTGAGTCCGTAACACGAGTCCGGTGTGATGAGGGAGCAACACCCGGCGCACCATCCGGGATTTCTGGAGATCCCGTACTGTGCTCTCATCCCTGCAACTGTCTCCCAACAGTCCA	4
wt-128100-128220	3919	CCGCGCAGGTGACCAAGTGTCTCATGCCAACCGCTCCCAACTCTTAAGGCTGGTCCCAATCCGGACTGTGCTGCTTCCAGCATTGTACTCAAGCAGTGTGCTAAAGAGTC	4
wt-128220-128340	3920	TGAATCTGGAGAAATATAGTGCAGGACTTTGAGGCCATCTTCACTCCCGTCTGATACCATAGTGAAGCTGAAACCAAGGCTTTGAGAAGCTGGTGGAGCAAGCAAAAAACCGTAG	4
wt-128340-128460	3921	AGAATAGTCTTTGCCTCAACAGCATCTGTCCACCTTACACTCCAGATGTCTGCCCGATGTAATAACCAAACTTAGCCTGGCTCTAGAGAAGTATTTTCTCATGTTCCCTC	4
wt-128460-128580	3922	CCTCAGGCACATTATGAGAAATGTAGATTTCGCCACCCCATCTGCTCCGGCTCTGTGCCAAGGGGCTGAGCTTGGCCATGGCACAGTTTCTAGGAAAGTACATCAAGGTCAAGGAGG	4
wt-128580-128700	3923	AAACTGGAATGTACACACTGGTCAAGCTTTATTACCTGCTGCGCATCTAAAGGAAAAACATAACAATCTTGTAACAGGAAAGATACCCAGAGCAAAAGCAATAAAGTACAGGATTATTG	4
wt-128700-128820	3924	CCAAAACACGTGTGCTCTTCTTCATACAGGCCGCAATTTCCATGACAGTCCCGTGGTGGTCAAGCAGCAGATAGTGAACGTGGAGTTGTCAAATCAAAGTGTGGAGCTCAAGA	4
wt-128820-128940	3925	TGGAGTTTGGACTTCTGGGAGGTGATGTAGTTGTAGTTTCCAGGCCTTCTTTTTCATCACTAAGTGCAGAGGCAAGCCAAATAAAGTGCAGGATTTCTGCTCCTGGTAAATTTCT	4
wt-128940-129060	3926	GGATCTTTGGAATCTGGCGGGCTCCCAAGCCACAGCACCCCTGCGAACATTTATTATAAGCGGGGAGAGAAAGAGAGAGCTGCTGAGATAGTGGTGTGGCTCGTATAGCGCCG	4
wt-129060-129180	3927	AGCCTCGGACTCAGGCTCAGAGATTGAATGTACATTGATGAGCGGGATAATCATCAAGACTTTGTGAGCCTGTCCACGATTTGTAGCGGGGAGATGCCACGATCCCTGT	4
wt-129180-129300	3928	CTTCTCGTCCAAAGAGAGCCGCCAAAGAAACCCATCCACAGCATTGAAACGCGCGCTGTCCAGCTTGCCTCCTGGGGGCCATGCTCAGCAGCTTGTCTCGTGTGAGGTCAAATC	4
wt-129300-129420	3929	GTAGGCTGAGGTAGCAGGTGAGAAGAGCCGCTCTGTGCCAGGGCTAGCCCGCAAAACCTCCCAATCTTAGGGCCGAGCACAGGGCGGTGGACAGCAGTTGGTATAGGGCAA	4
wt-129420-129540	3930	GGTTGGGCCCTGGGTAGTACAGTTCAGCCGCAACTCGCGTAGCACCAGTGGCTGCCGATAAAGAGGGTCTCTCTCATCAGGATGACAGGGGCTGGAAAGGGGGTGGCGGTTGATAGG	4
wt-129540-129660	3931	CCGAGAGAAGCAGATGTGGCGCTCCAAATGAGGCCACTGTAACCCCGGCTTGGGGTAGCCGACGGTGGTAACCTCAGCGGCTACTCTGTTTCTCAGTAGTCAAGTGACCCAGCT	4
wt-129660-129780	3932	CCTCCATCTTGACCGTGGCCATCAGCATGCGGGCAAGGCTCCAGCCGTAGGATTGCATGCCCTTGACAGTGGCCCAATAACATATGCCGATGATGCTTTTCAGGACAGTCAAGTCAA	4
wt-129780-129900	3933	AGAAGCTCTTGCCCAACCAAGCGGAGGTCCACGACGCACTTCCAGGCTGACCTTAAAGAGGGCCACAGAAACCTCAAACTAGGATGATGAGTCAAGGCTTCCCGTCCCA	4
wt-129900-130020	3934	GTTCCGGCTCCGGCAGCCTCCCTTCTCAGCAGGACAGTCTTCTGGAGAACGTAGCAGCGTGTGCTGGCGCTGTGATGGTACGGCTCGGGAAACATATCTTCCAGTTGGGTA	4
wt-130020-130140	3935	CAAAGTAGTTGAAAGTTGGCATAATGCACAAAGTTGTAACAATCACCAGGGAATAGTCCCGCTTTGGGCATGGTTAAGGATGGGTAACATAAAGGCCCCCTCAGATCCGGCAGGT	4
wt-130140-130260	3936	CCTTCGCTTGGCCAAAGACAGGCTCAACACATGCTCATCTCCCTTCTCGGTCACTCGCTTGTAGGTGCCATCAGAAATTTAGAAGTATGCCCCCGTGTACTGAAACTGTCCCCGT	4
wt-130260-130380	3937	TGATGGACAGGGCCACATAAGACAAGTACAGCCAGCTGATAAAGACATAGCTGTGTGCCCGTGTGGCAGCATGGTCCAAATATAGTAGAAGAGCTGCTTCTCAAGGGGGGCAC	4
wt-130380-130500	3938	TAAGCATGACAGGCGGGAATTCAGCCGCTAATGACTCCGGGATGGACTTAGATGCATCCACTTGCATGGATCTTCAGAGACAGCAGGGAATATCGACAGGCTCGCCAGCGCAATAC	4
wt-130500-130620	3939	CAAGGGTACCAGAGCTTGTAAATTAACCTGTAGCGGTTAAGCATAGACGCCAAATCTTCGGTGACATTTGCCTCTCCACAGCGCTCTGGGCTAAGGCTGGGACCTTGGCATCA	4
wt-130620-130740	3940	GTTGGTCCATGGGATGGTGAATGCGAAGCATGCCCTCTATGTCCAGGTGCAGCTTAACTCGCTGAGGCTGGCAGCCCCACCTCCCATAGCAACACCAGGCAAAAAACAGAGCA	4
wt-130740-130860	3941	ACTGCATCCTAGTCCGATTTCCCTCTCAAATCAGAGATCACTTGTCTCAGACAGCCCAATCGAAAACTGAGATCGTATTGCCGGATTTCTCAATGCCTGCATGTAATCTCCGTC	4
wt-130860-130980	3942	CAGCATCCAGGTAATCGTCTGAACTCTGAGAGGTCCACAAGCACAACCTGAAGTGTAGGCTAGCGTTCGGGTGAACGCAAGACAACCTTCAAACAACCCCGCTCGGCTCGAAAGGC	4
wt-130980-131100	3943	TGATGACTTCTTAAAGTACACTAAAGATGCTGTTCTTATACAGCTTCTCGGCCACACCACTTCAAAATATGGGGTGTGGCTTTGATGACATACTGCTGATTGTTGTAGACCCGCA	4
wt-131100-131220	3944	CATACCTCACAATGCTCCTGGGGGCAAAACTGTGTTAGGAGCCAGGCACAGTAAACGGCGTGATATGCATCGTTGACACTCTCAGGTAGCCAGCATCCAGTCTGACTCATGTTTC	4
wt-131220-131340	3945	CTCCCTCGCTTCTCAGCGGGCATGTTCTCTCCAGCTTAACTTATCCAGACTATGGTGTCCCGGGTCTCGGGTAAACGTGGCCAAAACCTGAAATAAAGTCACTATAGGAGAGA	4
wt-131340-131460	3946	AGCTGGCTCCGGAGCAGCATTAGAGGGAAACACAGGAGCCGACAGCAAAATGCGCATGATGCAAAATCCAACTTCAAGGGGCGGACTGACCTGGCACCAGACTCGGTAACAGCAAG	4
wt-131460-131580	3947	CTCCGCTTCTAGAGGCCAAGACTCTGAAAGGGGTGGTAAATTTCTATCGCATGCTAAACCTCAGCCGACGTGCTTCCCTTCCATGCCTCGCCGAGTCACTTCTGTGCATGGCC	4
wt-131580-131700	3948	TTAATGGCATTTCATACACATGAGTCCAGTACCCGATCGGTTGAGGACTCAATGTTGAGTCCCAAGAGCAGCCTCAAATGATTTCAGCATAGTAGTCTTCCACACAGGGGCA	4
wt-131700-131820	3949	CCTTCCAAAATAGGGAACAGGCAGGTTTATTACTGGTACATGATTTGTTAGGTGGTCAAAATGGAACCCGATGCTCTCTTCTGAGCCTTGGCTGGCGGTTGCTTGGGCA	4
wt-131820-131940	3950	TCATCCAGATTCAAACTTATCACACTCCACTTAGCCGCTTCAAGTGGCAGCATGCTTGGATAACTTAACTCAGCCCATGGGCGCCAGGTGTTTCAAGAGACCAGAAGGC	4
wt-131940-132060	3951	TTACCTTGCACCACTTCTTTGTTTAAACGCGGAATGAGAAGAGGGCTGCGGAAATAGACTCATCTCAGACTCAGAGTCAAGATTGTCATCAGGCCAAGGCCGCGCCAGCCCTCC	4
wt-132060-132180	3952	TCAAAGCCTTCTGGTACATGAAGCTCGGCTGGTGGAGTCCGCACCTCTGTGTCACGAAGTTTGGCGAACAGGAGAAGGGTCTGGCGTCTTGGGGCCACACTCCCGGCTA	4
wt-132180-132300	3953	GGGGCTTCCGGGTAGGGCAGTAGGCTTTGGTGTCCGCTGCTGGTGGCTCCCTGGGAGGCAAGGGGACAGATGTGTGGCGGCTACCCGGAGAGTTTCCAGATTAGAT	4
wt-132300-132420	3954	GTCAGCGACGCTGGTCCGGCACGGCACCCTTCCCAAGACAGTCCGGTCCGGAGCCATCAAGGGGGCCAGTGGGTGGCACCTGTAGAGCCGCTGCTATCTTCCACTGCCCCT	8
wt-132420-132540	3955	GAGTCACTACCGTGGGGTAAAGACTGAGGGGGCAAGTCACTCAATCTCAGCGTAAAGTTTCTGTTCTTCTGTTTTCAGGGGACTCATCTCTGACATTTTCCGACAGCCCGGGC	4
wt-132540-132660	3956	GGCCCGCCTCTTCTGAAATCCAGCCATGGATCCACCCGGGGTCTGTGTGCCCTCTCCACACAGACCTGGCAAAATTCACAGTCTTCCCGGCTAGAAAGGGCGCAGGTAAG	4

wt-132660-132780	3957	CGAGGCGACCTTCGGTGTACTCCAAGCTGCTCTCTTTAAGAGCTGGGAGCAACTGGCCTCTTTTTGTCTCGCCCGGGGACCACGTTTACAGACTTTAGACTATTTTTGAAGTC	4
wt-132780-132900	3958	ACCCTGGGTGGGAGAATCGCAGATTGCGTGTGGTAGCTCTGCAGCCTTATCCCCGGTGTATATTAGATAATTTAAGACGGCCATGAGCAACACGGCCAACCCGCAAAAGCGTTACTCGC	4
wt-132900-133020	3959	AAGGCACAGAGGCTAGAGGGCACCCGCCAGTTGTGTGACTGTGCCAATTTCTTCGCACGTCTGCCCCCGTCTGGGCAGTCAGGGCCTGGAAGTCTTGGCGCGTGGTATTTAAA	4
wt-133020-133140	3960	AACCAGCGATCCCTGAGAACGCTCCAGGTAGAGTTTCCAGCCCTGGGCAAAAGACCCCTCCCCACCTCCACCACCGGCCTGCTAAACCTCTCTCCCGTGGCAGATGGCGCTCTCCGG	4
wt-133140-133260	3961	GCACGCTCTGATAGACCCCGCCAGTGGCCAGGACACAGGCCCGGAACCTCATGTGGGCCCAAGCCTTCGAACTCACTGCGCGTGTCCCCGGAAGCGCTCGAGCTGGCAGAGCGGGA	8
wt-133260-133380	3962	GGCCGAAAGGGCCAGTGGAGCGGTGGACAGGTGTGCCAGGTGTCAAAAATAGGCTGCTCCGGCTGGAGCTGGACGGCATCATCGTGCACACTGGCCAGGCGGAGGAGATCCG	8
wt-133380-133500	3963	CCAGGACCTGGATGCTGATGGCCTCTCTGATGGCCCTGAGCAGCTCAATAGAGCCCTCAACCAGCAGCGCCCATCCACGGAGCGCCTCTGGCCAGCCCGCCTCCCATCCCAAGCCGCTT	8
wt-133500-133620	3964	CACTCGGCTCACCCGGGAACGCCAGTAGTGCAGTCTCAATCTCTCCACGGACCCCTCTGATGGTGGCCGGCAGCCTGGCTCAAACGCTGCTTGGTAATCTGTACGGGAACATCAACCA	4
wt-133620-133740	3965	GTGGGTACCGTCTTCGGACCTTGTACAGGACCATGTCCGGCTAATGCCATGCAGCGGCCTGTTCCCTAAGCAGCTGAGGGGCAACCTGAACCTTACCACCTCCGTCTCCCTAAAGCT	4
wt-133740-133860	3966	GATGACAGAAAGTGGTGGCGGTGCTTGGGGCACCACCCAGGACTTTTTCTCAGACGTGAGGCACCTGCCAGACCTCCAGGCTGCCCTGATCCTCTCGGTGGCCTACCTGCTACTCCAGGG	4
wt-133860-133980	3967	GGGCTCTCACACCAGCAGCCCGCTCCCTGCTCACGGGAAGAGCTCTGGAGCTGGGCCGGGAGAGCCTAGAGAAAATCATCGCCAGCTCAAGGCCAAGTCAACCGCGGAAATTT	4
wt-133980-134100	3968	TATGATTTTAAACAGCGGAAACAGGAAGCGCCAGTCAATAGAGCCCTCAACCAGCAGCGCCCATCCACGGCAGCATTTCGCGGACAATAAGATTTTACAACCTGTTTTGGGGAGC	4
wt-134100-134220	3969	GGGACTACTGCCACGACGCCCGCTGAACGTGCCCGGGGGCGGGTGGGACCCGGACCTGGTGTACCGGATCGCCAACCAGATCTTTGGGGAGGATGTGCCCCCTTCTCATCTCA	8
wt-134220-134340	3970	CCAGTGGAACTGCGCGTAGTGTAGCCGCACTCGAGGCCCTGATGCTGCTACACGCTCTGCGAGACCGCAACCTGGCCGAGGGGCCACCCGGCGTCTACACCTATGTCCTGCT	8
wt-134340-134460	3971	CCCCAGGCAATGCAGCGCGCAAGCTGCCATGGCGCTCAGCTGGTATGCCGGCGCCTATCCAGTCCAGACGCTTTCCGCCACGGGGAGCTTCCGCTTATCTGGGCCACTACGT	8
wt-134460-134580	3972	GAGGCCACGGTGGCGGCAGACCCAGGCCCTCCATCAGCTCTTTTTCCCGGGCTGGTTTTGTGGCCCTGGAGCTGAAGTTGATGGATGGCAGGCTCCCTCCATTATGCCATAAA	4
wt-134580-134700	3973	CCTGACCCGACAAAAGTTTGACACCCTTTGAGATTATCAACCAGAAGCTTTTATTTTACGACCCCGCTGCCATGCTGGCGGCGGCACACAGCTGCGTCTAGCCTTCGAGGACGGCGT	4
wt-134700-134820	3974	CGGTGTGCCCTGGGCGCCCCCTGCCCATGCTTGCGGCGCGGAGATCCTGGAGCGTCAGTTCTCAGCCTCGGATGACTACGACCGGCTGACTTCTGACGCTGGGTACCTGGCCTC	8
wt-134820-134940	3975	CCCGTGGCCCCAAGCTGAGCCAGTTCCTGCACTGGAGTGGGTATTGGCAAAAAGTAAATAAATCATCGCACGGGGTTTTGCCTCCTCTGCTCTTTGTTGGGTAGGGGAGT	4
wt-134940-135060	3976	AAGGCGGTGCCAGGCCCATGCTCAGGGCCAGCGCTGCCAGAGGCCCTCGTAGTCTGCGCATTCCGAGAGGATGGCAGGTCAGAAAGCAGATAGCCGGCCAGGCAGAGGAAGGCCAC	8
wt-135060-135180	3977	AAAGAGGGGGCAAGGCGTGGCCGAACCCGGTTTTCATGCTGCTGCACCCAGTGGACAAGGCAGTAGAGGACACCCACCAGGCGGTAGGGAGGACTGCCAAGGTTGAAGAG	4
wt-135180-135300	3978	CAGATTTCCGTACGCCAGGCTGACCTGGCTCAGTCCGGCGCCTGCGCAGCTCAAGCTGGCCACACAGATGCACAGCGGCCCTGTGACATCGAGCCGGTATGCAGCCAGCAGACA	4
wt-135300-135420	3979	GCGGTTTCCAGTATTTATCACGGCTTCCCGCCACAGGTAAAAGTTAACACTTAGGGTACGAGCTTGGTCAAGGATAGGTGCAAAAACCTGAGCTCGCTCCGCGCAGAGCGCAAGCGG	4
wt-135420-135540	3980	CCAGTCTTTAGCATCTTCCAGGAGGCCGTGAATCCAGGTGCTATTGCGCGTCACTCCCGCGCACCCCGAGTCCATTAAACATAGCGGGCACAATGGTGCAGGCACCGTCTGTATA	4
wt-135540-135660	3981	CGTCTGCCGCTTCTGTGGAGCGCCCGACGCGCCACCAAGGACCGCTGCTTACCTGGATCCCTCACCCTCAGAGCCAGCTCCCTCTGAAGAAGCCCTTGCACACTACGGTGGAAACA	8
wt-135660-135780	3982	CCTGCCGGATGCTCCGGTGGCTCAGTCTTTGGCCTTTACCAGAGCCGAGCGGGTCTTTAGCGCAGCTCGATTACCTCTGGGGACTTCTGTCCCTGCTGGACTCAATTTACCACCA	4
wt-135780-135900	3983	TTGGATATTGCACAGAGTCAGCGCTGCCCTCCCTCGAGAACAAGGTGGAGGCTGCGACGCTGGCTCCCTCACTGTCAGTGCCTCCCTCACCCAGACATACCCCAACCCAC	4
wt-135900-136020	3984	CGCAGATGGAGGCAAGCTGCTCTTTGACCACGTGCTATCTGTCGCCCTGGTCTGCGCGCGGACACCGGCAGTCTACGGTACAGACCTTGGTGGGTCTGAAGCATTTAGTGA	4
wt-136020-136140	3985	CCTGGAACCGTCTATCGCCGCCAGATTGAGAATGACGCCAATGCCGCAAAAGCGTGAATCCGGATGCCCGGAAGACCCTCTGCCCTCACGAAGCTCATAGCTAAGGCAATCGATGC	4
wt-136140-136260	3986	TGGATTTCTGAAAAACCGGTGGAGACTCTGAGGAGGACAGGGGTGGGCCAATATCCAGCCGAGTCTGATTTAAAGGCCAGCGACGCCCGGACTACAAAAGCCGGACAAGGCACT	4
wt-136260-136380	3987	TCAGAGCCACCACCGGCTCCACAGACCCAGCCACCATGCTATCAGTAAACGCAAGGAGAAAGGAGCAACAGCTGCGGAGGTTGCGCCGCGCGGGCCAGGACCTCATAGCTCCCGCG	8
wt-136380-136500	3988	CAACACCTTTATGACTGCTTTCAGACAACCTGGACAACAACCGCCAGGACAGCCCGCTACCTACGCGGCCCGCTGCCCCCTTTTCCACCCAGGCAATAGCCACCGCGCTCT	4
wt-136500-136620	3989	CTACGGTCTGGGGCCGGAGCGGTGCCCCGGCCGGCGCTACTTTACCTCCCAAGGAGTTACTACGCGGGCCCGGGGGGGGACCCGGGTGCCCTTTTGGCGATGGACGCTCACAC	8
wt-136620-136740	3990	CTACCACCCCAACCACACCCCTCCGGCCTACTTTGGCTTGGCCGGCTCTTTGGCCCCCTCCACCCGCTGCTCTTACTACGGATCCCACTTGCGGGCAGACTACGTCCTCCCGCTCC	8
wt-136740-136860	3991	CTCGCGATCCAAACAAGCGAAAGAGACCCCGAGGAGGATGAAGAAGCGGGGGGCTATTCCCGGGGAGGACGCCACCTCTACCAGCAAGGACATAGCGGGCCTCTCCAAAGAGTGTGAA	4
wt-136860-136980	3992	GCCATCAAAGCTACGAAAGTCCCGCAGATAGTCCCTCATCCGCCCCACCACCACTTCTCACCAGGCACTCAGCGCAGCTCCACCCCGGGCACACAGGCCCGGCAAGGCCACTG	8
wt-137100-137220	3994	TGTGGCCGAGTCCACGATCCCTGAGCGGGGAGCAGCCGGAACTCTGGACCCGGGAGGACACCAACCTCAGCAGCCACCAGGAGGCCACCACCGGAAAGAACTGGTGCAGGC	8
wt-137220-137340	3995	CTCTGCGTCCGGAGTGGCTCAGTCTAAGGAGCCCAACCCCAAGGCAAGTCTGTGTCAGCCACCTCAAGTCCATCTTTGGCAGGAATTGCTGAATAAACCGCGTGGCTTGAAGTA	4
wt-137340-137460	3996	AACTTTATGCGTGTAGTACCTGTCCATTACAGGGGTATCCAGCCCTTGCGCCGCTCCCGCAGCCCGCCAGCCACCCAGACAGGAGATGATAATGATGAGGAGCACCAGGACCC	4
wt-137460-137580	3997	ACAGCACAAGTGATTAGGAGCAGGGCCAGTGCACCCAGGTGGTCTTAGGGCCGAGGATCGATTGGAAAAGGGCCAGGGTCACTGGCTTATGCGTGGGACGTTTGAACAAGGCCG	4
wt-137580-137700	3998	CTATGGGGCCTGTGACTGGTGTCTGGTGTGGGAGACTAATGTTGGTGGGGCTATGGTAGTGGCTGGGATAACAGTAAGATGCATACGCTGAGTGGGTCCGGTTGGCATGGATTGG	4
wt-137700-137820	3999	TCGCTCTTCCCTGCAGAGTAATTCAGTGGACCCCGAGGCCACACTGCAATTTCTCAGTGTACATTGCAGCTGTAGTAACTGCATGCGCAAGGGTCACTTTGGGATTATCAGA	4
wt-137820-137940	4000	GAGACGGAGGTGGAGTCAATTTGCCATTTAGGCTATGGGTAAGGCTATAAATTTGAAACCCCGTAGTATATGAGTTCGGTGTGGAAAGTACGACGGCCAGGGCAAGTGTCCATCCCG	4
wt-137940-138060	4001	GGAGTGTATCCCCGCCAACTCGATCCAGAGACCGACTATTGCTAGGAACGCTGCAGGTGAGATTCACTAGCACCTGCATGGCGGTGACATTTTCAAAATTAACAGACTGAG	4
wt-138060-138180	4002	AAAAATGCACAAAACAGCCACACAGCAGCACAATAGAAGCACTAAATGAGTCAATCTAAACTGTCAGTTTTAAAACCTCCCTGCTTCTCAGGCCTAAATATGTTGGTGGGTGTGCTTA	4
wt-138180-138300	4003	GGATCACTTTCATATCTGCAACAACAGCCATACCCGGAAGAGGAGTGCCTGTTGCCATTTTTCAAGCTGCTAAACCACGAGTGGCAGCAGGCCAAGAAGCTCCTCAGCAACATGGAG	4
wt-138300-138420	4004	ACCTCGAAGGGAACCTGGCAGGAGCGGGAGTCAAGTAGGCTAGCCCTTTCATGTAGGTAACAGACTGCTAAAAATGGGATCAGGGTATGTAACCCGAGTTTGGCGGGAGTGGTA	4
wt-138420-138540	4005	GCCAGACCGCGGGTGGGGAAGGAGCTGACACGATTGAGTAGAAGGGCCAAAATACAGACTATAAGGAATTTGCTCAGGCAAGTGTTCCTCAGGTTGGCTTTAGGCTTAATGT	4
wt-138540-138660	4006	AGGCAATTCGCTGCTAGAACTTGTAAATGTCGCCCTGGTTTTCTGCCCTCATGCAATAATTTCACTCCCGCGCTGGTGCAAAATGCTGCCCTCAGAACTAACAGCTAATCCAA	4
wt-138660-138780	4007	GCTAACATTCTATCAGTAAACGGGCAGAAAACCTGATAAGGACCGCGGAGTTGGCCCTCCGCGTGTCCGGTGGTCTCACAGTGCCTCCCGCGGGCCGATGGCTGAGGCCCGAAT	4
wt-138780-138900	4008	ATGCAAGTGCATCTTCTAACAGTAGGGGCTCCACCTAGTGCTTTGTAATCTTTAGTGGAACTAGTGGGAGTGTGCTCGGGTACCCCTATCTTATAGGCTTACCAGGAGCT	4
wt-138900-139020	4009		4



wt-139020-139140	4010	CCTTGTCTTGATAATCCCTGTAAACACACACCACCTAAGAACAAGGCATTGTAAACCTTTGGTGGAACCTAGTGTAGTGTGTGCTGTAAATAAGTGTCCAGCGCACCACTAGTGACCA	4
wt-139140-139260	4011	GGTGTCCACCGAGGCTACTTGCCACAGTGCCACTTTTACCTTCTCAAATCTATACGGGGGGGGGGGGCTCTGTAAACATTTGGTGGACCTGATGCTGCTGGTGTGCTGTAAATAAGTGTG	4
wt-139260-139380	4012	CCTAGCACATCACGTAGGCACCAGGTGTACCAGGGGCTACTTGCTCCGGCATCTCTCACCAGGAGAAGGGGTAAACAAACCCGTTGGGGGTCTTAGTGGAAAGTACGCTGTGAATACA	4
wt-139380-139500	4013	GGTCCATAGCACCGCTATCCACTATGTCCTCGCCGGGGTATATGTCGCTTACCTCCCTATATAGTACAGACCCACCAGCCAGGCATGATGAGAATAAAATTTATGCATCATCTT	4
wt-139500-139620	4014	CTAATCTGTGCGCGCTTGAGAGGAAACATGACCACCTGAAGTCTGTTAACACAGGTCACTGGTTTGTTCCTTGATAGAGACACAAGGACTGCCAGCCCCATTGGGGAGGGGGGTGGGTA	4
wt-139620-139740	4015	CGGGAGAGTTGGGCTCGTTAAACAAAGTCTCATGTCTCTGGCACCTCAAGGTGAATATAGCTGCCATCGACGTATGCTGGAACCCGGTGGCCGCTGTTACCTAAAGTGTG	4
wt-139740-139860	4016	ACGCAAGGTTGTACAGCCGCGCCGTTTACCAGGCTTTCAGGTGTGAAATTTAGATAGAGTGGAGTGTGCTTGTGTTAAATACACCAAGATACACCACCTCTATCCATATCCCA	4
wt-139860-139980	4017	CAATTGATAAACCTCCGCATGTCCAACACCACGTTGAACAGGATGTGGCACCTAAGAGGACGCAGGCATACAAGGTTATTACCCAGTCTCTGTATGCTGGTGTCCCTTAGTGGGAC	4
wt-139980-140100	4018	GCAGGCTAGGTAGCATCAATTACACTAAAAGCAGTACCTTGTGGTACTTTAAGGTTGGTCCAAATCCATAGGCTTTTTTTGTGAAAACCCGGGGATCGGACTAGCCCTAGAGTAACCT	4
wt-140100-140220	4019	AAGGCCAAGCATTTACACCTGCAATGACACATGTAAACACAGATCTAAACTGAAAAGTGTGACGTTTAGATGGCAAGGAAACTGGGTTTCAGGCATAGAAAAGCTGGCTCACTATAGC	4
wt-140220-140340	4020	AGCCCATGTTGTTCCAGGGTGGGGAAAGGCACGTGCCCTTAGAAAACTTAGCTGCAAAAAATCTATTGTTGGGAGAGCCTATATATCAAAGGCCTTTCCCTACAATAAAATGTT	4
wt-140340-140460	4021	ACTAACGTGTCCCTCTGGAGACGCTACTATGTGGCTAGACGTATGGCCACCCAAGACGTTAGAGGCTCTCGGGTGGCCATGATTCCTCCAGCATAGTTACAACCACTGACTGCTATC	4
wt-140460-140580	4022	AAGCCTACTCAGTTCCCAACGCAGCACATACCCCCGCTCTCTGCCATGAGGACTTATGGCAGTGTACTGTCTGCTTTTACTCTTGACCAGGCTGTCATTCTATCAGAATAACA	4
wt-140580-140700	4023	GGGGAAGCAAGGCCCTGCTTCAGCGGGACACGTTTCTAGAATCTCGGAGCCAATAACTACCTGCCCTCTAATCTGTATGTGCATGAAAACACACATACAGTGATGTAAGTTTA	4
wt-140700-140820	4024	GCCAGTTTATTGTTACACCAATGCCCGAAAAGTCTCCCCCTGTCCTTTGGGTCTCAGAACCCAGCCCTGGAGCTCGGGGCGGCGGGTGGCCACCAGGGTCCGCTGGGTCCGCTGCC	8
wt-140820-140940	4025	CGTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGGCGGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCCGCTCCGGCGGGGGTGG	12
wt-140940-141060	4026	CCGGCTGCAGCCGGTCCGGGTTCCGGCCCTGGAAGCTCGGGGGCGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCC	12
wt-141060-141180	4027	GGGTTCCGGCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAG	12
wt-141180-141300	4028	CTCGGGGGCGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGT	12
wt-141300-141420	4029	GGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTG	12
wt-141420-141540	4030	GGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCC	12
wt-141540-141660	4031	GGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAAGCTCGGGGGCGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGT	12
wt-141660-141780	4032	GCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTT	12
wt-141780-141900	4033	CCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGG	12
wt-141900-142020	4034	GGCGCGCGGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCCA	12
wt-142020-142140	4035	CCGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTCC	12
wt-142140-142260	4036	CTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGG	12
wt-142260-142380	4037	GGGTGCGCGGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCC	12
wt-142380-142500	4038	GGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCC	12
wt-142500-142620	4039	CTGGAGCTCGGGGGCGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGG	12
wt-142620-142740	4040	CCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCAGGGT	12
wt-142740-142860	4041	CCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCC	12
wt-142860-142980	4042	CGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGG	12
wt-142980-143100	4043	CCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCC	12
wt-143100-143220	4044	GGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAG	12
wt-143220-143340	4045	CTCGGGGGCGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGATGGGGTGCCTCCAGGCCGACCTGGTGCAGGCAGGGACCCCGCCACCAGCT	12
wt-143340-143460	4046	TCATGGGGGGAGCCCGCCAGGACCGCCGGTGGAGGTGTGCACCCCGAGCGCTGGAGCAGCTGGCGAGCCGGCCAGCTCGCTTTTATCTCTTTTGGGGT	8
wt-143460-143580	4047	CTCTGTGCAATACCTTAAGGTTTGTCTCAGGAGTGGGGGCTTCTCATTGGTAAATTCAGGTGTGTGATTTTAGCCGTTGGGTTACATTAAGGTGTGAACCAAGTGGGTGGTACCTGGA	4
wt-143580-143700	4048	GGTCACTTATTGGGATAACGAGAGGAGGAGGGCTAGAGGCCCGCAGATTTGGGGTAGGCGAGCCTCAGGAGGGTCCCTCCATAGGTTGAACCAAGGAGGGGAGGATCGGGTCC	4
wt-143700-143820	4049	GCCCGATACCTAGTGGTGGAGCTAGAGTAGGTATCCATAGGTTCCATTATCTGGAGTATCTAAGCTCCGCCCTATATACAGGTGGTGGAGTATAGTATGAGT	4
wt-143820-143940	4050	AGGTTCTACTGGGTACCCCTACCCTACCTTAAGGTGCGCCACCCTCCTCCTCCGTTTAAATGGTAGAATAACCTATAGGTTATAACCTAGTGGTGAATAGGTTATTCAGCT	4
wt-143940-144060	4051	GGGTATATACCTATAGGTATATAGAAGTAGAGGAAAGGAAACCTATAGTGTAAATCCCTCCCCCTACCCCTCCCTTACGGTGTGCTGAGCCATCCCCACCCAGCACCCTG	4
wt-144060-144180	4052	GGGTGACGTGGACCCCGCTGCTTACTGACTTGTACCTTTGCACATTTGGTGTGAAATTTGGTGTGAAATTTGTCAGCTGACCATGCTCGCCCTGCTGGTATGACCTGGCTGTGCCCTGTC	4
wt-144180-144300	4053	CCCTCAGCGTGGTGGCTGCTTTGGGATGCATCACTTTGAGCCACTAAGCCCGTGTCTCGCTTGCCTGCCTCACCATGACACACTAAGCCCTGCTAATCCATGAGCCCCGCTTT	4
wt-144300-144420	4054	AGGAAGCACACGTCGCGGGACGGAAGCTGGATTGGCCAGTCTTCAATTTGGGAGTGGTTTGTGTGAGCCGGAAGTTGCAATGGGTGAGGGTGGCCTGGTTAAGCTGACGA	4
wt-144420-144540	4055	CCTCCAAAGTCTCTCACCTGGGTACACAGTGGGGCGGACGCTCAACTTTGGCTGTGGCTTATTCTCCCTTCTAGCCAGGGCCATGTTTCTCTGATGCTACTTGCCCT	4
wt-144540-144660	4056	CTGTGGTGGCAGACTGGCCCTGCTTCCGCCCCGCTGGGAGCTGTAGGGGGCAACACCCTTGGTTGTTGTGTCTGTTGCTGGCAACTTACTGGCAGCCGACAGATTCT	4
wt-144660-144780	4057	AATGGCCGCGCTTCTTCTCTGTGTTTAAATAAGAACTCAGCCAGGACTTACCTGAGACTCAAAGTCTGGTCTGGTGTGAGACCCCAAGATTTGTCATGACACCT	4
wt-144780-144900	4058	GCCACCTGTGGTATTGGGTTCTATTCTTAGTGTGAAATTTGTAATAAAATTCATAAAATGCACTAATCTCTTACCTGTTAGGGTATTGGGTAATTGTCGAATTTCTAGCCTGCCTATT	4
wt-144900-145020	4059	TTCAAATTTGCCTAAGGTGGCAATTAAGATGTGGTAAATTAACCATTTCTGTCTGACACCCTGCATGGCAACCGGGTCCATGGCATTATAGATAAACAATAGATGCTTGTCT	4
wt-145020-145140	4060	TGCTCATGTGCAGAGGAGGGGTGTTGGTGTGCAATATAGTTTCTGGATTCCAATTTGAGTTGGGGGTGCTATTTTCACTATGGAATTAATTAAGTACTGACATTAGACAGTGGACCCGGC	4











wt-4770-4890	4323	CGAAGCACTGGCAGTCTCCCCGTTGACAGGAAAGAATCTCAGCCACGCGCGTGGTGACAGAGCCTGACCCACGATGTCAGTGGCCGTGCTATGCGCCCCGGCCACCAGGGCCATGA	4
wt-4890-5010	4324	AAGCCTCCTGGCGGCCTTACGAATGCCGGATGCCTGTGCCGACGGGTGTTCTTTCGCGAGGTTAGGACAAACAGTTCCTCGACAAGTACGTTGGCTGGCCATCGGAGGAGTTCATGG	4
wt-5010-5130	4325	GGCCAGGGACTCTGCCCTGGCAGGCCGTGCCACCGTGGCGTGATTAATCGTTTCCCCGCCCTGCGTGACGCTATTCTAAAGTTCCTCAACAGGCCAGATACGTTCTCGGTGGCCTGGG	4
wt-5130-5250	4326	GGAGCTGGGGGTGCAAGTTTTGGCTGGCCCTGGGGGCGGTGGGGTCAACAGATAATCCACCGCCCTGGCGTGAAGTTAATGTCACAGATACACTCTGATTCTGCGCCCCAACGCCTC	4
wt-5250-5370	4327	TGGCATGTTTGAGTCCCGCTGGCTGAACATTTAGCATCCCCGGCCACCCAGCCTGTGATCTGCGTGGCCTCCGGGGTGGCTCTGCCCTGTTGGGTGCAAGGCTCGTGCCTGGGCCT	4
wt-5370-5490	4328	GCAATTTACTAACCTCGGGATGCCATGTTTTCAGAAATGCCACACAGCAGTCCGCTCCACTTCCACAGCAATGGCAGGATGCCTGGCGCTTGTCTGAATTAATCCAAAGAACCCAC	4
wt-5490-5610	4329	GGAGCAGGGCAACATTGCAGGGCTCTGTTACGCGATGGTCTGTCATCTGGCTCTCCTGTGTACCCTCACTTGTACAGACTTTTGGCAATGGGACACTTCCCCCGCTTGGGCA	4
wt-5610-5730	4330	CCCCACGGGGTCTCCCCCTGGACACTTATGTTTCAAGCAGCTCACCTATGGTCACTCAGGCACGGTCCGCCCTCCGAGTGACCAGTCACTTCCAGACTATGCATACACTGAATTTAGC	4
wt-5730-5850	4331	CTGATATTGTCCCCCTAGCCCCGGGCCAGCCCTCTCAGAAAATCTGCATGGAGAAGCTGGAGTGAACCTCCCCCCAGACCTGTGTGCTGATTACAAAACACTACAATAAACCCA	4
wt-5850-5970	4332	ATGTGCAAATGTGGTTGTATGGCTACTTTGTGTTCTAAAAATGCAACAATAGAAGTGAAACCCCTCAGTACCGGACATTAACCTCAACCACAAAATGGGGTGGAGAAAGTAACC	4
wt-5970-6090	4333	ACATATACTGGAGATGATTATGGCTGGGGTCCCCGGACAATACACCCATCTGGAGTTCAACCTAATTACATGGTAGATAAATAAGAGTCCCTCCTCACCCTCGAAACTATGGCAG	4
wt-6090-6210	4334	ACATTTCTAAGATAACGAGGAGAGTAGGTGAGGGCAGGAGCATTGGGCAAGTTGGGCAAGTTCAGACTCTGCTTTCGCCGCTTCGGTCAAGTACCAGCTGGTGGTCCGCATGTTTTGATCCAAACTTTTGT	4
wt-6210-6330	4335	GGAAGGCAGGCGGGCCTAGCAATGTCACAGCTAAATGCCACCAGGCCACACTCAAGCGGGTCTCGGAGTCTAGGTGACAGACCAGAAAGGTGAGCCTGCAAGGTGGATGGCGTG	4
wt-6330-6450	4336	TTTTCTGAGGTTATCCCCGTACGTGCAGTGTGGGTGATAGACCCCTAGAATGTGTGCAAAATGACCAAGCGTCCCGCAGCGGGCTCCCAACACGGGTCCAGAGAGGGTAAAAGA	4
wt-6450-6570	4337	GGGGGCCATAAAGCCAGGGTGTAAAACACCGACCCGCCACAGATGGCACAGTGGGGGAAATGAGGGTTAGCATAGGCAACCCCGCCTACACACCAACTATAGCAAACCCCGCCCC	4
wt-6570-6690	4338	GTCACGGTGACGTAGTCTGTCTTGGAGAGATGTAGACTTGTAGACTGCAAAAACCTCAGGACCTACGCTGCCCTAGAGGTTTTGCTAGGGAGGAGACGTGTGTGGCTGTAGCCACCCGT	4
wt-6690-6810	4339	CCCCGGTACAAGTCCCGGGTGGTGAGGACGGTGTCTGTGGTGTCTTCCAGACTCTGCTTTCGCCGCTTCGGTCAAGTACCAGCTGGTGGTCCGCATGTTTTGATCCAAACTTTTGT	4
wt-6810-6930	4340	TTTAGGATTTATGCATCCATTATCCCGCAGTTCCACCTAAACGGGGCTTAACTGTTGCATCCAGAAGATGCACGCTTAAACCCCGCTACAACCGTACGCTAGCTGTTTACCAGCATGTAT	4
wt-6930-7050	4341	AGAGTTACGGTTCGCTACATCAAACAGGACAGCCGTTGCCCTAGTGGTTTTCCGACACACCCCAACGCTCAGTGCGGTGCTACCGACCCGAGGTCAAGTCCCGGGGAGGAGAAGAGAGG	4
wt-7050-7170	4342	CTTCCCGCTAGAGCAATTTGCAAGTCAGGATTCTTAATCCCTCTGGGAGAAAGGATTTCGGCTTTCGCCCTATTTTTGTGGCTAGTTTTGCACCCACAACATGTAAGGGCCCCGCTAC	4
wt-7170-7290	4343	CCCTACAACACAAAACAACTCTCCCCTAACCATCCTTTTGGCAATCAATTCTGTGACAGGGTTCTCGGACCCAGTCTTAGTTACAGTAGACACCCAGTTATGCAGTGCCACCAA	4
wt-7290-7410	4344	TTCCAACGATTTTAAACCTCTGGAACTTCAATTAACCGGATGCAGGAAAGGACAAAGCAGCAAAATTCACGCCCTTGGGAGGTGGGCATATGCAAGGATAGCATCCCA	4
wt-7410-7530	4345	CTCTACTACTGGGTATCATATGCTGACTGTATATGCATGAGGATAGCATATGCTACCCGGATACAGATTAGGATAGCATATACTACCAGATATAGATTAGGATAGCATATGCTACCCAG	4
wt-7530-7650	4346	ATATAGATTAGGATAGCCTATGCTACCCAGATATAAATTAGGATAGCATATACTACCAGATATAGATTAGGATAGCATATGCTACCCAGATATAGATTAGGATAGCCTATGCTACCCAG	4
wt-7650-7770	4347	ATATAGATTAGGATAGCATATGCTACCCAGATATAGATTAGGATAGCATATGCTATCCAGATATTTGGGTAGTATATGCTACCCAGATATAAATTAGGATAGCATATACTACCCATACT	4
wt-7770-7890	4348	CTATTAGGATAGCATATGCTACCCGGATACAGATTAGGATAGCATATACTACCCAGATATAGATTAGGATAGCATATGCTACCCAGATATAGATTAGGATAGCCTATGCTACCCAGATAT	4
wt-7890-8010	4349	AAATTAGGATAGCATATACTACCCAGATATAGATTAGGATAGCATATGCTACCCAGATATAGATTAGGATAGCCTATGCTACCCAGATATAGATTAGGATAGCATATGCTATCCAGATAT	4
wt-8010-8130	4350	TTGGGTAGTATATGCTACCCATGGCAACATTAGCCACCCGCTGCTCAGCGACCTCGTGAATATGAGGACCAACACCCCTGTGCTTGGCGCTCAGGCGCAAGTGTGTGTAATTTGTCTC	4
wt-8130-8250	4351	CAGATCGCAGCAATCGGCCCTATCTTGGCCCGCCACCTACTTATGCAGGTTATCCCGGGGTGCCATTAGTGGTTTTTGGGGCAAGTGGTTTGACCAGTGGTTAGCGGGGTTACA	4
wt-8250-8370	4352	ATCAGCCAAGTATTACACCCTATTTTACAGTCCAAAACCGCAGGGCGCGTGTGGGGCTGACCGCTGCCCCACTCCACAATTTCAAAAAAAGAGTGGCCACTGTCTTTGTTTAT	4
wt-8370-8490	4353	GGGCCCATTTGGCGTGAGGCCCCGTTAATTTTCCGGGGTGTAGAGACAACCAAGTGGAGTCCGCTGTGCGCGTCCACTCTTTCCTTGTACAAAATAGAGTGTAAACAATG	4
wt-8490-8610	4354	TTACCTGTCTTGGTCCCTGCCTGGGACACATTTAATAACCCAGTATCATATTGCCTAGGATTATGTTTGGCCATAGCCATAAATTCGTGTGAGATGGACATCCAGTCTTACCGC	4
wt-8610-8730	4355	TTGTCACCCACCCATGGATTTCTATTGTTAAAGATATTCAGAATGTTTCATTCTACACTAGTATTTATTGCCAAGGGGTTTGTGAGGGTTATATTGGTGTATAGCAATAGCCACCA	4
wt-8730-8850	4356	CTGAACCCCGCTCCAAATTTTATTCTGGGGCGTCACTGAAACCTGTTTTCCAGCACCTCACATACACCTTACTGTTCAACACTCAGCAGTTATTCTATTAGCTAAACGAAGGAGAA	4
wt-8850-8970	4357	TGAAGAAGCAGGCGAAGATTAGGAGAGTCTACTGCCCGCTCCTTGATCTTACGCACTGCCCTTGTGACTAAAATGGTTCACCTACCCTCGTGAATCCTGACCCCATGTAATAAACCC	4
wt-8970-9090	4358	GTGACAGCTCATGGGTGGGAGATATCGCTGTTCCCTTAGGACCCTTTTACTAACCTAATTCGATAGCATATGCTTCCCGTTGGGTAACATATGCTATTGAAATAGGGTTAGTCTGGATA	4
wt-9090-9210	4359	GTATATACTACTACCCGGGAAGCATATGCTACCCGTTTAGGGTTAAACAGGGGGCTTATAAACACTATTGCTAATGCCCTTGTAGGGTCCGCTTATCGGTAGCTACACAGGCCCTCT	4
wt-9210-9330	4360	GATTGACGTTGGTGTAGCTCCCGTAGCTTCTCCTGGGCCCTGGGAGTACATGTCGCCAGCATTGGTGAAGAGCTTACAGCCCAAGAGTTACACATAAAGGCAATGTTGTGTTGACGTC	4
wt-9330-9450	4361	CACAGACTGCAAACTGCTCCAGGATGAAAGCCACTCAGTGTGGCAAAATGTGCATCCATTTATAAGGATGTCAACTACAGTACAGAGAACCCTTGTGTTGGTCCCCCCCCGTGT	4
wt-9450-9570	4362	CACATGTGGAACAGGGCCAGTTGGCAAGTTGTACCAACCAACTGAAGGGATTACATGCACTGCCCGCGGGAAATACGTCCTACCCAGGAACCCGAAACAGTGTTCAGAGAGTGTGTA	4
wt-9570-9690	4363	AAAATAGAACGCCCTGGAACCTGCCCACTGTGCAATGCAGCTTTTAGCCATGCCATGCTCTATAAATCACTTCCCTATCTCAGGTAGGCCTGCACACCTTAGGTATGGAGCGAAGGTTAG	4
wt-9690-9810	4364	TGGTCACTCTGCAGTGCCTGGTGTCTTTACCTGGCACCTGAGTGTGGAGGTACAGACCAATGTGACAATTTCCCAAATGTTGAGGGACCTAAGAGATGCCTCAGTCTGTTAAAA	4
wt-9810-9930	4365	CCTTTTTCCAGACAAGGACAGGAGTACATAACCTTTTGTCAAGGAGTCTCTGCTACAGAGACTTTAAGGGCTACCTGGATGCCAGGCCCTGTCAAGAAATGATCCAATTTCACTGGAGG	4
wt-9930-10050	4366	AAGTCATGCCACAGGCTGAAAACAGGACCCTGAAGCCAAAGACCATGTCAATTTTGGGTGAAAATCTAAGACCCCTACGGCTCCGCCCTGCGCAGGTGCCACAGGTTCTGCCGTGTG	4
wt-10170-10290	4367	CAATTAAGCCAGGTGATAATCCATACCCTGGAAGCAGGAGATGGGTGCATTTACCCCAACCCCTTTCGACTGTCAATTAACAATAAATGAAACCTTTTATTCTTGATTGCCTCT	4
wt-10290-10410	4368	TGTGTTCTGCCGCCAGGTACCTTCTGTGTTCTCCCCACGGGAAAAAGAAATAGTCTTGCAGAAAGGCCATTGACGCAAGTTTTGCCGTGGGGATTACCCGACCCAGCCACTTACAGC	4
wt-10410-10530	4369	ACATTTTGTCTAGTCCATCTTAGGAGCCCGGGCCAGCATTCTATCAGCTTAACGGGAAGAGAAGTGGGGAGGGCACTGCCCACTAACCTTAACCACTGACGCTACAAAAGTACACT	4
wt-10530-10650	4370	AGCTGTTTCTCTATTCCCACTAGAGACGCCAAGATGCAAACTACAGCCCGGGCCAGCCCTTGCAGGGCAGACGTTAGGCTGACAAGGGGAGCAAGTGGCAGTGGGGGGAA	4
wt-10650-10770	4371	GGGGCACAAAGATGCCGGCCGAACTGGACCACGGTCCACCCCGCTCAAGCGTCCGGAGCCGGCGGCTCGGCTAAGGAGGGCGGCTTGCAGCAATTTATTAGTAGCTACCAACAAG	4
wt-10770-10890	4372	GGCCCCAGATGCCCCACCAGTCCACCGCCGTGTCACCTACATATTCACCTTATTTTAAATAATGTGCCCAATTAGAAACCAAGCGCAGAAATAGTTGAGAGGCTAGTG	4
wt-10890-11010	4373	TTTTAAACATGCACCCCTAGGCCAGCCAGAGATAATGTCAAGATTATCAAGTTGGTGAACACGCCGTTGGGAAAAAATTTATGGTTCAAGTGCCTGCTATCTTGAACAGTAG	4

wt-11010-11130	4374	AAAATGAACCTTGTGGCGGGAGAAGGAATAACGCCTTATCTGGGAGGAGCGAGGATTATAGCCAATAAGAGAGCTCAAGACGAGGGCTCGAAAGATAGTGGCCCCGTGGGACCT	4
wt-11130-11250	4375	TAGAGGTGGAGCAACGTCTAAAGTGGTAATAACACCAGGCGGGGCTGGGCAAAGGGTCCACGGCGGGATTAAATACGCTTGCTTACGCAAGCTCAGTTAATTCGCCACGACTTGA	4
wt-11250-11370	4376	AAAATGTAGCCCTTAACCAATTGGCGGCCCTAAGGGGGGACTAAGTCCCACTACAAAACTCTGTGTCTGCTGCAAATTTAGATCAGATGGCATAGAGACAAGGACACCGAAGAC	4
wt-11370-11490	4377	CCCCAGAGCCCTCATCGCAGGGTCTTACCATGCGGCCATGTAGGCCCACTTAACACTACAGACCTACGCTCTCCATTATCATGTAAACCACAAATCATCTAAACCGTAAGTCTAAG	4
wt-11490-11610	4378	GGCCTCTGAGGTTTTCTCAGGAGGCCCTAATGTATAATTAATCATGCATTTGATTTAAAAAAGTAGGTTACACTCATTATAGGCCAGACTTTATTTGCAGATTAATAATTTATGTGAT	4
wt-11610-11730	4379	TCTCCTCCCTTAGGACTGAAGAACCCCTCTGCACGTGACATGTATGAAATAATTTATGTCATAAGTGAATGATTAGAAAGTCAATAAACCCACTCCCTTTACATGAATC	4
wt-11730-11850	4380	TGGGACTGAATTTTGGGGTACTCTAAAGACTCAACGGTTCAGATTTCCGGGTCTCCCTTTTATAAAGTGTGAACAGTGATTTCAGTAAAACTAAGAGATAATTTGGTGTCACTT	4
wt-11850-11970	4381	CCGCATTTTAAAGTTTCAGAAAAATTTAAATTTAAATTTGAAATTTCTCTCAAAAATAATCCAATGAAAACTCAAAGAATCTTATGTATGTAATTTTGGCCCCAACTGGGCTTCAGA	4
wt-11970-12090	4382	TGCCTTCTATTGCACTCTCAAAAAACATCTGGACACATGTGCCAGACGCTGGGCTCTAAGGCCCTCGGGTCCCTGGACCCGGCCCTCAGCAACCCCTGCTGCTCCCTCCTGCCA	4
wt-12090-12210	4383	CCCCAGCTCCCCCTCCCCCTCCCTCTCGCTCTGTCTCCTCCCCGGTCCCAGTAGAGGGCCCTGCCCCCTGCACCCAGTACCTGCCCTCTTGGCCACGCACCCCGGGCCAGGC	12
wt-12210-12330	4384	CACCTAGACCCTGGCAAGCCCATCCCTGAAGACCCAGCGCCATTCTCTGTGAACGAGCAGAGAAGAAGTAGAGGCCCGGCCATTGGGCCAGATTGAGAGACCAGTCCAGGGG	4
wt-12330-12450	4385	CCCGAGTTGGAGCCAGCGGCCACCCGAGTCCAGCCAGCACCCTCGCTCCGGGCTCCCTCGGGCTGGCAGAGACAGGACCCCGGCCAGCTGGCCCGGAGGCGCCGGAGTGGGCCGGTCCGGC	12
wt-12450-12570	4386	TGGGCTGGCCAGCCGGGTCTGGGAGTCTGGGTGGCGAGCCTGCTGCTCAGGAGGGCCCTGGCTCCGCCGGTGGCCCTGGGGTAAAGTCTGGGAGGCAGAGGGTCCGGCTAGGCC	8
wt-12570-12690	4387	GGGAAAGTGGAGGGGATCGCCCGGTCTCTGTTGGCAGAGTCCGGCGATCCTCTGAGACCTCCGGGCCGGAGGGTCCGCTCAGCCCCAGACAGACCCAGGGTCTCCAGGCAG	8
wt-12690-12810	4388	GGTCCGGCATCTCAGGGCAGCAGGCTACCACCACAGGCCCCAGACCCGGTCTCGGCCAGCCAGCCGACCGGCCCGCGCTGCCCTCTCTGGGCCAGCCCGGGGTTGG	12
wt-12810-12930	4389	TTCTGCCCTCTCTGTCTTTCAGAGGAACAGGACCTCGGGCACCCAGAGCCCTCGGGCCCGCTCCAGGCCTCTCGGTCTCCGCTCCCTCTGAGCCCCGTTAAACCCAAA	8
wt-12930-13050	4390	GAATGTCTGAGGGAGCCACCCTCGGGCCAGGCCAGAGTCCAGAGTCCAGGGTCCCGGGCCAGCTCTCCCTTTTATAAAGTGTGAACAGTGATTTCAGTAAAACTAAGAGATAATTTGGTGTCACTT	12
wt-13050-13170	4391	CAGAGGCCGGTCTCGCCCTTCCCGGGCTTCAGAGCCAGGATGCCCCAGAAGGGACCTAGGCGTCCCTCTCTCCCTCCAGGCCCGAGCCTCTCCCTCGCGGAGAGGGGCC	8
wt-13170-13290	4392	TCTTTGGGCCCTCAAGTCCAGCCCACCGAGACCCGAGTGGCCGGATCCCCCACCGCCCTTCTCTGTCCCTGCTCTCTCAAACCTTGGCTCCACCTAGACCCAGCTTCTG	8
wt-13290-13410	4393	GCCTCCCGGGTCCACAGGCCAGCCGAGGGGACCCGGCAGCCCGGGCAGTCCGCTTCCCTCTCCCTGGCTCTCTCCCGCTCCACCCAGGCCCCCTCAGCTTGCCTCCCCAC	12
wt-13410-13530	4394	CGGGTCCATCAGGCCGGCCGAGGACCCCGGGCCGGTGTGAGTCCCGCTGACGCCCGCCAGTCTGCTCCAGGCAAGGGCCAGCTTTTCTCCCCAGCCTGAGGCCAGT	8
wt-13530-13650	4395	CTCCTGTGCAGTGTCTGTAAGTCCAGCTCCACGCCCTCGAGGGTCCCGGGCCAGCTCTGCCACCCCTCCACCGGTGGACAGGCCCTCTGCCACCCTCCCGGCTCCCGCCCT	8
wt-13650-13770	4396	CCTGTGTCCACCCAGTCCCGTCCAGGGGGACTTTATGTGACCCTTGGGCTGGCTCCCCATAGACTCCCATGTAAGCCTGCCTCGAGTAGTGCCTCCAGAGCCCTTTTGGCCCCCT	4
wt-13770-13890	4397	GGCGGCCAGCCGACCCCGGGCCGCCCAAACCTTTGTCCAGATGTCCAGGGTCCCGAGGGTAGGCCCAGCCCTCCCGCCCTGTCCACTGCCCGGTCCCGCCAGAAGCCCC	12
wt-13890-14010	4398	AAAAGTAGAGGCTCAGGCCATGCGCGCCCTGTACCAGGCCCTGCCAAAGAGCCAGATCTAAGGCCGGGAGAGGACGCCCAAAGCGGGTGCAGTAACAGGTAATCTCTGGTAGTGATTG	4
wt-14010-14130	4399	GACCCGAAATCTGACACTTTAGAGCTTGGAGGACTTAAACTCTAAAACTAAAACTTTAGAGGCCAATGGGCGCCATTTTGTCCCAAGCGCCGATAATGGCGGACCTAGGCCATAA	4
wt-14130-14250	4400	ACCCCGAGGAAGCGGGTCTATGGTGGCTCGCTGCTGATCTTTAGAGGGGAAAAGGAATAAGCCCCAGACAGGGGAGTGGCTTGTGTTGACTTCACAAAGTCCAGGGCCA	4
wt-14250-14370	4401	AGGGGGTTCGCGTTGCTAGGCCACTTCTCAGTCCAGCCGCTTACGTCCAGCCGCTTACGTAAAGCCAGACAGACCCAAATGTCAAGTCTAGGGAGGGGAGCCACTGCCCTGGTATAAAGTGGTCTGCAGC	4
wt-14370-14490	4402	TATTTCTGGTGCATCAGAGCGCCAGGAGTCCACACAATGTAAGAGGGGTCTTCTACCTCTCCCTAGCCCTCCGCCCTCCAAGGACTCGGGCCAGTTTCTAACTTTTCCCTTCC	4
wt-14490-14610	4403	CTCCCTCGTCTTGCCTGCGCCGGGGCCACCTTATCACCCTGCGTGACTCCGCCATCAAAGCCTAGGGGAGACCAGTGAAGGCCCTGGACCAACCCGGCCCGGGCCCGGTTATC	8
wt-14610-14730	4404	GGGCCAGAGGTAAGTGACTTTAATTTTTCTGCTAAGCCCAACACTCCACCACCCAGGCACACACTACACACCCACCCGCTCTCAGGGTCCCTCGGACAGCTCTAAGAAGGCAC	4
wt-14730-14850	4405	CGTTCGCCAGTCTACCAGAGGGGCCAAGAACCAGACGAGTCCGTAGAAGGTCCTCGTCCAGCAAGAAGAGGAGTGGTAAGCGGTTACCTTCAGGGTAAAGTAACTGACCTCT	4
wt-14850-14970	4406	CCAGGGCTCACATAAAGGGAGGCTTAGTATACATGCTTCTGCTTTTACAGGAACCTGGGGGCTAGTCTGGTGGGATTAGGCTGCCTCAAGTTGCATCAGCCAGGGCTTATGCCCTC	4
wt-14970-15090	4407	CTCAGTTCCTAGTCCCGGGCTTCAGGCCCTCCGTCGCCCTCCAGAGACCCGGGCTTCAGGCCCTGCTCTCTGTTACCTTTTAGAACCACAGCCTGGACACATGTGCCAGA	4
wt-15090-15210	4408	CGCCTTGGCTCTAAGGCCCTCGGGTCCCGCTGGACCCGGCCCTCAGCAACCTGCTGCTCCCTCTGTCACCCAGCCTCCCGCCCTCCCGTCCCGCTTCGCTCTGATCTCCCCC	8
wt-15210-15330	4409	GGTCCCAAGTAGGGCCGCTGCCCTTGCACCCAGTACCTGCCCTCTTGGCCACGCACCCCGGGCCAGGCCACCTTAGACCCGGCCAAAGCCCATCCCTGAAGCCAGCGGCCATTC	8
wt-15330-15450	4410	TCTCTGGTAACGAGCAGAGAAGTAGAGGCCCGGGCCATTGGGCCAGATTGAGAGACCAGTCCAGGGCCCGAGGTTGGAGCCAGCGGCCACCCAGGTTCCAGCACCCGGTCCCT	8
wt-15450-15570	4411	CCGGGGGACAGAGACAGGACAGGGCCCGCCCGGAGCTGGCCCGAGGAGGCGCCCGAGTGGGGCCGCTCGGCTGGGCTGGCCGAGCCCGGGTCTGGGAGTCTGGGTGGCGAGCCTGCT	12
wt-15570-15690	4412	GTCTCAGGAGGGGCTGGCTCCGCCGGTGGCCCTGGGGTAAAGTCTGGGAGGCAGAGGGTCCGGCTAGGCCCGGGAAAGTGGAGGGGATCGCCCGGGTCTGTTGGCAGAGTCCGGGC	8
wt-15690-15810	4413	GATCCTCTGAGACCTCCGGGCCGGAGGTCGCCCTCAGCCCCAGACAGACCCAGGGTCTCCAGGCAGGGTCCGGCATCTCAGGGGACAGAGGCTCACCACCACAGGCCCCCGAG	8
wt-15810-15930	4414	ACCCGGGTCTCGGCCAGCCGAGCCGACCCGGCCCGCGCTGCGCCTCTCCGGGCCAGCCCGCGGGTGGTCTGCCCTCTCTGTCTTCCAGAGAACCCAGGGACCTCGGGCACC	8
wt-15930-16050	4415	CCAGAGCCCTCGGGCCCGCTCAGCCGCGCTCTGGTCTCCGCTCCCTCTGAGCCCGTTAAACCCAAAGAAATGTCTGAGGGGAGCCACCTCGGGGCCAGGCCCCAGAGTCCAGA	8
wt-16050-16170	4416	GGTACAGGGCACCTCAGGGTGCCTCCCGGGTCCAGGCCAGCCGGAGGGACCCCGGAGCCCGGGCCAGAGCCGTTCTCGCCCTTCCCGGGCTTCAGAGCCCAAGGATG	12
wt-16170-16290	4417	CCCCAGAAGGGACCTAGGCGTCCCTCTCCTCCCTCCAGGCCCGAGCCTCTCCCTCGCGGAGAGGGCCCTTTGGGCCCTCAAGTCCAGCCCAAGGAGACCCAGTGGCCCGGAT	8
wt-16290-16410	4418	CCCCCACCGGCCCTTCTCTGTCCCTGCTCTCTCAAACCTTGCCTCACCTAGACCCAGCTTCTGGCTCCCGGGTCCACAGGCCAGCCGGAGGACCCCGCAGCCCGGG	8
wt-16410-16530	4419	CGAGTTCGCTTCCCTCTCCCTGGCTCTCTCCCGCTCCACCCAGCCCGCTCAGCTTGCCTCCCAAGCCGGTCCATAGGCCGGCCGAGGAGACCCCGGCCCGGGTGTGAGT	8
wt-16530-16650	4420	CCCCCTGCAGCCGCCAGTCTCTGCTCCAGGCAAGGGCCAGCTTTTCTCCCCAGCCTGAGGCCAGCTCTCTGTCAGTGTCTGTAAGTCCAGCCTCCACGCCCTCCAGCCGTCACCGC	8
wt-16650-16770	4421	TCCCGGCCAGCTCTGCCACCTCCACCGTGCAGGCCAGCCCGGAGGGACCCCGGAGCCCTGTGCCACCCAGCCGCTCCCGTCCAGGGGGACTTTATGTACCTTTG	8
wt-16770-16890	4422	GGCCTGGCTCCCATAGACTCCCATGTAAGCTGCTCCAGTGTGCTCCAGAGCCCTTTCCCGCCCTGGCGGCCAGCCCGACCCCGGGCCGCCCAAACCTTTGTCAGATGTC	8
wt-16890-17010	4423	CAGGGTCCCGAGGGTGAAGCCAGCCCTCCCGCCCTGTCCACTGCCCGGTCCCGCAGAAGGCCCAAAAGTAGAGGCTCAGGCCATGCGCGCCCTGTACCAGGCTGCCAAA	8
wt-17010-17130	4424	GAGCCAGATCTAAGGCCGGAGAGGCAGCCCAAAGCGGGTGCAGTAACAGGTAATCTCTGGTAGTGATTGGACCCGAAATCTGACACTTTAGAGCTCTGAGGACTTAAACTCTAA	4



wt-17130-17250	4425	AAATCAAACCTTTAGAGGCGAATGGGCGCCATTTGTCCCCAGCGCGGCATAATGGCGGACCTAGGCCTAAACCCCGAGGAAGCGGGTCTATGGTTGGCTGCGCTGCTGCTATCTTTAG	4
wt-17250-17370	4426	AGGGGAAAAGAGGAATAAGCCCCAGACAGGGGAGTGGGCTTGTGTGACTTACCAAAGGTACAGGGCCAAAGGGGTTGCGGTTGCTAGGCCACCTTCTCAGTCCAGCGGTTTACGT	4
wt-17370-17490	4427	AAGCCAGACAGCAGCCAATTGTGCTTCTAGGGAGGGGACCCTGCCCTGGTATAAAGTGGTCTGCAGCTATTTCTGGTCCGATCAGAGCGCCAGGAGTCCACACAAATGTAAGAGG	4
wt-17610-17730	4429	ACTCCGCCATCCAAGCCTAGGGGAGACCAGAGTGAAGGCCCTGGACCAACCCCGCCCGGGCCCGCGTATCGGGCCAGAGGTAAGTGGACTTAATTTTTCTGTAAAGCCCAACTC	4
wt-17730-17850	4430	CACCACCCAGGCACACACTACACACCCACCCCGTCTCAGGGTCCCTCCGGACAGCTCCTAAGAAGCGACCCGGTCCGCCAGTCTACCAGAGGGGGCCAAAGAACCCAGACGAGTCCGT	4
wt-17850-17970	4431	AGAAGGTCTCTGTCAGCAAGAAGAGGAGTGGTAAAGGCTTACCTTCCAGGGTAAAGTAACTGACCTCAGCCTCCAGGCTACATAAAGGAGGCTTAGTATACATGCTTCTGCTTTTC	4
wt-17970-18090	4432	ACAGGAACCTGGGGGCTAGTCTGGGTGGGATTAGGCTGCCTCAAGTTGCATCAGCCAGGGGTTTCATGCCCTCCCTCAGTTCCCTAGTCCCGGGCTTCCAGCCCTCCCGCTCC	4
wt-18210-18330	4434	AACCTGCTGCTCCCTCCTGCCACCCAGCCTCCCGCCCTCCCGTCCCGCTTCCGCTCCTGATCCTCCCGGGTCCCGAGTAGGGCCGCTGCCCGCTGCACCCAGTACCTGCCCTC	8
wt-18330-18450	4435	TTGGCCACGCACCCCGGGCCAGGCCACTTAGACCCGGCCAAAGCCCATCCCTGAAGACCCAGCGGCCATTCTCTGGTAAAGAGCAGAGAAGAAGTAGAGGCCCGCGGCCATTGGGCC	8
wt-18450-18570	4436	CAGATTGAGAGACCAAGTCCAGGGCCCGGAGTTGGAGCCAGCGGCCACCCAGGTCCAGACCCCGGTCCCTCCGGGGGGCAGAGACAGGCAGGGCCCCCGGCAGCTGGCCCCGAGGAG	8
wt-18570-18690	4437	GCGCCCGAGTGGGGCCGGTGGCTGGCTGGCCGAGCCCGGCTGGGAGTCTGGGTGGCAGCCTGCTGCTCAGGAGGGGCTGGCTCCCGGGTGGCCCTGGGTAAGTCTGG	12
wt-18690-18810	4438	GAGGCAGAGGGTCCGCCTAGGCCAGGGGCTTTGGGCCCTCAAGTCCAGCCCAAGGAGTCCCGGCTCTGTGGCAGAGTCCGGCCGATCCTCTGAGACCTCCGGGCCGGACGGTCCGCCCTCAGCCCCAG	8
wt-18810-18930	4439	ACAGACCCAGGGTCTCCAGGCAGGGTCCGGCATCTTACAGGGCAGCAGGCTACCACACAGGCCCCAGACCCGGGTCTCGGCCAGCCAGCCGACCCGGCCCGCCCTGGCCCTC	8
wt-18930-19050	4440	CTCGGGCCAGCCCGGGGGTGGTTCTGCCCTCTCTGTCTTCCAGAGAACAGGACCTCGGGCACCAGAGCCCTCGGGCCCGCTCCAGGGCCCTCTGGTCTCCGCTCC	8
wt-19050-19170	4441	CCTCTGAGCCCGTAAACCCAAAGAATGTCTGAGGGAGGCCACCTCGGGGCCAGGCCCCAGAGTCCAGAGGTCCAGGGGACCTCAGGGTGCCTCCCGGGTCCAGGCCAGCCGGAG	8
wt-19170-19290	4442	GGACCCCGCAGCCCGGGGGCCAGAGGCCGGTTCCTCGCCCTTCCCGGGTTCAGAGCCAGGATGTCCCCAGAAAGGACCTAGGCGTCCCTCTCTCCCTCCAGGCCCA	8
wt-19290-19410	4443	GCCTCTCCCTCGCGAGAGGGGCTCTTTGGGCCCTCAAGTCCAGCCCAAGGAGTCCCGGCTCTGTGGCAGAGTCCGGCCGATCCTCTGAGACCTCCGGGCCGGACGGTCCGCCCTCAGCCCCAG	8
wt-19410-19530	4444	CTCCACCTAGACCCAGCTTCTGGCTCCCGGGTCCACAGGCCAGCCGAGGGACCCGGCAGCCCGGGCAGTCCGCTTCCCTCTCCCTGGCCTCTCTTCCCGCTCCACCCG	8
wt-19530-19650	4445	AGCCCTCAGCTTGCCTCCACCCGGGTCCATCAGGCCGGCCGAGGGACCCGGCGGCCGGTGTGCTCAGTCCCGCTGCAGCCGCCAGTCTCTGCTCCAGGCAAGGGCCAGCTTT	8
wt-19650-19770	4446	TCTCCCCCAGCCTGAGGCCAGTCTCCTGTGCACTGTCTGTAAGTCCAGCCTCCACGCCCTCCAGGGTCCCGGGCCAGCCTCGTCCACCCCTCCACAGGTTGACAGGCCCTCT	8
wt-19770-19890	4447	GTCCACCCGGCCATCCCGCCCCCTGTGTCCACCCAGTCCCGTCCAGGGGGGACTTTATGTGACCTTGGGCTGGCTCCCATAGACTCCCATGTAAGCTGCCTCGAGTAGGTGC	8
wt-19890-20010	4448	CTCCAGACCCCTTTTGGCCCTGGCGGCCAGCCGACCCCGGGGCCCCCAAACTTTGTCCAGATGTCCAGGGTCCCGAGGGTGGCCCGAGCCCTCCCGCCCTGTCACCT	8
wt-20010-20130	4449	GCCCCGGTCCCCCAGAACCCCAAAAGTAGAGGCTCAGGCCATGCGCGCCTGTACCAGGCTGCCAAAGAGCCAGATCTAAGCCGGGAGAGGCAGCCCCAAAGCGGGTGCAGTAA	8
wt-20130-20250	4450	CAGGTAATCTCTGGTAGTGATTTGGACCCGAAATCTGACACTTTAGAGCTCTGGAGGACTTTAAAACCTAAAACTAAAACTTTAGAGGCGAATGGGCGCATTGTGCCACGCGG	4
wt-20250-20370	4451	CATAATGGCGACCTAGGCCTAAACCCCAAGGAAGCGGGTCTATGGTTGGCTGCCTGCTGCTATCTTTAGAGGGGAAAGAGGAATAAGCCCCAGACAGGGGAGTGGGCTTGTGTTGT	4
wt-20370-20490	4452	GACTTCACCAAAGTTCAGGGCCCAAGGGGTTGCGGTTGCTAGGCCACCTTCTCAGTCCAGCGGTTTACGTAAGCCAGACAGCAGCCAAATTGTCAGTTCTAGGGAGGGGGACCACTGCC	4
wt-20490-20610	4453	CCTGGTATAAAGTGGTCTGCAGCTATTTCTGGTGCATCAGAGCCAGGAGTCCACACAAATGTAAGAGGGGTTCTTACCTCTCCCTAGCCCTCCGCGCCCTCAAGGACTCGGGC	4
wt-20610-20730	4454	CCAGTTTCTAATTTTTCCCTTCCCTCCCTCGCTTGGCCCTCGCCCGGGCCACCTTCAACCTCGCTGACTCCCAAGCCTAGGGGAGACCCAAAGTGAAGCCCTGGACCA	4
wt-20730-20850	4455	ACCCGGCCCGGGCCCCCGGTATCGGGCCAGAGGTAAGTGGACTTTAATTTTTTCTGCTAAGCCCAACTCCACCACCCAGGCACACACTACACACCCACCCGCTCAGGGTCCC	4
wt-20850-20970	4456	CTCGGACAGCTCCTAAGAAGGCACCGGTGCGCCAGTCTACCAGAGGGGGCCAAAGACCCAGAGGAGTCCGTAGAAGGGTCTCGTCCAGCAAGAAGAGGAGGTGGTAAGCGGTTACCT	4
wt-20970-21090	4457	TCAGGGGTAAGTAACCTGACCTCCTCAGGGTCCACATAAAGGGAGGCTTAGTATACATGCTTCTGCTTTTACAGGAACCTGGGGGCTAGTCTGGTGGGATTAGGCTGCCTCAAGTTG	4
wt-21090-21210	4458	CATCAGCCAGGGCTCATGCCCTCCTCAGTTCCTAGTCCCGGGCTCAGGCCCTCCGTCGCCGCTCCAGACCCGGGCTTCCAGCCCTGCTCTCCTGTTACCTTTTAAAC	4
wt-21210-21330	4459	CACAGCCTGGACACATGTGCCAGACGCTTGGCCCTAAGGCCCTCGGGTCCCGCTGACCCCGGCCCTCAGAACCCCTGCTGCTCCCTCCTGCCACCCAGCCTCCCGCCCTCCCGCTC	8
wt-21330-21450	4460	CCCCTTCCCTGATCCTCCCGGGTCCCGAGTAGGGCCGCTGCCCGCTGCACCCAGTACCTGCCCTTGTGGCCAGCACCCCGGGCCAGGCCACCTTAGACCCGGCCAAAGCCCA	8
wt-21450-21570	4461	TCCCTGAAGACCCAGCGGCCATTCTCTGTGTAACGAGCAGAGAAGAAGTAGAGGCCCGGGCCATTGGGCCAGATTGAGAGACCAGTCCAGGGGCCGAGGTTGGAGCCAGCGGGCAC	4
wt-21570-21690	4462	CCGAGGTCCAGCACCCGGTCCCTCCGGGGGAGAGACAGGCAGGGCCCCCGGCAGCTGGCCCCAGAGAGGCGCCCGAGTGGGGCCGGTCCGGTGGGCTGGCCAGCCCGGGTCTGG	12
wt-21690-21810	4463	GAGGTCTGGGGTGGCAGCCTGCTGTCTCAGGAGGGGCTGGCTCCCGGGTGGCCCTGGGTAAGTCTGGGAGGCAGAGGTCGGCTAGGCCCGGGAAAGTGGAGGGGGATCGCCCG	8
wt-21810-21930	4464	GGTCTCTGTTGGCAGAGTCCGGGCGATCCTCTGAGACCTCCGGGCCCGGACGGTCCCGCTCAGCCCCAGACAGACCCAGGGTCTCCAGGCAGGGTCCGGCATCTTACGGGGCAGCA	8
wt-21930-22050	4465	GGCTACCACCACAGGCCCCAGACCCGGGTCTCGGCCAGCCAGCCGACCCGGCCCGCCGCTGGCGCTCCTCGGGCCAGCCCGCGGGTGGTTCTGCCCTCTCTGTGCTTCA	12
wt-22050-22170	4466	GAGGAACCAGGACCTCGGGCACCCAGAGCCCTCGGGCCGCTCCAGGGCCCTCTGGTCTCCGCTCCCTCTGAGCCCGTTAAACCCAAAGAATGTCTGAGGGAGGCCACCTC	8
wt-22170-22290	4467	GGGGCCAGGCCCCAGAGTCCAGAGGTCCAGGGGACCTCAGGGTGCCTCCCGGGTCCAGGCCAGCCGGAAGGACCCCGGAGCCCGGGCCAGCCAGGCCGGTCTCTGCCCTTC	12
wt-22290-22410	4468	CCCGGGTTCAGAGCCAGGATGTCCCCAGAAGGGACCTAGGCGTCCCTCTCTCCCTCCAGGCCGAGCCTCCTCCGCGGAGAGGGGCTCTTTGGGCCCTCAAGTCCAGCCC	8
wt-22410-22530	4469	CACCGAGCCCGAGTGGCCGGATCCCCACCCAGGGCCCTCTCTGTCGCCCTGCTCCTCAACCTTCGCTCCACCCAGACCCAGCTTCTGGCCCTCCCGGGTCCAGCCAGCCAG	8
wt-22530-22650	4470	CCGGAGGACCCCGCAGCCCGGGCAGTCCGCTTCCCTCTCCCTGGCCTCTCTTCCCGCTCCACCCAGCCCTCAGCTTGCCTCCACCCGGGTCATCAGCCCGCCGGAGG	12
wt-22650-22770	4471	GACCCCGCGCCCGGTGTAGTCCCGCTGCAGCCGCCAGTCTGCTCCTCAGGCAAGGGCCAGCTTTTCTCCCGCAGCCTGAGGCCAGTCTCTGTGCACTGTCTGTAAGTCT	8
wt-22770-22890	4472	CAGCCTCCACGCCCTCCACGGCTCCCGGGCCAGCCTCGTCCACCCCTCCCGCAGGTTGACAGGCCCTCTGTCCACCCGGGCAATCCCGCCCGCTGTGTCCACCCAGTCCCGTCC	12
wt-22890-23010	4473	AGGGGGGACTTTATGTGACCTTGGGCGTGGGCTCCCATAGACTCCATGTAAGCCTGCCTCGAGTAGGTGCTCCAGAGCCCTTTTGGCCCTGCGGGCCAGCCCGCCCGGGC	8
wt-23010-23130	4474	GCCCCAAACTTTGTCCAGATGTCCAGGGTCCCGAGGGTGGCCAGCCAGCCCTCCCGCTGCTCCTCAGCTCCCGGGTCCCGCCAGAACCCCAAGTAGAGCTCAGCCATGCG	8
wt-23130-23250	4475	CGCCCTGTACACAGCCTGCCAAAGAGCCAGATCTAAGCCCGGAGAGGACGCCCAAGCCGGTGCAGTAAAGGTAATCTCTGGTGTGATTGGACCCGAAATCTGACACTTTAGAG	4
wt-23250-23370	4476	CTCTGGAGGACTTTAAACTCTAAAACTAAAACTTTAGAGGCGAATGGGCGCCATTTGTCCCGCAGCGGCATAATGGCGGACCTAGGCCTAAACCCCGAGGAAGCGGGTCTATGGT	4
wt-23370-23490	4477	TGGCTGCGCTGCTATCTTTAGAGGGGAAAGAGGAATAAGCCCCAGACAGGGGAGTGGGCTTGTGTTGACTTACCAAAGGTACAGGGCCAAAGGGGTTGCGGTTGCTAGGCCAC	4

wt-23490-23610	4478	CTTCTCAGTCCAGCGCTTTACGTAAGCCAGACAGCAGCCAATTGTCACTTCTAGGGAGGGGACCCTGCCCTGGTATAAAGTGGTCTGCAGCTATTTCTGGTGCATCAGAGCGCC	4
wt-23610-23730	4479	AGGAGTCCACACAAATGTAAGAGGGGCTTCTACCTCTCCCTAGCCCTCGCCCCCTCAAAGGACTCGGGCCAGTTTTCTAACTTTTCCCTTCCCTCGTCTTGCCTGCGCCCG	4
wt-23850-23970	4481	TTTTTCTGCTAAGCCCAACACTCCACCACCCAGGCACACACTACACACCCACCCTGTCCAGGGTCCCTCGGACAGCTCTAAGAAGGCACCCGGTCCGGCAGTCTACCAGAGGG	4
wt-23970-24090	4482	GGCCAAGAACCAGACGAGTCCGTAGAAAGGGTCTCGTCAGCAAGAAAGAGGAGTGGTAAAGCGTTTCACTTTCAGGGGTAAGTAACCTGACCTCTCCAGGGCTCACATAAAGGGAGGCT	4
wt-24090-24210	4483	TAGTATACATGCTTCTTGCTTTTACAGGAACTGGGGGCTAGTCTGGGTGGGATTAGGTCGCCCTCAAGTTGCATCAGCCAGGGCTTTCATGCCCTCCCTAGTCCCTCCGGGCTT	4
wt-24330-24450	4485	GTCCCCTGGACCCCGCCCTCAGCAACCTGTCTCCCTCTGACCCACCCAGCTCCCCCTCCCGTCCCTTGCCTGTATCTCCCGGTCGCCAGTAGGGCCCGCTGCC	12
wt-24570-24690	4487	GTAGAGGCCCGCGCCATTGGCCCAAGATTGAGAGACCACTGACCCAGGCGGAGTGTGAGGGAGCCACCCCGGGCCAGGTCACAGCACCCCGGTCACCGCTCCGCGGGGAGGGG	8
wt-24690-24810	4488	CCCCCGCAGCTGCCCGGAGGAGGCGCCGAGTGGGGCGGTGGCTGGGCTGGCCAGCCCGGCTGGGAGTGTGGGTGGCGAGCTGTCTCAGGAGGGGCTGGTCCCG	12
wt-24810-24930	4489	CGGGTGGCCCTGGGGTAAGTCTGGGAGGAGAGGGTCGGCTAGGCCCGGGGAGTGGAGGGGATCGCCCGGGTCTGTGGTGGCAGAGTCCGGGGATCCTGTGAGACCCTCGGGGCC	8
wt-24930-25050	4490	GGACGTCGCCCTCAGCCCCCAGACAGACCCAGGGTCTCCAGGACAGGTCGCGCATCTTCAGGGGACAGAGGCTCACACCACAGGCCCCAGACCCGGTCTCGGCCAGCCGAGCC	8
wt-25050-25170	4491	GACCGCCCCCGCCTGGCCCTCTCGGGCCAGCCCGGGTGGTCTGCCCTCTCTGTCTTCAGAGAACAGGAGCTCGGCCACCCAGAGCCCTCGGGCCCGCTCC	12
wt-25170-25290	4492	AGGGCCCTCTGGTCTCCGCTCCCTCTGACCCAGCCGTAAACCACAAAGAAATGTCTGAGGGAGCCACCCCGGGCCAGGTCACAGCTCCGCGGGGACCTCAGAGGCGCT	8
wt-25290-25410	4493	CCCCGGTCCCAGGCCAGCCGAGGGACCCCGGCAGCCCGGGCGGCCAGAGGCCGTTCTCGCCCTTCCCGGGTTCAGAGCCAGGATGTCCCCAGAAAGGACCCTAGGCGTC	12
wt-25410-25530	4494	CCCTCTCTCCCTCCAGGCCGAGGCTCTCCCTCGGGAGAGGGGGCTTGTGGCCCTCAAGTCAGCCACCAGAGCCGAGTGGCCGGATCCCCACCAGGCCCTTCTCTGT	8
wt-25530-25650	4495	CCCCCTGCTCTCTCAACCTTCGCTCCACCTAGACCCAGCTTCTGGCTCCCGGGTCCACCAGGCCAGCCGAGGGACCCCGGCAGCCCGGGGAGTCCCTTCCCTTCCCTGG	8
wt-25650-25770	4496	CCTCTCTCCCGCTCCACCCGAGCCCTCAGCTGGCTCCCCACCGGTCATCAGCCCGCCGGAGGGACCCCGGGCGCCGTTGTCAGTCCCCCTGCAGCCCGCCAGTCTGT	12
wt-25770-25890	4497	CCCTCAGCAAGGGGCCAGCTTTTCTCCCCAGCCTGAGGCCAGTCTCTGTGCACTGTCTGTAAGTCCAGCCTCCACGCCCTCCACGGCTCCCGGGCCAGCCTGTCCACCC	8
wt-25890-26010	4498	CTCCCACGGTGGACAGGCCCTGTGTCACCCGGGCATCCCGCCCTGTGTCCACCCAGTCCCGTCCAGGGGGACTTTATGTGACCTTGGGCTGGTCCCCATAGACTCCCA	8
wt-26010-26130	4499	TGTAAGCTGCTCGAGTAGTGCCTCCAGAGCCCTTTTGGCCCTGGCGGCCAGCCGACCCCGGGCGCCCAAACCTTTGTCCAGATGTCCAGGGTCCCGAGGGTGAAGGCC	8
wt-26130-26250	4500	AGCCCTCCCGCCCTGTCCACTGCCCGTCCCGCCAGAAAGCCCAAAGTAGAGGCTCAGGCCATCGCGCCCTGTACCAGGCTGCCAAAGAGCCAGATCTAAGGCCGGAGAG	8
wt-26250-26370	4501	GCAGCCCCAAGCGGGTGCAGTAAAGTAACTCTGGTAGTATTGGACCCGAAATCTGACACTTTAGAGCTTGGAGGACTTTAAACTCTAAAATCAAACCTTTAGAGGCGAATG	4
wt-26370-26490	4502	GCGCCATTTTGTCCCCAGCGCCGATAATGGCGGACTAGCCATAAACCCAGGAAAGGGGCTCTGGTCTGCTGCTATCTTTAGAGGGAAAGGGGAGAGATAAGGCCCC	4
wt-26490-26610	4503	AGACAGGGGAGTGGGCTTTGTGTACTTCAACAAAGTCCAGGCCAAAGGGGTTGCGTGTGCTAGGCCACTTCTCAGTCCAGCGCTTACGTAAGCCAGACAGCAAAATGTCA	4
wt-26610-26730	4504	GTTCTAGGGAGGGGACCCTGCCCTGGTAAAGTGGTCTCGAGCTATTTCTGGTGCATCAGAGCCAGGAGTCCACAAATGTAAGAGGGGTTCTTACCTCTCCCTAGCCC	4
wt-26850-26970	4506	GACCGAAGTGAAGGCCCTGGACCAACCGGCCCGGGCCCGGGTATCGGGCCAGAGTAAAGTGAAGTTAATTTTTTCTGCTAAGCCCAACTCCACACACCCAGGCACACATACA	4
wt-26970-27090	4507	CACACCACGGTCTCAGGGTCCCTCGGACAGCTCTAAGAAGGCACCGTCCGCCAGTCTACAGAGGGGGCCAAAGAACCAGACGAGTCCGTAGAAGGGTCTCGTCCAGCAAGAA	4
wt-27090-27210	4508	GAGGAGCTGGTAAGCGTTACCTTCCAGGGTAAAGTAACTGACCTCTCCAGGGCTCACATAAAGGGAGGCTTAGTATACATGCTTTGCTTTTACAGGAACTGGGGCTAGTCTGG	4
wt-27210-27330	4509	GTGGGATTAGGCTGCCCAAGTTGCATCAGCCAGGGCTTCATGCCCTCTCAGTTCCTAGTTCCCTAGTCCCGGGCTTTCAGGCCCTCCCGTCCCGCTCCCGGTCCTCCAGCCCTG	8
wt-27330-27450	4510	CCTCTCTGTTACCTTTTGAACACAGCCCTGGACACATGTGCCAGACGCTTGGCTCTAAGGCCCTCGGTCCCGCTGGACCCCGCCCTCAGCAACCTGCTGCTCCCTCTGCCA	4
wt-27450-27570	4511	CCCCAGCTCCCGCTCCCGTCCCGTCTGCTCTGATCTCCCGGGTCCCAAGTGGGCCGCTGCCCGCTGACCCAGTACTGCCCCTCTTGGCCAGCACCACCGGGCCAGGC	12
wt-27570-27690	4512	CACCTTAGACCCGGCAAGCCCATCCCTGAAGACCCAGCGCCATTCTCTGTTAACGAGCAGAGAAGAAGTAGAGGCCCGGGCATTGGGCCAGATTGAGAGACAGTCCAGGGG	4
wt-27690-27810	4513	CCGAGGTTGGAGCCAGCGGCCACCCAGGTCACCAGACCCGGTCCCTCGGGGGGACAGACAGGAGGCCCGCCCGGAGTGGGCGGCTCGGC	12
wt-27810-27930	4514	TGGGCTGGCCGAGCCGGGCTGGGAGTCTGGGTTGGGCTGGGAGGCTGCTGTCTCAGGAGGGCCCTGGCTCCCGGGTGGCCCTGGGTAAAGTCTGGGAGCAGAGGGTCCGCTAGGCC	8
wt-27930-28050	4515	GGGGAAGTGGAGGGGATCGCCGGTCTGTTGGCAGAGTCCGGGCGATCCTGTGAGACCCTCCGGCCCGGAGGTCGCCCTCAGCCCCCAGACAGACCCAGGGTCTCCAGGCAG	8
wt-28050-28170	4516	GGTCCGGCATCTCAGGGGACGAGGCTACCACCAGAGCCCGCCAGACCCGGTCTCGGCCAGCCGAGCCGACCGGCCCGCGCTGGCGCTCTCGGGCCAGCCGCGGGTTGG	12
wt-28170-28290	4517	TTCTGCCCTCTCTGTCTTCCAGAGAAACAGGACCTCGGGCAGCCAGAGCCCTCGGGCCGCTCCAGCCGCTCCAGGCGCCCTCTGGTCTCCGCTCCCTCTGAGCCCGTTAAACCCAAA	8
wt-28290-28410	4518	GAATGCTGAGGGGAGCCACCTCGGGGCCAGGCCAGAGTCCAGAGGTGAGGGGACCTCAGGGTGCCTCCCGGGTCCAGGCCAGCCGAGGGAGCCCGGAGCCCGGGCGGCC	12
wt-28410-28530	4519	CAGAGCCGGTCTCTCGCCCTTCCCGGGCTTCAGAGCCAGGATGTCGCCCAAGAGGACCTAGGCGTCCCTCTCTCCCTCCAGGCCGAGCCCTCCCTCGCGGAGAGGGGCC	8
wt-28530-28650	4520	TCTTGGGCCCTCAAGTCCAGCCACCCAGACCCGAGTGGCCGGATCCCCCACCGGCTTCTCTGTCCCTGCTCTTCCAACTTCGCTCCACCTAGACCCAGCTTCTG	8
wt-28650-28770	4521	GGCTCCCGGGTCCACAGGCCAGCCGGAGGGACCCGGCAGCCGGGCGAGTGCCTTCCCTCTCCCTGGCTCTCTTCCCGCTCCACCCGAGCCCTCAGCTTGCCTCCCCAC	12
wt-28770-28890	4522	CGGGTCCATCAGGCCGCGGAGGGACCCGGCGCCGGTGTCACTCCCGCTGACGCCCGCCAGTCTGCTCAGGCAAGGGGCCAGCTTTTCTCCCGCCAGCCTGAGGCCAGT	8
wt-28890-29010	4523	CTCCTGTGCACTGTCTGAAAGTCCAGCCTCCCACGGCTCCCGGGCCAGCTCTGTCACCCCTCCCGAGGTTGACAGGCCCCCTGTCCACCCGGGCCATCCCCGCC	8
wt-29010-29130	4524	CCTGTGTCACCCAGTCCCGTCCAGGGGACTTTATGTGACCCTTGGCCCTGGCTCCCATAGACTCCCATGTAAGCTGCTCCAGTGGTCCAGAGCCCTTTTCCCGCT	4
wt-29130-29250	4525	GGCGGCCAGCCAGCCCGGGCCGCCCCAACTTTGTCCAGATGTCCAGGGTCCCGAGGGTGGAGCCAGCCCGTCCCGCCCTGTCACCTGCCCGGTCCCGCCAGAGCCCGCC	12
wt-29250-29370	4526	AAAAGTAGAGGCTCAGGCCATGCGCCCTGTACCAGGCTGCCAAAGAGCCAGATCTAAGCCGGGAGAGGCAGCCCAAAGCGGGTGCAGTAACAGGTAATCTCTGGTAGTATTG	4
wt-29370-29490	4527	GACCCGAAATCTGACACTTTAGACTCTGGAGGACTTTAAACTCTAAAACTCAAACCTTAGAGGCGAATGGGCGCCATTTTGTCCCAACCGCGCATAATGGCGGACCTAGGCCATAA	4
wt-29490-29610	4528	ACCCCCAGGAAGCGGGTCTATGGTTGGCTGCGTGTCTATCTTAGAGGGGAAAGAGGAATAAGCCCGGAGAGGAGTGGGCTTGTGTGACTTCAACAAAGTCCAGGCGCCA	4
wt-29610-29730	4529	AGGGGGTTCGCGTGGTAGGCTTCTAGCTCAGCGCTTACGTAAAGGAGAGGAGGAGTGTGACTGTAAGGAGGGGAGGAGGAGCCAGTCCCGTGGTAAAGGTTGCTGCAGC	4
wt-29730-29850	4530	TATTTCTGGTGCATCAGAGCGCCAGGAGTCCACAAATGTAAGAGGGGTTCTTACCTCTCCCTAGCCCTCCCGCCCTCCAAGGACTCGGGCCAGTTTCTAACTTTTCCCTTCC	4
wt-29850-29970	4531	CTCCCTGCTTGCCTCGCCCGGGGCCACCTTATCACCGTGCCTGACTCCGCTCCAGCTCCAGCTAGGGGAGACCGAAGTGAAGGCCCTGGACCAACCCGCGGCCCGGCCGATC	8
wt-29970-30090	4532	GGGCCAGAGGTAAGTGGACTTTAATTTTTTCTGCTAAGCCCAACACTCCACCACCCAGGCACACACTACACACCCACCCGCTCTCAGGGTCCCTCGGACAGCTCTAAGAAGGCAC	4

wt-30090-30210	4533	CGGTCGCCAGTCTACCAGAGGGGGCAAGAACCAGACGAGTCCGTAGAAAGGTCCTCGTCCAGCAAGAAGAGGAGGTGGTAAGCGGTTACCTTCAGGGTAAAGTAACCTGACCTCT	4
wt-30210-30330	4534	CCAGGGCTCACATAAAGGAGGCTTAGTATACATTGCTTCTTCTTTTCCAGGAACCTGGGGGCTAGTCTGGTGGGATTAGGCTGCCTCAAGTTGCATCAGCCAGGGCTTCATGCCCTC	4
wt-30330-30450	4535	CTCAGTTCCTAGTCCCGGGCTTCAGGCCCTCCGTCCTCCAGACACCGGGCTTCAGGCCCTGCCTCTCTGTTACCTTTTGAACACAGCCTGGACACATGTGCCAGA	4
wt-30450-30570	4536	CGCCTTGGCCTTAAGGCCCTCGGGTCCCTCCGACCCCGGCTCAGCAACCTGCTGCTCCCTCCTGCCACCCAGCCTCCCCCTCCCGTCCCTTCGCTCCTGATCCTCCCTCC	8
wt-30570-30690	4537	GGTCCCCAGTAGGGCCGCTGCCCTGCACCCAGTACCTGCCCTCTTGGCCACGCCACCCGGCCAGGCCACCTTAGACCCGGCCAAGCCCCATCCTGAAGACCAGCGGCCATTC	8
wt-30690-30810	4538	TCTCTGTTAACGAGCAGAGAAGTAGAGGCCCGCGCCATTGGCCCGAGTTAGACAGCAGTCCAGGGCCGAGTTGGAGCCAGCGGCACCCGAGTCCAGCAGCCGGTCCCT	8
wt-30810-30930	4539	CCGGGGGAGACAGACAGGCAGGGCCCGCCGACGCTGGCCAGCCGAGGAGCCCGGAGTGGGGCTGGCCGAGCCCGGCTTCGGAGGTTCTGGGTGGCGAGCCCTGCT	12
wt-30930-31050	4540	GTCTCAGGAGGGGCTGGCTCCGCCGGTGGCCCTGGGGTAAAGTCTGGGAGGCAGAGGGTCCGGCTAGGCCCGGGGAAGTGGAGGGGATCGCCCGGGTCTCTGTTGGCAGAGTCCGGGC	8
wt-31050-31170	4541	GATCCTCTGAGACCTCCGGGCCCCGAGCGTCCGCTCAGCCCCCAGACAGACCCAGGGTCTCCAGGCAGGGTCCGGCATTCAGGGGCAGCAGGCTCACCACCAGGCCCCCCAG	8
wt-31170-31290	4542	ACCCGGTCTCGGCCAGCCGAGCCGACCCGCCCGCCGCTGGCGCTCCTCGGGGCCAGCCCGGGGTTGGTCTGCCCTCTCTGTCTTCAGAGGAACCAGGGACCTCGGGCACC	8
wt-31290-31410	4543	CCAGAGCCCTCGGGCCGCTCCAGCCGCTCCTGGTCTCCGCTCCCTCTGAGCCCGTTAAACCAAGAATGTCTGAGGGAGCCACCTCGGGCCAGGCCCCAGATCCAGA	8
wt-31410-31530	4544	GGTCAGGGGCACCTCAGGGTCCCTCCCGGGTCCACAGCCGAGCCGAGGAGCCCGGACGCCGAGCCCGGCGCCAGAGCCGTTCTCCCGGCTTCAGAGCCAGGATGT	12
wt-31530-31650	4545	CCCCAGAAGGGACCTAGGCGTCCCTCCTCCCTCCAGGCCCGAGCCTCCTCCGCGGAGAGGGGCTCTTTGGCCCTCAAGTCCAGCCCAAGGAGCCGAGTGGCCGGAT	8
wt-31650-31770	4546	CCCCCAGCCGCTTCTCTGTGCCCTGCTCCTCCAACTTGGCTCCACCTAGACCCAGCTTCTGGCTCCCGGGTCCACAGGCCAGCCGAGGGACCCCGGAGCCCGG	8
wt-31770-31890	4547	CGAGTGCCTTCCCTCCTCCCTGGCTCCTCCGCGCTCCACCCAGCCCTCAGCTTGCCTCCCAAGGGTCCATCAGCCGGCCGGAGGACCCCGGCGCCGGTGTAGTC	8
wt-31890-32010	4548	CCCCGAGCCGCCAGTCTGCTCCAGGCAAGGGCCGAGCTTTTCCCCCGAGCCTGAGGCCAGTCTCTGTGACTGTCTGTAAGTCCAGCCTCCACGCCCTCCAGCC	8
wt-32010-32130	4549	TCCCGGGCCAGCCTCGTCCACCCTCCACAGGTTGACAGCCCTCTGTCCACCCGGCCATCCCGCCCGCTGTGTCCACCAGTCCCGTCCAGGGGGGACTTTATGTACCCTTG	8
wt-32130-32250	4550	GGCCTGGCTCCCATAGACTCCCATGTAAGCCTGCCTCGAGTAGGTGCCTCCAGAGCCCTTTTCCCGCTGGCGGCCAGCCCGAGCCCGGGCGCCCAAACTTTGTCCAGATGC	8
wt-32250-32370	4551	CAGGGTCCCGAGGGTGAAGCCAGCCCTCCCGCCCTGTCCTGCTCCCGGTCCCGCCAGAACCCCAAGTGAAGGCTCAGGCCATCGCGCCCTGTCCAGGCCCTGCCAAA	8
wt-32370-32490	4552	GAGCCAGATTAAGGCCGGGAGAGGACGCCCAAGGGGTGCAGTAACAGGTAATCTGTGTAGTATTGGACCCGAAATCTGACACTTTAGAGCTCGGAGGACTTTAAACTCTAA	4
wt-32490-32610	4553	AAATCAAACTTTAGAGCGAATGGCGCCATTTTGTCCACGCGCGCATAATGGCGGACCTAGGCCATAAACCCCGAGGAAGCGGCTATGGTGGCTGCGCTGTCTATCTTTAG	4
wt-32610-32730	4554	AGGGGAAAAGAGGAATAAGCCAGACAGGGGAGTGGCTGTTTGTGACTTACCAGAGGTGAGGGCCAAAGGGGTTGCGTGGTAGGGCCACTTCAGTCCAGCGCTTACGT	4
wt-32730-32850	4555	AAGCCAGACAGCAAAATGTGAGTCTAGGGAGGGGACCCTGCCCTGGTATAAAGTGGTCTGCAGTATTCTGGTGCATCAGAGCCAGGAGTCCACACAAATGTAAGAGG	4
wt-32970-33090	4557	ACTCCGCATCAAGCCTAGGGGAGACCAGTGAAGCCCTGGACCAACCCGGCCCGGGCCCGGATCGGGCCAGAGGTAAGTGGACTTAATTTTTCTGCTAAGCCCAACTC	4
wt-33090-33210	4558	CACCACCCAGGCACACACTACACACCCACCCGCTCAGGGTCCCTCGGACAGCTCTAAGAAGGCACCGGTCCGCCAGTCTACCAGAGGGGGCCAAAGACCAGACGAGTCCGT	4
wt-33210-33330	4559	AGAAGGTCTCGTCCAGCAAGAAGAGGAGGTTGTAAGCGGTTACCTTCAGGGTAAAGTAACTGACCTTCCAGGGTCCACATAAAGGGAGGCTTAGTATACATGCTTCTGCTTTTC	4
wt-33330-33450	4560	ACAGGAACCTGGGGCTAGTCTGGTGGGATTAGGCTGCCTCAAGTTGCATCAGCAGGGCTCATGCCCTCCTCAGTCCCTAGTCCCGGGCTCAGGCCCTCCGTCCTCCGCTCCT	4
wt-33570-33690	4562	AACCTGCTGCTCCCTCCTCCCTGCCACCCAGCCCTCCCGCCCTCCCGTCCCGCTTCCGCTCCTGATCCTCCCGGTCAGTGGCCAGCCAGCCCGGCTCCCGCTGACCCAGTCCCGCTC	8
wt-33690-33810	4563	TTGGCCACGACCCCGGGCCAGGCCACCTTAGACCCGGCCAGCCCATCCCTGAAGACCCAGCGGCCATTCTCTGGTAAAGCAGCAGAGAAGAAGTAGAGGCCCGCGCCATTGGGCC	8
wt-33810-33930	4564	CAGATTGAGAGACCAGTCCAGGGCCGAGGTTGGAGCCAGCGGCACCCAGGTTCCAGCACCAGGTCCTCCGGGGGAGAGACAGGCAGGCCCCCGGAGCTGGCCCGGAGGAG	8
wt-33930-34050	4565	GCGCCGGAGTGGGGCCGGTGGCTGGCTGGCCGAGCCGGGTCTGGGAGGTCTGGGTGGCAGGCTGCTGTCTCAGGAGGGGCTGGCTCCGCGGGTGGCCCTGGGGTAAAGTCTGG	12
wt-34050-34170	4566	GAGCAGAGGTCGGCTAGGCCGGGAAGTGGAGGGGATCGCCGGTCTCTGTTGCAGAGTCCGGGCGATCCTCTGAGACCTCCGGCCCGGACCGTCCGCTCAGCCCCAG	8
wt-34170-34290	4567	ACAGACCCAGGGTCCAGGCAGGGTCCGGCATCTCAGGGGACGAGGCTCACCACACAGGCCCCCAAGCCCGGTCGGCCAGCCGAGCCGACCCCGCCGCTGGCGCCTC	8
wt-34290-34410	4568	CTCGGGCCAGCCCGGGGTTGGTCTGCCCTCTCTGTCTCAGAGGAACCCAGGACCTCGGGCACCCAGAGCCCTCGGGCCGCTCCAGGCCTCCTGGTCTCCGCTCC	8
wt-34410-34530	4569	CCTCTAGCCCGTTAAACCCAAAGATGTCTGAGGGGAGCCACCTCGGGGCCAGGCCCCAGAGTCCAGAGGTCAGGGGACCTCAGGGTGCCTCCCGGGTCCAGGCCAGCCGGAG	8
wt-34530-34650	4570	GGACCCCGCAGCCCGGGCCGCCAGAGCCGGTTCCTCGCCCTTCCCGGGCTTCCAGAGCCAGGATGTCACCCAGAAAGGACCCATAGGCGTCCCTCCTCCCTCCAGGCCCGA	8
wt-34650-34770	4571	GCCTCCTCGGGAGAGGGGCTCTTTGGCCCTCAAGTCCAGCCCAAGGAGCCGAGTGGCCGGATCCCGCCAGCCCTTCTCTGTCCCTTCTCCTCCCAACTTCG	8
wt-34770-34890	4572	CTCCACCTAGACCCAGCTTCTGGCTCCCGGGTCCACAGGCCAGCCGAGGAGCCCGGACCCCGGAGCCCGGGCAGTCCGCTTCCCTCCTCCCTGCGCTCTCCTCCCGCTCCACCCG	8
wt-34890-35010	4573	AGCCCTCAGCTTGCCTCCACCCGGTCCATCAGGCCGGCCGAGGGACCCCGGGCCGGTGTAGTCCCGCTGCAGCCGCCAGTCTCTGCTCCAGGCAAGGGCCAGCTTT	8
wt-35010-35130	4574	TCTCCCCCAGCCTGAGGCCAGTCTCTGTGCACTGTCTGTAAGTCCAGCCTCCACGCCGTCACGGCTCCCGGGCCAGCCTCGTCCACCCCTCCACGGTGGACAGGCCCTCT	8
wt-35130-35250	4575	GTCCACCCGGGCATCCCGCCCCCTGTGTCCACCCAGTCCCGTCCAGGGGGGACTTTATGTACCTTGGGCTGGCTCCCATAGACTCCATGTAAGCTGCCTCGAGTAGGTGC	8
wt-35250-35370	4576	CTCCAGAGCCCTTTTGGCCCTGGCGGCCAGCCCGACCCCGGGCCCGCCAACTTTGTCCAGATGCCAGGGTCCCGAGGGTGGGCCAGCCCTCTCGCCAAAGCTGCTT	8
wt-35370-35490	4577	TGATTCCTGGGATTTTTGGGAATGTTAACTTTTCCCTTGTATTTGCTATTCAATCAACTGATCCCGCTGCATACCTCCACTTACAACCAAGCCACTACGGCCACGTCC	4
wt-35490-35610	4578	CGGCTCCCGCTCGGTAAGTGTCTTTTCACTTTAGCCCCAGCCCTCCTATAAAGTCTAGGCAAACTCCAATCACCAGCCACTTCCAATGTAGTCTCTAGAGAGTGGCTGCTA	4
wt-35610-35730	4579	CGCATTAGAGACCCTTTGAGCCACCAAGTAACCCAGCGCAATCTGTCTACATAGAAGAAGAAGGATGAAGACTAAGTACAGGCTTAGCCAGGTGATTGTGAATTTCACT	4
wt-35730-35850	4580	TTATTTACTTCTCCAATCAAGCTTCCAGCCCTCCGCTTGTAGTCTAGTATGGTTTTCCATGGGGGACTTAGTATCCGTTCTATTAGATTAACGTGCAAGACGCTAAACTTAA	4
wt-35850-35970	4581	CCAAGGTACGCAAGGACGCGTTATCCAGGGTCCACCCAGGATTTCCCGCCAAATCCCTCCTCCTCTTTATGCCATGTGTGTTGTGGCTGTGTTAGTGTATGTAA	4
wt-35970-36090	4582	TGCTGTCCCGCAGGTGGACGCTGTTATAGATGTGCAGTACCCCTAATGTAGGTCTGCTTTAGGGTGGCCAGTCCAGTACCTAGGATTAATCAGCTGATCCCTTCCCTCA	4
wt-36090-36210	4583	CCCGCAGTAAACCCAGCACTGGCGTGTGACGTGTGAAAGTTTTGCCTGAACCTGTGTTGGCCAGGTACATGCCAAACCTTCAAGCACCAGCCTGTGTTTTGCTTTACTGGCG	4
wt-36210-36330	4584	CCATCATGCTACATTTCTGCTTACATGGGGGACAAACATATCATCTAATTTGTGACACGGATAGTCTTGGAAACCCGCTACTCTCAGTAATCCCTCGAATCCCTACCAGGAAC	4
wt-36570-36690	4585	GATATGACGTCGGGATGACCTTAGCATCTGCTATGCGAATGCTTTGGATGGCTAATTAATTGTAAGACAATCACGGGGTACCCGGGGCTTATTTGCCACAAGGCCACAACAG	4

wt-36690-36810	4586	CCCTCAGGCCAGTTGGTCCAGCCACATGTCCCCCTCTACGCCGACAGCACCACCAATTTGTCACTCTGTGACAAACCGAGGCTTACCCCTCCACAACCACTCATGATGCCACCAA	4
wt-36810-36930	4587	GGCTACCCCTCCTACCCCTCTGCCACCTGCAACACTAACGGTGCCACCAAGGCCCTACCCGTCTACCCTCTGCCACCCACACCACTACTCACGGTACTACAAGGCCCTACCGAACTTC	4
wt-36930-37050	4588	AACCCACACCATCACCACCACGCATGCATCTCCCTGTCTTGATGTGCCAGACCAATCAATGCACCCTTACTCATCAAAGCACCCCAAAATGATCCAGATAGTCCAGAACCACGGTCCC	4
wt-37050-37170	4589	CGACTGTATTTTATAACATTCCACCTATGCCATTACCCCCCTCACAATTGCCACCACCAGCAGCACACAGCCACCTCCAGGGGTATCAACGACCACAAATTACATCATCTACCCT	4
wt-37290-37410	4590	AGTCCAGGGACAAGCAACGCAAGCCGGTGGAGACTTGGAGACCAGAGCCAAACACTCCAGCTTAGCATGCCTGAACCTAAGTCCAGTCTCGGTCTTATCAGGGACAAGGGGCTGGGG	4
wt-37410-37530	4591	ACTCACCACTCTGGCCCATCAATGCCGCCCCGTTGTAGAAATCACACAGCCCAACCCCTAACGTTTACCAATACATGAACCCGGAGTCCCATATAGCCAGAGGCTCCCATTC	4
wt-37530-37650	4592	CTTCCCGGATGATTGGTATCCTCCATCTATAGACCACCAGCAGACTTAGAACAGATGGGCAAGTGTACATTTTTGAGACAACAGAAATCTCTAGCTCAGATGAAGATTATGTGGAGGCCCA	4
wt-37650-37770	4593	GTAAGAACCTCGCCCTCCATCCAGTAAAACCCCTTGCCTCTCCAGCAACCAATGTATCCAAATAAATGTTACTTCTTTGCTCTTAACCATTGACACGCCTGTCACTTCTAAT	4
wt-37770-37890	4594	AAACAAGGGAAAAGGTTAGCTATCCACCAACACGACCCCAAGGAGGCTGCCAAAATTTGGTGCCTTGTCTCAGCACTTGCCAGCACTTATAGCATGGTAGGAGCTCAACTCG	4
wt-37890-38010	4595	GCCCGTCTTACTGCCACGCTACTCTCCACTCCAGTCCATGTTCCGACTCCTATGCATTTCTGCCCTCCCACTTTTACCCAGTCCCAACCCAAAACACACACACATAGAATTG	4
wt-38010-38130	4596	TTAGTTAAACAGTTTATTGATAGTGGCTGCTTTAGCCTAATTGTGATTGCTCTGTTGCCAAAACCTGTTAAGGGCCCGCACCCGCAACATGGGAAAACATAACCGCCCAT	4
wt-38130-38250	4597	CCCATGGGAGGGTAGAGCGGTTGACATGTAGGTGAGTAGTATAAAGACATGGGCAAGTAGAGGTTACTTTTAGAGTGTAGTGTACAGGCCCGGCGCAACAGTGCCACCAACCCG	4
wt-38250-38370	4598	GGGTCTGAGCATTCCATGGGCAGCAGGGACACTGCACTACCCAGGTCCTGGGGCAGCCGGGTTCTGGCGCTCCGGGGCAGCCGGCCGCGCCGGTGGTCCGCTGGGCCGCTGC	12
wt-38370-38490	4599	CCCGTCCGGGTGGGGGTGGCCCGCTGGGCACCGCTGCCCGCCGCCAGGTCTGGGGCAGCCGGGTTCTGGCGCTCCGGGGCAGCCGGCCGCGCCGGTGGTCCGCTGGGCC	12
wt-38490-38610	4600	GCTGCCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCGCTGCCCGCCGCCAGTCTGGGGCAGCCGGGTTCTGGCGCTCCGGGGCAGCCGGCCGCGCCGGTGGTCCGCT	12
wt-38610-38730	4601	GGGCCGCTCCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCGCTGCCCGCCGCCAGTCTGGGGCAGCCGGGTTCTGGCGCTCCGGGGCAGCCGGCCGCGCCGGTGGT	12
wt-38730-38850	4602	CCGCTGGGCCGCTGCCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCGCTGCCCGCCGCCAGTCTGGGGCAGCCGGGTTCTGGCGCTCCGGGGCAGCCGGCCGCGCCG	16
wt-38850-38970	4603	TGGTCCGCTGGGCCGCTGCCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCGCTGCCCGCCGCCAGTCTGGGGCAGCCGGGTTCTGGCGCTCCGGGGCAGCCGGCCGCGCC	12
wt-38970-39090	4604	GCCGGTGGTCCGCTGGGCCGCTGCCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCGCTGCCCGCCGCCAGTCTGGGGCAGCCGGGTTCTGGCGCTCCGGGGCAGCCGGG	12
wt-39090-39210	4605	CGCCGCCGCTGGTCCGCTGGCCGCTGCCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCGCTGCCCGCCGCCAGTCTGGGGCAGCCGGGTTCTGGCGCTCCGGGGCAG	12
wt-39210-39330	4606	CCGGGGCCCGCCGGTGGGTCGCTGGGCCGCTGCCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCGCTGCCCGCCGCCAGTCTGGGGCAGCCGGGTTCTGGCGCTCCGGG	12
wt-39330-39450	4607	GGCAGCCGGCCGCGCCGCTGGTCCGCTGGGCCGCTGCCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCGCTGCCCGCCGCCAGTCTGGGGCAGCCGGGTTCTGGCGCT	12
wt-39450-39570	4608	CCGGGGCAGCCGGCCGCGCCGGTGGTCCGCTGGGCCGCTGCCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCGCTGCCCGCCGCCAGTCTGGGGCAGCCGGGTTCTG	12
wt-39570-39690	4609	GCGCTCCGGGGCAGCCGGCCGCGCCGGTGGTCCGCTGGGCCGCTGCCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCGCTGCCCGCCGCCAGTCTGGGGCAGCCGGGTT	16
wt-39690-39810	4610	TCCTGGCGCTCCGGGGCAGCCGGCCGCGCCGGTGGTCCGCTGGGCCGCTGCCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCGCTGCCCGCCGCCAGGTTCTGGGGCAGCC	12
wt-39810-39930	4611	GGGGTCTCGCGCTCCACTGCACCTGGAATGCAGGGTGGGGGTGGTCCCTGGACCCCAAGCCCGCGATCCCTCCCCAGGGCGTACCCGGCTTGCTGGTCTGGGGCTCTCTG	8
wt-39930-40050	4612	GGGTCTGTCATCCGCGGTAGGTTGCAATGGCGTGGTCCGCTTGTCTGCTGCCCGGTACCGCTGGAATGCCGGTGGGGTGGGGTGGGGTGGGGTGGGGTGGGGTGGGGTGGGGT	12
wt-40050-40170	4613	CCGGTCCCTCCCCAGGGCGTCCCGCTGGCCGCTGGCCGCTGGCCGCTGGCCGCTGGCCGCTGGCCGCTGGCCGCTGGCCGCTGGCCGCTGGCCGCTGGCCGCTGGCCGCTGGCCG	8
wt-40170-40290	4614	CCGGTCTGCTGGTCCGCTGCACCTGGAAGGCAGGGGGGGGGCAGTAGAGGAGGGGCTGGTCTGGGACCCCGCCGACTGGCAGGGGGTCCCATGGCACAGGCTAGGGTCCAG	8
wt-40290-40410	4615	GGGGCAGCCGGCCAGCGCCCGCTTACGGGGAGGACCGCCGCGGACCAAGGGCCCGCCGGGGTGGGGGTGGCGCTCCAGGGCCGACCCCTGGTGCAGGAGGGACCC	12
wt-40410-40530	4616	GCGCCACCCGCTCATGGGGGGGAGCCCGCGCAAGGACCGCCGGCCGCTGGGAGGTGTGACCCCGGAGCGTCTGGACGACGCTGGCGAGCCGGCCGGCTCGCTCTTTATCC	8
wt-40530-40650	4617	CTTTTTGGGTCTCTGTGTAATACTTAAAGTTTGGTCTCAGGAGTGGGGCTCTTATTGGTTAATTCAGGTGTGATTTTTAGCCGTTGGTTTTCATTAAGGTGTGCACCAAGTGGG	4
wt-40650-40770	4618	TGGTACCTGGAGTTAATCTATTGGATAACGAGAGGAGGGGCTAGAGGTCCGCGAGATTGGGGTAGCCGAGCCTCAGGAGGGTCCCTCCATAGGGTTGAACCAAGGAGGGGAG	4
wt-40770-40890	4619	GATTGGGCTCCGCCCGATACCTAGTGGGTGGAGCCTAGAGGTAGGTATCCATAGGGTTCCATTATCTGGAGGTATCCTAAGCTCCGCCCTATATACCAGGTGGGTGGAGTAGGT	4
wt-40890-41010	4620	AGGATTACAGTAGGTTCTACTGGGGTACCCCTTACCCTAACCTAAGGTGCGCCACCCCTCCTCCTTCGGTTTTAATGGTAGAATAACCTATAGGTTATTAACCTAGTGGTGAATAGG	4
wt-41010-41130	4621	GTATTGCAGCTGGGTATACCTATAGGTATATAGAACCTAGAGGAAGGGAACCCCTATAGTGAATCCCTCCCCCTTACCCCCCTCCCTTACGGTTGCTGAGCCATCCCCACCC	4
wt-41130-41250	4622	CCAGCACCCGGGGTACGTGGCACCCCGCTGCCTTACTGACTTGCACCTTTGCACATTTGGTCACTGACCGATGCTCGCCACTTCTGGGTATGACTGGCTGTGCCTGTGCTCC	4
wt-41250-41370	4623	GTGGACAATGTCCTCCAGCGTGGTGGCTGCCCTTTGGGATGCATCACTTTGAGCCACTAAGCCCGCGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGTGGT	4
wt-41370-41490	4624	GCCCCGCTTTAGGAAGCACCAGTCCCGGGACGGAAGGGACTTGGGGTATTCTTATGTGGGGTGGAAATATGAGCAAGAATAAGGACGGCTCCTTATAACCTGATCAGCCCG	4
wt-41490-41610	4625	GAGTTGCCTGTTTATCACTAACCCCGGCTGAAGAGGTTGACAAGAAGGGTCAAGGTTTCTGTGTGTTGAAGGGCAGGGGCTGTTGGGTGCATCGAACGGCTTACTCGGGTA	4
wt-41610-41730	4626	ACTGTTGCCATTAAAAGGTTGGGGATTAGGTTAGCCCTTTAGCTGCCATTTGCAACCGGGGTGTCAGATGCAGGTCCGGGTGGGCAGGCAGTACAGATGTACAGTTGTGTTGT	4
wt-41730-41850	4627	CTTCTCCACCCCTGTCTGGCTGTGGCAATGCGACCCTCATAGAGTTGTGTTTTCAGGTCTGTGCTGTTTGGCGTGGGTTATTTCTCCCTCAGTGTGGCAGCTTATTTCCC	4
wt-41850-41970	4628	CAGTTTTACGTACTGGGCCCTGTGACACCTGAGGGAGCGGCTTGGTGGTATGTTGGAAATGCTCCACCCCTCAATTTTCGCTTGCCCTTCCCTTGGTTAACCTGATAGCAT	4
wt-41970-42090	4629	GCCTTAGGTTTCTTAGTCTGTTTGGGTTTGGTTCACGTGGTGTAACTTGAATTTTTGGTTTTCTAGTCCCTTAAATTACATTTGTGCCAGATCTTGTAGAGCAAGATG	4
wt-42090-42210	4630	GCCTATTAACAAGGGAGATACTGTAGCCCTGTGTATACGGGACAGTGTGCATGGAATGGTACCCTGCATCTGTGGAGCTAGCAGCAAGAGAAACACCTCTCCGCTTTCCG	4
wt-42210-42330	4631	CCAGAGGACACTGTAGTTCTGCGTTATCATGTGTGCTTGGAGAGATAATTGAACGAAATTCAGAGACATTTACAGAAACTTGGAAACAGATTTATAACACACACCCGAACATGTGGATCTG	4
wt-42330-42450	4632	GATTTAACTCAGTATTTTATAGATAATTTCCAGCTGGAGACCAAGCCCTGGGGCGCGGTTGGCTGGATGGCCTGGTGCATGCATGCCTGACGAGCAATGTGTTGAACCACTACT	4
wt-42450-42570	4633	CTTACTATGTTGTGACCTGTGAGTCTGGGATGTAGAAAGCTGAGGAGCCGAGGGCTGGATGGTGGATCATCAACAGGGCGGCTGGTCTACATTAATGAAGACAACTTCTGGATCC	4
wt-42570-42690	4634	AGAAGGTTTACTGGACTTTGTTCTTGTGACTGACTTTGAGTCTGTAGTTATATGTAGTTATTTATTTATCTCCAGAGGAAGACACTAATCTATACATTTCTCAGCACTTATAT	4
wt-42690-42810	4635	GAATCAGGGTCATTGGCCCTGCCGGAACTGAGCCAGTAGGATATTAGGCAAGGGTGCACAGTGCCCATGCATTATAATTAACCAACAGTGGTCGTGAGTTTAGCCGGCCATGGG	4
wt-42810-42930	4636	GGCTTACAAGAATAACATGCCAATGACCCGCCCCACTTTTAAATCTGTTGCAGCAGATAGCTGATACCAATGTTATCTTTGCGGCAGAAATGAAAGTGTGGCCATATCTACAA	4

wt-42930-43050	4637	TTGGGTGCTCTAGGTGGGATATACGCCCTGTGGTGTCTAACGGGAAGTGTGAAGCACACACGTAATTTGAAGCGGTGCTTACGCTCTTCGTTAAAAAACAACAAGGACAAGATACTA	4
wt-43050-43170	4638	AAGAAATAACTGAGGTGAGTGTGGGAAAGATGGGAATACTATGTGTATGTTAACGGGTGAGAGCCTACTGACGCCAGACTCGGGGGGAGGAGAAATGGTAAGAGTTATACTCTACT	4
wt-43170-43290	4639	TATCTTTTTGACACTACATTTAACTGTTATGTAAACAATGTTTGCTTATTTTACATGTTCAATAAACCGCTATGTTAATGATGAAGAACCTGTGTCTTTGGAAGTGGGCCAATGGGGTAG	4
wt-43290-43410	4640	TAGGTTTTGGGAGGTGCCGTGCTAGATATTTCAACTGCCACAGACCCCATTTTGTCCCACTGTTACCACATTCAGTCCCTGCATCCAGTGGGCCAGGTGTCTACCATGGCTCTTTC	4
wt-43410-43530	4641	TAGGTGGATACCACAGTCCAGGCCCAAGGCTACCGTGTCTAATACCTCCCTCATGTCCACCCCCACCCCTGTGTACTGTCCGCTGATTATCCTGGCTTAGCAGCTCCAAGTTTATCAA	4
wt-43530-43650	4642	GACGTCCCAATGCCCTGCCCTGGTCCAAGTGTCCGCCGTTTTCCAGCACCTGTTGTAGCCTGCCCAAGTTCGCAGGTTTTCCCCATGCTTCACCCGTTAACCCAATGATCATGACA	4
wt-43650-43770	4643	GCCAATCCAAACACAGGCAAGTTTTAAGAGTAAAGCAACTACTGTTATTTTTCAAATAAGTCTGATGATCTGTAGGCCGACGCTACCCCACTTTCCAGTCTCTGA	4
wt-43770-43890	4644	TGGCCTCGTAGATGGCATCTTCGTGCAGATTGACAGCCTTCTCATATACCGTGTCTCTGGGGTGCACCTTTATACAGAAGGCGTCCCCTACTAGTCCACGGCCAGCTCGTAGTGGGGC	4
wt-43890-44010	4645	CTATGTTTTACATAACAGTTTCAAGCAGGTCTCTGGGATGTGAAGGGAGGTGCCCTGGAGCAGGAGATGCATGATTAGGCCGCCCTTTCCATTGTGTGCTGAAGATGGGGCAGATGGTGC	4
wt-44010-44130	4646	CACAAAAGTGTCCGGTGACCAGGTAAGCGTAGAGAAGGCTGGGTTGGGAAAGTCCAGCCTTACTGCACCTGGGAGAGCTGCTGAGCAGAGACACATAGAAGGCTTTGTGGGTATTATCT	4
wt-44130-44250	4647	TGTGGACATTGTTGAAGAAGGAGAGCTGGTGGAGCTAACTCTGAGGCACATGAACCTGGACCTATTGATGCAGATCTCGCATGAGACCCAGAGCTAGGCTGTGGCCGAAGGGAG	4
wt-44250-44370	4648	ACAGGCCAAAGCCAGGCCCGGGGGAGAGAGTGCACAGTAGACAGTGGGAGAACAACAGCCCTCTGAGACATGATGTTGGGGTGTTCATCTCACCGAGAAAATCTTTGCCAGCTCAAAGTTGG	4
wt-44370-44490	4649	CAGAGATCCCCTGAAGAAGTCCCGTAGTGA AAAATGGGATCTGTCTACACCATGTCTGGTGTGCCGGAAACATATTGATCGGGCCACACTGCCAACCCCTTCCATTCTCCAGCTCTG	4
wt-44490-44610	4650	AGCGAGATTTCCACACCTGGACACCGACTTCAGCTATGGCCGAGGGCTTTGAGGCCGTGTAGTTCTGTGGTCCGGATGCATTAGGCCGGCCAAATCGGGGATCGCCGGTCTGCTGTT	4
wt-44610-44730	4651	GGCGTGCATTACGGCATCTGGGGTGACCGGGGCCATCGGGTTACTTTTACACAGTAGACCTGGGAAAGTTGATAGGACTGACAGGTCAAGGCCGTGGATGCCAGGACCACGTCCA	4
wt-44730-44850	4652	GTTCTTAGTGACATCCACAGGAGTTGTTTTGCCACTTGGCCACTTGTGGATTAAATATGTACACAAGCGTAATTAACGAGTACAGACCCCTGTTCCAGATTCTGACCCGGCTG	4
wt-44850-44970	4653	CAAGCGCTGCCCTAAAGGCCTGGAAGCTGGTGGTAAATCTGACCAAACAGCAGCTCGGATTCGTGATGCTGTGTTGATGGCACAGGGGGTGCAGAACAGGTCTTGGGAAGT	4
wt-44970-45090	4654	CTTGCCGGGTGCACATCTGCAGCCAGGCCCTTAGCCTGGGGCATGGCACATCCAGCAGCGTGTGTTGGTCTTGATGAGGAACAGCATCTGTCTAGGATTTGATGTTGTTGCCGAACG	4
wt-45090-45210	4655	AGTCAAGAATCAGGCTCTTGAGCGGTCAAGGGTCTCTTGCGTCCGGTGGGCCCGAGGCTCTCGCAGAGTGGGCAGATGGTCCGTGAGGCATTCTGTGCTTAGTCCAACATGG	4
wt-45210-45330	4656	GGGCCAGGAGGCAGGGCCCTGCGAATGGTCGCCAGCCTCCGGTCTGGTGTGTTGAGCCAGGGCAACTCCGCCACCTCATCGCCGCTGATTTCCGCGTTTAAACCGATAGCATGGTGGCCCTG	8
wt-45330-45450	4657	GCCCCCGAGCAGGTCCGTCCCCTGCCAGTACCTAATAGTAGTCCACAGTAGTCCGCTTGGTGTAACTTTCAGGAGAGAGTCTCCCTTTCCGGCCCTGAGAAATGGATGCTGAACTC	4
wt-45450-45570	4658	GGTTTTCTGTTAGGCAGTGGCAGCAGGGCCGGTGTACAGCCCTGCCAGCTCCCTGGGCACTCGTGGAAATCTTTCAGGTTCTGGGTCCAGGGGTAAGAAAGTGGGGTGG	4
wt-45570-45690	4659	TTCTGGGCCACATGGACTTGAAGCAGAAGTTGGCCGGGACTGGCCGGTGGAGTGGATTTCAGAAACTCCAATTTGATGAGCCAGGTTGGCATTCTTAATCATGTCAGAAGAGGACA	4
wt-45690-45810	4660	CAGGGAGGAAGCACCGGCAATGTAAAAGTGAAGCTGGATGTCAATGGCAAGAATCTGGAGGCATGAAGAGGGAATCAACCCCGGCCATGGGAAGTATTTTATCAGGATGTGTA	4
wt-45810-45930	4661	AAAAGTCCATGCCTGTGATGAGGCTAGAGATCCAGGCTCGTGGGGCAATTAGACAGTAGTAGCAGAGCAGGGCATTGTCCTCAAAGAAGGCCAGGGGGCATCTGAGTGATTGACCAGGG	4
wt-45930-46050	4662	TGTCGAGCAGATCACAACCTCGGCAGGTGTGGCTGGAGAGAGGGACTCGTAGGTTGGACAGTGGTGGTAGGCTATGCCTTCTCCGCTTGGCTGGAAGATAGGAGTGGGCCATCA	4
wt-46050-46170	4663	AAAGCCGACTGCCTCGAACTGGCTTTTCAGATTGTCCAGGTCCAGGGCACAAGCTCCATCTTGGAGTTCTGCCCAGGATCTGTGCCACTCTTTACGCCACTCTGTGAGGG	4
wt-46170-46290	4664	GGCAGCTGGACAGTCTTTTTCCGGTCAAGGGGTTTGGCTGTTGCGCTCGTGACTTTTGAGCCATGACACACTCTGGGTGGCAAGTTGAGGTCTTCGGGTTTTTAATACCGGGCTCGG	4
wt-46290-46410	4665	CACCAGTTTCTGGGACACCGCCACAAGGACAAGGTGGGCTAGCAAGTTCGAGTCTACGAAGTCTCCGGGGCAGCTTTTGTAGTTCTCGCTATGATCCACCCCAATCTCGCCCCC	4
wt-46410-46530	4666	TAATTGCGCATCTGCCTACGCGAGGCTGAACCTCCTGAATCACTGCATCTTCTTGGGCGTTAAAGAAGAGAATAGTGCCAGGGCCCTCGTGGGGTCCAGCGTGAAGTCTTATTTT	4
wt-46530-46650	4667	TGAAAAGGGATATTATAAAAACAGTCAATTGCTCGGATTGTGGCAGCCGATAGCACCTTAGATCTAGTGAATCATGGCAGCCCGGAAGAGAGGCTCTAGACGAGCTCAATAACGTAATT	4
wt-46650-46770	4668	GTGTCAATTTCTGTGACTCTGGTCTCTGGAAGTGAGAGATGTCCGGGGCCATGTGTTCTCAGGGCCAGCTCCCAACCCCTCTGCACCGTGAAGCTGCGCCAGGACAGATTTAC	4
wt-46770-46890	4669	CACCTGGAGTTTGTCTACAAGTTCCTGGCCCTTAAAGCTGAAGAACTGCAACTACCCCTCCTCGCCGTGTTTTGATATCCAAACAACCGCCCTGGCCACCACCTGAGGTCTTTTTGCAC	4
wt-46890-47010	4670	GAGCCGTCCGGTCTCAGATCGGGCCAGAGCGCCCTTCCCTGGTCTCTCAACGGATGTTGACTACCAAAGAAGTCCATCATTATGCTGGGCCAGGATGACTTCATTAAAGTCAAAGG	4
wt-47010-47130	4671	CCCCTGGTCTCCCTGCTGAGCTTGATCTCTGAAATCTATGTTGGTCTGCCGGCCCTACATACCGAAACACCGGACGACGATGCAGTTTCTGGTGTTCAGGCCCAAGCCCGAGAAG	4
wt-47130-47250	4672	GCCTCGCGGGTACATGGATATGATTAGTGATATGTCTCAGCAACTGTCTCCGCTCTGGTCAAGTCGAGGATACGGGCCAGAGTCAAGGTTGGAGGAGTCCAGGCCGTGGCTACCGCAC	4
wt-47250-47370	4673	TCGGGGTGTCTTGGGGACTCACAGTTAGGGGGCCGGTGGTTGGGACTTGGATACTTTTTCAGAAAGTGTGAGCCAAAGACGAGGGCAGTTACGCTCCTGGAGGGACAAGACTCGTGG	4
wt-47370-47490	4674	TCGGAATCCGAGGCGCGCCGTGGAAGAAGAACTCTGAGGCACCCCTCCGCAAGCAGCCAGGACTCGCCGTATGCGCGGGAGCCATTCAGGGTGAACACGTCGCCCC	8
wt-47610-47730	4676	TGACGTTGCAGGCCCTTGGGGAGCGGGGTTCTCCAGGCTCCTGGATCTGGGGTGGCCTGCCTGGATCTGAGCTATGTGGAATGAGGGAATTTGTGGTGGGGCAGGCCCCAGCTT	4
wt-47730-47850	4677	CTGAGCGGGTGTGGCCTTACGCCAGGCTCGCTTTCCGAAGCCTCGTCCGCTACTGGTGTGTCGGAGGTGGAGAGGCCCGGGGGCTTGTCCGCTGGGCCAGGTACAGACCAGCC	8
wt-47850-47970	4678	CCTCATCCCTGACCTCGCGCCCATCTTGGCCCGTCCCTTGTCCCTTTAGTGTACCCGTTGGTGGTGGAGCCGTTGCAACGCCCTTTTCCAGCTTATTTTTTGG	4
wt-47970-48090	4679	TTGTGGGTCTGTTTTCCCCTGTTTTCCGATAGAATAGCTGCTGGATCTGCGACCCGTCCTTCTGCGAAAACACCCGGGCCCTGGCCAGGGTACCCAGGGCTCGTGAAGAGGT	4
wt-48090-48210	4680	TCTTGGCATTGCTGTTGAGCGTAGTACTAGCCCCCTTTGTTGAGGCAAAACTTAGGCCTGTGAGAGCCTGCTTTGCCATCAAGAAATATGTCGCCGGCCTGGACTACAAGCT	4
wt-48210-48330	4681	GTGTACGCTCCGAGCTTCTCCGCTGGGCCAGTCTACGCCAGCGAGCTCGATCCCGGGAGATTCCGACAGAGTTACACACGCACTGCACCTTCTGCTGGCTGATCATGCCT	4
wt-48330-48450	4682	CGGCTCTATTGGCTCCCTCCAGAAGAAGGCTCCGACACCCCTGTGGGAATCCATTCAGTGGATGGTACCCTGTTGGTAAACTCGTCCCTGAGGAGTGCCACTGTCTTCTGC	4
wt-48450-48570	4683	CTATACCTGCCGTCTCTGAGGGGGGAGAAGAAGCGGGCGGGGGCTAGGGGAGGAGCTCGTGGGGGGCGGGGGCCCTGCCTGAGCCGGGATGTTTCCGTGGCGATCGTAAGCCGCAATG	8
wt-48570-48690	4684	TTCTCTCGTCTGCTGAACGTGCTCCCGGGTCCCGGGCCACAAGTGTTCAGATCCACGCCCTCAGACCCGGTGTCTGGCCGGATTACCCCTTGGCCGTGTTTGCATGG	4
wt-48690-48810	4685	ACTGCGTTACTGCTTGAACTTTGAAGAAGCAGACAGGTGTAGGAGCGACTCAATCTTACAGCCACTCTCAGTTTATCCCGTGAACAGAGGAGAAGCATGTGCTGACTGCTC	4
wt-48810-48930	4686	ATGCCAGCGCCGTGTACTGCTCCAAGTCTCGGCTCTGGCGGTGGGCTGCCAGAGGCTGGCTGAGCCAGCGCCCGCTCGGGCTGGCGGGCCCAATCCGGGGAGTGTGCCCGC	8
wt-48930-49050	4687	ACAACCGGCTACGAGCTCGACCCTGGCTCCCGCTCTGGATGCCATCATCCCCTGTTGGGACCCAGCCACTTGCATCGGGCGGTGGTCTGGGGGGGTGACGGTCAGGCAGC	8
wt-49050-49170	4688	TCCTGATTTAACTTTGCGGACAGAGCCAGAGCCGTTTCTCCTCATCTGTACGAAACGCCAAGCTCCAGAGGACGCCCGCACGAGCCTCACCTGTTCTCCTCTGTTTAGAGGTAGAAT	4

wt-49170-49290	4689	TGCCACCTGGTGAGCGGTGTGGGGCTGCCGTCTCTATCAGACGCGTTATGGCACGCCGGCTGCCAAGCCACCCCTCCAGGGGAGGCTGGAGGCGGATTTCCAGACAGTCCCCTGCTT	8
wt-49290-49410	4690	CCTAAATTTCAAGAGCTGAACCAAGAATAATCTCCCAATGATGTTTTTCGGGAGGCTCAAAGAAGTTACCTGGTATTTCTGACATCCCAGTTCTGTACGAAAGAGTACGTGCAGAGGACT	4
wt-49410-49530	4691	TTTGGGGTGCCCTGGCGCCAACGCGCCATAGACAAGAGGCGAGAGGCGAGTGTGGCTGGGGCTGGTGCTCATGCACACCTGGCGGGTCCAGCAGGCTCAGGCC	8
wt-49530-49650	4692	GCCGCATCCGCTGGGACCGGGGCTGGCATCATCAGCGCCGCTCCACGGCCGAGCCAGTCCCGGACCCCTCTGTTTTCTCATCTATTAGCAGCCCTCGGGCCGCGACTTCGGGGGCG	8
wt-49650-49770	4693	ACTGCCGCCGCTCCGCCGCCAGCCGTCGATACCGGGTCAAGTGGCGGGGACAAACCCAGCACCGCCACCGCGGGGCACGTAAGAACAAGTAAAGAGGGCCACGAACAATGGTGTAT	8
wt-49770-49890	4694	GCATCTTATTAATAACAATACAGATACAAAACCTTGAGTCTCTCGAGTTCGCGATGCGGAGTGGTGGAACCTCCAGCTTGGCGGAAGCTGGCTACGAAGCGAGACAGTACT	4
wt-50010-50130	4696	CCTCCCTGATAATGTCTTCAATAGACAGAAATTTGGTGACCACTGAGGGAGGTTCCACAGTAAATGTTGGTCTGTAGATGGCGCGGGTGAAGGCACGCTTTCGGAACCGAAAGTG	4
wt-50130-50250	4697	CTTGAAAAGGCGCGGGATAGCTGCGCTACCGGATGGCGGGTAAATACATGCTATCCTTACATTTTGGCATTTTGGCAGCTGGGAGGCGGCGGATGGGGTGGCTTTTTCGACCGGTGT	4
wt-50370-50490	4699	CAGGGAGAGACACGCGCGGGGAGATGAGCGCCAGCGGGGCGCGGTGGGCTGCCCCGAGGACGGCGCGCGGCCAGCGCCCCGTGGCCTTTGGCACGGGCTGGCACCCACCG	12
wt-50610-50730	4701	GGCGGGTGCCCTGGGGATGGGAAAGCCGAGCGGCCCTTCTCCCGGTGCAACGCTGGAGTAGCGGAGGCTGTGCGCGCGCGGCCACCACGGCGCAGCGGGTGCAGCCCCGACGGCCG	12
wt-50730-50850	4702	TGGGAGGCGGGTGGCGGAGGGCGAATCTCCCGGCTTCTCCCGCCCCCTGCTGTTCTTCTCCGTTGCATGATAGAATGCCATAGGGTGGTGGCTGAGAGGAGGCTTGTGTGT	4
wt-50850-50970	4703	CCTGGGCTGGAGCCAAAGTCTTAAGATGCGCGCTAGGGTGGGAGTATGCCTTCCCTGCAGCTGGCGGGCTGTAGGGGGCTGAGGGTGAATAACTGGGCTTCTGTGAAGGCA	4
wt-50970-51090	4704	CAAACCCGGAATCTGGATGGTATGTTTCTCTGTGACCCGAGGCGAGTGGTGTAGAGTGTGGAGACAATGTAGACGATGGGCCCTTGTTCAGAAGCCAGGGACTTGGGGGG	4
wt-51090-51210	4705	GCTGTGTGGTGGTGGGAAAGGAGTCCAGGGAATCTTTGGCCATGGCCTTGGGAGCTTCCCGGAGACCGGCTGGGCTCTCGAAGCCCTCGTTTCGGCCCCGAAATAGGGCC	4
wt-51210-51330	4706	TTGCCATCAATCGGGGGCTGGGAGAGTATGGGGCGGCCAATCCCGGGTAACTGTACGCTCCGGGGGAGGAGGTAGGAGACAGCCAGTCCCTGGGCTGCCAGGGGCCACCTTCT	8
wt-51330-51450	4707	CTAAGAGGGGGCTCTGTGGGCTGGGAGGGCCAGAGGCTCAGATTACAGCAGTAGTCTCCCTTTTCCCCTGGTCCGCTCCCTCCTCCAAGTCTGGAGCCGTCGGAGGAGGGCCG	8
wt-51450-51570	4708	GGTGTATCTGCTGACTGAACCCGCTCCCGCTGACCAGTCCGTGCCCAACCCTTGGGGGAAACCGAGAACAGCTCCTGGACGTTGGTGGATTCGGGGGAAGCTGGTATCCAACCG	4
wt-51570-51690	4709	GCAGTGGAGGATCTCTGCTCGTAGAAGGAGGGTGTAGTACATCGGTGCGGCATCGTGGGCGCCGCGCGTTAAAGTAGAACTGCAGTCCGGCAGATTGTCCGATAGGTGAAAC	4
wt-51690-51810	4710	ACTTCCAGATGATGTTTTCTGTTGGCCAGGATGGCCACGGTGGGGGCGCTGGCTCCTTAGTGTGGCGCCCTGGCTCGGTGAGAAGCTCGCGTAGCCACACGGCCTGGCTGCAA	4
wt-51810-51930	4711	AGATTGGACATCTCTGGCTCGAAAGACTCGGAGTAGCCGTCAGAGTCTGCAGAAAATCAGCGAGATGGTCTCCACAGGGACCGGAAGGGCTCAGAGTGCCCGTCCAGTAGAGGAGGG	4
wt-51930-52050	4712	GAGCAACGACCCTGACCTGCCAGGGTCTCAGGTTAAACAGATATTGAGAGGAGACAAGAGAGTATAGGGGCGCAGCCAGGAAAGGGCCGCCACGGCCGCTCAAAAACGGAGACGG	4
wt-52050-52170	4713	GGATGGTGCACCCGAGCCCTTAGGACCGTATGGGAGTGCATAAGGCATAAGATTTCTCAGGGCCGCGGTAACGGTGGCGTAGGAAGAGCGGGTTTCGGGGGGACGCTCGA	4
wt-52170-52290	4714	GTCCCTCCGCCCTGGGAGCTCTTCCGCGTGTATAGCCCTGCTTCAAAAGTCGCGCAGGTAGTCTGAAATGCGACCGGGCCCTCCAGCGGGCGAATGAGTGCCAGAGCTGCTGAA	4
wt-52290-52410	4715	GGCCTCGGGGGCGAAGCACCGGCTGCGAGGAGCAGCATGCAGGCTGGGCGCGGGCCGTACTTGGTTGTGACCAGGCCAAGAACTCGGGGTGCGGCCAGAGGGGCGCTCGGGTAT	8
wt-52410-52530	4716	CCATCTCCTCCAGGCGCTCGAAAGAAGTAGAAGCCGTTGGTGGACCGCGATCGGTTGGCGGGTAGAGGCGCGCGCTTCCCGCTGTTGCTGCCGCGGGTGGTAGGGCATTGC	8
wt-52530-52650	4717	CCCCCTCCCGAGGCTGGACTCCTGACCAGCCTGTAGGTGAGGACCGAGTCCGACAGGAGGTCTCCAAACCCCATCTCTCGCTAGAGCCGAGACAGGCGGAGTCTGCGTAGAACG	8
wt-52650-52770	4718	ATGGGCGCCCAAGGAAGCGGACGCTAGGCGCGATGTGCGCCAGCAGCAGCCCATCTCCGTTGTCCAATAAGTAACTCCCGTCTGTGGCCGGGCTGGATAAGGGGGGT	4
wt-52770-52890	4719	GATTCCTAGAGCGATGAGACTGGCGTGCCTTAAAGTGTATGGGAGTATGGGTTGTGCCAGTTCCTCATAGGGCTTTGGCGCGAGAGACGTAATCCCGAAGCAGCTCCCGG	4
wt-52890-53010	4720	CGTTGGACTCCAGTCCGGCCAGGTGCTCCAGTAGGAGTCCGCGCGGCGGCGCTGAGGCGGGCGGAAGCTACACTGGCAGGGTTCTTCTCCTCTCTTTGGTCATCTCGGGGGAC	8
wt-53010-53130	4721	CAATAGCTGGGGGCGTCCGGCTGGGCTCAGGGAAGGCCCTGGGTTCTCCAGCAGCGTGGGATGACATATTCCAGAAAAGTGTGGTAGACGGGATGAGTGTAGCGGCTCCTGGG	4
wt-53130-53250	4722	TGCTGCGGAGACGTAGCCGGGTTAAGGGGGTGCAGGGAGACTCTGTTTCCAGCCAGAGGGTGGCGGCTATTTCCGCCGCCAGAAATTGCCCGCCGGGTGGGG	8
wt-53250-53370	4723	CTCCATTGCCCATCCAGTTGGTGGTGGCAAACTGTATGAGGAGGGCAGGTTGTTGGTCAAGGATGCTTAACGAAAACGGTAGGCTGGCGGCTCGTAAAAGCCAGGAACTCT	4
wt-53370-53490	4724	GCTTGGCCGAGGCATAGCCGAGCAGCTTGTCTTGAAGAGGCACTAGTGGAGCCAGCCGAGGCCCAAGCCGACGCGCCCTGGCAGCCTCCACACGATCTTGAAGTGGCGCGGGTCCG	8
wt-53610-53730	4726	CCTTGCCCGCGCAGCCGCTTGGGGTCCAACGTGGCCAGAGCCAACCTCAGCTCCTCCATGCCATCCATGGAGTCTGGGCCATGCCCTGACTTCCAGGAGCCGTGTTAGCTCATGAA	4
wt-53730-53850	4727	TTTACCGTACGCGCAGCGGCTAGGTTAGCCAGGACCCCGCCCCAGCTAAGGCCAGGGCTCTTCCGAAAGACCCCGCAGCCCTCGAGATGCCCGGATCCACTTGGCGGCTG	8
wt-53850-53970	4728	CCAGGGATTTCCGGTAGGGCCATGAGCCGTTCCCGCCGCTGCCCGGCGAGGGCGGCTCGAGGGAGCCTGGACAGGGGCTTTGGCGGGGAGGGAAAGCAGGCTCCGGAGTTCATCGT	8
wt-53970-54090	4729	CGGGGCTTCTGCTGCTGACCTGGAGAGGACGGCTCCAGAGCCGTGTGAAAGCCCGCCGAGTCTTCCGCCATCTCGTGGGCTTCCGCATCAGGGTCTGGCTCTCCCGACCTGCT	8
wt-54090-54210	4730	CTTCCAGCAGCCGACCTCGCCGCTCGGCTGGTCAAGCAGCTCCGAGAAGAATCCCCGTGGGCTGGAGGAGATCGTCCCGCTCTCGCTTGTACAGAGCTGGGGCTCTTAGGCC	8
wt-54210-54330	4731	AGAGCGCCGAGTCCGAGGCGAGCCTGGGCGGGCGGTTGCCTGGGGATAGTTGGAGGAGGAGGAGGTTAGCCTGGCCTGGGTCAATAGTGGCTCGGGTACGGTCCGATCCAGTACT	8
wt-54450-54570	4733	TGTCGGGGACTGCAGGGCTGGCGCTGTGCGGAGGGCCGAACGGATGGCATGGCCGCCCTCGTGGCGGAAAGAGGGCCCGGGCGCTTCTCCGCTCCTGCCCTCCTCCTCT	8
wt-54570-54690	4734	CTTTGGCGGTAGCCCGGGGGTGGCGGGCAAGCGTCCAGTCTGGCCAGAGGGCCGCTCGATATCCGTGAACAGCCGGGTTCCGCGCCCTCATTCTCCCGCGCACACCATCGT	8
wt-54690-54810	4735	CCACGAGCAGGGATCGCAGTCTCCTCCTCACCTCGTTATCCCAATAGCATAGCGCAAGGATCTGTGTAGGGAGTCAAAGATGTCCTGTTTCTGGCTACTGCCCGGCTGCTG	4
wt-54810-54930	4736	CCGCGGCTGAGTCCGTAATTGTGCTGACGAGGAGGCGCAGGGGTTCCAGTATCGGGCGAAGTGGGAGCGGGCTTGGGCGTGGCCCCAGCGCCCTTCCATTAATCTGGCCAGGGCT	8
wt-54930-55050	4737	CATTGCGCTCTCGGCTCGCCGCTCCTGCCCTCCTTGTCTTCTGCTTCTCGGAGTCTCCTTTTTCTTGCGCCGGTCCATAAGCTGCCGACGCTTCTTCTACTAGTGTGCTTGA	4
wt-55050-55170	4738	GCTCTTTGTGGGGCAGTGTCCAGAAAGCCCTCGAGCTGTTCTCCTGGTGGCGGCTTAAAGCTTCCGCTCCAGGCGCCAGGCTGCACCTCCTTGTCTGAGCTGATGTTGTTGT	4
wt-55170-55290	4739	TATCTTCAATTTCTGCAGGTAACCTAGGAAGCGTTTCTGAGCTCCTGGGATGAGCGTTTGGGAGAGCTGATTCTGCAGCCAGAGAGTAGTCTAGGGCATTCTCGAGCCGTGAC	4
wt-55290-55410	4740	CTGTGATCGTGCATCATAGACCCCAGTAGACCTGGGAGCAGATTACCAGCGCCGGCTCCTTTAAGGTCTGTGAGTAGCAAATCTGCAAGGCCACTAGGCGGCTGGCTCCA	4
wt-55410-55530	4741	GGCTCAGCGGTTGCCATCTCGAATGTGTCAGGCGCTGAGACCTGGGTCAGGATGGGCTCAATGCCATCGACCTCAGGGTCAAGGAGCCCAAGTACGATAGAGGTTGGT	4
wt-55530-55650	4742	CTATGCTCCTCGAAGGAGCAATGTAGTTATCGATGGTGTAGAAGGATGATTTCAGGATGTTTCATCAGGTAACCTTTTGGAGCGAACAATCGCTGTATAGTGTACAGTGGCGGA	4
wt-55650-55770	4743	TGTACGTGGGTTCTTGGCGCCGACTACGACCCTGCATTTGCGATGACTTTTCTATGACGGGGATGGTAGGGCCGGTGTGGCCAGCGGTGGCTGGGTTGTCGT	4
wt-55770-55890	4744	GGTTGGCGGGTGTGCGAGAGGAGAGCGGGAGAGATGGGGCGCCTGGGGCCAGGCCACACCGGCCAGGCCCAACATGCCTCGATGCTGCCAGGATGGTGGGAGGCGCTTTCTGT	8

wt-55890-56010	4745	TTTCTCTGGTGTCTCGAGCTCTTCTGTTTTTTTTCGCGACTGTCTCAAAGCTTGGGAAGGGGGGCAATGCTGGGGTCTCTCCCTCAAAGCTCGCTCCAGGGGCCAGGGGATACCGCTCATAT	4
wt-56010-56130	4746	CACTAAGGGCGGTGCCAGGTAGAGGAGCTCGCGATAGTCCCATTCAATGGACGTGTACCAGATGTTTAGGAGAGCCAGGGAGGCCGATGATCTGGCATGTGTGCCAGGTTGTGTCAGGA	4
wt-56130-56250	4747	GGTCGTCAAAATCCATCACTGTTGGGAGGCTTGGGTCCTCAAGGTAGGAGAGATAATCGAGGCCGCCAGGGCCACCTTGCCCTGATGTCCGCCGTACACCTGCCGACGTGCAGGGCCG	4
wt-56250-56370	4748	CATTCTTGGACCGGACGGCCAGCTGTGGACAAAGGGGGGCACTGAGGCGCGGGAGGGGCCCCACTACTCTATCCTGTCAAACAGCGCCAAAAGCGGGACGTCCTCTCATCTACCCAG	4
wt-56610-56730	4751	CAGCCAGCATCTTAGCACCGGCTACACCGGACCGCGTCTCTCGTGGCCAGGGACGGCAGGCAGCCAGCTTTCGGCCAGGTGCTTATGAAACTCTCCCGCTCTCCCTTGT	4
wt-56730-56850	4752	CTGATAGCATGTTTGGAGTTTTGGGTTAAGTTCGGAAGTACGAGCTTCCAGGTCCAGCTGGGACGCTCGAGTGTCCGACCTCTTAAAGAACTCCAGCAGATTAGCA	4
wt-56850-56970	4753	CAGACGATCGGTCCTACTCTTATTAGCCGCTGCTCGGAGCAGCTGTACAAAGAGTATGCTATCATCTGCTCAAAGGACCTGCTCCGCTGCGCACTTCCCGGTTAGAGGCCGGTCTAGA	4
wt-56970-57090	4754	CGATGGCCTGTCTGGTGGTATGTCGCGCTTCTCGCAATGTTGCTCTCGAGGGGACAAAAGTCCATCTCAGGAGTCTCTATGTCAAAGGTGGTCTGATAGTATTGGCTCTGGCGG	4
wt-57090-57210	4755	TGTCCAGTGTGATGGGGGACGTGGGGGACGTGATCCCGATCCAGGCTGTGGAGAACACTCATCTTCAAACATGTCTTCATCCTCTGTGGTGGGATATCGGAGGCTAAGTCCGCTCT	4
wt-57210-57330	4756	CCGCTTCTCAGAGTCGGACATGGATAGGAAAGGCTCCTTAGGTCAGACAGGTAGCGGACGAGGCCAGAACCCCAAGATGCATCATCCCAAAGGAGGGCTGTGCCGAAGGAGGGT	4
wt-57330-57450	4757	ATGGGATATCTCCGTTCCAGCCCTGTACGCGCCGGGGGATGGTTTTTTCTGGTTCGAGTGTCTGGTGTGATGGTGGGAGCTGCTGAGCAGGAGGAGAGCCGGGGTAGCTGATGGCA	4
wt-57450-57570	4758	GGGGCTGCTGCTGAGGAGGAAGAGGAGAAGGACGCCGGGCGCTGATGCGGAAGAGTGTGCTGAGGAAAGTGGAGAAGGAGCCGGGCGGCTGATGGCTGGGCTGCTGATGGAA	8
wt-57570-57690	4759	GAAGTGGAGAAGGAGCCGGGGCGGCTGATTGCGGGGGTGTGCTGAGTGGAGGAGGAGAAGAGTCTGGTGGTGGGGGCTGCTGTCAGTCGGGGAAGGGGATGGGGTGGTCAGAG	8
wt-57690-57810	4760	GGATTTTGGTTCGAGGGAGCTGCTGTGGCAGAGGGATGGTATTGTCAAAGGGAGGCCGAGGAGATGGAGTACTGAAGGAGCGATAGTTGAGACTGGCGGGGGTGGGGTGTGGGG	4
wt-57810-57930	4761	AGCGGGTGGTATTGGTGGGATGGGATTACTGGAGGGGGAAGCGAGCTGTGAAGGGGGCGATGGGCCGAAACGTTGGTGCCTGGCAGCTGATCATCCTCTGTGTGATGGTGG	4
wt-57930-58050	4762	AGGACAGAGGAGGCGGCGGCGGAGGTGGGCTTCTGGGGGCTATCTTTGCCAATCCCTTTCTCTGGGAGTCTGAGGCCTGCGCCGCTCAGCCCTTGGTGGCGTGGAGG	8
wt-58050-58170	4763	GAGCGGGACCCCGGGGGTGTACCTAGCCCGGGGATGGGGATGAAGAGGGGAGGGCTGAGGCGGGGCCCGGGAGCCGGGGCCGCGGAGGCCGGGGCCGCGG	12
wt-58170-58290	4764	AGGCCGGGGCCGCGGAGCGGGGGCCGAGAGCCGGGGCCGAGAGGCCGGGGCCGAGAGGCCGGAGACGCGGGGGAGTTGGTCTTTGCAGGACTATACCTGGCGGAGGGAATG	12
wt-58290-58410	4765	AGTCGGATGTAAAGATCGAGAGGGCAGTGGCTGAGGTATACGGTATTATCGCCGTTCAAACGGTAGCATGACGGGAGGGCTGCTATCAGCACCGGGGCTCCCCGCCCTCCCCAT	4
wt-58410-58530	4766	CACTGGACACAAGCTCGGGCCACCAGGTCAAAGCCGCTGCCGTTGGCCTCAAATAAGTCATACACGCCATAGTGTCCAGCATAAAAGTGCGGGGTCCCTCTGTCTCAAAGGCCGCG	4
wt-58530-58650	4767	GTAGAAAATAGAGATGCACGCAAGTGTACTGGGCCCTGGTGCCTCCAGTACTGACGAGTGTGCTGCAGATAGTGTGCTGACTCTGACATGGCGGGGGTCCCGGGGCCCATCCTCT	4
wt-58650-58770	4768	GGCAGTGGGGTCAAACAAGTAGAAGGAGCTCTGTCTCATGATGTCGCCCGCGGTAGATGTCAGATGTAGAGGATGAAGTGGCCACCCGTTGTAAGTGGCGTGCAGGACT	4
wt-58770-58890	4769	CGGCCAGGACTGAAACACTGCCGAGTTTGGCATCTGGGACGGAAATAGACAGGCGAAAGATCTCCGCGAGCGGATATATGTCAGCGCCACCAGCCCTCAGGACACGGAGCTGG	4
wt-58890-59010	4770	GCACGTCCTCACTGGCCATCTCGTCCCTTAGGATGCCGCTTGGCGCATGAGGGCATCCAGCCGCCCTCGTCCAGGACCTGTCAGCTCAGGCGGGAGGTCAGGGGGC	8
wt-59130-59250	4772	CCGAGCCTCACTCCCGCCCCGGGGCATTACATCCATGTCTGATTCCGCGCAGGGGGCCGGTTCCCGGGTGCCTGGCTTTGCCCCAGTCCCGCTTACTCATCTTCGGCGGTG	8
wt-59250-59370	4773	GGGCGGGGAGGACGCTTGTGCCCCCTTCTGGTCCGGGGTCTTACGCGGCTGGCGGGCCGAGCCGCGGAGAGATAAGGGGGTACGTTGTGCTCCGCTCCTCTGTCTGGCCG	8
wt-59370-59490	4774	CCCGCGCCGCTTCCCGCCTTGAAGGAGAGGGGGTAGTCCCGGACTCGCTGCGGGGAGGAGGCTCAAACCTTGGGCTCGGGCCGGTGTGATATCCGATGGCTTCCCTG	8
wt-59490-59610	4775	TCTTCTCGTATGCTCCTCTCTCCCTCCCTCCCGGACCGCCCTGAGATCTGCCCTCCCTCCCTCTCCCTGCTGCTGGTGGGAAAAGTCTGAGGAGGAGAAGGAGAATGGGGAGGAGTCC	4
wt-59610-59730	4776	AAAACGCGACGCCACTGCCGTGGGGCGGTGGTACAGGTCGCCGCTGGCCCGCGCTTGTCTCGCTTCTGCCGTTACCCAGGAGAATGGCCGCGATTTTTGGCGGGGAGGATGCGG	8
wt-59730-59850	4777	AATGGCGGGGCGTGTGTCCACGGGTGAGGGGGAATCGTGGTATAGGGCCGGCACAGAGTGGTGGTCTGACCCGGGCGTGCAGCAAAGGCGGCCGAGAACCGAGGGGCTTCTGGGG	8
wt-59850-59970	4778	GTGACTGTGATCTGTTCCGATTTAGGTCATGGCGGGTGTGATGTTTTAATAGGGGTGGTCTTGGCGGGCAGGATGATGGTCGAGGACGTCACCCAGGGCCTTGAGATGCTCTTG	4
wt-59970-60090	4779	CCTAGATACAGGATGTCGTCCATGCTGAGGGGAGTGGGTGTCTGCTCCCTCCGGAAGCCGCTGGTGGCGGGATGAAGACAGTGGTGGGGGGGCTCTCGCGGACTATGGCC	8
wt-60090-60210	4780	TGGGCACGCTCGCGTGCATGGCGGGTGGCTGGAACAGCGGGGCAATGTGTAATCCCGGAACCGGTAGGCGACGCTGCCCTGAGGGCGCCGTCAGGCTGATCCAGCTCCAGGGCG	8
wt-60210-60330	4781	TGCTCCACCCTCGTGTGAGCTCCTCGAGATCCGAGCGAGGGGCTCGTGGTGTGGGCCAGAGGGGGTATCCGCGATGCCCGGCTCCTCTGAGGGCCGCGACAGGAGGGCCCTT	8
wt-60330-60450	4782	CTGAGGGTGGCGTGTGGCCGTGGCCAGGGCCACCTGGCGGGCGCTCCCGCACACATCTGGATGCCCTCCAGCAGCTTTTAGCGTCTGGAGTCCGTGGAGTAGTGGCGGGG	8
wt-60450-60570	4783	GAGGATGAAACGCTTTTTCTTACCAGCTACCACCCCTCCTCTCTCCCTGCGCCAGAGGGATCTGCACCCCTCCCGGCTCTGCGTCTGACAGGAGCGGGCGGGAGCACAGCCTC	4
wt-60690-60810	4785	GAAAAGAGGGAGGTGGGCCAGGCAAGCGGTGGTCTCCGCGCCCGCTGAAAGTGTGATAGTCTCGGAGATGATGCCTGAGACCTCTCGGACGGCGTCCATGATCTAAGGACTGCG	4
wt-60810-60930	4786	TCGTGGGACGACAGCCCGAGGGGCCCGCCCTTTCCTGCTTCTGCACCCCTCGCTCCTGCGTCCCGGGCTTCCCTTCCCGCTTAAAGTTAGGGGGCGCAGTCCGACCGCTGGGG	8
wt-60930-61050	4787	GACTCCCCAGGCATCGGAGGGGCCCGTACATAGATCTCCAGACGGTGGCGTATAGAGCTCAGAGGACGGCGGGCCGGTTCAGCTCGGGGAAAGGAGGGCCAGGTGCTGCCAAG	8
wt-61050-61170	4788	GAGACCAGCCAGCGCAGGGCGCCAGAGAGCGGGTTTTGGGACGCTGTTGGAGAGGACCCGGCGAAGGGCGGGCCAGATTTGGAACGATGAAAGGGCGCCGGGAGAAAGGGCTGTGG	8
wt-61170-61290	4789	ACATAGGCCGGATCCGCGCGCGCTTTGGCCGGCCCTCAGGGACCGGCAATGTCCTGACGCTGTGTCGCGGGGCGCCGCCACCGCTGCCCTCCTACTGCTCTTCTCCCTGCTCGCCG	8
wt-61290-61410	4790	GGGAGTAGGGGGGGCTTACAGGGGAGGGCCGAGCGGGGCGGGGCTGCCACAGCGGGCTGTAGCGGACCCATAGCAGAGACCTGAGGAGTTGGGATGAAAGGTCCTCCCGCCACCTGC	8
wt-61410-61530	4791	TCATACTCGCCCGGGAGGGGACGATGAAGATGCGGACGAGGGGTTACGGCTGCCAAGGCTCCCGCGCCACCCAGCAGCCGTCGCGGGGGGGCGGGCGGGCGCGGTAGAG	8
wt-61530-61650	4792	GGCCGCTGGTGCAGCGGCTGCTGTCACGGCCTCGGCTCGCCCGCAGGTAGCGCCCGGGCCACAGGGCGAAGCGGCTCTGTTGGGCTCGCGGTGGGCGAGCTCGAAAAAG	12
wt-61650-61770	4793	TGCAGGGCAAAGCCGATAGACTCTTAGGAGGGCGCGGTGGCTCGAGCCACTCCACCGGAGCGGGACACCCGGGGCACAGAGCCAGCATCATGGCTAGTCCCGCCACGGTC	8
wt-61770-61890	4794	TCGTTGAGCCCGGCCGAGAGCAAAAGCTGGCCACCTGCTGATGGCGGTGGAGAGAAGGATGCCCGCTCCCGCCGCTCCGACACAGAGCGCCAGGGCTCCATCTGCGCCG	8
wt-61890-62010	4795	ATCCCGCCAGGAAGGCTCGATGACCGAGTCTGGGACCGGTAAGTGTGTCGAGGAGCGGCTCGTACACATAGTCGTAAGAGGCGCCCTGAGGGCTCAAAGGCGGGAGCCG	4
wt-62010-62130	4796	GCGCGTCAAAGGCCAGGACGGCGACAGCCGCGAGGGGGCTTTGTCCCGCTGGCTCCGCTGCGCTCACCCACAGTCTACAGCCCGCCGCGGGCCAGGGCGAGCCGAC	12
wt-62130-62250	4797	ACGCTGGAAGTACTCGGGCGGTGAAGAAGACACCACCGCTTCTTCCCTCTCCCGCGGGCCCGCCCACTGTGCTCCACAGCTCCACGGCCATGGCCCTGATGCTCCGCG	8
wt-62370-62490	4799	TCCCGCGGAAGGCTCCACCGGGCCAGATAAGTGTCCGACCCAGCTCTCCACGAAGGCAAGGTGGCGTGGGCGAGACCCGAGCAGCTCCCGCTGCCCTCTTGATGATG	8
wt-62490-62610	4800	CGCCGATACGCGCCGAGGGCCGGTCTGTGCGATGAGCGGAGGCGCTCCAGCGGATCTGCTGGCGGAGAGGCTGCTGGGGGGCAGTGGATGCCAGCAGTCCAGGGCC	8

wt-62610-62730	4801	GCCTCCAGATGGCCGAGGCCGAAGCTGCGCCTGGAAAAGGAGGCCGCCCGGAGTAGTGTAGGCGTGGTGGGGAGGACCGCCGCCGGTAAAGCGTGGCCGCTCATGAGGGTGAGAGTA	8
wt-62730-62850	4802	TTTTAAAAATCGCGCACACAGCACCGGCTGGGCCAAATCCCCAGTCCAAAGATCCCCAGCTCCAGAGGATCAGCGCGCGCAGCGGGCAGCGGGTCTCCCCAGACAGCAGAACTGA	4
wt-62850-62970	4803	CGCGTCACGCGGGCGAGCCCCCGTCCACCTCTGCCAGGGTGGCTGGGCGTCTGCCCTCCGCTACCGCCGCTGCTGTCACTCTCCATAGCGGACGCCATGAAGTCCAGGGTCCGTC	8
wt-62970-63090	4804	GATCGCCGCCGCTGTGCAACGCCGAATCGCGGGGCTGCTGCCCTCCGCGCCCGGCTAAATATTTCCCGGGGTCGGAATTACAGCGGGACGTTCTGGGCGTGTGGAGAACACGCG	8
wt-63090-63210	4805	CAGGCTCTCTCGTGTAGTGGCGGCGGCTGTCGCGCGCAGGGCTGTGCCGCCGGGGAGTGGCGGTCGCGGGGGTGGCAGTGGAGGGGGGAGCTTCAGCTGGTCTGGGTGGCGGCCG	12
wt-63210-63330	4806	CCAGTCTTTGGGACTTTCTGATACACGCCAGTCTTCAACAACGCCGAGGCCACTGGAACGGCCCTTTTCAATTAACAGCAGATGACCCGTTCTCGGGCTCGACCGCTATTCACT	4
wt-63330-63450	4807	CTCTCTCCCTGTTTTATCTTAATGATCACGGCCGGTGTAGCCGCGCGGCTCCCGGCTGAGCGGATGGCCAACTGCTGTACGACAGCCCGCAACCTGCTCTAGACTAA	8
wt-63450-63570	4808	CTGGTCCCCGACTTTGGGCGGCTGGTGGCCGACCGCCGCTTCCACAACCTCATCACCCCTGTGGGCCCTGGTGGAGAATATAAAGAGCACCTATCTGAATAAAATCACCACGGTGGTC	4
wt-63570-63690	4809	CACGGGCTGTGGTACAGCAAGGCCATCCCTCGCAGCACCCTCAAGGTGACGGTGGCCGAGGAGGCTTGTGGATCTGGACGCGTGGCTCTCCGGCGGCAGCGGGGTGGCGGTGGAGTA	8
wt-63690-63810	4810	TGCTTCGTCGGGGGGTGGCCCTGCAGCCGTCGCCCGCCGATGCCGCGCTCTATGTCGCTGTACCTATGAGGAAGCCGGGCCCGGTTTACGTTTTTCCAGTCTCCCGGCCACTGT	8
wt-63810-63930	4811	CAGATCATGAATATCTTAAGAATTTATTACTCACCATCATGACCCTGCTGTGGTCCAGCCCTACATATAGAGGAGTAACTTTCCGGGCGGTTGCTGTCTGGGACATTT	4
wt-63930-64050	4812	AGTGCTACTGACGGTTGGAGGAGTCTGCTCTCAATTACCCTAGCTGCTAGCTGCTCCCGTGGTGGAGATTCAGACTTTTTATCCAACTGCTCTGACTGGAGGGTATTCTCTAGACTAA	4
wt-64050-64170	4813	CGGGAGGAAACAGGAGGAGGGGGACAAGAGCACAAGGTGTTGTTAGTGGACACCCACCACACAGCATGGCAACGACCACTGTCGAGCATGAGCTCCTTCCAAATTGATTGATG	4
wt-64170-64290	4814	AGTTAAAGGTCAAGGCCAACTCAGACCCGAGGGCTGATGCTCGCCGGGCGCTGCTCCACCGCTTAAAGCCGAGTCAAGTTACACACACAGTAGCCGAATATCTGGAGGTCTTCTCTG	4
wt-64290-64410	4815	ACAAATTCACGATGAGGAATCTCCAGATGACCCGGATGAGCTGGAGACCCGAGTCTGCTTTCGCGCAGAGCCGGCCTACGAGCGCATGCTCTCCAGCGGCTACCTGTGGCC	4
wt-64410-64530	4816	TGCGCTACTATGACACCTATCTGATGTGGGGCAGCGGGAAGCAGGAGGTGTGACACTTTTACATGCGTTAGCCGGCTTCTGTGCCTCAACCACCTGCCTCTACGCGGGTCTCA	4
wt-64530-64650	4817	GGCAGCCCTGCAGCGGCCAGCCGGAGATTGAGAGTGACATGGAGGTGTTTGAATTACTACTTTGAGCACTAACTCCAGACGGTGTGCTGTCCAGCCCTTTATCGCGTTTGGCCG	4
wt-64650-64770	4818	GGGTGAAAACTCCACTCTGGCCAGCTGCATCTCACACCACCCGACCTCAGCTCCGAGTGGACGTGACCCAGGCGCTTATAGGCACCTGGGGCGTACCTCTTTCAGCGAGCCGGG	8
wt-64770-64890	4819	TGGGTGTAGGGGTGACGGGGGCTGGCCAGGATGGGAAACACATCAGCCTCCTGATGAGGATGATCAACAGCCAGTGGAGTACCACAATATGGTGAAGAGGCGCGTCAAGTGGCGG	4
wt-64890-65010	4820	CCTACATGGAGCCCTGGCAGACCCAGATTTTCAAGTTTTTGA AACGAACTGCCGGAGAACCACGAGAGTGGCCGGGCATCTTTACGGGGCTCTTTGCCCCAGCTCTTTCAAGC	4
wt-65010-65130	4821	TTTTTAGGGACACGCCCTGGTGGACTGGTACCTGTTTACCCCAAGGACCGGGGACCTGGAGGGCTCTACGGGAGGAGTTTGAAGCGGAGTACTATCGGCTGGTGCAGCGGGCA	4
wt-65130-65250	4822	AGTTTTGTGGCGGGTCCATCAAGTCTGATGTTCTCTATGCTCAACTGGCCGCTCAAGGCGCCGCTGACCCCTTATCTTTCGAAAGGAGGCTGCAACGCCACTTTTGGCCGACC	4
wt-65250-65370	4823	TGCAGGGCAGGCCATGAACGCCGCCAACCTGTGCGCGCAGGTGCTGACGCCCTCGAGGAAGTCTGTGGCCACTGCAATCTGGCAACATCTGCCTCCCGCGCTGCCTGGTGAATGCCG	8
wt-65370-65490	4824	CTCTGGCGGTGCGGGCACAGCGGGCCGACACGCGGGGATGAACCTCCTGCTGCCCTCCCTGACTCTCAGTCACTACCTACCTGGAGAGGGGCGAGTGGTGTGATTTCTCGTAGCC	8
wt-65490-65610	4825	GCCTCAGAGATGCCACCCAGTGTGCCACCTTTTGGTGGCCTGCTCCATTCTCAGGGATCCCCACTTATGATTCCAGGGATATGGCCTCCATGGGCTCGGGTGCAGGCGCTGGCCG	4
wt-65610-65730	4826	ATGCTTTGCGGACCTGGGCTGGCAGTACACTGACCCCTCCTGCTCGTTAAACAAGGAAATATTCGAACATATGTACTTTAGGGCCCTGCAACCACTAGTCTGATTGGACTTACA	4
wt-65730-65850	4827	CCAGGAAGATTTTTCCGGGTTTCAAACAGAGCAAGTATGCCGGGGGTGTTTCACTGGCAGATTTGGGCAGGAACAGACTTTTCTATCCAGGAAATTTGGTCTCGCTCTCTGAAC	4
wt-65850-65970	4828	GCATTTGAGGGATGGGCTTTTCAATTCACAGTTTTATCGCCCTGATGCCCACTCAGGCTGTGCCAGGTGACGGGCTGTTCCGACGCTTACCCCTCTATGCCAATGCCGCCACCA	4
wt-65970-66090	4829	AGGTCACCAACAAGGAGGAGGCCCTTAGGCCAAACCGGCTTTTGGCGTATGTGCTGTGGATGACAGGGAAGCTTTGAATCTGTGCGGGGGCGTGTCTCCTGCCTCCCGGAGGCTC	4
wt-66090-66210	4830	TGCGGAGCGCTACCTGCGTTTCAAAACGGCCCTTGATTACAACAGGAGGACCTGATTCAGATGTCCCGGACAGGGCCCTTTGTGGACAGAGCCAACTCACAGCCTGTTTTTGC	4
wt-66210-66330	4831	GTGAGGAAGATGCCCGCGGGGCCAGCAGCTAGCCAACCTACTGGTGCAGCTACGAGTGGGCTGAAGACTATCATGTACTATTGTGCGATTGAGAAGCGCCCGATCTGGGGTGA	4
wt-66330-66450	4832	TGGAGTGAAGGCCAGCGGCTCTGTGCTGCCCGGGAGGAACAGAAAGTGGAGTGGCAGGTCGGCTGAGCAGATCCCGCTGTCCATGGAACCGCGCAGTTGGCGGGCCGTTGACA	8
wt-66450-66570	4833	TCATGAGCAAGGGCCAGGGGAGGACCAAGTGGGTGGTGTGCCCGGGGATTTGAAGTGTGCTATAAAGTACCGTACGCTTCTCAGAGGATGATCTGTTGGAGACTGACGGTTTTA	4
wt-66570-66690	4834	CTGAACGAGCCTGTGAATCTTGCCAAATAAAGCTTTATTGCCATGTCCAAGTTGTTGTACGTCGCTGATCATGAGGGCTTTGCCCTGCCTAACGGTGCAGAACCCACCGCAACCCTGGTTCG	4
wt-66690-66810	4835	CGGCTCACATTTGCTCCTACCAAGGACTGCGGGTGTCTCAAGTACTCAATGAGAGGGACTTGGAGTTTTACAAGTTCCTTTACGTTCTGGCCATGGCCGAGAAGCTTGTGAACTTTA	4
wt-66810-66930	4836	ACATTTGATGAAGTGGTACCAGCTTCGAGAGCCACGACATTTGATCACTACTACACCAGCAGAAAGCCATGGAGAACCTCCAGGGGAGACTTATGTAACATTTAAACATGCTCTTTG	4
wt-66930-67050	4837	ATGGGACAGGGCGCGATGAACGCCATCAGCAGAGGCCATATGGCCGAGGCGCTGCAAGCCAAGATTTTCTGGCTCCGTGACAAGGTGGCGGGCCGCTCACCTGCCGAGAAGA	8
wt-67050-67170	4838	TTCTTGTTTCTGCTGATTTGAAGCATTCTTCAATTAGCTCTTCTACAGCATAGCCCTGCTGCGGGTCCGGGCGCTAATGCCTGGCATCTGCCTGGCCAAATAACTACATAAGTAGGG	4
wt-67170-67290	4839	ATGAGTGTCCACACCCGCGTGCCTCCCTGTTATAACAATAGCATGACAGCCAAGGCTGACCGACCAAGGGCCACTGGATCCAGGAGCTGTTTTCGACTGCGGTGGAGGTAGAGACTG	4
wt-67290-67410	4840	CCTTCATCGAGGCTCGTGGAGAGGGGTTACCTTGGTGGATGTGCGAGCCATAAAGCAGTTTCTGGAGGCCAGCGCGATCGCATCTGGGTGACATTGTTGTCAGGCTCCCTTGTATGGCA	4
wt-67410-67530	4841	CACCAACCCCAAGGACTGCCCGCTCACCTACATGACTAGCATCAAGCAAACTAATTTCTTTGAGCAAGAGATTCGATACACCATGCTGGTGTAGATGACCTTTGAGTCAGGGTGG	4
wt-67530-67650	4842	CTACTTGCTCAGTTTTCTGGGCAATAATCTCCTGCCTGCCTGCTGTGGTACGTTGGCTTCTGCTGCTGTTGTGATCATGGAACCACTCAGACTCTCCGTTTAAAGCAAGGCC	4
wt-67650-67770	4843	TAGCCGCTCTCCAAAGTGCATAGCAGTCCAGACTCATCTCAAGGAGGAGTGTGAGGTAACCTCTGTCTGTAACACTATGGAGGCCCGGCTGGCCCGGCTGGCCAGCCGAG	4
wt-67890-68010	4845	CCTGTGCTGGGCAAGGAGCTGTTGGCTCGGCTGTGGAGCAGGCTTCCCTGCAATTTTACAAGCGGCCACAAGGGGTTCCCGGCTGAATTTGTTAAGCTCACTATGGAATATGATG	4
wt-68010-68130	4846	ATAAGGTGTCCAAAGAGCCACACCTGCGCCCTGATGCCCTATATGCCCCGGCCAGCGACAGGCTGAGGAACGACAGATGATTGGCAGGTGCTGTTGATGCCAAGAGCGCTTCT	4
wt-68130-68250	4847	CGTTGCAGAGTGGGACGCCAGCAAGCTCAGCGCGGCTTAAAGTGACACTCAATCCGGATCTCTACGTCACACGATATACTTCCGGGAGGCGCTGCCTCACCTAGACTACAACCTT	4
wt-68250-68370	4848	TGAGTGTGGGGCCATACGAGGCCCTTCACTGGCCCTGAGGCTCAGGACGTTGGGGGCGTTGAGGCCACGTTGTCTGTCTGGTAGCAGCGGACTCGCTGGCGCGGCTTAGCC	8
wt-68370-68490	4849	TCTGCGCATCCGGCCGTTAGCGTGCCTTTGAGGTTTTAGAGGCTTGGCATATAGCTGTTGGCGCGGCTGCTGAGCTCAGCGGGGACCTGCGGCTGGATTTGATCTTAGTGTTATTT	4
wt-68490-68610	4850	TATTTAACCAGCCTCCGAAGAGCGCGCGGCAAGTACGCGCTGTAGCCAGAGATAAAAGTCCCGGTTGCAACCACTGGGCAACAGGACTCCAACAAACGCCCCAGACATACGGTCAAGT	4
wt-68610-68730	4851	CATCTCTTCACTCCGCCACCTCTAGGACCCCTACTTTGGGAGAGTCCGGCAAGGCCAGAGACACCTCCTGCTGCCATTCCAGGCCACTCCAGCAACACCGCACTGGAGAGGCTCTGG	4
wt-68730-68850	4852	CTGTTACGCTCGCGAGGAAAAGGACATGCTCGGAGGCCAGGCAGAAAGCAGCAAGCACCCCAAGAAAGTGAAGCAGGCCCTTAACCCCTCATTTAACACCATGTTCTCGTGAAGCAGCAC	4



wt-68850-68970	4853	CTGTCCCTGGGGCCGTGTGTCTCTGTCTCGGCCCTCCTGGCCAGCACCCCTTCATTTGGTGTCTTTTGGCAACCTGCTCTCTGGAGATCTTCCACCGTGGCAGACACACGTG	4
wt-68970-69090	4854	TACAGGCTTGGATTCCCGACGCGATGCCTAATGGCCGTCCTCTGACGCTGGTACCCGCAAGCAGCGGTGAGGGCCGTCACCTCCAGCCATCATGCTGAATATTGCCAGCGCCTTGATC	4
wt-69090-69210	4855	TTCTTCTCCCTCAGAGTCTACTCGACCAGCACGTGGGTTTCTGCCCTGTCTTTCTGGCCAACCTGCCTCTTTATGCTGTGGCCCCGGCTGGCCATCGAGATTGTTACATCTGC	4
wt-69210-69330	4856	CCGGCTATACACCAAAGGTTCTTTGAACCTGGTGTCTGTGCCCTGCACCATCTTTGCCCTGTCCGCTGCTCCAGGGCCCTGGAGGTGTGGCTGTCTTATGCTCCATTTTTCATC	4
wt-69330-69450	4857	TTTTGGCTTTGGGCTCTGGAAGCCTGGCCGGTGTCCGGTAAACAGATTTACACCTCGGCTCTCGAGCGGAGCAGCAGCATTCTTTCGCCCGGGGAGATCATTCCGTTGGCATCCCTG	4
wt-69450-69570	4858	AAGGAGCCCTCCATAAATGCCCTGGGATCTGCGGCATCTCCTGACCCTTCTGTCGTGTGTGTGATGATTGTTGCATGTGCACGACAGGTGTTCTTGGACTCTCTAGA	4
wt-69570-69690	4859	TACTGACCTCTTTCTGTGTGGGGCGATGGCTCCGGGGGCTGACCTGCCGGCTTCCAGCATCTTGCATGTGTGCATGGCCACCCTCTGCACCCTGACATCTGTGGTATATTTTC	4
wt-69690-69810	4860	CTCCATGAAACCTTTGGACCCTGGGCAAGACCCTGCTGTTTATCTCAATCTTTGTCTATTACTTTAGCGGGGTAGCGGCCCTGAGCGCAGCTATGCGCTACAAGCTTAAAGATTTGTG	4
wt-69810-69930	4861	AACGGACCCTGGTCCATCTCCGTTGTTATACATGTGCTGTTTGTCTTACTTTTGTGAATATCTGTTGGTGACATTCATTAATCCTAACGACCGGAGTCCGTCTCTTTGTGTTC	4
wt-69930-70050	4862	TTGGGGGACTTGTAGTTAGCTGTCTTCTCTTATTACATTTGGGTAACGGGAGGAAATGAACCCAGGGGTGGCAGTGGATGGGGTCAATTTATGGGCAAAACTCACAGGACATGTTGGGG	4
wt-70050-70170	4863	AGTTAGCATTGGCGTCGGGAAACACAGCTGGCAGTTAATACCAGCACAGCTAACAGGACATTTTGGGGAGTTGGCATTGGCGTCAGGACACGGCTCTGTAGTTATCACCGTAC	4
wt-70170-70290	4864	CATGAGTCCCATGTGTCCAGTCCATTAACCCGTTCCCTCATTTTGTGTGCCCTCAAATGTTCCAGAAAGTCCAGAAAGTGGCCACAGGGGAGGTGGCTGAATTAGGGCCCTTTCCCTCATCCCC	4
wt-70290-70410	4865	CATGAGACCCAGTGGCAGGCTAGGGGCTACATTCGCCCTCCACGTTTCCCTTCGCGTGAGGCATCCGATATGACTGAATTTTCGACGTCTCTTTCCCTCTCCCTGTTATTTCCCAT	4
wt-70410-70530	4866	AGAATTACAGTGAGGTTACACAGGTGGAGATTCAAGTTAACCATTATTGATTAAATCCAGGAAACAAAACAGTCTAGTGACCCAGTGCCCGGAGAGAGAATGGCCCTGACAAAGTCGG	4
wt-70530-70650	4867	CTGCATGATGCACCTTCGGCAGTACAGTGTGTGAGTCTCCACGGCTCTGTCAAAGGGAGCTTAGCGTGCACAGGTTGTAATTTCTGATGTAGTGGCCAGGAATCAACTTCATCGTGT	4
wt-70650-70770	4868	CTCCGCTGCAGTTGGCGTTAATGTAGGCTGGGCTACTGCCGATATGCTGCCAAGAGACAGAGGGGCTGTTACATATGAGCTGCTCAGGGTCTCCACCACCTGTTTTCAGCGGCC	4
wt-70770-70890	4869	GTGGCACAGGTGATGTAGAAGAGTTGCTTCAAAAGTTGATGTCTCGCGTGTAGGAAGGAAGCAGGGTCCGACGTCTTTGAGCTTGGTCAGGATCACCTTGAAGACTCATGGCCGAG	4
wt-70890-71010	4870	GCCAGGAGGATGCTTCCGCGGGAGCTAGGGGCAGGTCCGCGTGGTAGGTATCTCCTGGAGCCAAAAGATGGTCTCTTAGCATGGCCACCAGGGTGCAGAGCCCGCGTCTGGATC	4
wt-71010-71130	4871	GCCTGCATGCGTGCATCCAGCCATGTGCTTGTGTTGTTGACTTGGTGAAGAACTACAGTGTCTTGTAGCTCTGCGCAGCTCGTGTCTGGGTTGCACCTTCTGCCAGGCTCCAATC	4
wt-71130-71250	4872	TCTGGATGGCCGGCCACCGCCAGCATCGACTGTAGGAACGGGCTTGGATGGGCTTAGGGTACAGAGGCCAGGGGGCTGGCAAGGTCACAAATGTAATCTTGAGACAGGGCTTAACC	4
wt-71250-71370	4873	AGACTCATGTCAAACACGGTGTGGTCGGCAGGGCCCTGGCTGCGTCTTGCCTCGCCTGCTCTTGTGCTCTGCCGGCCCTCGAGATTCTGACCGGGGACCTCGTGTGCTGTG	4
wt-71370-71490	4874	TTGCTTCCGGGAGCTCTTGGAGACCTCGGCTCTAGGGCACCTGGGGCCCTTGGGCTCTGGGGCTCTGGGGCTCTTGGCTTCCCGGCTTCCATAACTTTCATCGGTGCAG	8
wt-71490-71610	4875	CCATGGACCTCTCCGCGTCCGCTTTTGTGGCTCTGGTGAAGAGGAGTGGCAGTCTCCTCCTTCTGCTCCTCGTCCCTGCACAGGGGTGAGCGATGCAATGTGACTGTCTTGTCTGT	4
wt-71610-71730	4876	AGGTCCACTTCTTTCTGGGAATCAAAACGATGCCAGGTAGGGGTTATACCAGCTGGAGGGCCGTGCAGGATGCGGTGGCCGGAGTTGGATCTTATCCTCCTCCTCTGAGGAT	4
wt-71730-71850	4877	GAAATCTCTCCATCTGTGGAGTGTCTTCCGCTGCCCTCCATAGGGTCCAGATCGCAGTCTGTGTGGTGTCTGAGACCGCTTCCAGTTCAGAAATGGCTCTCTGCAGAGGGGAGACAA	4
wt-71850-71970	4878	AAGGTGGAGACTGCCCTTGGACACCTGTGCTCAGGCACCCGGATGCCCCGGCTCCACGGCCCGGCCACTGGCCGGTGTAGCTTCTACCTGCCGGATCCTCGTGGAGGAAATGCTGCT	4
wt-71970-72090	4879	AGTTCCGGGAGCTCTGAGAAGAACCATCTTGTGTCTACGACGGGCTAGCTGGGATGTAGTGTCTTGTGACTGGCTCAGCCCTATTTATGATTCTGGAGCCGGGCACGCTGA	4
wt-72090-72210	4880	TGGAGAAATGGGCGTGGTGTATTGGCCCCACAGCAGCCGCGAAAGCCTTCTTTGATCTTGTAGCAGATGCGGCCAGGCGAGGCGGCTTAGGCGGCTGATGTGTAGTAGAGTACCAGAAACCCCTCACATTCTGG	4
wt-72210-72330	4881	AGCTGGCCTGTGGGATGCTCAGGCACGCAAAGTTCTGCCCGGGCATGGCACACCTGAACCTAAGTTGGCCCGGTTGCTCAAACGTGACATGGAGAACTGGGGAAATTTGTCTT	4
wt-72330-72450	4882	CTGGCACAGCTGTTGCCAGGCTGCTCATGAGCGAGGGCCAGATGCAGGAGCTGACCCAGGCAGCAGATCCAGGCCAGATGCCCTCTATCATGGCCAGACATTCTCCACGGTGGGGG	4
wt-72450-72570	4883	GCAGGGTCTCGCGGCTCCTGGATTAGATAGTCAAGCCCATCATCCGCGATGGTAGCAGAAGTTTTGGGGCCGGCCAGCCACGTGCAGTGAGTGTGAAGAGGTTTTGAATGT	4
wt-72570-72690	4884	TGAGGGCATTCTAACATAGCTGTGCTTCTCTTCCGATGACAGACAAAGAGCCGACGTGCCGGTAAGACCACCGCCCTGTCCACCTGTAGGTATGCGGCAGCCGGATGC	4
wt-72690-72810	4885	ACCGCCCGGCGTGATACAGCAGCTGTCAAAGAGCCGGCCCAATCTTTGATCTTGTAGCAGATGCGGCCAGGCGAGGCGGCTTAGGCGGCTGAGCTTCTGCAGCACAGACACAAACC	4
wt-72810-72930	4886	CTTGTACTGCGCTTGTTCACCAATAGCATGGCTCTAGGTAGGGGGTGATGACGCGAAAGCCAGTTTTCCCGTGCATATGCAAAAGGGGAGCACATCTTCCATATTATCCGGTTCGG	4
wt-72930-73050	4887	CGGGTGGACAAGCTGATTTGAAAAATAGACTGGTGGGCCCTGGACACTGGACCCAGCGCGCGATGAGGCGCAGTACCTCAGGCCGACGGTCCGGCACAGGTGATAGATTTCCTCCA	4
wt-73050-73170	4888	GCGACAGGGGGCCCTTGTATCTTATAGATCCAGGTCCAAGACCAGTTGCAGACCAGGAGCCGGGATTAAGTATTATGCCGGGAGACAAAGAGCTGCTCGCTCAGGCTGTTCTGTG	4
wt-73170-73290	4889	AATAGTACACTGGGGTGTAGGAGAGGGCCCTGGTAGACAGTGTCTGGGAGGCGGAGTTGGTCCGGTGGAGACGACTCCGCCAGTGGGATGAGAAGGGGTGACGGGCTGTCTATTA	4
wt-73290-73410	4890	CAAAGTAGTGCCTGTCTGCAAAATGGCAGAGGAAGACCCTGAGCCGCTGCACCCTTCGAAGGACCGTGGTGGGAGGAAATTTTCTTGGGATTCCAATGGCCCGGCGAGGTGGCTTGGC	4
wt-73410-73530	4891	CGGCAAGCATAGAAACCTTGAAGCGTGGGGGGTATGTGGGACCTCATCCGCGTGCACGCGCGAGCTCCACCAGTCCCGGGCCAGTCCACACTGAGCCCGGCCAGGCCCGCA	8
wt-73530-73650	4892	TGAGTCCGTATCGGGGTCGGGTCACAGTGTATGGGGCCGGGGCTCCATGCGGATTTTTCAGTGTGGACACGCACATGCTCAGCCAGGTAAGTCTCCGGGTGAAGTAGGTGCGCA	4
wt-73650-73770	4893	TGTGCTCCGCAAAAGCCCTGTCCAGGAGCGAGGGGAGCAGCAGCCGCCCAAGGACAGACCCAAATTTCTCCATGCTGTTAACTGAGAGTATCGCTTAAAGGTTCCCTCGTTGAAGC	4
wt-73770-73890	4894	ACTGTGCGTGGGCCAAATAGACGTAGCCAGCAGATCGGCCAGGGCCAGGGGAAGGCGCCCTGTAGGCGTCTATGCTTCTGCCACAGCGGGATCTCTCGGAGTCCCGCCGAGTT	8
wt-73890-74010	4895	TCTGTTGTCAAAGTGGGCAAAAGCTGGCTGCTCCGCCATGCGGAGGACCAAAGACTCCCCAGCTCGGCCAGGGACGTGACGGCGGCGAGCTGACAGACACTGGAAGTAA	4
wt-74010-74130	4896	ATAGCTCCGTGAGGTGCGCCAGGGTCTCAATCGTACAAGGAATGCCCAAAAATAGTAAGCAGCCGTACTAGCACGAAGTGGGCTCGTGGAGCCAAAGGTTGCTAATGAACCACTGG	4
wt-74130-74250	4897	CCGAGATGTTAACGCGGTAGATGCGGCGCAGACAGCCAGATCTTGGACGCAGCCAGCCAGCGGCCCTTGGCATCCCTGTGGCTGTTTCTTAGCGCTCAGTGTGAGCAGTTCCA	4
wt-74250-74370	4898	CGAGGGGCGTGAGCGAGCGCAGGGCCCGCCGCGCATAGGTAGGTGGATAGACGCTCCGCGTGTAGCGCGGTGAGCGCGGTGAGCGCCGCGAGGAAAGGGGAAGGCTCCCTCCGCCGCGAGGTGCAGCG	8
wt-74370-74490	4899	TCAGAACCAGGCCGCGGCTCTGTGAGTGCAGCCGCTTGTGGCAGGTGAAGCTGCAGTTCACGAGAGAACCCGCCAGTGGTGGAGGGGGAGGGCGTTGTTGGCAAAAACAAAACA	4
wt-74490-74610	4900	GCGGAAAGCCCTGTCAGGCGCGGAGAGATGTCATCGAGTGGCTCCGCAATGTACAGTGTGTTAGGCCACAAGGCGCTTGTAGCAGCGGGGGAGCATTATTAAGACCCGGGAGG	4
wt-74610-74730	4901	CCCCAACGGCGGCTAAACAGAACAGTGGCTTCTATCTCCAGACTGGTGTGTGCGCGGCTTGGCTCTTTGGCCGGCCAGGAATAGATACAGCCAGCTCCCTGAGGACCCGAGAC	4
wt-74730-74850	4902	CTTTGAGTGCCCGGACCGCTGGCGAGCCGAGATAGATCTGGCCCTGCCCTGGTGTGCAGGTGGGAGATTGCTAAGAAATGAGCAGACAGTGGGCTCACTGAGCAGGTTATTTGCT	4
wt-74850-74970	4903	CGCTGTTCAAGCCAAATAGCATCACGGATCACCTGAAGCGCTTTCAGCGCTCCGCTGAGAGCTGCTGTGGGGTGGTGGAGGCCAGGTGGCAAGCTTGGGCGGTGCGCTCAGT	4

wt-74970-75090	4904	CATCTGGAATACCATGATCTCTCTGGCTGTAAAGCGGCATCGAGATGGACGAGAATGGCTCAAGGCCCTGCTGGACAAAACAGGCTGGCGACAGCCTGGCCTGATGGAGATGGAGAAGGT	4
wt-75090-75210	4905	GGCCACGGCGCTCAAGATGGACGAGACCGGTGCCTGGGCGCAAGAGATCTCGGCCGTTGCTCATCGGTGACCGCCCTCAGCCTCGGCCCTTTTCATCAACTCCGCCCTTGAGCCCGA	8
wt-75210-75330	4906	GGTGCCACCCCGCTCCTTGCACCGCCTCCCGTGGTGGCGAGCCGGGAGCACTCTGGGCCACGGAGCTCGCGTTAACGTAGCAACCAGACTCCACACCAATAACATTTTATTGGTAA	4
wt-75330-75450	4907	AACAAGGGATATGAAGGTGTCATTGACCCGAGGATCCAAACCCCTCCCTGTCTCCCTCGAGCGCCTCGCTCAGCCCACTATCACCCATGGCCAGGCTCGGCACCTCTCGAAGGTGC	4
wt-75450-75570	4908	AGCTGGCCACCAATAAGAGAGATCTGGGGCCAAGGACCCCGCGTCACTGTGGGGGCTGTAGAAGGAGGTTGAGGTGGTGTCTTGTGAAGTAAACAAGCTGACAGAAGCGCCGGTACTTGT	4
wt-75570-75690	4909	TAAGGAACACGGTCTGGTCAAACTTGTTCAGGCTCAGCTCACCCACCCCGCCACTCGAGGCTCTACTAGAATACCTGCATGGCACGCCGACCTGCCAAAAGATTGTCG	4
wt-75810-75930	4911	GGTGGTTGATGGGACCCTTGCTCCTCCTCGCTTGTGGGGGTGGCATACTGAAGCGAGCAGGTGATTTTGAGCTCCGATGGACGAGCCAGGAGTTGTAGCCCGCTGATTCGGAGGA	4
wt-75930-76050	4912	TTAGCCGGAGTTCCCCCGTGTAGCCGGGATCGATGATGCCAACATGAGACGTGACCCGACGGGAGTGCTGCCCCACAGCATGAGCCATGACCCCTCGGGTGGCGGGCAGTAGAGCCTA	4
wt-76050-76170	4913	GGTCCACAGTTGTTGGTCTTCATCGGGCAGAGGATGGTGGTCTTGTGGACAAAGGTGAGCGCCCTACACTAGCCTGCTGGAGCAACAGCTGTGCTTCTGGAAGCGTAGCGTATGT	4
wt-76170-76290	4914	GTGGACAGGCCCTCATGGTGTATGATTAACAGACAGGGACGGCGGCTATATAAAGAGCCAAAGACCCGGCTCTTTACTGCCAAATGGGGAAGTCTCAAGAAAGCCGTTTGCAA	4
wt-76290-76410	4915	GGCTGTGCCACTGCTTCTCCTCGCCCGCCTTCTGACCCGGGCTGCCCAGCGGCTCCAGTCCCAAAACCGGGCGGGCTTCCCTGACTGAAGCCAGGACCATGCTA	8
wt-76410-76530	4916	CTCCTACACATGTAATGCGGACATCTCGCCTTCTTACCAGTGGCTCCATCTGGCAGCTTGGCTCCACTCGGCACCTGACCCATGACCCATGATGACGTTG	4
wt-76530-76650	4917	CTTTAAACAAGTTGTGAACACGCTGCTGACGGATAGATGGGGATATTAAAGGGGGCAGCAATCTCGGCTGTTGTACTTCTCTGCTCGTTAAACCAATAGCATGTCAGCTCCACG	4
wt-76650-76770	4918	CAAAGTCAGATTGCCCTTCTGTTAAGGCTGTTGACATGAGCATGGAAGACATGGCCGCCCGCTGGCTGCCTGGAGTCTGAGAATAAGGCTCTGAAGCAACAGGCTCTCAGAGGGGTGC	4
wt-76770-76890	4919	CTGTGCCTCGTCACTCTGTCTCTCTGCTCCAGTGCCTCCCGCTGAGCCGCTACAGCTCGACAGCGAGAGTTAATGATTACGCAGGCCACGGGCCGTTGGCGTCTCAGGCTATGAA	4
wt-76890-77010	4920	GAAGATTGAAGACAAGGTCGGAAATCTGTTGACGGTGAATACCAGCAATGAAATGAAAAATATTGCAAAATCTGACCCTCCGCATTCAAGTATCTATGTTGGGTGCAAAAGGCCA	4
wt-77010-77130	4921	ACCCAGCCTGTGGGAAACACGACCACGAGAATCAAACGACCCCAACGCCACCCGACGCTGCCCGCTCCCGCTCCCGGGACGTTGAAGCAAGAAAGTCAAAATTTCTGATTAAATAAT	4
wt-77130-77250	4922	TTTTATTGACTTTATACATAGGCTCTCGCGCTCATCATATGGTGGGGTGGTGTAGTATGGATGTAGACAAGTTACGCTAAAGGGCAGTCCGCCTGACCAAGCAGCAGAGAAGGGT	4
wt-77250-77370	4923	AGCACAGCCAGAGAGGCCACTGCAGTACTAGCATGGAGAGTTTGAAGAATCTGGGCTGGGACTTGGCGGGACTGGCACGGTGGCTGGGTGTGGTAAAGGGTGGGCTCGTAAAAAGTC	4
wt-77370-77490	4924	CAGCGGGGCGCAGTTTGTAGAAAGTGTGGGAGTAGATAGTGTGCGATTGTATCTCGGCTTTGGCGTAGTTGAATCACCGCCGTAATCTGTTGGTGGGCTGTACTTGTCCGGGT	4
wt-77490-77610	4925	CCATGCTGTGGTGTGCTTCCACCCGGTGTAGAAATGGCCCTTCCACCTGTTGAGGTGACCCTGAGCAACCGCCGCTTTTGGCCACTGGGGCCCTGGGGCAGCTTGCAATTTTGGGG	4
wt-77610-77730	4926	GGCGTGCCTTGGTGACATTAACCTCCCCCGTTTGTGGATTGGCAACTGTTCCAGGGCTGACGCTGGCTGTGGTGGTGGCTGGCGGGTGGTGGCAACATGATGT	4
wt-77730-77850	4927	GTGCTGATAGAGGCTGGTGCACCTGTTTATATTCCACCCTGTTGGGTGAGCGGAGGTTAGTAAAGGCATATGTGACGTTGAAATGTACTGGTGGAGGGGCTGAGTGTCTTGGG	4
wt-77850-77970	4928	TTTGAAGTGGTCTCAGTGACATGGAAGAGTTGAACCTGAGTATTGTATTGTTGCTGTGGTAACAGCACTGGTGCATTTTTGGTGGCTGGTAACTACTGGGGTGGACTGT	4
wt-77970-78090	4929	CCTCCTAAGGTTGGTGGCATTTGCCTGTTGACTGTTCTCCTCCACAGTAGGGCCCGTGGCATTTGGGGTGGGGTAGTCACTGCTGAGGTGGCGCTGTTTTTCCCAAGGTGGGG	4
wt-78090-78210	4930	CTGGTGGCATTGGGGTGGGGTAGTCACTGTGAGGTGGGGCTGTTTTTCCCAGGTGGGGCTGGTGGCATTGGGGTGGGGTAGTCACTGCTGAGGTAGGACTGTTTTTCCCAAG	4
wt-78210-78330	4931	GTGGGGCTGGTGGCATTGGGGTGGGGTAGTCACTGTGGGTGGGGCTGGGCATTGGGGTGGGGTAGTCACTGCTGGGGTGGGGCTGGTGGCATTGGGGTGGGGTAGTCACT	4
wt-78330-78450	4932	GGTAGGTTGGAGCTGTGCATGTCGGGGCCCTTACTTCTGTGCCGTTGCCATGGAGATGGACTTGGTTGGTGCACCTGGTGCATCCAGAGTAAACACGATACAGTACTGTTTGGCAGAAATCGT	4
wt-78450-78570	4933	TCCGGGTTGGATACAGTGGGGCTGTGCTTGCAAGTGGGTGAGGTTGGTAGGACGCTGAGTAGAGCTGGGTAGACCTGTCGTTGATTGGGATCAGCAAAATCCAGTTGTATTCAAGGTA	4
wt-78570-78690	4934	GGGAGGTTGGTGTGCTCTCGGGTGCCTGGGAAATATAACCTGTGGTGTGTGGTGGCATTGGTAGCCGTTCTGTGATAATGAGTGTCTTTGGGGGCGTCCAAAGACCCGAGACA	4
wt-78690-78810	4935	GTAATGTCAAAATGCCGATTGCTCGCAAAATGCACCAAAATTTTTCAACCCGAAGGTGCCCGAGGTGAGAGTCCATTTGCACCTAAAGTCAAGTTCAGTGTGTTGGCCAGGCC	4
wt-78810-78930	4936	CAAAAGGCAGTCACTGTAACATTTGGCGAGTTTGGCTCCTCAGAAGTGACCATGGCACTGAAATAGTAGCATTGTCCACCACATATGTATGCTGTGGTGGTGGTGGCAGTCCCTGT	4
wt-78930-79050	4937	GAAAGCTGGAATCTCATCAGAGAAACAAATGTTGGACTGAATGCAGTAATCTCCTCCCGCTCGCTTGGTGCATTCCAGAGTAAACACGATACAGTACTGTTATGCAAAGAAATCGT	4
wt-79050-79170	4938	GACACTGGACGTGGTGTGACAGCGAGGCTGATGCATACCCTGTACCAGTATTTGGGGTGGCCACGGGACTCGTTGATGTGAGAATTCCGCCGCTGGGAAACATGGCTCTCGTATCCACTG	4
wt-79170-79290	4939	CAGGTGATGTTAAATTTGTTGCTCGGGGAGAAGTGTGAAATTTCCGCATCCTCCATAATCACTCAATATCTATCTCATACCGAGCATTTCTGTTTTACGGTGAATTCGAGTCT	4
wt-79290-79410	4940	TGAGCTGACGTTGGCAAATTAAGGGTAGCGTGACATCCAGCCCTGTGCCCTCACTACTGCCGTTAATTGGTAGAATTAACAGTTATCCCACTTTATGATGGCAGCTGTTCTGGTATC	4
wt-79410-79530	4941	AGGTACACGGGGTTTGCATTTCTGCATGGTGGCACCACATGGTCCAAAACACATCTTGAAGTAGACATCTACAGATCCAGGCTTACTTGTGCTCTCCTCGGGTGGTGGGTAAT	4
wt-79530-79650	4942	GGAAAGCTTCTAGACCCGATAGTTGAGCCAAATTTCTCTGCACCAAAGGAGCTCCAGTAGAAAGAGATTGGTGGCATTTCTGAGCCCAAAATGCACCTCGAGGTTGGTAGACAGCCTC	4
wt-79650-79770	4943	GTATGGGGTGTGACGTTGGCCAAAGTCAAGATCAAGTTGATGCTTTTGCCTCCAGCATCGAAATGATAGTTACATTCACCTGTTCCGTTGCAAAATGATGATGGGGTAAATGGGAA	4
wt-79770-79890	4944	TCCGGAATCTCAACATGAAAAACAGGATCTTACCCGTGAGATGGATCAGGCTCTGGATGGTGTACTGACACACAAGCAAGGCTGCCTCCATTGCTCGGCACCGATTCTTAGGCGAG	4
wt-79890-80010	4945	CATCCTCTTAATAGGTACAAGGGGGTGGCGGTTTGGTGTGTGATCAGCTTTTGTGACAGACAAAATGGACAAGGACAGGCCGGTCCCGCCCGCCTGGATGACAACATGGAAGAAGAAT	4
wt-80010-80130	4946	CCCATCTACTCGTGTGTCAGGAACAGGATCGCGCGGAGATTGGGAAATGTCTCATAGAGTTATCAGATAGCAGCTCAGAAAAGGAAGCAGAAGATGCCACCCTGGAGCCGGCCCA	4
wt-80130-80250	4947	GAAAGGTACGAAAGAAAGCGGGTGCATCATGATGCCGGTGGGTCAGCTCCAGCAGACCCCATGCTCCACCCAGCCGGATCTCCTGGCGAGAAGGCCATTCTCCGAGGTTCCACT	4
wt-80250-80370	4948	AGATCTAAGAACAATCTTCAAGCGATTGGAGCCCGGCTACGGTGTGATGATGATGTTTTACCCTACACACAACAAGGTAAAGTAAATTTGTGGC	4
wt-80370-80490	4949	GTTGGTTTTCAGGCATCGACACAGGATAGACCAGTTTTCGGATCCCAGATTTCAAAATACCAGATGTACATAATGTATGCCATTGGCCATTTCAGAGCCATTAGAGATCGTCGGA	4
wt-80490-80610	4950	GAAATCCAGCTTCTCGTAGAGATCAGGCCAAATGGAGACTGCAAAACCTGGCCCGCGGATGGCCATGGGTTACCAGGCATACAGCAGCTGGATGTACAGCTACACCGATCACCGACGA	4
wt-80610-80730	4951	CTCCCACATTCGTACATCTCCAGCGCACACTGGGTGCACAGGTTGGCCGTAGTGTCACTGTTCCGCGGACCTTTTAAAGCTGCCCGCATACCCCGGGGAGTCCCGCAGTGGT	4
wt-80730-80850	4952	TGTATGTTACAGACTCCGTGGTAACTGTTACAGAGCTGAATCCCGCTACAGTATTTCTTTGACTATTTGGCTATACACAGGAGCTACGAAATCTGGGAGGAAAGTTTAAAC	4
wt-80850-80970	4953	CTGACACCGGTTTCAATTTGAATTCTAGGATTTTTCAGAGAGAGGATTTGTCCATATCAAGAGTTTGTACAGCATTGGCTGGCAGCAGCTCCTGGGACCACTAGTATCCAAACCCGTGGATCG	4
wt-80970-81090	4954	ATGACAATCTAGCACGGACGGACAGGCTTGAATGCCGGCTTCTCCGGGTGCTGCGTATGGGATAGACTTCTTGAAGTGAAGGGGAAATGTGGAAGGTGCTACCGGTGAAA	4
wt-81090-81210	4955	CGCGAAGAAAGTGAGGACACGGAGAGCGATGGAGATGATGAAGATCTTCTTGTATAGTGTCCAGAGGTGGACCTAAGGTTCAACGACCCCTATATTATAAGACGTTGACACAGGT	4

wt-81210-81330	4956	TGCTGCTGATGAGACGGGCAACAGCAACAGGCAAGGAGGTACTGAAAAGGCCCGTGGGAGCACTTATGGCACCTAGGCCCGCTGTTCGAAACCAAGACCAGAGTCCCAC	4
wt-81330-81450	4957	AAAGCGACGAGACAGCTACCACTCACGGGTCGGCGCAAGTCCAGAAACCCCAACCATTCACCTAGCAGCTCAGGGAATGGCATACCCATTACATGAACAACACGGCATGGCCCCGTGTC	4
wt-81570-81690	4959	TCCGGCCCTGGGAGCCATCCCTGACACAGGCTCGGGGCGAGCCCTTTGCACCCGTTAGACCACAACACATGCCAGTAGAACCCGTCCCTGTCCCGACAGTGGCACTTGAGCGACCAGTTT	4
wt-81690-81810	4960	ACCCCAAGCCAGTTCGTCGGGCACTCTCAAGATTGCTATGCAGGGCCCCGGGAAACTTCTGGCATTAGACGCGCGGGGAGCGTTGGAGGCCCGCACCTTGGACGCCAAATCCACCCC	4
wt-81810-81930	4961	GTTCTCCAGTCAGATGTCCTGCGTGACCGTCTGGCTCGTTTGGCTGCTGAGGCACAGGTCAAACAGGTAGTGTGAGGTGCAGCCCCCAGTTGACCCAAGTATCCCTCAGCAAC	4
wt-81930-82050	4962	CAATGGAGGGCCGTTGGTACCAGAGCAGCAGATGTTCCTCGTGCCCTTTAGCCAGTGTCTGATGTGTCGGGACCTGGGGCACCTGGGCACAGTGCAGCCACAGTACTTTGACCTCC	4
wt-82050-82170	4963	CCTTAATTCACCCATTAGCCAGGGGGCACCCGTTGGCCCGTTGAGGGCTAGTATGGGCCGCTAGTCCCGGTACCGGCAACACAGCCACAGTATTTTGACATCCCTTAAGCAACCCA	4
wt-82170-82290	4964	TTAACCCAGGGGCATCCGCGGCCCATTTTCTCCCTCAGCAACCCGATGGAGGGGCCGTTGGTACTGAGCAGTGGATGTTCCAGGTGCCGCCCTGAGCCAGAGTGTAGGCCAGGGGTAG	4
wt-82290-82410	4965	CGCAGTCACAATATTTGACCTCCCTTAACTCAACCCATTAAACCATGGGGACCCGACGCCATTTCCTCCATCAGCCCAATGGAGGGGGCGTGGTACCCGAGCAGTGGATGTTCC	4
wt-82410-82530	4966	AAGGTGCCCCCTAGCCAAGGCATGACGTGGTCCAACATCAGCTGGATGCTTTGGGTATACACTCCATGGTCTTAACCATCCCGGGTTCCTGTCTCCTGCCGTTAAACCAATATC	4
wt-82530-82650	4967	ATCTCAGCCAGGCTGCTTTGGTTACTATTGATGAGGATGAGATGGCCAGGGGTCGATACCTCCGAGCCGTGTAAGCTCTTGATTGTCAATCCATGGCAGGCCCTGCCCTCAGG	4
wt-82650-82890	4969	AAAATGTCACAGGCCCTGAAACTAGAAAGGGTGGTGTGCAGCTGTTGTTCCATGTGTGACAGGATGACGAGTTCCGGATTCAGAGTTCGGGATCTACAAGATCCCTCAGATGAGCCTAAGCAAAGGTGAGA	4
wt-82890-83010	4970	AGTGTGTCCCTCCATCCACCCACTGATAATACGCCGACAATAAAGTTGATGATATTGAATCCACACTGCTTGTGTTGTGATTATTTTCATATCCATGAGAGAGACCTCGCA	4
wt-83010-83130	4971	TATTTGAGAAGGGTCACTGAAACATCTTATCTTAAAACAGTTACACTGAATATGAAGAAAGCGTGGCTCAGCAGAGCAGCAAGCCGATGCCGGGGGGCATCTGGCTCCGAGGAC	4
wt-83130-83250	4972	CCACCAGATTATGGAGATCAAGGTAATGTGACACAGGTGGATCTGAGCCTATTTCACTGAGATTGGCCCCCTTGAACCTCTCGCGCCAGTGAAGATGATCCTCAATCTGGGCCAGTG	4
wt-83250-83370	4973	GAAGAGAATTTAGATGCCGTGCAAGAGAGGAAGAGAACCTCATGAGCAGGAGCAATGTTGGTGCAGATCCCTGGATGCCATACTGCCAGCCTAGATTTGTGGATGTGAACCCA	4
wt-83370-83490	4974	ACGCAGGCTCCAGTGATCCCACTAGTCCACGCTGTCTATGATCCATGTTGGTAAAGAGCCACTAGAACAATTTCCAGATGTTTCGCTTGGATTGTTGGCCAGCTTAATTGATTGTCAT	4
wt-83490-83610	4975	TGGTTTACGAATCGACCTCCGGCCCTAGGCAGTTTATTCCTTGAGCAAACTGAACATCGAAGAATTTATATGGATGTGCATGACCGTGCATCAGATGTCAGGCCATCAGAAAA	4
wt-83610-83730	4976	AAACCATTACCAATGTTAAGCAGAGGCGTTGGAAGTCTCTGTCATCTTGCAGATCTGGCGTATGGGTTACCCGACGCATAACCTCAAAGTAAACAGTTTGTAGTCAGGGGGGACAAT	4
wt-83730-83850	4977	GTCCACCCGGTCTTGTGACTGCTACGCTAGGATGTGATGAGGGACCGGCCATGCAACAACGTACAGTGTGGCATTGTACAGATACCACGAATATCAGACCAAAACCAAAGATCGAA	4
wt-83850-83970	4978	ACAGCCTTCTGATGGCAGCTGCTGAGTCACTTTCCGCGAAGAATATACTTTGTTCTTGTATTAGTATCCTCCGAAACACCCCTGTATGCTATATGGATTGGGCTGGGCACGAAA	4
wt-83970-84090	4979	AACCGAGTTTCATTTAGTATTGAGTGTAGATGTTATGCAAGAAGCCACACTCATATCGCGAATGGTTCGGCCAGTGCACCGGAGCCCAAGCAGCCAAAGCCATGGTTAAGAGCG	4
wt-84090-84210	4980	CATCTGTGCGCATTTCTTATGATGATCCGTTAACAAACAGGAGATTGATCTGGCTATGCCCGGGCAGGCCATGAATATTGAGGCTCCTAGACTGCCAGATGATCCTATAATTGT	4
wt-84210-84330	4981	GAGGATGACGACGAAAGTGAAGAAATTAAGCTGAAAGCGACGAGGAGGAAGACAAGAGTGAATGGAATCTTAAAAATATACCGCAACACTGCCGTACAATCCACAGTATACGGC	4
wt-84330-84450	4982	AGGCCCGCGGTGTTGACCGAAAGTCAAGTGCAAAATCAACCAAAAAATGCAGGGCCATAGTAACTGACTTTAGTGTAAATCAAGGCCATTGAAGAGGAACACAGAAAGAAAGAGGCC	4
wt-84450-84570	4983	AGAACAGAGCAGCCAAAGAGCCACGCTGAATCCCAGGCCCCACAGTGGTCTCCAGCAGCCACCCACGCAGCAAGAGCCTGGCCCCGTCCGGCCACTGAGTGTCCAGGCTCCGGTGGAG	8
wt-84570-84690	4984	CCATGGCAACCTTTGCCCTGGGCCAAAGTGACAGCAGTCTACTTACGAAAGATCCATGCAGGGTGTCCAAGTACATGTTGATGCTAGACCTTCTGAAAAAGACGATGAAGTCATG	4
wt-84690-84810	4985	GAGCAGAGGGTTATGGCAACCTACTGCCACCAAGTACCACAACAGCCCGGGCTGGCAGAAAGAGGCCCTTGTGTCTTACCCGGTACCTAGCCATAGAGAGTATGAGCCGCTTCGACA	4
wt-84810-84930	4986	GAGCCGGTTCATGATCAGTACTGCCTGCCAGGACCTGACCCCTTGAATCCAACCACTAACGTCACCCACCCAGTCTCAACTAGCAGTTCGGCACCAAGTGCAGCAAACTCCA	4
wt-84930-85050	4987	TGGCCGGTGGTTCAGCCAAAGTCAAGTCCAGATGACCCAAACGAAACAGTCCCGGCCACCGGAAACAGCTGCCCCACGCCAGTGGCCAAATGCCCTGCCAGCTATCCCTATGCGCCCTTG	4
wt-85050-85170	4988	CGGATGCAGCCAAATCCATTTAATCATCCAGTGGGACCCACTCCCATCAGACACCTCAAGTGGAAATAACACCATATAAGCCCACTTGGGCTCAGATAGGGCACATTCATATCAGCCT	4
wt-85170-85290	4989	ACACCAACGGGTCTGCTACCATGCTGTTGCGCCAGTGGGCACCCGCCACTGACAGACACCAGAGCGCCACTCCATGTACCACCTGAGGTGCCACCCGTTCCCGGCCAGAGG	8
wt-85290-85410	4990	CCTCGGGGGGCGCCACTCCCACGCCACTCCTCAGGTGCCGCCCTTCCCGGGCAGAGGCCCTCGGGGGCGCCACTCCCAGCCACTCCTCAGTGTCTGCCACTCCCATGCAGCTG	12
wt-85410-85530	4991	GCACTAAGGGCTCCTGCTGGTCAGCAGGGGCCGACAAGCAAAATTTGCGCCAATTGTTAAAGGGGGCGTCAAGAAAGGGAGACCATCACTTAAGTTACAGGCCGCCCTTGGCGTCAA	4
wt-85530-85650	4992	GCCGCTGCGGGCTGGCAGCCTTACCAGGGTCCGGCACCAGTGACAAGATTGTGACAGCGCCTATTTCTACCACCCGTTTTCAGCCCATACAGGTTATGGGGCAAGGGGGTTCGCCA	4
wt-85650-85770	4993	ACGGCCATGGCCGCTCAGCGGTGACACAGGCACCCACGGAATATACCAGGAAAGAGGGGAGTGGGGCCTATGCCCTCCACCGATATCCGCGCTTAAACGAGCGAAGATCGAGGCC	4
wt-85770-85890	4994	TATACAGAGCCGAGATGCCGACGGGGGGGCTCGCACTCCTCCGCTGTTATCTTGGAGAATGTGCGCCAGGGGCAACAGCAGACTCTGGAGTGGGAGGAAGTGTAAACAGGAAAGG	4
wt-85890-86010	4995	GACATGTTGGGGTGGGGGACATTGCAGTTCCTCCCTTCTCTGAAACATCGAACGATGAGTGATTTCCGCCATGTAACAAGAACTGGGATGAACCCCTGGGGCAACAGACTGCGG	4
wt-86010-86130	4996	GGAGGAGGGGGCAGTGATAAGTCATGACAATTTAGATGAGGTAGAATTTGCATATTTTCAGACCCACCATGGAATCATTGAAGGACAGGGGGACTCTAGACAGTACCAGGACAAAT	4
wt-86130-86250	4997	GAGCGGGGAGATAATGTACAGACTACCGGCAGCATGATCAGGACCTGGGCCGGGGCTCCATCCAGTGGGGCTTCTGAGAGATTGGTACCAGAAGAGTCACTCAAGAGATCAGCAA	4
wt-86250-86370	4998	CCTTGGGGCAAAGCAGGGGTGATGAAAACAGAGGCTGGATGCAGGCCATCAGGCCAAGGGCAGAAAGAGCGGCTGCCTTGTCCGGCCATCTTTAGACACGGAAGACAAATGCGCCCA	4
wt-86370-86490	4999	TGGTTGCCTCCACAGCATCACACATATACCGCAAGGAATATCAGGGATGCTGCCTGCCGGGCTGCAAGGTGAGTATGCCTTAACTGGGTTATGGGGCCATCTAAGGCCACGTT	4
wt-86490-86610	5000	GTGACCCATGTTCCATAATTTAGCAATCGCACTGCAAGCGCTATCAAACCTGACTCGATAGTGGTTAGACACACAACACATCTGTCTTCGTTGATGGCAGCCAGGAGCGCT	4
wt-86610-86730	5001	TTCAGGACATTCAGCTGGACCTTGGTTCGGAGGGCGGTGGTGGCGACATTGGCTTCAACTCTCCAGCCAATCCTGGCCATGGGATATCGTACAGCAACACTACGCACAT	4
wt-86730-86850	5002	TAACTCCCGTCCCTAACAGGGTTGGGGCTGACAGCATCATGTTAACTGCCACATTTGGATGCCAAAATGCGGCACGAACTTAAACACCTTCTGCCACCGTGTGGACACCACCCATG	4
wt-86850-86970	5003	CTGGACCAAGAGAGCAAGAAAGATACGCTCGGGAAAGCCAGGTACGCTTCTTCGTTGTAATGGCAGAGGGCGTACCAGAAATCTATGATTTGATAGAACTGTGTGGCTCTCTGCACC	4
wt-86970-87090	5004	ACATTTAGCCAAAATTTGCTCCAGACCAGGAGAACTTTTATGATTTGCTGCGTTTCACTGGGTGTCATGCCAGTGCATAATCCAGCTGTGAATTTAGGTTTCAAGACAATCGGAA	4
wt-87090-87210	5005	ACTTTAAGCCATATTACCCGTGGAATGCACCACTAATGAAAATCCATACACGCGGAGAGGCATAAAAAGAACACGTAATCCAGAACGCATTTGAAAGGCACAAAACAGGGTTTAT	4
wt-87210-87330	5006	CAATGTTAGCAACGGGAGTGAACCCAGAGGTGATGCTACTAGTAAACGAGCAGTGTGATGAGACACCCGTAGACAGGGTTCGACCTGAGCTAGAGTCTCGGACGATGAGCTGCCAT	4
wt-87330-87450	5007	ATATCGATCCCAATATGGAGCCGGTTCAGCAGAGGCCGCTCATGTTTGTGAGCCGTGTGCTGCAAAAGAAACCGAGGAAACTGCCTTGGCCACGCCCAAGACGCACCCAGTGAAGCGCA	4
wt-87450-87570	5008	CAAAATGTTAAGACCTCTGATAGATCTGATAAGGCAGAAGCACAACACCCCTGAAAGGCCGGGGCCCTTCGAACAATCATCAGTGACCGTGGAGCCCGCCACCCGACCCGGTGGAGA	4

wt-87570-87690	5009	TGCCAATGGTGATTCTCCATCAACCACCTCCAGTGCCCAAACCGGTTCCAGTCAAGCCTACGCCACCGCCTCCCGTAGGAGAAGGGGAGCGTGTGTGTGACGACGATGATGTCATAG	4
wt-87690-87810	5010	AGGTGATTGATGTTGAAACCACCGAAGATTTCATCGTCAGTGTACAGCCAAATAAGCCACATCGGAAACATCAAGACGGCTTTCAACGTTACGGCCGACGTCAA AACACGAGCCGCGCTC	4
wt-87810-87930	5011	CCACCGTGAGTCTTCGGATACTGGGCCTCTGCGGTGGGGCCTCTGCCGCGGGGCCTCTGCCGCGGGCCTCTGCCGCGGGGCTCTGCCGCGGGGCTCTGCCGCGGGGCTC	12
wt-87930-88050	5012	CTGCCGCGGGGCTCGCATACTGGCGCTCTTCCGCTGGGCCTCTGCCGCGGGGCTCACATAGTGACGCCCTCTCCGCCCGGCTCGTATAATGGCGCTCCCGTCGTACGTATGT	8
wt-88050-88170	5013	TTATGAGGGAGCGACAGCTCCCCAGTCCACCGGCCGTA AACCTCAGTGCTTCTGGGAAATCGGGCTGGTGTGAAATACACAATGCAACAAGAACCAAGTTCACACCTGCAGTCCG	4
wt-88170-88290	5014	CCACTCAGCTACAAGCCTCGCCCATGATGGCCCCATCAGTCTGCCCTCTCGGTGATGTGCTGGTAAGGCCAGCCATAGAAAGTTCACACTTCAGTTCCATGTCGCCACAC	4
wt-88290-88410	5015	AGCCGATATCGCACGAAGAAACACCCGGTATGAGGATATGAGATATACTGACTCTCTGTTAAAGTTTACATTCAGACGTTGCTGCTCAACCACTCCCGAGGCTCCATCCAGGGATACCAG	4
wt-88410-88530	5016	AGCCGCGGGCCCCAGGCTCCATACCAGGGATACCAGGAGCCGCCGCCCGCCAGGCTCCATACCAGGGATACCAGGAGCCGCCGCCCGCCAGGCTCCAATCATCTTCATATCCAGGAT	8
wt-88530-88650	5017	ATGCCGGTCCCTGGACCCCAAGGTCTCAACATCCATGTTATAGGACCCCTGGGCACCATGGTCTCAAGATCCTGTGCATGGGCACACCCAGGGTCCATGGGATCCAGGGCACCACATC	4
wt-88650-88770	5018	TCCCACCTCAGTGGATGGATCTGCAGGACATGGCCAGGATCAGGTCTCCAGTCCACATCTGCAATCGGAGACAGGCCACACGCTTCAACTTTCATTGGTGCCACTGGTCTCAT	4
wt-88770-88890	5019	CCTCTGCACCATCATGTCATCTCCACGCCCGGAGCCCCATCAGCCCCATTCCAACAAGTCCCCCTCCCTATGCCGTTACAAGATAGCATGGCCGTGGGTGTGACTCATCAG	4
wt-88890-89010	5020	GTACAGCATGCCCAAGCATGCCCTTTGCCAGTGATTACAGTCAAGGTGCATTTACCCACTGGACATTAATGACCCACGCAAAAAGGGCTCGAGTAGAAGAAAGTTCTCACGGACTG	4
wt-89010-89130	5021	CCCCGTGTCCCAAGCTACTGCTGAAGCACAGGAGATTTCTCAGTGACAATTTCTGAGATCTCCGTGTCCCAAAGGACGCGAAGCAGACTGACTACGATGCATCCACTGAAAGTGAGCTAG	4
wt-89130-89250	5022	ATTAAGGGGATCCAAGGTGACCCCTGTAGCTATTTGATCTTTGACTGACACATAAACATGGTTAAGGAATGAACACTCATGGTGTGAGACTGGAAGTACTAAATTTGCTGACATAT	4
wt-89250-89370	5023	GTACAATGAGAGCCAAAATTTGATAAACCTTAAAGTCCCCCATCTAATGATGTCCAGTCCCTTCTCCACCTGTACACCCCGACCCAAAGGACTCAATGGCATTAGATTTCTA	4
wt-89370-89490	5024	GTTACCACAGTAGAATATCGGGCTGGCCATAAAAAAAGTGCATGGATAGTCTGACAGGCTGGAAACCCCATCCAGGTGTGCTCTTTTTGGTGAATAAAAACAGCAT	4
wt-89490-89610	5025	CCTTTATAGAAAATGTATTTCTCTGGTGTGACAGTATGACAGTTAGCTTTGGTATAGTTTTGGGTAACCTGAAATGTGTCAGGGTGGGTGTCACATGGCCAGTTTTACCTTTTG	4
wt-89610-89730	5026	TCCCATACTCTGCTCGGCCGTCTGTTAAAGTAAACCGCGGTGGAGATCCACCGCCAGACCTTACATTTGTTGGTACCAGGTGATGGCCGCGGTGCCACCCGCTCTCT	4
wt-89730-89850	5027	CCTTTACCTGGGTGGCAAAAAGTATGCCAGGAGTAGAACAATAACAAGTGCATGGATGGCGTAAACAATGCCACCTCACCTGCTTAAATGAAACCATGGCAACCACTTCAAAGAGAGCC	4
wt-89850-89970	5028	GACAGGAAGATATTTAATAATCCATTAGTAAACGAGGCGTGAAGACAGCGGTGTTTCAATAACGGGAGTTAGAAATTTAAGAGATCCTCGTGTAAACATCTGGTGTCCGGGGGATA	4
wt-89970-90090	5029	ATGGAGTCAACATCCAGGCTTGGGCACATGCTTCAACAGGAGCGCAGCCTGTCTTTTTCAGATGATTGGCAGCAGCCACCTCGCGCAAAAATCAGGCGTTTAGATGGGGCATTTA	4
wt-90090-90210	5030	TGTTGGGACGCTAGCCGCTGGGCACTCGTGTGATATACTGACCTACGGTGTGCTGACAGGTTGCTTAAACTTTGGCCGGCATTTCTGGAAGCCACCGGACTTTGATCGC	4
wt-90210-90330	5031	TTTTTTTAGTTCAGAATCGATTCTCCAGCTCGAGCAAGGGAATCGTTACTACAAGTGGTCCATAGTCAGTTGAAACAAGCCCAACATCCGCTGCCGCCCTCCATGAGCCCCA	4
wt-90330-90450	5032	CCGTCCGCTGCCGCCCTCTTGAGCCCTCTTACCGATTCTGGCTGTTGTGTTTCCGTGTGCTGTGCCGCGGACGCACTGGTGCAGGCTGTGGAACACCAATGTCTGCTAGCTG	4
wt-90450-90570	5033	TTGTCTTGGTATAGCCCGGGCAAGCAAAACCACTGCTCTGTGTTGAACAGTAGAATTGTCTCCAGTGTAGGGTCTCTCCCGGCTTGTTAGTCTGTTGATCTGGGTAT	4
wt-90570-90690	5034	GTCCGGAGCTGGGAACAGCTGAGGTGCTGCATAAGCTTATAAGCATTCTCAGGAGCAGGCTGAGGGGCGA AAAACCCAGCCAGTCCGAGCGGTTGAAACATGATAGGCAGTTAGCTG	4
wt-90690-90810	5035	GCCTTGTGGCAGGCTCTGGCAGCACCGGCCACAGCACACAAGGCAAGGAGCTTGCATGCCCTCCAGGTCTGATAGACTTGGTACTTGGTCAAAGCTTGTACAAAAGCTGCAC	4
wt-90810-90930	5036	CTGGTATGGGTCAGGTGTAATTTTACATCTTCAGAAAGTCGAGTTTGGGTCATCTTCAGCAAAATAGCAAAAGGTGGCCGGCAAGGTGCAATGTTTAGTGAGTTACCTTAACA	4
wt-90930-91050	5037	TCTCCCTTTAAAGCCAAAGCCACCGCTCTCTGTGATGTGCTGTTTGGGACGTGCTAAATTTAGGTGTGTCTATGAGGTACATTAGCAATGCCTGTGGCTCATGCATAGTTCTAAA	4
wt-91050-91170	5038	AGAGGAGGAGGCAAGTTTTCAGAAAGTGTCTAAAATAAGCTGGTGTCAAAAATAGACAGCCAGTTGAAATAGCATGGCATGCAGCAGACATTCAATTTAGAAATGTATCCAAGATTTC	4
wt-91170-91290	5039	ATTAAGTTCGGGGTTCAGGGGGGAGTCCAGATTCAAATCCTCTGTGATGGACTAGTGTGTTGGTGTGCTGTGTTGTTGGTGTGTTGTTGTTGGTGTGTTGTTGTTGTTGTTGTTGTT	4
wt-91290-91410	5040	TATGGCTCTCTCTCTCTGCGGGAATAACAGTGTGAGCCATCTCCCTTAGGGCTTACGGCCTGACTGTTTCTCATCAGGCTTCCAACAGATGACTTGCCTCGGGGTTACTGC	4
wt-91410-91530	5041	GGGGGCGGGTCAAGTGGCTGGGCAACCGGGCTGGCGTTAGGGATCCGACCGGTTATGGACAGGTCCTGTGGGGTGGGAGCCAAAGAGGCAAGGCAAGGCGGGTGGCCACGGGA	8
wt-91530-91650	5042	TCCGGGTGGATGGAAGGCCTGATCTCTTTGGCTGACACACCTCTCGCCCTCGAACACGTGAGATATGGCACTGCCGCTTCCGGCTTTGGCAGGAACATACCTTCCCGGCTATCCCT	4
wt-91650-91770	5043	GAGGCCCTTCTTCTTTAACGGGAGGAAGAAAGTGGGCTTTAGGGGTGGGGGAATATGGTCTCTCATCGCTCTTGGTGGACCCTGCTATCCAAGGCTGTTAGGTTCCGCCG	4
wt-91770-91890	5044	GTTGGAAGGACATGAGGTTTACCACGGTGGGCTGGATGTCGGCGCGACTTTGGGGCCCGAGGCGCGGGCCTCGGCCCTGGCTCTCCCGCTGCTCTGCTGGTGTCACTGTT	8
wt-91890-92010	5045	GCCCAGTCACTGCTGCTGAACTGCTGACCCGAGTGGCGCTTTGGGCACCGGCTTCCAGGGCATGGTCCGGCTCGGGAGACTTTCCAGTTCATCTGTAAAAGCATGAACTGTCC	4
wt-92010-92130	5046	GGACTCCGAGTAGCGGGCCTCGGTGTGAGAGGACCCCCATCAATCCCCATGAGCTCTCTGCTCCATCCTGTGCGGCTCCGGACACGAGGATAGGAGTTTCACTGCTTGGACTGGTTGA	4
wt-92130-92250	5047	CAGCAGGCACGGGAAGCAGCGGCTCACGTAGTCTCTGTCCGGCTGGCTGGAGTAGGAGCCCGGGGAGTGTCTTAATCAGAGCCCTGACATCTTAACATCGTCCGTCAGATG	4
wt-92250-92370	5048	GCCTGTCTGGACGAGACCATAGTCTGGAACATCTCTCGAGGACGGATAGGTGAACACCCTTCAAAAAGGCTTGAAGTGGAGCTTAGGAGCCCTCTCTCCATCTGTTTCAG	4
wt-92370-92490	5049	GTGTTCCACTACTGCTTGGCCGAGCCATGATGACCAGGCGGCTCCACGCCAGCACCCTGCTGATGAGTGTAGCCCGCACCCGACTGTGTTTAGGAGCTGTACATAGCGGTGCCAT	4
wt-92490-92610	5050	GGTGGCAGGAATCATACCCGGTGGCTGGGGCCTGGATGAAGAATCTGTAGTACCCTATCAGGTGGTCAACACGTAGCGCATCACTATAGGGCACCGGATGGAACATGCTGCTGTT	4
wt-92610-92730	5051	GCCGGCATCTCAGCCCGTCTTCTTACCCTGTGTTTCGGGAAGTGGCCAAAATGTCAGATGTTGAGCGTGGCCATTAGCCCGCCCATCTCGCCGTTGGCCCTGGCCATTAT	4
wt-92730-92850	5052	AAATGCCTTGACATATTTTAGGATCTCAGAGTAATCTCCACACTCCCGGCTGTAATTTCTTGTAGGACGTTGACAGTGTGACAGACAGAGAGCCAGCTGCTTTTTGATTTTCAGG	4
wt-92850-92970	5053	AGTTAGCCTCAGAAAGTCTTCCAAGCCATCTTTTAGGCCTCATGGCTAGTAGTAACAGAGGAAATGCCGACCATTAAAATCTTCTCCATGAGCTTACTGAAACACTATCCCGA	4
wt-92970-93090	5054	AGTGGGGGATGTTGCATCTACTGAACACCATCGGGTCTGACTGCGACTCCCACTAGCCACCCACTCTGACAGCCAGAGGGGCTGTTCTGGCAAGAGTCTTGAGGCTGTACA	4
wt-93090-93210	5055	GCAGCACAACTGCTGGAAGACACCATCGTCCCCAAGATCTTAAAGAGCTGGCTATTTCTTAGAGCTGCAAGTACTACTCCCCAAGGATGAAACAGCGTGACATCGCCGAGGTTCT	4
wt-93210-93330	5056	TGACCACCTCAAGACGAATCGGGACCTGGGCTGGACGACAGACTTGGCCCTGATTAGGAACTGCGCAAGCAGACACCATGCTGTAAAGTGTCTCATGCCAGGACGACTA	4
wt-93330-93450	5057	CACAGCCGTGCTGCTGACTACTAGCAGCCATCTCCATAGGTATGAGGAAGTAAATCGCGATGCTGCCAGTGGCTATGCCTCCATGCCTCCATGACGGCCACGACAACTCTC	4
wt-93450-93570	5058	CCACCAGCTTGTGTCGCTCGGGCCAGTGAAGAACCTGCGCTGGCGGGTCTTTAACAGGCTCCTCTGAGCTGTGGCCCTGCAAGTTTCGAGATGCATTTACTATAA	4
wt-93570-93690	5059	CTACATTCAGGGATCTATAGCCACCATCTCCAGCTTCTGCACCTCGAGATCAAGGCCCTCTGCAGCTGGATAATACCAGGATGGCATGCGCCTCTTCAACACAGCAGGCTCTCT	4

wt-93690-93810	5060	CACCCTCTGGGAGAGCGTGGCCGCAAAATCAGGAGGTCACGGATGCCATTACCTGCGCTGACTGCGCTGAATACATAGACCTACTAAAGCACACAAAACATGTCTAGAAAAGTGTCTGCG	4
wt-93810-93930	5061	CATGCAATACAAAATAAATTTCTCTTACCTGCGTCTGTTTGTGTAGTGAAGTGTGTGTCTGTATGTGATTCTACTTTAAAAAGGCCGGCTGACATGGATTACTGGTCTTTATGAGCCA	4
wt-93930-94050	5062	TTGGCATGGCGGGACAATCGCAATATAAAACCTGACCATCACATGGGCAATTAGGCGACTCTGCATCAGCATCGCTTAAAGTATGAGTGGGACGAGAGAGGCTCGGTATTTGGTTTC	4
wt-94050-94170	5063	CTGAACATCTGGCTGGGGCATTAACTAAGCTTATGAGCGATTTTATCACAGGACAAGATGTCACCTTTCTGGAGAAATATTGCAGTCAAAATTGCGGATGCTATAAAACGACCCCCG	4
wt-94170-94290	5064	GGGGTGGTGATGACTACTTTCTCCCTGTTTGTCTTATGGAATGCCCTCCCAACATCTGGTAGACAATCTCCAGGGACGATTTAATCCAGCGCCCGTGCAGGCTGTAAACCCAGG	4
wt-94290-94410	5065	CCCACAATTATGTCTGGGTATTTCAGGTGAGACTCACACAGGACACCCAGCTGCTCCGGGCTATCGTACGGGCTCCAAAAATTGGGTGGATTCTGCGGGATGTC	4
wt-94410-94530	5066	CAGAGTGCCACAATGTCTTAAAGGCTTAAAGGCAATTAAGCCGATTTATGAAATCCATTAGGAAATACACACACTAAGCAGTGTAGTCTGTCCCTGCTCAATCTCCTGAACTGTTGGTCC	4
wt-94530-94650	5067	ACAAGCTTGTGGCTTACGTGGTCATGTGCAGCTTGCATACGACGCCGTGCTCAGCCTGACTTTCACGAAATCCCTGACCTCGATGACTCCGATGCTGTTTTCGCACGACCTTAT	4
wt-94650-94770	5068	TGGCAGCCTTATTTACCTCAATATGTTCTTTATCTCAAAGATTACATAACACAAGACTCCATGAGCTTGAAGCAGGCCCTCAGTGGTCATTGGATGCTGCCAGGGCAACCCCTGCG	4
wt-94770-94890	5069	CTGCAGCAGCGAAACCTGCGAGACTTGGAAAGCTTTCCGAAATTCGGATAATCACTTTTATCTCCCGACGACAGGGCCCTTAAACACCTTCCAATTTCCCGAAGAGCTTCTGGGGC	4
wt-94890-95010	5070	GCGTTGTTGTTATGTTCTCTTTGTGTGCCCGAGTCACTTTCAGGACGTTATCACCATTGGTGTGGGGCGGGTGTCTCTGCTCTCGTTTTCGGCCCTGCCCGGCCCATCTTC	4
wt-95010-95130	5071	GCGAGCCCGACGACATGCTCTCAGTTAACGAGCAGAGGGAATGAAGCTCAGGCGAACTTGGGCAACCCGCGGGGACCTCCCTGCTGTTCGCCAGTTTTGCCCATCGTTTCCC	4
wt-95130-95250	5072	TGACGGCTCAGGGCCAAAGCAAAACCGCGGGGGCATGGATCCTTGCACCTAGCCAAGCTGAGGAAACCTCCCGCGCTCTCCCGATGCCCCATCGTTCGCCAGCGGCTCCA	8
wt-95250-95370	5073	GGTCCAAGCAGCACTGCGGGGTCACTGGATCCTCACAGGCCGACCCAGCTTTCTCCGTTGCCCGAGTACATCTGTCTGGTGACCTTGAAGAGGAAGAGGAGGGTCCCGAGAAT	4
wt-95370-95490	5074	CCCATCCCTACCCTCCAGCAAAAAGGGGGACGAGGAATTTGAGGCTGGCTTGGGCTCAGGACGCAAACTTGAAGGATGTTACGCGGAGTTTTCCGGGCTGCGAGTAATTTGGTATG	4
wt-95490-95610	5075	AGGACGAGGATGGTTCGGAGGATGGGGAATTTTCAGACCTGGATCTGTCTGACAGCGACCATGAAGGGGATGAGGGTGGGGGGGCTGTTGGAGGGGGCAGGAGTCTGACTCCCTGTATT	4
wt-95610-95730	5076	CACTGAGCGTCTTAATAAAGATGCTCTATTGATCTCTTTAGTGTGAATCATGTCTGACGAGGGCCAGGTACAGGACCTGGAAATGGCCTAGGAGAGAAGGGAGACACATCTGGACCA	4
wt-95730-95850	5077	GAAGGCTCCGGCGGCAGTGGACCTCAAAGAAGAGGGGTGATAACATGGACGAGGACGGGGAAGAGGACGAGGACGAGGAGGGCAAGCAGGAGCCCGGGCGGCTCAGGATCAGGG	8
wt-95850-95970	5078	CCAAGACATAGAGATGGTGTCCGGAGACCCAAAACGTTCAAGTTGCATTGGCTGCAAAGGGACCCACGGTGAACAGGAGCAGGAGCAGGAGCGGGAGGGGAGGAGCAGGAGGGGCA	4
wt-95970-96090	5079	GGAGCAGGAGGAGGGGACGAGGAGCAGGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGCA	8
wt-96090-96210	5080	GCAGGAGGAGGGGACGAGGAGGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGG	8
wt-96210-96330	5081	GCAGGAGCAGGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGG	8
wt-96450-96570	5082	GGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGG	8
wt-96570-96690	5083	GGAGCAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGGACGAGGAGGGG	8
wt-96690-96810	5084	GGCCGGGCTGAGGAGGAGTGGAGGCCCGCGGGGTAGAGGACGTGAAAGAGCCAGGGGGGAAGTCTGAAAGAGCCAGGGGGAGAGGCTGTGGACGTGGAGAAAAGAGGCCAGGAGT	8
wt-96810-96930	5085	CCCAGTAGTCAGTCATCATCCGGGTCTCCACCGCGAGGCCCTCCAGGTAGAAGGCCATTTTCCACCCTGTAGGGGAAGCCGATTTTGAATACCACCAAGAAGGTGGCCCA	4
wt-96930-97050	5086	GATGGTGAGCTGACGTGCCCGGGAGCGATAGAGCAGGGCCCGCAGATGACCCAGGAGAAAGGCCCAAGCACTGGACCCCGGGGTGAGGTGATGGAGCAGGGCAGGAGGAGGGG	8
wt-97050-97170	5087	TGTTTTGAAAAGCATCGTGCTCAAGGAGGTTCCAAACCGAAATTTGAGAACATTCAGAGAGGTTTAAAGAGCTCTCCCTGGCTAGGAGTACAGTAAAGGACTACCCGACAGGAACTGG	4
wt-97170-97290	5088	GTCGCGGTGTGTTGATATAGGAGGTAGTAAGACCTCCCTTTACAACCTAAGGCGAGGAACTGCCCTTGTCTATTCCACAATGTCTGTACACCAATTGAGTCTCTCCCTTTGGAATG	4
wt-97290-97410	5089	GCCCTGGACCCGCCCACAACTGGCCCGCTAAGGGAGTCCATTGTCTGTATTTTCACTGCTTTTACAAAACATATATTGTCTGAGGTTTTGAAGGATGCGATTAAGGACTTGT	4
wt-97410-97530	5090	ATGACAAAGCCCGCTCCTACCTGCAATATCAGGGTACTGTGTGCAGCTTTGACGATGGAGTAGATTTGCTCCCTGGTTTTCCACCTATGGTGAAGGGGCTGCCCGGAGGGTATGAC	4
wt-97530-97650	5091	GGAGATGACGGAGATGAAGGAGGTGATGGAGTGGAGGTGAGGAAGGGCAGGAGTGTATTAATTTGTAGGAGACCCCTCAATCGTATTAAGCCGTGATTTCCCCGCACTAAAGAA	4
wt-97650-97770	5092	TAAATCCCAAGTAGACATCATGCGTGTGTTGGTATTTCTGGCCATCTGTCTTGACCAATTTCTGCTCCCAACATGAGGGCAATTTGGGCATACCCATGTTGTACGTCACCTAGCT	4
wt-97770-97890	5093	CCGCGCTCAACACCTTCTCGCTTGGAAAACATTAGCGACATTTACCTGGTGAGCAATCAGACATGCGACGGCTTTAGCCTGGCTCTTAAATTCACCTAAGAATGGGAGCAACCAGCT	4
wt-97890-98010	5094	GGTCATCAGCCGCTGCGCAAAACGGACTCAACGTGGTCTCCTCTTTATCTCCATCCTGAAGCAGAGCAGCTCCGCCCTCAGGGGCATCTCCGTGAGTGTAAACCCCTGGAGACTCT	4
wt-98010-98130	5095	TTACGGTTTCATCTCAGTGGAAAGACCTGTTTGGTGCCAACTTAAACAGATACGCATGGCATCGCGGGGCTAGACCTCTGGCTGGATGAGCACGTTGGAAGAGGAAACAGGAGATTGGT	4
wt-98130-98250	5096	GTGAAAGGAGAAAACTGCTTCTCCCGACTTATGGCTAGATTTCTACAACCTCAGCCCATCTCCAGCGCAAGCTTGTGCTGTTTATGCTGTCCGACCGCTGCGGACTCAGGCC	4
wt-98250-98370	5097	ACCGTCTACCCAGAGGAGGACATGTCATGGCTGGGCCCGCTTTTTCGACCCCTCTGATATTAAGTGGTTATTTTGGGCGAGGACCCCTATCAGCGGGGTCAAGCAACCGCCCTGGCA	4
wt-98370-98490	5098	TTCAGCGTCGCATACGGCTTTCCAGTTCGCCCGAGCTGAGGAACATCAGCAGGAGCTGCACCGAGGCTGCCGGAGTTTTCTCCCCAGATCAGGGCTGTCTAGACCGTGGGCTCC	4
wt-98490-98610	5099	CAGGGGGTGTGCTACTCAACACCATCTGACCGTGCAAAAGGGCAAGCCCGGCTCGCACGACAGATTGGCTGGGGTGGTTACTGACCAGTAATTTATTGCTCTCTGAGCGGTTA	4
wt-98610-98730	5100	AAAGCGTGCCTTTATGCTGTGGGGTGCAGAGGCGGGAGACAAAGCTTCACTAATCAACTCAAAGAAAGCATCTGGTTCTGACCTCTCAGCATCCCTCTCCCTGGCCAGAACAGCACC	4
wt-98730-98850	5101	CGAAAGAGTGCCAGCAGAAAGTCTCGGGCAACAACCACTTTGCTCCTCGCTAACCACTTTTGGCTGAGAAGGGGCTCGGTGAGATAGATTGGAGGCTGTAGAGGGGTATCACTATGGC	4
wt-98850-98970	5102	CATGTTTTGAAGTCGCTGGGGTCCGGTCTTTCAGGGACCCGCGCTTTGTCGGACAGGAGGAAAGACTTTCACAGCAGCAGCAGCTACACTCTGGGGTCTCAGGCCCTCCAGTCTAT	4
wt-98970-99090	5103	CCAGGAGGAGCAGTGAAGTACTGACTACTCAGATGAAGACGAGGAGATTGATTTGGAGGAGAGTACCCAGTACGAAAGACCCATCTGAGGGCAGTGATAGCGACCC	4
wt-99090-99210	5104	CTCGTGGCATCTCAGATTGACAGCAGTCTGACTACAGCAGAGCGACGAGGATGAAGCAACCCCGGCTCTCAGGCCTCAGCATCTCAAGAGTCTGCCATCTACCAACAGTCTTC	4
wt-99210-99330	5105	AGGTCTGACACCCAGCCTTCTGTTCTCCGACCAAGCAGCCCGGGACCTCCGAGGCGCGGCTCCCGCGCGGTCAGGGGACGGGCTCAGACCTCCAGGCCACCAGCCCAAGTTCA	8
wt-99330-99450	5106	GCAATCCACCAAGACAAGGTTCCCACTAGACACTACCGACCTGACTTAGAGGCCAGCTCCAGCCGCCCTCCACCTTCAAGTCCCAATACATAAACAACATGATGAAAC	4
wt-99450-99570	5107	CACCCGCCCATTAAGGGCAATAACAACATACTGCAATGGCCATGGCTGTAAATAAAATGCATAAACCTGGAGTCTGATGCTGTGTTTATTCAGTAAACCAAGTAGTGGCGTGGTTCT	4
wt-99570-99690	5108	TTAGGGCATCCACGATGAGCCGCTGCGGGGTTCCCTCCCAAGTATCATCTCGGATAGGGGATTTCTGTCATGACCACGCAATTAGAGTGGCGGGCCCGGGACAGCGCCACATACA	4
wt-99690-99810	5109	CATGGCCGGTTGATGTTTCTGTGGCTGCCGAAGCAGATGGCGACTTTGTTTAGGGACAGACCTGGGCTTGGCTATGGTATGGCCAGCTTGGAGTAAAGCCATAGTCACGGATGC	4
wt-99810-99930	5110	TGCAGAGGTTACGGACTTGTCTCTATCGTCTCATACAGTTTGTAGTATTGTTCCAGGACGACACGAAAGCCTGCCTCATCTTGACCATTAGCCTGGGCATGCGTGAAGTCCAG	4

wt-99930-100050	5111	CGTCTGAGGCTGCTGCTTCTCCGATGCCAAAGAAGACGTGAGATGCGTGTAGCCAGAAGCGTGTAGTCTCGTGGTGGAGGCGTAGTCCAGGAGGCGGTGAAGGAGAGGCTCGT	4
wt-100050-100170	5112	CTGAGGTGAACCTCTATGTTGTGCGGAATCAGCATGTTGTTGGTAAATGTGCAGAAGGGGAGGTCCTGAACCTCCCTCCGCCATAGCGGACGGCCACATCCAGGCCATTGCCTGAAATAGG	4
wt-100170-100290	5113	CCCTGAGGTCAATTATATATGTTTAAACAGGGAGCAGAGGGGGGAGAAATTTGCGGCCGGGGGAGCCAGTACTCGGGCATAGAAGACAGCGGGGGCTCCGCTCCCATCCAGGCCAACC	4
wt-100290-100410	5114	CCAGCGGCGAGTTCGCCAGCTCCATCCAGCAGTCACTCCGGATCCACGTAACGCCCGGGGACAGGGCAGCAGCACAAGCTCCGCCACGTATCCCGGTTTTACAGAGAGAATGTCTCT	4
wt-100410-100530	5115	CGTGGCTAAAAGCGTAGATGCTCCGATAGATGAGTTCGGGCCAGGAAGCTGTAGACAATACTCGGGTGTCTATGCCCGTGGGCCCTCCACGAAGCTGTCCGCTCGAGCGTGCCTAAAGT	4
wt-100530-100650	5116	CCCCGAAGGTGCGGTATAGCCACAGATGGACTTTTTGGTCTGCAGTGTGACCCAGACCCAGCTGTGCTTACGTTGACATGTAGGTGACCTTGACCCGTTCTCGTCTGCTCGT	4
wt-100650-100770	5117	TGCCACCCGGGACCATGCTTGGTTCGGCCCGCGGTAGAGTGGGGTACCGAGCGGTGCAATAATTCTTTTGGAGCCAGGTGTGGGCCGTGAGGCCCGGAGCCGACCCAGGGTCTTGTACTGGG	4
wt-100770-100890	5118	CCAGGGGATCGAGGAAGACTCGCACTCCACCGGGAGGTAACATGGTACCCTCCGCTCCCTCCCGGGTCCCGCGCGGGCAGCAGCCCTGCCGCGAGCTTGTAGCGTGGCATGGA	8
wt-100890-101010	5119	GGGTGGTGAAGAGGCTTGACCTCGCGTGGGAGAGGAGCGGGTCCAGCCAGCTACTGCGCGGGTCCATTATGGCCGCGCTGGGAGCAGCAAGCGGTGAGCTAGGCCAGGA	8
wt-101010-101130	5120	TGTCGGCGAGAGCTCGAGGCCGACTCGAGGGTCTTATGAGGTGCTCCAACTGGACGTGCGTGCAGCGCTTGTGTGATGAAGAGGGCCAGTTGCGGGCCAGCTCCAGCTAGGTGCG	4
wt-101130-101250	5121	CGGCCCTGGGTTGCCACCAGGAGGTGAGGATGTTGTCGCACTCGCAATCTTGTACCTGGGTCTGTGGCTAAAGGAGGACTGAAAGCGTCTGTGCTGGTGGGAGGCCACGC	4
wt-101250-101370	5122	AGACGATCGAGGAATGCGGCCCGCGGTGCTCCGACTTTTTGAGATCTGCAGGGAAAGTACGCTACGCTCCAGGGACAGACCATCTACGCCAACCTCCGCAACCCCGGAGCTTCTCGAGGC	4
wt-101370-101490	5123	CCACGATCACATTGGTGGTCCATAGCTGCCCTGGTGCATGCTCTCAGGACCTCAAAGCGGGGCCAGAGACTCCCGAGTAGAGCCCTGGGCTGGTTCGCTGAACTCGCGGCAA	4
wt-101490-101610	5124	TGTCGGAGAGTACCAGCCAGTATTTGGCCAGGTCGGCGCTGGAGTTCCTTAGGGCGCGCTCGTAGAGCAGCCATGACTGCTGACCCGCTGCGTCAATTTATGTCGGCGCTTCTGA	4
wt-101610-101730	5125	ACCCAAAGGCGCTATAGACGGTGGGCGTAGGCTCGGAGTGTCTGGGAGAGTTCTGTGCGGCCACGGTTGTGGCTCCGTGACCAAGCAGCTCCATCGTGTGGTGGAGGCAGCTAACGC	4
wt-101730-101850	5126	TGGTGTCTTCCAGCCCCCGCTTCCCGTAATACATAGGCTGAAAAGGGCAGGAAGGGGGGCTCCGAGAGCTCCGGGTCAAACCTCGGGGAGAACGCTCCATATCCGGGAGTTGTT	4
wt-101850-102090	5128	TTCCCTGTTACCCACGCGCGCTCGTCCGACTTTTTGAGATCTGCAGGGAAAGTACGCTACGCTCCAGGGACAGACCATCTACGCCAACCTCCGCAACCCCGGAGCTTCTCGAGGC	4
wt-102090-102210	5129	AGGTGTTTACCCATTGTTTAAACAGGACATCTCATTGCACGTACGATGACGTGCTACATGACTGGAACAAGTTCGAGGCCGTCATCCAGAAGCGATGGCCGAGCGATGACTCGTGTG	4
wt-102210-102330	5130	CGAGCCGGTTCGTGAGTCCACCTCGAGTCTGGTCCACGACCATGAAGCTGACCCGTCGTGACCTGCTGACCAACATCTACCGAGTGTACACAGCCGCTCCGTGCTCTCTATG	4
wt-102330-102450	5131	AGCGTATTGTGGACTGGATCTGCGCCACCGGATGCTGGCCCGCTTAAAGAACCCATAAACCAAGAGCTCCAACCTCAAGATAAAGAGCCTGAGGGACAGGTGCGTCTGTCGGGAATTGG	4
wt-102450-102570	5132	GGCAGGAGAGGACCATCAGGAGTATCGGGACGGAAATATAGAGGCAACGAAAGAAATAGAGTCTCAACTCCACGTTTATCCCGAGTTTACGGAGGTGACCATCGAGTACCTTC	4
wt-102570-102690	5134	AGAACCCTTTCATGCTACCGCAGCTGGAGCATGCAAGATCTGCCAGCTCTGAACAGGGCCCTTCAAGGCCATCTGTTGGCCAGGGGGGAGAGCATGACAAGGCATCTGG	4
wt-102690-102930	5135	CCCATCTGGAGCAGAAGTCAACAGCCAAAGGACCCAAAGGAGAGCTGCTGAACTCTGCTGCTCAAGCTCTCGGAGAACAGACCATCAGCGGGTCCAGCGAGTGGTGGAGGATTCTATAA	4
wt-102930-103050	5136	CGGATGCTCCAAACACTGGTGGACCGCAACCCTGCTATTTGGCCAGCCGGGAGACAGCTGCACAGGGCTAAAGAAAAAGTCTCCAAACCGGTGGTCAAGTGTCTGACTGATCAGA	4
wt-103050-103170	5137	TAAACGAGCAATTTGACCAATTAATGGCCTAGAGAAGGAGAGGGAGCTCTATCTAAAGAAAGTCCGCTCCATGGAGTCTCAGCTCGAGCCCTCCCTGGGTCCCGGGCACAACCCAG	4
wt-103170-103290	5138	CGGCGTCAGCCCCCGCAGTTGCGGCGAAGCCGCTGTGATATACTGACGGGCGAGCCCGCTCCGCAATCGAAAAGCTGTTCAACTCCCGTCCCGCAGCCTGGGTGCCAGGG	8
wt-103290-103410	5139	TGTCTGGTCAAAATGAAAGCCTCAACAGTTCGTTCTCAATACATCCCCCTTCGCGGAAATGACTAAGATCTGACTGAACCTTTGGGAAAGCGAGCTGTTTAAACACTTCAAGT	4
wt-103410-103530	5140	TAAACCCCGTGGTTGATAATCAGGGGACAGCGTCTACGTCAGACTCGTGCAGACACGATCTATATTATTGGGCCCCCTCACTATCTGTTGGCAGAGGCTTACCCGTTGGAACCTCG	4
wt-103530-103650	5141	TGACAGATGTCTACGCCACCCTAGGCATCGTGGAGATCATCGACGAGCTCTACCGGAGCAGTCCGCTGGCCATCTACATCGAGGACCTCGTGCAAAATGTCGCCCGGAGCGGACCCG	4
wt-103650-103770	5142	GGGAGATCATGGCATCCGGCAAGCACCATCAGCCCGGGGGACAGCGAGCCGACCATGCAAAAAGTAAGCCTGCGCGTGACCCCGCCCTGGTGTGGAAGTTAACGCCATAACGCC	4
wt-103770-103890	5143	ATCTGCGTGGCCACCAAGTCCCTGAGTTCTACAATGCCAGGGGGGACCTAACATCCGAGACCTCCGGGCCACGTCAAGGCCCGGATGATCTCGTCCAGTTTTGCGGCTACGTCCTC	4
wt-103890-104010	5144	GTGAGTCTGCTGGACTCCGAGGACAGGTCGACCACCTCAACATATTTCCCCACGTGTTTCCGAGAGGATGATCTGTACAAAACCAACAATGTGAACCTTATGGAGATGTGCCCTG	4
wt-104010-104130	5145	CTCTCGATGATTGAGAATGCAAGAGCCCTCCATAGGCCTCTGCCGGGAGGTCGTTGGGTCGCGTACCCCTTTCGCACTCCAAAGTGAACAATCTGGAATCTGTTTCTGTACAATGG	4
wt-104130-104250	5146	GCCAGGACGCTGCTGCCACCCTGGTCAAGTACCAGACCTGGAGGAGGGGGCTGCCACCCCGGGCGTGGAAATGAGGGCCTGAGTCTCTTAAAGTGCACAAGGAGCTGAAGCGCGCC	8
wt-104250-104370	5147	CCATCCGAAGCCCGGACCTCATGACAGCCCTTTCTGACCTCGGGGAAGATGGGGTGCCTGGCCAGGTACCCCAAGGATTACTGCGCGGATCAAAACAGGAGGAGATGCCAACTCG	4
wt-104370-104490	5148	GGCTTCACATTTAACTGTTTTATCAAGATTCTTTATGACCAAGCATTCCAGTGCCAGACCGTCTCCAGACCTTGAGACGCAAGTGCCTCGGGAGTGACACGGTCTCAAAAATAAT	4
wt-104490-104610	5149	CCCTAGAATAAAGTGAAGACGTCATCAGTAAATCTGTCTCGCTGATTTCCATAGGAATGGTGTAGCCGGGTGGAGGCCGATACATCAAGCAGAAAGGCCATAATCTCTCGA	4
wt-104610-104730	5150	AAGTAGCGGTGGGGCTGAGACATGCTCAGTGGCCGTCTGGCAGGGGGCCGGCGCGCTCCGTCCTTGTCCAGGAGACACAGTGGCTTCCAGAGAGCGCAGCCCCAGCCCTCCGACG	8
wt-104730-104850	5151	CGCTGAAGCCAGGCTCGCGGAAGAGCCAAAACCTGTTTCCGGCGCCCGGGGGGCCAGTCTCCGGGTAGGTCGCGGACCGGTCACAGGTTGGTGGTGGGATGGCGGGCCCTGTCT	8
wt-104850-104970	5152	GCCTCGGGTCTCGCCGCTAGTTGGTCCAGGGTCCAGGAGAAGGCTTCGTGCCAAAACAAAAGGGCCCGGAGTGTCTCCATCCACCAGTAAAGATCCCTGAAAGATGGCCATC	4
wt-104970-105090	5153	AGTAGGCACCCGGGCCCGCTCGAGCCTCACCCGAATGTTGTCGCGGGCCAGGTCGCCTTCCACCCATACATCCCGTCCAGCGCGGCTGGCATCTCCGAGTCTTTCACGCCCTGTC	8
wt-105090-105210	5154	AGGAAAGCCTAGGAGATACAGCAACAGAAAGCTATTAGCCGGTGGTTCGCCACCATCATCTTCTGTTAACGGGAAAGATAAGAGTTGGGCAACCCCGGGGGCCGCTCTCCACC	4
wt-105210-105330	5155	CAGCCCCGCTCTCACCTGTGCTAGTGCTCTTGAAGGATGGGCGGAGTGTGGCCAAAAGCCAGGATGAACCTGTGCTGCATAAGCCAGGTCAGTCCTAGGTCAGCGCCGCGT	4
wt-105330-105450	5156	GTAGGAGAACCAGGTCAGCGCGGTGAGAGGCCCGGAGTGCCTGCGCTGTCTGAGTGCATAGCGGTGAAGGGCCCGCAGCCAGGTTTGGCGCTCCCGCCCTGCCCTCCGCCAT	8
wt-105450-105570	5157	CAGGCTTCCACGGGGGCCCGCTGGCAGAGAGGTGGCAGCGGGCAATTCTGAGGCCACCAAGTGGCATCAGCTCAAGGATGGTGTGGCCTCCGCGCGCCGACCCGCTCGTCT	8
wt-105570-105690	5158	CGTCTCCCCCTCCCTCGCCGCTTCCCGCGTCAAACGTTGGCGAGGTTAATCTCCTTTCCGGTCCGGGGCCAGATTTGTTGAGGAGCAGCCAGCCGCTGTTGCCCTGACCCG	8
wt-105690-105810	5159	CGTCGAGGCCCAGGAGGGCTGCTGCCAGGGGGCTCCAGAGACTCCAGGTTCCAGGTCCAGTAGCAGGAGCCCTCGTGTGGCGCCGGTGCCAGAAGGCCGCGCTGCCCTGCCA	8
wt-105810-105930	5160	CATAATGGATGGGACAGGAAGGGGAAAGCCCGGACATAGGGCTTCTGAGCCCTGGCAGAGTTCGGGGTCCAGGAGTGAAGATGGCTTGGTGCCTCTGTGGTGGCGTAGC	4
wt-105930-106050	5161	AGGAGGCATAGATACTCGGAGGAAGGCGTAGAGCCCGCCCGCCACTACTCCAAGATTGACAAGCCAGGACTCGAATCCCAAGCGGCTCAAGAATTTTCAGGCTGACCGGCTGCC	4
wt-106050-106170	5162	GTCGGCGTCCCAACCGCCGGTGGCCCGTGGACGACACCAGATCTACTTCATAAGTGACCGGTGCGAGGATGCTCCATAAAGGGGACGGGAGAGGGGTGCTGGGAGTCTGGTGG	8
wt-106170-106290	5163	AATAGGTGAAAACATCCCACGCGGTGCTGATGTATACGTCAACTGTCGGGAGACTCAGAGTGCCTCTGAGCATGGGGCATGCTGTTCGCCCTCCATCTCGGACCCGAAGCCAT	4

wt-106290-106410	5164	CAACAGGTGGGGTTGTTGGTCCCGCCCATCATCCCCGAGCAGCTTTGGCAGACCACCTGTGCTGGAAAGAGAGGCTGGAAGATGAGGCCCTGCTCATCTCCACCTGGCGGGGACA	4
wt-106410-106530	5165	AGAGTCTCGGGTCTCGGGTTCTAAATGAAAGGTCAAATAGTCCCTTCTCGGGCGCATCGGCAGCATAGCAATAGCCCCCGCTGCGCTGAGCTCCCGCTCCCATCGCAAAAGTTGA	4
wt-106530-106650	5166	GTTCCGGTAGTCGAGGGCGCGTTGACCACGGGGGCTCCAGGGAGCTCCAAGCGGGCGTGGCAGGCTGCACCACGATCAGAGTCTCAACGCTCCTCCCTTTTGTGGGACGATGCCCA	8
wt-106650-106770	5167	CGACCCAATCGCCACCACCGCCCTGCGGTCTGGGTAAACATATAAAAGGTAAACGAGCTGACGCGGGCCCTGACGCTCTCCGCGGGTGTTCATCATTTGTTGAGATCTGAGGAGGA	4
wt-106770-106890	5168	CTGGACCCCTTAAACATCCGGTCAACGCCCTTTGCAAAATATTTAAAGGTGAATGCTCAACTGAGACCATCGCAATCATGAAGTCTCCAAGATGACACGTTGCTATAGAAGCGTG	4
wt-106890-107010	5169	GTCAAAACGCTTGTGTACTTTGTGATGTTTGATGTCGGCGGTGGTCCCATACCAGCTTTCCCAACCTGGGTACCCTGCTACTTTAACCAGCACTGGTTGATTACGGGGCA	4
wt-107010-107130	5170	CTTAACCTGACCAATTACAACCTGAGCCACCCAGCTCATCTTGAGCCGCGGAGATGTTTCCGCTCACACTGCTCTTTATCGCGGACTGGCTGGCTTTTCATCTAC	4
wt-107130-107250	5171	TACGCTCGCGGAGGTGGCGCTAATCAAGGCCGAAAAAGGTCTCGGGTCTACAGACCTCTCGGCTGGGTCTCGGAGTGGGTCTCCCAACCGTCTGTTTTGGCCATCTCAAG	4
wt-107250-107370	5172	CTCTGGTCCATACAGGTCTTCATCCAGGTCTTCTCTACAAGCACGTCTTCTCTCGGCTTGTGTACTTTTGGCACTTTCTGGCTCAGTCTACAGCCCTGCGCATGTGTGACCCGC	4
wt-107370-107490	5173	TTCTCCCGGCTCGGTGGTCAAGGCCAGGACAACCTTATCCCAGGACACCTTCTGTGGTGGTGGTCTTCTACCTGAAGCCCGTAGTTACAACCTGTACCTGGGTGCCTTGCC	4
wt-107490-107610	5174	CTGGAGACGCTGGTCTTCGCTCAGCTGTTCTTGGCCCTGGCAACAGCTTTTACTTTATGGTGGGGACATGGTGGGAGCCGTGAACCTTCTCTATCTGCCCATCTTCTGG	4
wt-107610-107730	5175	TACATCTGACGGAGGTGGCTGGCCCTCTCTCCGCGCAACCTTTGGCTTCTACTCGGCGCATGTTTCATCGCTCCATCATCTGATCTGCTGCCCTTGCTCAGTACGAGCCGCTCTT	4
wt-107730-107850	5176	GTCTCCGCCAAGCTGCACACCAGTGGCCATCAATGTGGCCATCATACCTATCTCTGCTCGGTGGCCATGCTCATCAGGATATGCCGGATTTCAAAGCATGCGCCAGGGCACTGAC	4
wt-107970-108090	5178	AGGTCAACCAGGAGACAGAGGCCCGTCTACCCAAGCCCTGCTCTCCTCCGTTTACCGATGACGACGGACAGGAGGAGAGATCTCCCTAATGCAATAAAAACCTTAAACACTGA	4
wt-108090-108210	5179	GGTACTTTCCCGTATTCTTTGCGGGGAAACGAGGGGAGCGGGAAATTGGGTTAAGATAGGGGCGAAGGGTGGGGTGGGTGCAAGAATTGGGGCTGGGAATTGAGAGGGGAGTGGGCTA	4
wt-108210-108330	5180	GGTCCGACACCGGGTGCCAAGATAATGGATTGAGTAAGCATGGGGCTGATCGGGTCCCGGGTCTCAGGGGTGTAGTGGTGGGCATTGCATTTTTGGCCGGTGTGTTGG	4
wt-108330-108450	5181	GCTTTGGACTCGGGGTGATCATCCGACCATTACCCGACCCGACCCGACCCGAGTCCACAGCCACCGCCAAAGTCTCGGCTCCACCCACCGTTATGCCCTCCCTTTACCCATTAATAC	4
wt-108450-108570	5182	AAGAGATGTTAGTTGGTTTTTATTGGCAAAACAGCAATTATCATTTTTCAGAGTCTCATATATTCAGAGCCCTCGTTGGTTTCCCGCAGGCCCTCCCTTCTCGGCCGCTATT	4
wt-108570-108690	5183	AGCTTAGTAGTCTCCAGGTTAACTCCTCATAGTCAATTATACAGGTTGATTATCCCCGTCACAGTCCGCTATGGAGTTGACTCGTCTGGCAAGAGACCAGAGGGCACCCATGGCG	4
wt-108690-108810	5184	CGGTGCAAAAGTATTGTCTGCGTACGCTTCCAGGAGCCAGCCGCGGTGCTCAAGGCTTACCGATGACAGAGTCCGCGCAGGACCAGGGTGTCAACGACCCGCCAGGGAAATCTCCA	4
wt-108810-108930	5185	CCGAGGCTCCAGAAGCAGGTCTGAGCCAGGCTGACGGCCGCGGTCTAGAGGCGACCGTTCGAAAGAAGGCCGTCACAATGTTCAACCCGGGTGAGCAGTCTCCCGGCTTGC	4
wt-108930-109050	5186	AGCCCCACTGTGGCGAGCTAGTCTCCAACAATTTGTATTGGAGGACACTGGTAGAAGTAGTTGCGCTGGATTGATGAAGATGTTGACTGGGACCCGCTTTAATACCAATGC	4
wt-109050-109170	5187	GCCCCGATTTTTCGTTGGTCCGCTATTACGTAGAGCATAGACTCCACCCCTGTTGGCAGTAGGCTGTCTGCCACCAGGTCATGACCCGGGCCAGTTTGCCTTACGGACATCTT	4
wt-109170-109290	5188	TAAGATCCAGGCCTCATCTCGCTCAACAGATAGTACCCTCCGAGGGCAACCGCCATCCGGGACGTACTCCACGGTAGGACGAGCTATAGAATTGATAAATCTGATAAATGACCTCT	4
wt-109290-109410	5189	TGCATGGCTCTTGTAAAGCCAGTGTAGGATGGTAGATGGGTCAAATTCGACTTGGAAAAGAGGACTTGAAGCGGCACCTAATCTCATAAATGACAGTCCGGTGGTGAACAGTA	4
wt-109410-109530	5190	TAAAGTCTCCCTGTGACTCCACATTGACGCAAAAGTCCAGAGACACCCAAAAATGCCATCCGTGGGACTAATCATAAAGCAAAATGACGGTGGCGGATGCGTCCCCGAGATGAGCT	4
wt-109530-109650	5191	TACAGCAATGTCTTGACCGTCTCCTCACCCGACGCCCCAAAGGCCACAGTCCGCCCCAAAGTAGTATTTGTGGAGATGGAGCTGGCTCAACACCTTGGTGGTCCATCTTAATGG	4
wt-109650-109770	5192	TGGAGAGCAGCTTGGAAAGAGAAATATGCCATTTCCGCAATATGCTCCACATCAGGTTCTCAGACTGCCCCCTGGTCATGGACTCCACGTACGAGCAGAGAACAGTCTCTGCTCGG	4
wt-109770-109890	5193	TGGCTCCTGTAGCCCCAGTAAATGGATTTCAAGGGAGGACCGTCTTGGTGTCACTTCTTGGACTAACGAGGAGACAAAGTACACAGAAGCCAGTTTACCAGAGAAGCTCTGTATTT	4
wt-109890-110010	5194	GTTTACAGAGGCAATAGAGATAGACAAGCCGATGGCCGGCATCTGAGGTGGACGGTCAAGGTTACGGACAAGGGCTCAGTCTCCGGACTGCGGAGGAGGCGGCAACCGTGTAGGAGG	4
wt-110010-110130	5195	TCATCTCCTCATGGGATCCTCGAGCTATCCACGTCGGCCATCTGGACCAAAAGAGTCTGCTGCCAAGAGTTCAGTACCAGACCTGGAAGATGAGGGTGTCAAACCGTGGCGGACAG	4
wt-110130-110250	5196	TGAAGAAGTAGTCTCTTGAACCTCTTTAAGGCTCCGGCACCCTGCAAGAATTGACTCATATATGCTCCCGGTGACATCCACGCAGGACTCTGCCACACGAGTCAAGCCCATG	4
wt-110250-110370	5197	TCTAAGTTCAGGTTCCACATCTGCGACAGCACCCTCCAACAGCACACCCTTTGGGGTCAAATTTGCAAAAAGTAGAGCGGGTCCGATCGGTCAAATCCCATGTCAGGTTGGGTAGGGG	4
wt-110490-110610	5199	ATGTGCCAGCCCCCTCAAGATGTAGCACTTGTCAAAGGCGAGAGGGCTTATAGGTTGCTTGGCTATAGAAAATGGTCCCTCTGGCAATAGAGGCGATAGAGCTGCCGGCCCTTA	4
wt-110610-110730	5200	GAAGACTTTAGCCGCACATCCAGCATCTTGTTCGGTCTGGAGGGAAGCAGTCCCATATCAGTCAGGACCAGGCTACCATGCCCCACATGGTGTCTGTGAATCCACCAGGATGTTG	4
wt-110730-110850	5201	CTGGGGCTAATGTCGCAATGGAAGAGGCGCAGTCCGATTACAGAAAGTAAACGGCATCTTTGAGGCCCTGAAAGCCCGCACACAGGGGCTCAATACTACCATCATGCCAGTGCCATAA	4
wt-110850-110970	5202	TCCTGGAGACTGCATCTGAAGTGGGCATAAACAGGGCGTGGCAGGACGTCAGGCGGACAGGATGTCACCAGGGCTTGTCTGCCATCTCTGGCCGTGGCCTTCCAACTGAATC	4
wt-110970-111090	5203	ATGTCACACACCATGAGCTCGTGATACAGCTCCGTACAGAGTATAGAGTTTTGACCCTGGCATTATCTGCATGTGCATACACGGCCCGTAGCTCCCGCCCGCAGCAGATACTCGCAG	4
wt-111090-111210	5204	GTAATGGGAGGTGATCACAGCGCTCATGTTCTCCGGCAGCTTTACATAGAGGGTCTCCGTGATGTCATCAATGTTGGTCCACTTCAAGGTGTTGTGCTGAAAGGTGAAGTAATCAATG	4
wt-111210-111330	5205	ACAGTCACTTCCCAAAAAGGCGTGGTCTCTCGAGGGGGTTCTGGGAGACACTCAACTCGCCACTGCTGGAGGAGTTCGTCGGGCTCAACTCCGACGCATATTCACATCCATGTTT	4
wt-111330-111450	5206	CTCAAATGGCTCGAGGGCTGTGCGAGCTGCTCTGGCCTCAAGCTCCTGCTCACGGAGCTCCTCCACCCGCTAGCTGCTTGTAGTTGATTTTTGAAAATGAGTCTTGTGCGGGT	4
wt-111450-111570	5207	GACCACCTCTGATAGGTAGAAATAGTCTTTGGACTCAAACTGCTCCCTTGGCTGGCGCAGGACTCTAAGGACCCCGAGCAGATGTAAGTGTGTTTCAAACAGAGCGTGGTCCCT	4
wt-111570-111690	5208	CCCAAATCTGCACGTGCGCTCACAGCGCTCTTTCTACCAGGCTCTTAGTTGCTGGGCCACAGATCTCGCTTAGAAGTCACTCACTTCAAGTACCATGTCCGCAACTG	4
wt-111690-111810	5209	AGCCAGATCATACGTGGGGTACAGTACGGTGTTCAGTGGAGGCTTCCCGTAAATTTCCACAGCCTCCACCATATATCTTTGCTCCTCCCGTTAGAATTAGGCAAGGATCATACG	4
wt-111810-111930	5210	TGTCACCGGCTTTTATACTGAGCGTTTGGTTTGTATGTAGCAAGCACAAAAGGCACACAGAGTATGCAAAAAGGTTCTGAGGCAGCAGGACAGCTGTTTGGCATTAT	4
wt-111930-112050	5211	TCAGGCGGCTAACGTCAAAGGAGGAGCTATATCCCTACCCTCCAGTCACGACGTCACCAAGTACAGGGCATAACACACCTGTTGAGGTGTGCCAGGAATGCCCTATGTTGGCACATG	4
wt-112050-112170	5212	GTGATAAACCCGAGTGGGTAGCAGAAATAGGCCCTTTTGGCCGTCGCCGACGTAACCGAGCTCTCCGAGTGGGACTGGGGCTAGAAGAGGGCCACATCCAAGGGA	4
wt-112170-112290	5213	GTGGTCTTACGACCAGGGAGTTCAGGTTGGAGTGGGCCAATTTGCAAGGCTGACCTATAACCTCTTGTTCAGGCCACGCAATTCGATAAGGTTCCGCAACTG	4
wt-112290-112410	5214	CCTCAAACACAGACCATGCCATTTTCAAGCTGAGGGGCTTCAATCCGGCTGACCAACCTTGTCCACCAACTGCCATTTCTTGGTAAACGGGGGTTGAGGGGCAAGAGCTCCAAAG	4
wt-112410-112530	5215	CCAGGCTCGAGAAGTATAGTATCTCTCGCCACACGGCCGAGCTCCGGGCTCTGTCAGGAGGCTGTTGCTGGGGGAGGATATTGGACACGAGCAGGAAGCTCTTGTAGTGGCTCT	4
wt-112530-112650	5216	CCACCAGCTTAAATGCTCGGGCGTCTCTGGCAGGCTCCAGTGCCAGTTCCAGACACTGCCATACCTGCGGGCGAGCATCGGGTATCGGGCATATCGGCCTTACCCTGTTGAACA	4

wt-112650-112770	5217	TGCTGTATGCCTCGCAGCGCGCCGCTGACCGGAGAACCTAAGAAACGCCCTTACGACGACAGCACCACGCAAGGCTGCCTGGTGCCGAGACCCGAGTATTATGTACACAGGGGCCA	4
wt-112770-112890	5218	AGTCAGACAGGTGGGCTCACCTCTGTGGGCAACAATCACGCCAGTAATTTATATTGCCAATGCTTCGAGCATACTGCCGCCACTATGGCCCCAGGCCGGTGTGTAGCTTCTGATG	4
wt-112890-113010	5219	AATCATTACCCATGTTCCGGTGGAGCCCTGCCCTTCACACCCCAGTCCAGGTCCAGATGTGCTACTACCAGAGCTACGGCAGACGTTACAGCGCCTGCTGCCACCACCCAATCTTGAAG	4
wt-113010-113130	5220	ACTCCGAGGCCCTTACGGAATTCAGAACCCAGCGTGTCTCTGCCCGTGCCATCTTGTAGGACCCCAACTTTTTGGAGATGAGAGAGTTTGCACCAGCCTGGCCAGCTTCCTGAGTGGTC	4
wt-113130-113250	5221	AGTACAAGCAACAGCCCGCCCTAGAAAGCATCCAGAAAACAGTAGTGTACATCTTTTTATTCTGTATCTCAATCAAATCTTTAGAGATTACAGACACCATGTTTGACATCTTTC	4
wt-113250-113370	5222	AAAGTGCCTTTCGGATTGGAAGAAATGACGCTGGGAAGCTGCACATTTTAAAGCAAAAAGCCAGCGTGTTCCTTATCCAGCGCCACGGCAAGACCTGGATAGTGTGGCCATCATCA	4
wt-113370-113490	5223	GCCCTCATCCTCGAAATCTCTCCAACGTGCAAAATAGGCTACGTGCTTACCAGAAAACCTGTCCGGTGCACATCGCATGTTAACTGAAATTTATTGACACCTGACCAAGAGCTTCCAAAGC	4
wt-113490-113610	5224	GTGTAGAGGTCAACAAGGAGACCCAGCACCATCACGTTTAGGCACAGTGGGAAAACTCCAGCACCATAATGTGTGCCACCTGCTTCAATAAAGATGAAGACCTGACGTTTCAGTACTTG	4
wt-113610-113730	5225	GCAATTGTAGAGCATAAGCCGCTGTAAAGGTGCAGAAAATCGCAGCAGGTCCAAGGTTGTGCTGTACATGGGACTCTTTCCCATTAGCAAGAACCCCTGACAGACACGTGACATGTC	4
wt-113730-113850	5226	CGGGTGCAATTTGGTGGGTTAAATCTCAGTCCACCAACAAGGGGGCATCTCCGGTGTGAACATCAGACCAACAAGCCCGATGCCAGTTATGGTACGTAGTGTGTTTCAGGGC	4
wt-113850-113970	5227	CGTGCATGGCAGCAGAAAGCAGGTGCCAGATGTGCTGGGTATCGTCTCCAGCCAGCCAGGATGTTACAGTGGGCCCCGGCACCATGACATGTACACATTCGCCGTTATC	4
wt-113970-114090	5228	ACATCTGGTTAGCAGGTTGATAAAATGGTGCAGTGATGGAAAGTTGGCATTTCCGGTGCACATCGCATGTTAACTGAAATTTATTGACACCTGACCAAGAGCTTCCATACCCAGGC	4
wt-114090-114210	5229	ACCACCCCGTCCAGTGGGATGATCTCCGAGGGTGTGATATCTTGCAGTCTCTACTGTTTTAACGGCGGTTGAGTGGTAAAGACGTGGGCCGGTGATCTGTGCAGGTGACTAC	4
wt-114210-114330	5230	AGGGTTACCCCTAATCTCCACAGGCACCGCCTCACCCACTGCATCTGAGAATACCCAAAGTACATGAGAGTCAAGCTGTGTGGCCCCGGACTGCCTTAGTGAAGAGAACCTCGGGCCT	4
wt-114330-114450	5231	GGCCACGGTGGCTAGGGTTCATTTGATGTAGACGGTTCACATAGTGGGCTTCTCTGGGCTTACGACAAATGAGGGTAAACATTCATGTAGGTTTTAGGAGTCCGGCTATCTGAGGCAC	4
wt-114450-114570	5232	GTACACAGCTGACACGGCGGTTGTGGCCGATAGACTTTCATCTGGGGCTAGAGGCATCGCTCAGCACCAGAGGCATCTTGTGAGGAACCTGCGAAGCTGTTCCCGGCTACTGTT	4
wt-114570-114690	5233	CGCGGCGGATGCCATGACGTGCCAGAAATATCCCTCTCCTCGGGGTTGAGTGCACAAATGGCCCTTAAACAAAGCCCCAGCAGCAGCAAAAATGCCTGCCCGTCCGATGTTGGTGG	4
wt-114690-114810	5234	CCAGGTGGACGCAGTCCCGTCAAGGGCTACTAGTGGGAAAGCAGCCCAACCAGCCACCCGGGGGCTGGAGTCGATCACCTTACCAGGCCGAGGCCCTTCTCATAACA	8
wt-114810-114930	5235	GCGGGTGGCTATCTATCCATAGGCAGGCATCCGGCTCTTGGTGCATGGAGATAGTAGCTTTCACCAACAACCTTCCCACTAACCCGTTCTGGACAGTGAAGAACGCTTCCCTGA	4
wt-114930-115050	5236	TCAGTCTGAAATTTTTATAGATACGGGAGTAGGAGGTGGGAATAACAACCTGGGAATTTCTTGTGTGCTGCCAGGCCATGTCGCCAGTTTTCCCTGAAGCTAGCAGAAATTCAGGGG	4
wt-115050-115170	5237	CCACTGAAATGAGGAAGCGAAACCTCTCTGGAGCTCCCAAAATGAAACCTCAGCAAGTCTGTTGCTGGGGAGGCATGGGTGACAGCTGTATCTGTCAGCTGTCGCCCTGGGCGC	4
wt-115170-115290	5238	TCAAGTCTGGATGTGACAACATAGAGAGCGTGGGGCTAAAATATGAGCAATTCCTGTACCAGGGCCCTGGACTCAGCAATGGCCCGACGGGCTTAGAGAAAGAAAGAACGGCACCC	4
wt-115290-115410	5239	TCGAGAGTGCCTCCAGCCGACCCCAACAGTGCAGCCAGTCCCTGCTCGGCCCTCCGCGCTTCCCAACGGCGCTGCCCGGATGTTGCTGGGTTTCTCAGAGGGTGGTGGTGGTGG	8
wt-115410-115530	5240	ACACAGAGTCTCAGCAGCGCCTTGGTCTCGGCCCGGCCCTAAGTCTGAGCCCCAGGCAAAAGGGCCGACTCCAGCGTGGCCCAACTCTGCTCCCTCTATTCTCTTTCGTTA	4
wt-115530-115650	5241	TCTCAATAGAAATTTGCTTGGAGTACAGTGTAGGGTGTGAGCTGGGCCGCGCCACCCGCGCATATGCTCTATACCAGCCCTCCGGGGGGCCAGGATCTATAGGTATGGGCTGCA	4
wt-115650-115770	5242	TAGCCGAGCAGACTCTGGACCCAGAGGCTCTCTGATAAGATGCCCGTGGTCCAGAGCCCTTTGGCCCCCTCAAAGAGAGACAGGTAATAAATCTGTAGTCCCAACCAGCCCTC	4
wt-115770-115890	5243	CTTCATCGTAAATCGAAGGGCGGCCAGTGGAAAGGGTGTAGAGCTTGGAAAGGCCCTCAGCAGTACACTGGCACACTGGTAAACGTGCCCGATGGCTAGGCCGTCCGGGCAGCA	4
wt-115890-116010	5244	TGCCCCGAGCAGCAAAACACGCGGCAGACCCCTCGTGGAGCCGCTCCGCTCAATCAGGGTGCATCGCTGGATCCATACATACGTGGTACTCGCCACAGCCCAAGGCAAGCAACCGC	4
wt-116010-116130	5245	TGTCGGGAACAATAGGTGCAGCAGGAGGGGGTCCGAGGCCACTCAACACTTGGTTGTCATGTGGACATCCATAGCTCTCTCATGCGTGGTACAGCATCATAGCCTGTTCT	4
wt-116130-116250	5246	GGTGGATTTAAATAACAGGGCCCGTAGACAGTCTTGTGAGTAAATAGAGATGATGACATGGATGTAGAGACTGAGGACCACATCCACCACCTTCTCGAGGAGGCCCCCTAAACAG	4
wt-116250-116370	5247	CATCAGGCAGCAAGGGAACAACAAGAAACAGGGCCGGATGTGAGGCCTCAGCGCCCCCTCTGATCAAAGAGGGCCTCGTGACCCCGGAGATGACATTTCTATTGAGAAAGTAGTG	4
wt-116370-116490	5248	ATAGAGGTGATTGACCACAGTCTAACAGGCCCTGGACTTGTTCAGGCTCCACTTGTCCCGTGGTCTGTGTCTTGTGGATCTCGTCCAGGGCCTCAGCGCGGCTGGAAATG	4
wt-116490-116610	5249	CGGCCCATGTAGTTGCTGTAAAGGGCGCACACCCTCCCTCATGGTCTCAATCAGGGTGCATCGCTGGATCCATACATACGTGGTACTCGCCACAGCCCAAGGCAAGCAGCGCA	4
wt-116610-116730	5250	GGCCATGCTCTCAGGTAACGGGAGATGGAATCCAGCTTACTATACGAGCAGAGTGGCGAGGATGGGCTCATCCGTGCCCCCTCCCGCCGGGGAGGCTCAATCGGCCCTTGGTCTGA	4
wt-116650-116970	5252	TCAGTGGGGTCCAGCTCAGCAATCTCCAAATCTCTCTCCCAATAGTGCTCGCTCTTATCTGCTCTTCAGAGCATCCGGGGGAGACATTTACCTCTGTTTGTGGACAGGC	4
wt-116970-117090	5253	TAACTTTTCAAGAAGGAGCCCTGCCGGCATCTGGGCTTATGCTTCAGAAGGATGCCAAGATTATCTTCATCTCGTGTGAACTCGGCTGACAGGCCACAGCTTTCTTTATAA	4
wt-117090-117210	5254	GCTGAAGGATGCTCAGGAGCGGCTGTGAACGTGGAAGTATGTGTGTCAGGAGCATCGCAAGATTTGACATGCAGGACAGCATGGTCTATGCCCTGCTTTCGCTGCACATCCC	4
wt-117210-117330	5255	GTCTACATACCATGGACAGCAACATCCGAGCAACCACCAACCTCTTCTGGACGGGCGCTTGAACCCGAGCTGATGGGTGACACCTCTCGCTGAGCCAGGGTAGCCGTCAGCCGCA	4
wt-117330-117450	5256	TGTGCGTGACGATGCCATCAACCAGCTGGAGCTCTGCCGGTGGACACCTCAACCCCGAGTAGCCGAGCGCTAGCCTCTCCCTCTACGTGTACGTTGATCCGGCTATACCAACA	4
wt-117450-117570	5257	CACATCCGCATCAGGCACCGGAATCGCCCGGTGACTCACGACAGGGCGGACCCTAACAGGGTTCATGCTCGTGGCCCTGGAACACTTCTCTCAAGGACTAACAGGGGAGCGTGCCCT	4
wt-117570-117690	5259	CTCAATCATTGGGGAATCCTGCCCCCTCCCTGCGCCTCGTGACACAAAGGACAAAGCAGTCCAGCCTGCAAGTGGCCATGACTCTGACTAATGAGAAGTCAAAGGCCCTTGGAG	4
wt-117690-117810	5260	GCTCATCTACGCAGTGAACACGGCCGCTTCTGCCAGTCAAGTCAACCTTCCAGCTCCCTCGATCCGCTCTCTATCTATCTCCAGATCAGGGCCATCAAGCC	4
wt-117810-118050	5261	CATCCCTCCGCGACGGTACTCAACTACACCGGCAAGCAGCAACCTCTGACGAGCTGTGTTGCGCTAGTCAATGCTTCTCGCAACAACAGAGACACAGTTCAA	4
wt-118050-118170	5262	GAAAGTTCATTAACACTTTATTGACTACACAGTCCCTTTGATAAGCGCAGGGTCTCGCGTGACGGCATTCTGTGACGAGGGCTTGTCCAGGGGCTTGTCTTGGCGGACATCATTAGCCCA	4
wt-118170-118290	5263	GCCGCAAAATCAGAAATTAGCATCAGAAAAGTGAAGCCCACAACACCAAGTGTCCAGAGAGGAAGACCGTAAGATAAAGATGGTGCCTCTCATCTGGAACGGTGGGAAGCTCAGCAGTT	4
wt-118290-118410	5264	GTTTTTGTGGCATTGGACGTCCTTTGGAGGACAGCGTGGGGGCCAAGGTGGTAGCGTGGTAATACGGGTAGTAGCACTGGTGGTGGAGGAGGACCTGGTGGTACATTGCTAGTCACA	4
wt-118410-118530	5265	CCCGTGGAGGTTCTGTCCGGCTCGGTGGCAGTGTGTTCTGTGACGTAACCTTAGTGGTGCATGATGATGTTGGATGCGTTGGAAAGTTGTTGGGACTGGTGGACAGTTGTCCAGTC	4
wt-118530-118650	5266	AATGTCACCGTGGTTGTTGGTGTGCTAGAATAGCAGTGTGATTTATAGGGCGCTAGCTGTTGGTCAAGGTCTGAGACTGGTGTGTTGTGTTATAGGACCCGATGCCAGCGTGGTGTAGTG	4
wt-118650-118770	5267	ACAGCCGTTGTGCTGTACGCTCCCCCGAGCCGCTGCAACTGCAGCTAGATGTCACAAATGAGCGTTGCTCAGAGATGAGTATCATGBCATAACAGCGCTGCCCTGTGCTGTGCGG	4
wt-118770-118890	5268	TGTGCCATCGGCTGAGACGCAAGGCTCCCGGCCCTTTTTATAGTGTGCTCCACCCCAACTCTACTGAACCATCACATACATGACCTCTCGAGGATGACAGGGAATGAGCGG	4
wt-118890-119010	5269	TCCGTGAGCCGGTCAACACGACATGCTCCGGTTTATGCTCCAGCTGCCCTGACCAGTTAGGACCCCTTACGGATGTCTTTAACGGCGCGTGCAGTTGGTACCACATGACGGCCTA	4



wt-119010-119130	5270	AAGGCCAACACATCCTTGAAGCAGGGCGTAGGAATGGTACCAAACTCGGGGCCACCCCATCAAAGACATAATATGTCTCATAGTGCCAGTGATGATGCATCACCACCAGCACTCGCC	4
wt-119130-119250	5271	AGGACCCTCTGCATATCTTGTAACAAGGCGCCCTTCAAAGCTCGGCCACTGGCTCTGGTGACGTTAAATGTCTGTTCCATTAGTACAGCCCTGTAGATTGGGCACCCAGACTCAAAAAGT	4
wt-119250-119370	5272	GCAGTACATGAAGGGCAGCCGCCTCAAATCCACCATGACCCCCATGGCTGTCGGTGTGTTGGGGTAATAAGTACATTGTTAATGACCACGGCCGGGATAAAGGGTGAACCTTGACAG	4
wt-119370-119490	5273	AATGGATTGGTCGGACACCCATAAGACAGGGGCACCCCAAAAACACGCCCCACCCCGAAGCACCCTTGGCCCCCAACGGCATAAAGCTGGGCAAAAAGAGTGGGTTAAAACCACAAAGGCC	4
wt-119490-119610	5274	AGTAGGGCCAGGAACGCCAAAATAGCAGCAGTAATAGATGAAAACAAAGCTCAGCATGAAACACAGCGTGGAGGGCTCAGCTAGGGTCTCTGCCTCTCCATATAGACATCTTCCTTGAATCTC	4
wt-119610-119730	5275	ATTCCTCACCGCATACTCGCTCTTCATCCAGGGGGCCATGGCTGCCATTCACGATTACAGGAGGAGAGAGTAGGTCGCGGAAATGTTGCCCTCTCCCTCCCTGCAG	4
wt-119730-119850	5276	GAGGCAATGGTGTCATCCATCTCCGACAGTCGGTCTTCAGCTTTGGCAATGTTGTCAGTGGTTCGCGGTGGGGTCTGATTTTGATTCTGATCCTGGGATTGGCTCTCTCCCTCATTG	4
wt-119850-119970	5277	GCATGGATTGGCATAGGTGGTGTTGGCTCAGGCTCAGGTTCCGGCCCTGGACGGCAGCAGCCCGGGACGGTGAAGTCGTGGAAGGTAGAGGCCCGTCCCTCCCAGAGTCTGGGGCC	8
wt-119970-120090	5278	GGAGCCTTATAAAAGACTTCACCCTCTCCCGCTGGCAAGACACGCGCTCTGTGGACAGCCCATCTTCCTCCCGCTGATTGTGTGGCTGACGGTGCCGTGTTCCACCGCCATTTGT	4
wt-120090-120210	5279	TCATCGACCATTGGTACCCCTTTATCTTAACCAGCAAGTGCCCTCAGGGTCTCTTGAGAGTATGCCGCTGTGGCAAGCGAGGCCCAAAATTAATAGTATGCCAAAGACTGTAGGTA	4
wt-120210-120330	5280	GGTCATCATCACACGATCGGTGATAAATCATCCGCCACTGACAGGTATCCAGGTCATCCGGCTATCTCAGGGTCCATCCGGCACCATTTCCTGGAAGAGATTCAAGAGGTGCTGATGCTCATG	4
wt-120330-120450	5281	CCGGATAAGGCCTCGACACCAGGCACACTGGCCCTGGGACAGAGGGTACCATTGTCGAAAGTAGAGACTCAGATTGTCCAGCAGGGCCAAAGGCCAAGGGCCCTGGCACCTCCGGGAG	4
wt-120450-120570	5282	GGCCAACCTGAGTGGTGGCCAGGTGAAACAGAGCCCAAGATGCATGTGTACATCGACATGTCTGCGTTCGCGGGAGCCTGCATGACAACCCGGGAGTACACGTAAACAGGAGAAT	4
wt-120570-120690	5283	CTTCTGCAGCACCTCCTCTGCTATGGCGTAGGCCAGCACCATGGGAAACCAATGTCCACATCATTTGACTCTAACTTCACGGTGGCATGCTCTGTCGAAAATACCGGGGGCATAACACT	4
wt-120690-120810	5284	GAGGCTCCCGTCCCATGCCACTGGA AAAAGGGCTGGTACTTGTTCTTAATGGCGTAGTCTGACTTGAACAATCTTGGTGGAGTACAAACTGTCCACGCTAACCTCATCCAGCAGCCG	4
wt-120810-120930	5285	CAGGGTGCAATCAGACAGGTAGTTGTACATGGACACGTAGTCCGGACCGTCTAGAGAGTACACCTGACCCAAGGCCAATCCCTGCACATTCTGCGTCCCGTGGAGTGAAGCCAGGG	4
wt-120930-121050	5286	TAAAGTCAGCCCAATCCTCTGTTGCATCTTGGCAATCTCATCGGTATACAGACGAGGAGAGACACTACCATTCAAATCCATCTTTATGACAATTATCAAAAACCACCTTATT	4
wt-121050-121170	5287	TCCAAACTTAAATTTCTTCTGACCGGCGCCACCTTTCAATTATATAGTGCCGTAATGGATGGGGCGTGGTCTGTTTACAGACATAAACTCATCGATGATGCCCGGGAGGAGGC	4
wt-121170-121290	5288	TGAGAGTCGGGGGAATGCCTCTGCAGAAAGTGCAGGGCTGCTCCAGAACACGTCAGTGCCAGCAATCACTACAACTGCACCTCTGTTGTTGCTGGTGGTGGTGGCCTCCAAGTCTG	4
wt-121290-121410	5289	CTGGCTGTA CTGTTGACCATGTTGATAGAGTCCCGTGTGTTGCCGAGAAAGTCTCCTGTTGTA AAAATGCCCGCAGGGGCTGTAGAGGCCCGGGAGCGCGCTGCGCGATAGGAGGA	4
wt-121410-121530	5290	GTTGTACATGATGTCACCCAGAGA ACCCAGCTGAGATGCCAGGGATTACAGTGTCCGGTATTCTATAGGCCGATCCGGGGCAGAAATGGTATAGATGAGCCCTCGGCCAACCCTCTG	4
wt-121530-121650	5291	ATTGTAGTTTTACAGGAGACCACAGCGGCCCTGGCCCTGGAGAGTTGACATTTTGAAATAAGCCAGCTTGCCCGTGACCGGTGTACGATAATCTCACAGTGGCCTGTGGCC	4
wt-121650-121770	5292	GTGGCAGAGTCTGGAGCTCCATTAACTTAGTATACCTGCCAGGTATGTCCTGGGGTCCCGAAGCAGCGTCCCAATTGCGCTGAGCGCCACCTTGGCCTGATGTAGTACTTACTG	4
wt-121770-121890	5293	CTGGTGGCAAAAGGCCTCGCCGGAAGACGCTAAAGAAGTCTGGTGTGGATACCATGTCAAGTATGATGCGCCACCCTGGCCGGAGTCTGGTGGAGCTATACTAAGCCCGGT	4
wt-121890-122010	5294	GTCCATGGAGGCCATCTCGTGTACCTCAAAGGTTACCCTGTCACCCCTGGCCCTCCCGCGGCTAAACATTGGGGTCCCAATGAACATGGATGTTGAGGCCCTGGAGCTAAACAATAT	4
wt-122010-122130	5295	GTTTTACAGAGAGGATCTCATCGTCTGACACGGTATGCCACCCCTGGTGGATCTTGAGCTTGGCCCTGGGCAATATAGGCCATGGGGGACATCTTGATGTGCATGCGGGCTATCC	4
wt-122130-122250	5296	ACTGATTGAAACGAGGGAAAGGACACTTGGCCCGGTATTTGCCATGGGGCAGCGGCTCCTCCGGTACTCTGCAAAAGAGCTGCCTGCGCGGTTGAAGCTTCCACGGCCCGCTG	4
wt-122250-122370	5297	CTGAGGATTGGCATAAACAAGGTTGCCAACATCCTGGTGATGGTGGCAGCCACTGCGGGTCCCGGTTAAACATATGGAAAAGGAATGGCGTAAAAGACACTGGGTGACGGCCGGGT	4
wt-122370-122490	5298	CCTCTCGGAGAAGGC AAAAGGCCACCAGCCGTTACCAAACAGTCTGCTCTGTCGCTTGTGCGGGGATTGGGGCCAGCTGCTGCGTAACGTATTGTCCACCGACACACGACGGC	4
wt-122490-122610	5299	ACGGGTGAAAGTGGGGCAGGTGATGAATGAGGGCTGAGTCCCTGATCATGCCACGGTGGGGCGGAGGTGGAGATCTCCAGCAGATCCCTGAGCGTCCCAATTCTCAAATTGTCCGAG	4
wt-122610-122730	5300	GATGTCTCGTCCCCTGGTAAAATGGTGGCTGAAGGCTGGCCGTTGTAGGCCAGGGTCTGGGGCACGTGTAAGTCCACCCCGAGGCCACATGTGGGCATTGGTGCAGGTTGGGAG	4
wt-122730-122850	5301	GAAAACGTAGTAAAGATCTTTTCCAGCACATCCGCATGCCCTCATCTACATAAGGGCTAGGTGCAGACGAAAATCGTGGTCTGTGTTCCGTTAACCCGGTAGCCGTACAAGGCCAC	4
wt-122850-122970	5302	AAATTGGGCAGCCATCTCATCCATGTTTCCAACCCTCAATAAACTGGGGCGCGGCCAGGGTGCAGCGTAAACCTCATTTCGATAAATAATCTGGGGGGCCCGTCACTAACGGTGAG	4
wt-122970-123090	5303	AAGATGGGTGAAAATGTCTGTGTAGGCCACCGGGGGAGCAGGTTAGGGTCCAGGAGAGCGCAGACATACTGACCCACGCTCTCATCCCCACAACATCTGACCCGGCCAGGCGCATCAG	4
wt-123090-123210	5304	GGCCTGCTCTAGGGCTATAAGTTCCCATAGATTTTCTATACATGGAATAGGCCCTCTTGAGAGTGGCGTTATTTCCAGGTGGCGGCAGATGAACTTGATCATGAAAAGCTGTTTAC	4
wt-123210-123330	5305	AAAGGCAAGCCTCCCTGACCCTCCAGTAGGTGTGATGCACAGGGACACAAAGGCACGTTTATGACAAAATTTTCCTCAAACCCGGATCATAGCCTCGACTACGTAGAAAGAGGC	4
wt-123330-123450	5306	TGGATAGGCAGTGCATAGGCAGTATCTGCACAGTCTAATAACGGCCTGATCCACCACGTGGGGCAGAGATGGCGGTCTCAAATGCTGCCCCGGGCCCTCTTGAATGCAGCTGG	4
wt-123450-123570	5307	GGCCAGGGAGTCCGCCAGTTACCCACATTAGCCCGTGCACAGCCCTGTCCCTGGCCCTCTCCCGGCATCCCTGCCAATGTAATAATCAATAAGGGGGTGCAGTCCAGCCCGCAGCAG	4
wt-123570-123690	5308	GTCATAATTGGACGGTGGAGGAAGTCTTCGGTGGGCAGCCCGACTTGAGAGCTATATCTGTCAAGGGGGTGCATACCTGTTATATAGAACTCGTCCACAATAACAAGCACATTCTAT	4
wt-123810-123930	5310	GAGAGCATCTGTAGGTAAACCGGAGGAGAAGTTATTCTGTTTACGATCCATGCCTCCACGGTAGCTGCTGTGTTGGGGTGTCCAGCATTTGATGGCGGGGAGGCTCGTACTT	4
wt-123930-124050	5311	GGGATTGGGCATAAAACAGGCCCACTGGGAAAATAGTAGCTGTACTGCATTCTTCTGTTGAGGGGATGGGGACTGAGTGTACATTTGATACATCTTTTGACAGGCTTTCCACGGCCACCGGGT	4
wt-124170-124290	5313	AGCCATGAAATGCTCAAACGTACGCATACGCGCCCTAGCTCACGGCAGTGACAGGTTCTCCCCCGTACCACAAAAGAAGCATAGCTCGAGGGCCCAATAATCTGGTGTGCAGCCCTC	4
wt-124290-124410	5314	CTCACCCAGGAAGGTC AAGAGCTGGCGCAGAAGCTTGTTCGGTGCATAAACAACCCCCCACTGGCTCCTCCCGGTCGTAAGTACTGACCCCTTGAAGCTTACAGCAGCTCTCCCC	4
wt-124410-124530	5315	GGACACGGCCGCTACCATCTCAGAGAGAGCGGCTTCGCACGTA CTGAGAAAACCCCGAGCCCATGTTCTCGGCCGGTCCAGGAAGAAGGAGTGTCCAGCAGATGCCTTTGAAACATGGC	4
wt-124530-124650	5316	AATGAGGTCTGAGACTTGGAGTCTTGGAGAACCCTCTCAGTGAAGGTGGATCCGCCAGGCTGTGACAGATAAAGCATGGGAGGGGATGGCGAAGCTTCACTCAGGACGGTGTAAAT	4
wt-124650-124770	5317	GAGGCCCTCTCCAGGGCATCGACCCCAACTGTAGGGCCGAGGGCACGGCTTTGACAGCCCCACGTA CTCTGCGTA CTGACCGGGGTCTCGGGGATACTATGACAGGATCTCCAGATC	4
wt-124770-124890	5318	CAGCATGGACAGTTCATTTCCGTACTAATGTGGTGGTGTGGCAATTTTGTACCACAATGAATGTCCGCTGTGCTGGGTCTCCTTCCGTCCCCTGAGCAATGGTGGGGAGCGGAGAT	4
wt-124890-125010	5319	TCGAAATGAACTTGCCTAGCTACGACTCAGTGTCTTGAATTCGGTGTTCACACGACGCGGCTGCGCTCCAGGAAGCGAACAATTGGATGGCGTTCGATGGCTTACAGCCCC	4
wt-125010-125130	5320	GAGTAGCACTCAAACCTTGTGCCGCTCCTGGCCTCCTGGCCTTCTGCCACACGAGCTCAAAGCTATGAACAACCCCTCAGCCCGTACTGCGCCAGGTTTCGAGAGCAGTTCGCGATCCAC	4
wt-125130-125250	5321	CGTCAGATAGGGGAAGGCTGTTTTCCACACCTCATTTAGGGCCATGACACAAGGTAAGAGGAGATGGGGGAGGTTCTCGAGGGCTTCTTCCACAGCTGGTCTTTTACGCCCT	4
wt-125250-125370	5322	GGCCTGCAACCAGCCACCACACTTCCCGAGGATGCTACCTTCTAAATCAATGGTGGACACGGCCCTGGGCAGGGAGGCCACCTTTTACCGGTGTGCGGCTATGCTGGCTCT	4

wt-125370-125490	5323	ACTCGGGCTTATCGGAATGAATGACTGCCAGGAGCTGCCACCCGGTTTAATAAATCTGAGTCGGGGCACCGTCCCTGGCCCCCTTGGAGTCCAGAGTCTGGAGCATACTGCGAAAT	4
wt-125490-125610	5324	ATGGTCCTCTGCCACCCTGACCACGCTGCCACCCTCCCGGTGCCAGGTCATCATATACACCGACTGCCGGGTTCCATAAACACGAGCTCAATGTTTCGCCCTTATCATCCGCTACTT	4
wt-125610-125730	5325	GTCTCATACCAATTTGAGCGCTGCTTCGAGCAGTTCTGCCGCGTGGTCCCGCTCGCTTCTAGGGACCTGTAAGCGAAACTCTGCAAAGATGCTGGCTCATCTGAATCAGGTTACCAG	4
wt-125730-125850	5326	GATCCCCCCTGTCCGCCCTTCCAGCGGGGGGAGGCCAGACTCAAGTTCACACTTCTTCTCCCTGGAGCACATTCATGCTGTATGCCAAACAATGCCACACTCCGGGAGATCAGGACGAG	4
wt-125850-125970	5327	GGCCGCCACCAACCTCACCACCACCACATAGTGGATACTGTACCACGCTCTCCGACAGCCCAATTTGACACGCAGCGGTGCTCTATACCGCTTCGTACCTGTTGCAACTG	4
wt-125970-126090	5328	CACCTGCCAAATATCTCCATCCAGCAGTGAAGCCGGGACAGACGGGGGACCTGGAGATCATTTACAGATTAACGGCGGAGGAGGCCCGGAGCTCCAGTTCCCTCCCTCCC	4
wt-126090-126210	5329	AACTGGCTCCCTATTGCGATCATAGTTGCTCGCTCCCTGCTCCGGAGTGTCCGTGGGCCACCAAGCTGTCTCCGCTGCGGTCCAGAAGCCAGGGAGGCCAGCGATTCAGGTC	4
wt-126210-126330	5330	GGGCCCGGACCCGGCCGGAGACTGGTGGCCCTCTGCGAAGGGAAGATGGGGCACCTAAAGACCCCTCTGGGACCGTTTGGACACCCCGGGGGCCCGGCCGCAAGAGCGAAGA	8
wt-126330-126450	5331	CGAGGAGTCTGAGCGTCGAGACGCCCTCCACCCCGCTCGATTCCAGCTTCCAAGCTTCCCGGTTGGTGCCCGTGGGGCTGGGTTTCGCCCTGCTGTTCAACACCAATCGGGTGAT	4
wt-126450-126570	5332	CAACACTAAATTTGGTGTGCTCAGAGCCCTGGTGAAGATGCGAGTTTGCATATGCCCCCGCTCATCAACAATTTGTAGCCCGCAAGTACGTGGTGAAGAGACGGCGTTACCCGTCAG	4
wt-126570-126690	5333	TCTATTCTTACGACGGGGTGGGGCAACCTAGCCATCAATGTCAATATCAGTGGCACCTATCTGAGCTTCTATTGGCCATGACGCTCACTGCGGTCTTCTGCTGTTGGAGGCTAT	4
wt-126690-126810	5334	TTATCCCGCGCCGTGTCAAACCTGGAACCTCGACTAGACTCCGCTCCATGGGCTGAAATCAGAGCCTAGTACAGAGAACCGAAGCGGGTCTTTTGGACTACCAACTTTCCCTCGGTGTG	4
wt-126810-126930	5335	GTCTGCCGGGACGGTCTCAACGTGTCTGGTTAAGGCCGCACTGCCACCATATCTCGAGTGCACGGGACAGACTGGAGCAGCACCTGATCCGTGAAATCACCCCATCGTACGCA	4
wt-126930-127050	5336	TCGAGAGGCAAAATCTCCCGGATTA AAAACCGGCTCTTACCCTGCTAGAGCTACGCAATCGGAGTCAAGTTCAGTGCACAAGCGTTTCTGGAAGGCTGCTAGACTGCGGCTC	4
wt-127050-127170	5337	CCTCTGCGCCTGGATCCAGCTGTATCAACCAGATCGCTCCGAGGGCTGTGTTGATTCTCCAAGAGAAGCATCGCCCACTCAAAAACCGACACGAGTGCAGCTTCTGGTCCACAG	4
wt-127170-127290	5338	ACATTCGGCGAACGTGACAAAGCTGGTGGTAAACGAGCGCAAGACCCCGCTGGACATACTGGCCGTAACGCTAACTTTTAAACGAGGTGTAAGCATCAGGTTAATTAAGACAGTCAAC	4
wt-127290-127410	5339	TATTTTCCCTGACCCCTCGAGGCACATCCCGGACGCTCGGGCCCTGGCCCGTCTCCGTA AAAACGAGAGATTACCTTCTCCTGGCCCACTGCGCAAAAAGACAGCCCATCCACTG	4
wt-127410-127530	5340	CCGTGATGCTCAAGTGAAGCAGCCCGGGCCCGCTTATTACGGGGCCGTGCACCTGCCATCGGACAGATTGCTTCCACACCATCCACAGCCCACTCTTGCCTCGGCGCTGGGAC	4
wt-127530-127650	5341	TGCCTGGGAAAATGTACCCATCCCGCCCTTCCGTCGCTCGGGCCTCAACGTCGTGAGAGCCTACCCATGACCAACATGAGGGCACCGATCATCTGCTGGCTCGCTCATCTCGG	4
wt-127650-127770	5342	CCCCAACCCCTATATCTAGAGGGACAGCTGACGGTGGGCATGACACAGGACAACGGCATTCCCGTGCCTTTTGGCCAGGCTGTCATTGAGGTA AAAAGCGGGCTGAGTCCACATTA	4
wt-127770-127890	5343	AAGCCTCTCGCAACTATGATAGCAGAAGACTCCTGCCTGAATCAGATCGCCCTTTTCCGCATCAGAGCACCCCGCTTCTCCATGGTTGAGTCCGTA AAAAGAGTCCGGTCCGATG	4
wt-127890-128010	5344	AGGGAGCAAAACCCGGCGACCATCCGGGATATTCTGGAGATCCCTGAGACTGTCTCCCAAGTCCATCCCAAGTCCATCCCAAGTCCGTA AAAAGGACCCGGAGCCGCTCCACTC	4
wt-128010-128130	5345	CGGAGCCCAAGCCACTTTCATGCCACCCCTATGCCCGCATCTTTTACGACATCGGGCGACAGGTGCCAAGTGGGCAATGCCCCCGCGCAGGTGAGCAACGTGCTCATCGCCA	8
wt-128130-128250	5346	ACCGTCCCACAACCTCTAAGGCTGGTCCCAATCCGACTTGTGCCTCTCCAGCATTGTACCTCAAGCACGTAGTGTAAAGAGTCTGAATCTGGAGAATATAGTGCAGGACTTTG	4
wt-128250-128370	5347	AGGCCATCTCACCTCCCGCTGTATACCATCAGTGAAGGTGAAACCAAGGCCCTTGGAGAGTGGTGGAGCAAGCCAAAACACCCGTAGAGAACATAGTCTTTGCTCAACAGCATCT	4
wt-128370-128490	5348	GTTCCACCTCTACACTCCAGATGCTGCTCCCGATGTCAATAACCAAAACATTAGCCTGGCTTAGAGAAGTATTTCTCATGTTCCCTCCCTCAGGCACCATATGAGAAATGTCAGAT	4
wt-128490-128610	5349	TCGCCACCCCATCGTCGGCTTGTGCCAAGGGCTGAGCTGGCACCATGGCACAGTTTCTAGGAAAGTACATCAAGGTCAAGAAGGAAACTGGAATGTACAGGCTGTCGAAGCTTT	4
wt-128610-128730	5350	ATTACCTGCTGCGCATCTAAAGGAAAACATAACAATCTTGTGAACCAAGAAAGTACCCAGCAAAAAGCAATAAAGTACAGGATTATTGCCAAAACCAACGCTGTCTTTCTTACATA	4
wt-128730-128850	5351	GGCCCGCAATTTCCATGACAGTCCCGTGGTGGTGCAGCAGAGATGTAACGCTGGAGGTTGTCAAAATCAAAGTAGTTGGAGCTCAAGATGGAGTTTGGACTTCTGGGAGGTGATGT	4
wt-128850-128970	5352	AGGTTGTAGTTCCAGGCCTCCTTTTATCATAACTGAGCAGGGCAAAGCCAAAACATGCAGGATTCTGCGCTCGTGA AAAATCTGGATCTTGGAAATCTGGCGGGCTCCCCAG	4
wt-128970-129090	5353	CCACAGCACCCCTGCCAACAATTATTCTATAACGGGGGAGAGAAAGAGAGAGTGTGAGATAGGTGGTGTGGCCCTCGTATAGCCCGGAGCCTCGGACCTCACGGTCACTAGAGATTA	4
wt-129090-129210	5354	TGAATGTACATTGATGAGCGGGATAATCATCAGAACTTTGTGAGCCTGTCCACGCAATTTGAGCCGGGAGATGCCACGCATCCCTGTCTCTCGCTCAAAGAGAGCCGCCAAGAA	4
wt-129210-129330	5355	ACCCATCCACAGCATTTGAAACGCCCGCTGGTCCAGCCTTGCCTCTGGGGGGCCATGCTCAGCAGCTTGTCTCGTGTAGGTTCAAATCGTAGGCTGAGGTAGCACGGTGAGAAGAGCC	4
wt-129330-129450	5356	CGCTCTGTCCCCAGGGCTAGCCCCGCAAAACCTCCCAATCTCTAGGGCCGAGCACAGGGCGGTGGACAGCAGTTGGTATAGGGCAAGGTTGGGCCCTGGGTAGTCAGGTTACAGCC	4
wt-129450-129570	5357	GCAACTCGGATGACACCAGTGGCTGCCGATAAACAGGGTCTCTCTCATCAGGATGACAGGGGCTGAAAAGGGGGTGGCGGTTGATAGGCCGAGAGAACACAGATGGGGCCCTCCAA	4
wt-129570-129690	5358	TGAGGCCACTGTAACCCCGGCTTGGGGTAGCCGACGGTGGCTAACCTCAGCGCTACTCCTGTTTCTCAGTAGTCAGGTGACCCAGCTCCTCCATCTTGACCTGGCCATCAGCATGG	4
wt-129690-129810	5359	CGGCCAAGCGCTCCAGCCGATGATGATGCCCTTGCAGTGGCCCAATAACATATGCCGATGATGCTTTTCCAGGACAGTCACTCAAAAGAGCTTGGCCAACCCAGCGGAGGTCCA	4
wt-129810-129930	5360	CGCAGCCATTGCCAGTCTACCCACAGCATGACCCACCTTAAAGAAGGCCACAGAAAACCTCAAACATGGTAGTCAGCGTTTCCGTGTCCAGTTCCGGCTCCGGCAGCCCTCCCTCATCT	4
wt-129930-130050	5361	CCAGCAGGACAGTTTCTGGAGAACGTAGCAGCGTAGCTGGCGGCTGTATGGTACGGCTCGGAAAACATATCCTTCAGGTTGGGTACAAAGTAGTTGTGAAAGTTGGCATAATGCA	4
wt-130050-130170	5362	CAAAGGTTGTAACAATACCAGGGAATAGTCCCGCTTTGGGCACTGGTTAAGGATGGTAACTAAAAGGCCCCCTCAGATCCCGCAGGTCTTCTGCTTGGCAAAGACCAGGCTCAACA	4
wt-130170-130290	5363	CATGCTCATCTCCCTTCTCGGTCACTCGTTGTAGGTGCCCATCAGAAATTTAGAAGTCATGGCCCGGTGTAAGTAACTGTCACGTTGTCACGTTGATGGACAGGGCCACATAAGACAAGTAC	4
wt-130290-130410	5364	AGCGCAGCTGATAAAAGACATAGCTGTGTGGCCCGTGTGGGACGATGGTGCATATAGTGAAGAGCTGCTTCTCAAGGGGGGACTAAGCATGCAGGCAGGGGAATTCAGGCCG	4
wt-130410-130530	5365	TAATGACTCCGGGATGGACCTTAGATCCTACCTATGCATGATCCTTACAGAGACAGCAGGATATCGACAGGCTCGGCCAGCGCAATCCAAGGGTACCAGACGCTTTGTAATAATACT	4
wt-130530-130650	5366	TGTAGCGTTAAGCATAGACGCCAAATCTCGGTGACATTTGCCCTCTCTCCACAGCCCTCTGGGCTAAGGCCCTGGGACCTTTGCCATCAGTTCGGTCCATGGGATGGTGAATGCGAAG	4
wt-130650-130770	5367	CATGCCCTCTATGTCCAGGTGCAGCTTAACCTCGCTGAGGCTGGCAGCCCACTCCCATAGCAACACCAGGCAAAAACACAGAGCAACTGCATCTAGTCCCGATTTCCCTCTCA	4
wt-130770-130890	5368	AAATCAGAGATCACCTTGTCTCAGACCAGCCAAATCGAAAACCTGAGATCGATTGCCGGATTCTCAATGCCTGCATGTAATCTCCGTCCAGCATCCAGGTAATCGTCTGAAACTCT	4
wt-130890-131010	5369	GAGAGGTCACAAGCACAAACTGAAGGTAGGCTAGCGTTCCGGGTGAACGCAAGCAAACTCCAACAACACCCCGCTCGGCTCGGAAAGGCTGTATGACTTCTTAAAGTACACTAAAGATG	4
wt-131010-131130	5370	CTGTTCTTATACGCTTCTCGGCCACCACTTCAATATGGGCTGTGGCTTTGATGACATCTGCTGATTTGTTGATAGCCGGGCATACCTCACAATGTCTCGGGGCAAAA	4
wt-131130-131250	5371	TACTGTGTTAGGACCCAGGCACAGTAAACCGCGTATATGCATCGTTGACACTCTCAGGTAGCAGCATCCAGTCTGACTCATGTTTCTCCCTCGCTTCTCAGGCGCGCATGTTC	4
wt-131250-131370	5372	TCCTCACGTTAAACTTTCATCCAGACTATGGTGTCCCCCGGCTGCGGTAACGTTGCCAAAACCTGAATAAAGTCACTATAGGAGAGAAGCTGGCTCCGGAGCAGCATTAGAGGGAAA	4
wt-131370-131490	5373	ACCACGGAGGCCGACAGCAAAATGGCGATCATGCAAAATCCAACAATCCAGGGGCGGACTGACCTGGCACCAGACTCGGTAACCCAGCAAGCTCCGCTTCTAGAGGCCAAGACTCTGAAA	4

wt-131490-131610	5374	GGGGTGGTAAATTTTCATCTGGCATGCTAAAACCTCAGCCGACGTGCTTCCCTTCCATGCCTCGCCGAGTCACATTCTTGTGCATGGCCTTAATGGCATTTCATACATGAGTCCAG	4
wt-131610-131730	5375	TACCGCATCGGTCAGGGACTACAATGTCAGGTCGCCAAAGACAGCCTCAAAATGATTAGCATAGTAGTCTTCCACACCAGGGGCACCTTCCAAAAATAGGGAAACAGGCAGGTTTG	4
wt-131730-131850	5376	ATTACTGGTACATGATTGTTAGGTGGGCACAAATGGAAACCCGCATGCTCTCCTCTCTGAGCCTTGGCCTGGCGGGTGTCTTGGGCATCATTCCAGATTGAAACATTTCACACTC	4
wt-131850-131970	5377	CCACTTAGCCGCTCAGCTGGGCAGCATGCTTGGATAACTTACTAAACTCGGCCATGGGCGGCCAGGTGTTCAAAGACACGAAAGGCTTACCTTGCCACCATTCTTTGTTTTAAAC	4
wt-131970-132090	5378	GCGGAATGAGAAGAGGGCCTGCGGAAATAGACTCATCTCAGACTCAGATCAGATTTGTCTCATGAGCCAAAGCCGGCCAGGCCCTCTCAAAGCCTTCTGTACATGAAGCTCCGG	4
wt-132090-132210	5379	CTCGTGGAGTCGCGACCTCTCTGTGCACAAATTTTGGGAAACCCAGGAGAGGGGTGTCGGCTCTTGTGGGCCACTCCGGCTACGGGTCTGGGGTAGGGCCAGTAGGCTTT	4
wt-132210-132330	5380	TGGTGTGCGGGTCTGGTGGCTGCCCTCCTCCCGGAGGTTAAAGGCGCCATGAGCAACACCGGACACCCGCAAAGCGTACTCGAAAGGCACAGAGGCTAGAGGTCGGCCAGGCCACC	8
wt-132330-132450	5381	CTCTCCCCAGACAGTCCGGTCGGAGCCATCAAGGGGGGCGAGTGGTGGGACCTGGTAGAGCCGTCGTATCTTCTCACCTGCCCTGAGTCACTACCCGTTGGGGTAAGAAGTGG	4
wt-132450-132570	5382	GGGGCAAATGTCATCAATCTCAGCGTAAAGTTTTCTGTCTTTGTTTTCTAGGGGACTCATCCTCTGACATTTTCGCCAGCCGCCGGGGCGGCCGCTCTTCTCGAAATCCAGCC	4
wt-132570-132690	5383	ATGGATCCACCCGGGCTGTGTGCCCTCTCCACACACGACTGGCAAAATTTTACAGTCTTCCCGGCTAGAAAGGCGGAGGTAAAGGAGGCGACCTCGGTTTACTCCAAAGCTG	4
wt-132690-132810	5384	CTCTCTTAAAGAGCTGGGAGCACTGGCCCTTTTTGTCTGTCGCCCGGGACCCAGTTCACAGCTTTAGACTATTTTGAAGTCACTCGGTCGGGACGAGTTCAGATTGCGTT	4
wt-132810-132930	5385	TGGTGTGCTGACGCCCTTATCCCGGTTTATTTGATGATAAATTAAGGCGCCATGAGCAACACCGGCAACCCGCAAAGCGTACTCGAAAGGCACAGAGGCTAGAGGTCAGGCCAGCC	4
wt-132930-133050	5386	TTGTGTGACTGTGCCAATTTTCTTCGACGTCCTGCCCCCGCTGTGGGCGAGTCAGGCCCTGGAAGTCTTGGCGGCTGGTATTTAAAACCAGCGATCCCTGAGAACCCTCCAGGTA	4
wt-133050-133170	5387	GAGTTTCCAGCCCTGGGCCAAAGACCCTCCCACCTCCACCACCGGCGTCTGTAACCTCTCTCCGCTGGCAGGATGGCGCTCTCCGGCCAGTCTTGTATAGACCCCGCCGACTGCC	8
wt-133170-133290	5388	CAGGGACACAGCCCGAAACTCATGTGGGCCAAAGCCTTCGCAACTCACTGCGCGTGTGCCCGAAAGCGTCGAGCTGACAGAGCGGGAGGCCAAAGGGCCAGGTCGGAGCGTGCCA	8
wt-133290-133410	5389	CAGGTGTGCCAGGTGCTCAAAAATAGGCTGCTCCGCGTGGAGCTGGACGGCATCATCGTGACCACCTGGCCAGGGCGGAGGAGATCCGCCAGGACCTGGATGCTGTAGTGCCCTTCTC	4
wt-133410-133530	5390	TGATGGCCTGGAGAGCATGCAAGTCAAGTCCGCCCTCCACGGGAGGGGCTCTGCGCCAGCCCGCCCTCCCATCCCCAGCCAGCCGCTCACTCGGTCACCGGAAACGCCAGTAGTC	8
wt-133530-133650	5391	AGTCTCAATCTCTCCACGACCCCTCTGATGGTGGCCGCGAGCCCTGGCTCAAACGCTGCTTGGTAACTGTACGGGAACATCAACAGTGGGTACCCTCCTCGAACCTGGTACAG	4
wt-133650-133770	5392	GACCATGTGGCTAATGCCATGACGCGGGGCTGTTCCCTAACGAGCTGAGGGGAACCTGAAGTTTACCAACTCCGCTCCCTAAAGCTGATGACAGAAGTGGTGGCGGTGTGAGGG	4
wt-133770-133890	5393	CACCACCAGGACTTTTTTCTCAGACGTCAGGCACCTGCCAGACCTCCAGGCTGCCCTGATCCTCTCGTGGCTACCTGCTACTCCAGGGGGCTCCTCACACCAGCAGCGCCCTCC	8
wt-133890-134010	5394	TGCCTCACGGGAAGAGCTGCTGGAGCTGGCCCCGAGAGCTAGAGAAATCATCGCCGACCTCAAGGCCAAGTCAACCAGGCGGAAATTTATGATTTTAAACAGGCAAAAGGAAGC	4
wt-134010-134130	5395	GGCCAGTCAATAGCCCTCTCAACCGACAGGGCGGATATCCACCGGACATTCGCGGACAATAAAGTTTACAACTGTGGTGGAGCCGGACTAGCCACGACCGCGCTGAA	4
wt-134130-134250	5396	CGTGCCGGGGGCGCGGTCTGGGACCCGGACCTGGTGTACCGATCGCAAACAGATCTTTGGGAGGATGTGCCCCCTTCTCATCTACCAAGCTGGAACCTGCGCGTAGGTTAGCCG	8
wt-134250-134370	5397	ACTCGAGGCCCTGATGCTGCTACAGCTCTCGAGACCCCAACTGGCCAGGGCGCCACCCGGCTACACCTATCGTCCCTGCTCCCCAGGCAATGCAGCGCGCAAGCCTGC	8
wt-134370-134490	5398	CATGGCGTCAGCTGATGATCGCGGCGCCTATCCAGTCCAGACGCTTTTCCGCCAGGGGAGCTTCCCGCTCATCTGGGCCACTACGTCAGGCCACCGGTGGCGGAGACCCCAAGG	8
wt-134490-134610	5399	CTCCATCAGCTCTTTTTCCCGGGGCTGGTTTTGCTGGCCTGGAGCTGAAGTTGATGGATGGGCGAGCTCCCTCCATTAGCCATAAACTGACCCGACAAAGTTTGAACCCCTT	4
wt-134610-134730	5400	TGAGATTATCAACCAGAAAGCTTTTATTTACAGACCCGGCTGCCATGCTGGCGGGCGACACAGCTGGCTAGCCTCGAGGACGGGCGTGGTGTGCCCTGGGGCCCTCCGCCAT	4
wt-134730-134850	5401	GCTTGCGGCGCGGAGATCCTGGAGCCTCAGTTCTACCGCTCGGATGACTACGACCGGGTGTACTTCTGACGCTGGGCTACCTGGCTCCCGGTGGCCCAAGCTGAGCCAGTCTCCTC	8
wt-134850-134970	5402	GCACTGGAGTGGGTATTGGCAAAAAGTAATAAACTCATGCGACGGGGTTTTGCTCCTTCTGCTCTTGGTTTGGGTAGGGGAGTAAAGCCGTGCCAGGCCGACCTGCTCAGGGC	4
wt-134970-135090	5403	CACGGCGTGCCAGAGGCCCTGTAGTCGTGCGCATCCGAGAGGATGGCAGCGTCCAGAAAGAGATAGCCGGCCAGGCAGAGGAAGGCCAAAGAGGGGGGGAAGCGGTGCCGAACCCG	8
wt-135090-135210	5404	GGTTCATGCTCGTCTGACCCAGTGACAAGGAGTAGAGGACACCCACCAGCGGTTAGGGAGGACTGCCAAAGTTGAAGAGCAGATTTCCGTACGCCAGGGTGACTGGCT	4
wt-135210-135330	5405	CAGTCCGGCGCCTGCGCAGTCCAAGCTGCCACACACATGCAGACCGCCCTGTGACATCAGGCCGTCATGCAAAAACAGACAAGAGACCGTGAGCGTTACCGGGCCGAG	4
wt-135330-135450	5406	GGCCTGCGGGGAAGCCACCAGGCGCCGGTAAAGCAGGTACCAAGTATTACCGGACCTTGGTGCCAACACACAGTATCGTGGTCTTCCAGTATTTATCACGGCTCCCG	4
wt-135450-135570	5407	CCACAGGTAAGTAAACCTTAGGGTCAGCAGCTGGTCAGGGATAGTGGCAAAAACCTGAGCTCGCTCGCGCAGAGCGCAAGCGGCCAGTCTTTAGCATCTTCCAGGAGGACCC	4
wt-135570-135690	5408	GTGAATCCAGGTGTACTTCCGGCCTCATCCCGGCGACCCCGAGTCCATTAAACATAGCGGGACAATGGTGACGGCACCTGTGTATACGCTCGCGGCTCGTGGAGCGCCCGGAGCG	4
wt-135690-135810	5409	CCCACCAAGGAGCCTGCTTCACTGGATCCCTCACCTCAAGAGCCAGCTCCCTGAAAGAAGCCCTGGCACTCAGCGTGGAAACCTGCCGGATGCTCCGTCGGCTCAGTCTT	4
wt-135810-135930	5410	TGGCTTTACCAGAGCCGAGCGGGTCTTTAGCGCAGCCTCGATTAACCTGCGGGCTGCTGCTGCTGGACTCAATTTACCACGATTGCGATATTGACAGAGTCCAGCGCTGCC	4
wt-135930-136050	5411	CCTCCCTCAGAAACCAAGGTTGAGGCTGTCACGCGCTGGCTCCCTCACTGTCAGTGGCTCCCTCCACCCAGACATACCCCAAACCCAGCAGAGTGGAGGAAGCTGCTCTTTTGA	4
wt-136050-136170	5412	CCACGTGCTACTGTGCCCTGGTGTGGTGGGTCGCGCGCGCACCCAGCGAGTACGGTACAGACCTTGCCTGGGTCCTGAAGCACTTTAGTACCTGGAACCGTCTATCGCCGCCAGATTGA	4
wt-136170-136290	5413	GAATGACGCCAATGCCGAAAAGCGTGAATCCGGATGCCGGAAGACCACCCTGCGCCCTCAGAAAGCTCATAGTAAAGCAATCGATGCTGGATTTGAGAAAACGGTGGAGACTCT	4
wt-136290-136410	5414	GAGGACAGGAGGGGTGTGGCCAATATCCAGCGGAGTCGATTTAAAGGCCAGCAGCGCCGGAGCTCAAAAAGCGGCAAGGCACTTACAGGCCACCACCGGCTCCACAGACCC	4
wt-136410-136530	5415	AGCCACCATGCTATCAGGTAACGCAGGAGAAAGGAGCAACAGCCTGCGGAGTTTGGCCGGCGCGGGCCAGGACCTCATCAGCGTCCCCGCAACACTTTATGACACTGTCCAGACCA	4
wt-136530-136650	5416	CCTGGACAACAACCGCCGAGGACACCCCGTACCTACCGCGCCCGCTGCCCCCTTTCCACAGCAATAGCCACCAGCGCCTTCTACGGTCTGGGGCGGAGCGGTCCGCCC	8
wt-136650-136770	5417	GGCCGGCGGCTACTTTACCTCCACAGGAGTACTACCGGGGCCCGGGCCAGCCGGTGGCTTTGGCGATGGACGCTCACACCTACCACCCCAACCCACACCCCTCCGCG	8
wt-136770-136890	5418	CTACTTGGCTTGCAGGGCCTTTGGCCCCCTCCACCCGTGCTCCTACTACGGATCCCACTTGGCGGAGACTACGTCGCCGCTCCCTCGCATCAACAAGCGAAAAGAGACCC	4
wt-136890-137010	5419	CGAGGAGGATGAAGAAGCGGGGGCTATTCCCGGGGAGGACGCCACCCCTACTACGCAAGGACATAGCGGGCTCCTCAAGAGTGATGAATGAGTTACAGCACACGCTACAGCCCTGCC	4
wt-137010-137130	5420	CCGGGAGACGCTGCTACGGCCACCCGAGTCCGATACCTGCCCGAGGCGCCCTGTACACCACCTCGGGGCTTACGGATTTAGCCTCATCAAGCTACGAGTTGCCAGATA	4
wt-137130-137250	5421	CGTCCCTATCCGCCCCACCAACTCTCACAGGACCTCAGCGCAGCTCAGCCCGGCGCACACAGCCCGCCGAGGCGCCACGCTGTGGCGGATCCAGCATCCCTGAGCGGG	8
wt-137250-137370	5422	AGCAGCCGGAACTCTGGACCCCGGAGGACCAACCCCTACCCAGCAGCCACCCAGCGGGCCACCAGCCGAAAGAACTGTGACAGCCTCGGTCGGGAGTGCGTCAAGGA	8
wt-137370-137490	5423	GCCACACCCCAAGGCAAGTCTGTGTCAGCCCACTCAAGTCCATTTTTGCGAGGAATTGCTGAATAAACCGGTGGCTTAAAGTAACTTTATTGCGTGTAGTACCTGTCCATT	4
wt-137490-137610	5424	CACAGGGGTATCCAGCCTTGGCCGCTCCCCAGGCCGCCAGCCACCAGCAGGAGATGATAATGATGAGGAGCACCGGACCCACAGCACAAAGTATTAGGAGCAGGGCCAG	4

wt-137610-137730	5425	TGCACCCAGTGGTCTTAGGGGCCAGGGATCGATTGAAAAAGGGCCAGGGTCACTGGCTTATGCGTGGGACGTTTGAAGAACAGGCCCGCTATGGGGCCTGTACTGGTCTTGGTGTG	4
wt-137730-137850	5426	TGGGAGACTAATGTGGTGGGGCTATGGTAGTGGCTGGGATAACAGTAAGATGCATACGCTGAGTGAGGGTCCGGTTGGCATGGTATTGGTCGCTTCTTCCCTGCAGAGTAATTGCAG	4
wt-137850-137970	5427	TGGACCCCGGAGGCCACACTGCAATTTCTCAGTGCACATTGCACGTAGTAACTGCATCGCAAGGGTACATTGGGGATTATCAGAGAGACGGAGGTGGTGGAGTCATTTACCCAT	4
wt-137970-138090	5428	TCTAGGGTAAGGCTATAATTGTAACCCCGTGTAGTTATATAGTTCCTGTTGGAAAGTAGCTACGGCCAGGGGAGTTGCCATCCCCCGGGAGTGTATCCCCGGCCAACTCGATCCGA	4
wt-138090-138210	5429	GAGACCGACTCATTGCTAGGAACGCTGCAGGTGAGATTCACTCTAGCACCTGCATGGGCGGTGACATTTCAAATTAACAGATCTGAGAAAAATGCACAAACAGACCCACACAGCAG	4
wt-138210-138330	5430	CACAATAGAAGCAATAAGTCAATTCCTAACTCAGTTTAAACTCCCTGCTTCAGGCCATAATGTGGTGGGTGTGCTTTAGGATCACTTTTATATTTGCAACAACAGCC	4
wt-138330-138450	5431	ATACCCGGAAGAGGAGCTGCCCATTGTCATTTTTCAAGCTGCTAAGCCAGCACTGGGAGTGGCCAGTCCCTCAGCAACATGGAGACCTCGAAGGGAACTGGCAGGAGCAGGGA	4
wt-138450-138570	5432	GTCACGTAGGCACTAGCCTCTTCATGTGAGGTAAAGATCGCTAAAAATGGGATCAGGGTATGTAACCCAGTTTTTCGGGGGATGGTGGCCAGACACGGCGGGTGGGGGAAGGAGCTG	4
wt-138570-138690	5433	ACACGATTGAGTAGAAAGGGCCAAAAATACACAGCTATAAGGAATTGCTCAGGCCAAAGTTGTTCTCAGGTGGCTTAGGCCAATGTAGGCAATTGCGTGCCTAGAACATTGCTAAT	4
wt-138690-138810	5434	GTGCCCTGGGTTTCTGCCTCATGCAAAATATTCTACCTCCCCGGCTGGTGCAAAATGTCTGCCTCAGAATACTAACAGTAATCCAAGTAAACATTCTATCAGTAAACGGGCAGAAA	4
wt-138810-138930	5435	ACTGATAAGGACCGGAGTTGGCCCTCCGCGTGTCCGGTGGCTCACACGTCCCTCCCCCGGGCCGATGGCTGAGGCCGGAATATGCAAGTGCATTTTAAACAGTAGGGG	4
wt-138930-139050	5436	CCTCCACCTAGGTGCTTTGTTAATCTTTAGTGGGAACTAGTGGGAGTGCCTGCGCTGCGGACCCCTAAGCCATGCTTGAATGCTACCGGAGCTCCTTGTGTAATCCCTGTAAACACACA	4
wt-139050-139170	5437	CCACCTAAGAACAAGGCATTGTTAACCTTTGGTGAACCTAGTGTAGTGTGCTGTAATAAGTGTCCAGCCAGCCACTAGTACCAGGTGTACCAGGAGGCTACTGCTCAGTGC	4
wt-139170-139290	5438	CACITTTACCTTCTCAAATCTATACGGGGGGGGGGGGGCTCTGTAACATTTGGTGGGACCTGATGCTGCTGGTGTGCTGTAATAAGTGCCTAGCACATCAGTAGCCACAGGTGCA	4
wt-139290-139410	5439	CCAGGGCTACTTGCCTCGGCATCTCCTCACCAGGAGAAGGGGTTAAACAACCCGTGGGGGGTCTTAGTGGAAAGTGACGTGCTGTAATACAGTCCATAGCACCGCTATCCACTATGTCTC	4
wt-139410-139530	5440	GCCGGGCTATATGTCGCTTACCTCCCTATATAGTACGACCCACCGAACCAGGCATGATGAGAATAAAATTTATGCATCATCTTAACTGTGCCGTTGGAGGGAACATGA	4
wt-139530-139650	5441	CCACCTGAAGTCTGTTAACCAAGTCAAGTGGTTTTGTTTCTTATAGAGACACAAGGACTGCCAGCCCATGGGAGGGGGGTGGGTACGGGAGAGTTTGGCTGTTTTAAACAAAGT	4
wt-139650-139770	5442	CTCATCTGATGCTGTGGCACCTCAAGGTGAATATAGTCCCATCGAGTATCGTGGAAACCGGTGGGCGCTGTTACCTAAAGTACGCAAGGTCTGTAGCCGCCAGGGTCCGT	4
wt-139770-139890	5443	TTACCAGGCTTTCAGGTGTGGAATTTAGATAGAGTGGGTGTGCTCTGTTAATTACCAAGATCACCCCTCTATCCATATCCACAATTGATAAACTCCGCATGTCCAACAC	4
wt-139890-140010	5444	CACGTTGAACAGGATGTGGCACCTAAGAGGACGAGGCATACAAGGTTATTACCAAGTCCCTGTATGCTGCTGGTGTCCCTTAGTGGGACGACGGCCTAGGTAGCATCATTACACTAAA	4
wt-140010-140130	5445	AGCAGTGACCTTGTGGTACTTTAAGGTTGGTCCAATCCATAGGCTTTTTTGTGAAACCCGGGGATCGGACTAGCCTTAGAGTAACCTCAAGGCCAAGCATTTACACCTGCAAAATGCA	4
wt-140130-140250	5446	CCATGTAAACACAGATCAAACGAAAGTTGCAGCTTTAGATGGCAAGAACTGGGTTACGGCATAGAAGCCTGCCTACTATAGCACCCCAATGTTTGGTCCAGGGTGGGGAAAG	4
wt-140250-140370	5447	GCACGTGCCCTTAGAAAACCTTAGCTGCAAAAATTTCTATTGTGTTGGGAGAGCCTCTATATCTAAAGGCCTTCTCACAATACAAATGTTACTAACGCTGCCCCTGTGGAGACCTGCTAT	4
wt-140370-140490	5448	GTGGCTAGACGTATGGCCTACCCAGACGTTGGGGTCTCGGTTAGGCCATGATTTCCAGGCATAGGTTACAACAGTCACTGCTATCAAGCCTACTCAGTCCCAACGACACATA	4
wt-140490-140610	5449	CCCCCGCTCTCCTGCCATGAGGACTATGGCAGTGTACTGTTCTGCTTTACTCTTGACCAGGCTGTCATTCTATCAGAATAACAGGGGAAGCAAGGCCCCCTGCTTCAGCGGGA	4
wt-140610-140730	5450	CACGTGTTCTAGAATCTCGGAGCAATAACTACCTGCCCTCTAATCTGTATGCTGCATGAAAAACCCATACACAGTGTGTAAGTTTAGCCAGTTATTGTTACACCAATGCCCCGAA	4
wt-140730-140850	5451	AGTCTCCCCTGTCCTTTGGTCTCAGGACCCAGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTCCGCGCTCCGCGCTCCGCGGGGGTGGCCGGTGCAGCC	12
wt-140850-140970	5452	GGGTCCGGGTTCCGGCCCTGGAAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGCGGGGGGTGGCCGGTGCAGCCGGGTTCCGGGTTCCGGCC	12
wt-140970-141090	5453	CTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGCGGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCTCGAGCTCGGGGGCGCG	12
wt-141090-141210	5454	CCGGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGCGGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCGCGGGTGGCCACCGGGT	12
wt-141210-141330	5455	CCGCTGGGTCCGCTGCCCGCTCCGCGGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCC	12
wt-141330-141450	5456	CGTCCGGGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGCGGGGGTGG	12
wt-141450-141570	5457	CCGGCTGCAGCCGGGTTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGCGGGGGGTGGCCGGTGCAGCCGGTCC	12
wt-141570-141690	5458	GGGGTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGCGGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAG	12
wt-141690-141810	5459	CTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGCGGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGT	12
wt-141810-141930	5460	GGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTG	12
wt-141930-142050	5461	GGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCC	12
wt-142050-142170	5462	GGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGCGGGGGGTGGCCGGT	12
wt-142170-142290	5463	GCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGCGGGGGGTGGCCGGTGCAGCCGGTCCGGGTT	12
wt-142290-142410	5464	CCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGCGGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGG	12
wt-142410-142530	5465	GGCGCGCGGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCCA	12
wt-142530-142650	5466	CCGGGTTCCGCTGGGTTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCG	12
wt-142650-142770	5467	CTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGG	12
wt-142770-142890	5468	GGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCC	12
wt-142890-143010	5469	GGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCC	12
wt-143010-143130	5470	CTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGG	12
wt-143130-143250	5471	CCGGGTTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGT	12
wt-143250-143370	5472	CCGCTGGTCCGCTGCCCGCTCCGGCGGGATGGGGTGCCTCCAGCCGACACTGGTCCAGCAGCAGGACCCCGCCAGCCCTCATGGGGGGGAGGCGCCGCGCAAGACGC	12
wt-143370-143490	5473	CGGGCGGCTGGGAGGTGTGACCCCGAGCCTGCAGCAGCCTGGCAGCCGGCCAGCTGCCTTTTTATCCTTTTTGGGGTCTGTGCAATACCTAAGGTTTGTCTCAGG	4
wt-143490-143610	5474	AGTGGGGGGTCTCATTTGTTAATTCAGGTGTGTGATTTAGCCCTGGGTTACATTAAGGTGTGAACAGGTGGTGGTACCTGGAGGTCACTATTGGGATAACGAGAGGAGGA	4
wt-143610-143730	5475	GGGGCTAGAGGCCCGCGAGATTTGGGTAGGGCGAGCCTCAGGAGGGTCCCCTCCATAGGGTTGAACAGGAGGGGGAGGATCGGGCTCCGCCCGATATACCTAGTGGTGGAGCCTAG	8

wt-143730-143850	5476	AGGTAGGTATCCATAGGGTTCCATTATCCTGGAGGTATCCTAAGCTCCGCCCTATATACCAGGTGGTGGAGCTAGGTAGGATTACAGTAGTTCCACTGGGGTACCCCTACCTA	4
wt-143850-143970	5477	CCTTAAGTGCGCCACCCTTCCCTCCGTTTTAATGGTAGAATAACCTATAGGTTAATAACCTAGTGGTGAATAGGGTATTGCAGCTGGGTATATACCTATAGGTATATAGAACCCTA	4
wt-143970-144090	5478	GAGGAAGGAACCCCTATAGTGAATCCCTCCCCCCCCCTACCCCCCTCCCTACGGTTCCTGAGCCCATCCCCACCCAGCACCCCGGGTGGAGTGCACCCCGCTGCCCTACTG	8
wt-144090-144210	5479	ACTTGTCACCTTTGCACATTTGGTACAGTGACCGATGCTCGCCACTTCCTGGGTGCATGACCTGGCCTGTGCCCTGTCCCATGACAAATGTCCCTCAGCGTGTGGCTGCCCTTGGGATG	4
wt-144210-144330	5480	CATCACTTTGAGCCACTAAGCCCCCGTTGCTCGCCTTGCCTGCCATCACCATGACACTAAGCCCCGTCTAATCCATGAGCCCCGCTTTAGGAAGACCCACGTCCCGGGGACGGAAGCT	4
wt-144330-144450	5481	GGATTTGGCCAGTCTCAATTTGGGGAGTGGTTTGTGTGAGCCGGAAGTTGGCAATGGGTGAGGGTGGCCTGGTTAAGCTGACGACCTCCAAGTCTCTACCCTGGGTACACA	4
wt-144450-144570	5482	GGTGGGGCGGCAGCCTCAACTTTGGCTGTGCTATTTCTCCCTTTCTAGCCAGGCCATGTGTCTACTTGCCTCTGCTGGTGGGATGCTGTGCCCTGGGCCA	4
wt-144570-144690	5483	ACCCCGCCTTGGGAGCCTGTAGGGGCCAACCCCTGGTTTGTGTGTTCTGTTGCTGGCAACTTACTGGCAGCCAGCAGATTCTAATGGCGCCCGCTTCTTCTCTTGT	4
wt-144690-144810	5484	TTATTAATAGAATCTCAGCCAGGACCTATACCTGAGACTCAAAGTCTGGTCTGGTCTGAGACCCCAAGATTGTGCATGCACACTGCACACTGTTGGTATTGGGTTCTATTCT	4
wt-144810-144930	5485	TGAGTGTGAAAGTTTGTAAAAAATTCATAAAATGTCACTAATCTCTTACCTTTAGGGTATTGTGCAATCTCAGCTGCCTATTTCAATTTGCCTAAGGTGGCAATTTAAGAT	4
wt-144930-145050	5486	GTGGTTAATTAACCATTTCTGTCTGACACCCTGCATGGCAACCGGGTCCATGGCACAATTTAGAGATAAACATAGATGCTTGTCTGTCTCATGTGCAGAGGAGGGGTGTGGTG	4
wt-145050-145170	5487	TGCAATATAGTTTCGGATTCCAATTTGGCTGTGCTGCTTTTCACTATGAAATTAATTAAGTACTGACATAAGCAGTGGCAGCCGCGCTATATGTTGGGATGCTGTGGCTTGCATT	4
wt-145170-145290	5488	TCCTCTTAGAAGGTAATCCCCCTCTTAACTCCCTTTAAATTTGTATGCAAGCCCTGGTATTATAGAATGATTATCTAGTGTGATAGTCTGAAGGCTGGGCAGAGAATGTTGTA	4
wt-145290-145410	5489	ATTTTTATTACCTTCTTACCCCCAGGATATCCAGTTCTAGAAGATCTCTGATATCCCGGGTGCCTAATTCCTTGAAGTATTAGTCTTCTTAACTTAAGCAAGAGCTCCA	4
wt-145410-145530	5490	GGATGTTAGCTTTTTTGGTGGGGCTGGTGTGCAGGAAGAGTTCAGTGTGTGCCTTATTTTTAGATGTTAGCTTTGTGTAGGTTAGTATGGGCTGGGTATTCACTAGGAAGGCAAC	4
wt-145530-145650	5491	TAACACAGTTAGACGTGCTAGTTGTGCCACTGGTGTATCCGGTCCCAATGTCCACACAGAACACAGGGGGCTGGATTGGCAGCAGCATTGTGCTTTTGTGATTTTTACCGTG	4
wt-145650-145770	5492	TATCAGAGTGGGGATGCTAGCCAATTTAGCTTCCCTCCCTTAAACAGGGGGTCTCGCGGGTGCCTTGTGCCTTCCCTCCCGCTTCCCTTGAACCTATAGCATGATAGGTT	4
wt-145770-145890	5493	AGGTACCTAACGTGGAAGCCTGGTGGGTGATCCTTCTCGTAGGGAGCGCTTAGGGCTTTGAGCTCAACAGCCCCACCTGGTAAAATGATGTTCTAAAGATTACCCAATTATAA	4
wt-145890-146010	5494	CAAAAGCTTTGAGGTAACGAAGACCTGATGGAAGTGGTATTGTGCCGTTGAAAGACGGGTGCTCTGGCTCAAGTTCGCCTTCTATACAGTGTAAAGCCTTGTATCGGAAGTTTG	4
wt-146010-146130	5495	GGCTTCGTCCAGTACTCGATAATGTGCACTGCTCGCAAGGTTTGAGCCGCTTCCAGTAGGTTGGGGTCCCAATCAGCAGGTTAGGCAGGTGCACCTTGGCTTTTAGGAGGG	4
wt-146130-146250	5496	ACCCTTAAGCCAGACAATGATGCCCCCTTTTTTGCAAATTTGGCTTATTATTAATTTCTTGTAACTAATTTCTGTCTATGACCTGTGTTTTAGATGCCGTTGACAGTGTCA	4
wt-146250-146370	5497	CTGAGCTGAATTTGGACGCAGTACTGCTTGGCCCGTGCCTCAGCGCTGATAGGCTGCTGCCCTTGTGTACAGGTTGGCCAAAGCTCCAGAAATATCAATTTGGTGGGGCC	4
wt-146370-146490	5498	TTGGTGGCGTCAATAAGCAGTAGGTTTGGAGTACCTACTTTGACCATGTGGATCCAGTGTCTGATCCTGGACCTTACTATGAAACAATTTAAAAAATGCATCATAGTCCAGTGT	4
wt-146490-146610	5499	CCAGGGACAGTGCACCTCGAAGTCTCATCATCTCCGTTGTGTGTTAGTGTGGCCAGTACGGCCACCCCTGTGCCACGCCCTGGCATGCTGCTGACATCTGCCGCCAATTCAGCGGG	4
wt-146610-146730	5500	CCCTTTCCCGCTTGTTCACCCATAGCAAGAAGGGTAGGTACATGGGTTATTTCCATCAGCACCTGACTGGCCGTTGCAATTAGAGGAGAGGGCAACAACGCAAGGCTGTTGTTTTA	4
wt-146730-146850	5501	TTTGGGTTACAAGAGCTGCGCGGTCGATGGGTTCACTGATTACGGTTCCTAGATTGTACAGATGAACAGTGCACAATCTATGGGTCGTAGACAGTGTGCTTACCAAGCTTCC	4
wt-146850-146970	5502	ATGGAAGATGTAATTTGCTGCTAGCTATATGGTGGTGTCTATGGGCTCCCTAGGACTCATGTAGTGGGCTTTGTATAGCTAATGAATGTGGCAGCTGTTGTTGACTGGACCTG	4
wt-146970-147090	5503	AATTGGAAACAGTAACTGGATTCTGTAACACTTATGGGTCCAGTGTAGTGCAACTATGCTGAATATCTTGAATATGGGAGGAGGGGGCTTTGGGTTCCATTGTGTGCCCTTTCCTGGC	4
wt-147090-147210	5504	CAACGTGAGGGTCTAGTGTATAGGGCGTGGCAGTTTTCTGAGGGCTAATAACCCGGGTGAGGCGGTTGTACAGGTTGACTAGACCTGGAGTTGAACAGTACCCTCGGTTACAAAG	4
wt-147210-147330	5505	TCATGGTCTAGTAGTTGTGACCCTGCAAAAGTACGTGGGGATGAGCAGCCAGGACTTTGGTTGGCAAGCAGACAGCGCGCATTTGAAACCCAGAGGAGTGTCCCGGGCCACTCTT	4
wt-147330-147450	5506	TGGTCTGTACATATTTGTTATTGTACATAACCATGGAGTTGGCTGTGGTGCACCTCATCTGGTAAGGGGGCTGGTGGCAGCCCTGTGTTTAGTCTATGCCAATGTTTACCTGCCCTG	4
wt-147450-147570	5507	GGTACTATTTCAACGACCACTTTGAGGACACTGGACCCCTGATCATTCTCGGCTTTACTGCCACTGGCTTCTGTTGGTCAGACAGTTGGTGGCTAGTGTGTGCTTAGC	4
wt-147570-147690	5508	AGCAACGCACACAGGCTGACTGCCTTAGCAGTGTGCCCCTTATTTGGCATCTTAAGGAGGATTCTGGAGTGCCTTTCGCGTGAAGCATGCCCTGAGACGTACTCGAGTTAGGACTT	4
wt-147690-147810	5509	AATCGCTCCTGTGCCGCTGGATGAGGGAGCGCCAAATTTGTACATCCTAGCTCTGGCCATAGAGTTAGCCACCCCTTGTGCTCCCTTTGGCCTTTCGGGTGCCAATTTCCGGTGGTTCC	4
wt-147810-147930	5510	CTTTCCGCCCGTTATCCAAATAGCATGTAAAGAGAGTGGCTTAGATTTGGCAACTTTGAGGGAAGCTTCGGTGTAGCTGGTACCAACCCGCCCATACCACGGACAGATTCTGA	4
wt-147930-148050	5511	ACTTGTCTGTGGTGTGGTGTGGTTTTGGGGTACGAGGAGTACGTTGGAATGCTTTGGAGCCGAGAGGGATGGGCCGCTTGTGCCCTTAGTGTACACGGTGGCAATAACCCGCC	4
wt-148050-148170	5512	CGGTGGCGCTGCCCGTGACCCCTGGCCCTTACCTTCTGGCCATCGGGGACCCCTGGTGTAGGGTCCCTGTTGTTGCTTTCTGCCATAGGGGGAAAGCATGCCTTCAGAATGGCT	4
wt-148170-148290	5513	GCTCCGTTGGAAACATTTGAGGCCTACTGTATCCGTGTCTGACAACATTTCCCGCAACATGACATGGGTTAATTAACATGTTTTGTTGCTGGGAATGCTTAGGGCCCTGGAAGC	4
wt-148290-148410	5514	TTGTCATTGGATTGATGTTCTGAACACAGGCGTAGGGCTTATTGTAGCAGGATGCTCTCATTCTGCGTACCAGTGGCATGAAGGCACAGCCTGTTACCAATGGCACCTTTTTT	4
wt-148410-148530	5515	CCATGTAACCTCCGTGATCCTGGTCCCTTGGAGACTCAAGTGTGAATTTGTTTGGTGTTCGGCGCCAGGGTATCTCGACGTTGGAATGTAACCTCAACTTGGGCACCTCGATAACCG	4
wt-148530-148650	5516	GCTCGTGGCTCGTACAGACGATTGTTGGCTGTGTAACCTGCCAGGAACGCTGACGATGTTTGTAGTCTGCCACTTGATCCGGCGCTTTGGTACTCGGGAGACTAATGGGGGGTGTG	4
wt-148650-148770	5517	GTATGGCAGAGGCTGGGGTGAAGTGTGGGATGTCCTGGGCGTGTGTCAGCCCATTCGCCCTCTGGGATGAGATGTTCAAGGGTGGCCGTTACCTACCTGCCGATTACATAATA	4
wt-148770-148890	5518	TAAATGTAAATGCTGCAGTAGTAGGACTGTGACGGCGGACCTGACTACTTTCGGAACCGCAACCCAGGAGCGTCCGCTCGGCCCATCTCCCGCATGCCAGTCTCGCCCTC	4
wt-148890-149010	5519	CCAGGCCTCCCTGGTGAAGCCTTCCGCTCCCGCATTCCTGCTTTCGGCGCCCTGCGGATCCCGATGACAGCAGGCTTTCCCTCCCGCTTAATGAAAAGAATGACAGTGAAGTGT	4
wt-149010-149130	5520	GACAGAAGGACAGCTTATTAGTTTACAGAGTGCCTCGGAGGCTACGATATCCCGTTAAATGCTTGTGATTCTCTCAAAGGTGGGGAGGAGAGCTCCACAACAATGTTCCC	4
wt-149130-149250	5521	TGGCAGCGTGAGCGCGCAGCCCTGCCGTTGGATGATCTTCTCATGATGGTGTGATAGAGGGGTCTCCGGCTAGATGAAAGGCCTGGGCCATGCTCTGGCCGGTACAGATCGTTAT	4
wt-149250-149370	5522	GGGGTGTGGAAATGTTCCGAGCCCTCAGCTGAGGGTCTGGCCCGCTTCCACTCTGTTGGTGAAGCAGTGAAGACCCGGTGGAGGAGTGGGACACGACAACCGCCGTAATCTTGA	4
wt-149370-149490	5523	GCTCAGGGGGCTCGTAGGTGTGTTGATTCCAGTCCGTTGTAATTCAGCAACTAGGAGAAATACAGAGGCAACCCAGGAGCGTCCGCTCGGCCCATCTCCCGCATGCCAGTCTCGCCCTC	4
wt-149490-149610	5524	CTTAGGGTAGGGTTGTAACGCAAGGCAATAATCACATCATCCAAATAGGGTCATGCCACCTGACGCTCAGCGGGCCCTCTCGTTTCAGTTCGGCGTGTCCACGGAGACTCGGACGTA	4
wt-149610-149730	5525	GCCCTTACCGCGGCTATGGCTTTACCGGACACACTTCCCGGGAATGTTGTAATACGGGCTGATGACTTTAGAAATGGGGCGTGTGCTGCCCGAGCAGTGAAGGCAGGACTCGTC	4
wt-149730-149850	5526	CTGGCTGGTGACGGGAGAGCCACTGAGGAAGTCTGGGGCTCGTGGTGTGTTAGCTTGTCCCGCTCTGGGTGACGAGCGTGTGAGTGAATGTCGCTTCCCGGGCAGAACTCGCAG	4

wt-149850-149970	5527	GTAGAGGTAGGGTTCCTGACCAATCTGATGGGCACAATGTACCAAGTAACTCCCTTCTCTATGAACAGCTGCGCGGATTGAGGAGCTTAGCACGATGCTTGGTCCAGAGTGCAT	4
wt-149970-150090	5528	AACGAAGAAGGGCTTGAGGAATACCTCGTGTCTTCCGCTCCAAGAACAACAAACCGCAGCGTAAAGTAGCGGCTGCCGTAGGTGGTGGTGTGAGAGGAAAGAGGTAACCTTGAAAGCT	4
wt-150090-150210	5529	GAGTATCTGGCCACCAGGGGGCAGGAGGCGAGCTCTGGCACTGCGCGTCCAGTGAACATACCTGCTTGTGGTGACGCGGAGCTATGAGGGGAAGATCTGACTTCCACACGCTCT	4
wt-150210-150330	5530	CATGAACACAGTGTCTGTTTTTCAGTGGGCGCAGGCGCGCGGAGGCTGTTCCAGAACACAGAGCGCGGGACGCTAGTGTGCATGGGCTCCTCCGGGGTAAGCTTCGGCCATGCCC	8
wt-150450-150570	5532	GGCCAGAAGAGCGCAAGTCCAAGTCTGGTGCTGGGGCCGATGTGCAGCGTTTGTGCCCGCAGTTGTAGACTGTCAATTTTTATGGCGAGTGGGCGGTCCACACGCGGGCGCAGCACC	4
wt-150570-150690	5533	CATTGGTGCACGCGCTCCCTGGAATGTAACCCACCAGAGAGGGGCTGCCGCGCTGGAGATGCCCTGTCACATGTATTTTCCCTCTGGGTGGAACAACGGCGTGTCTCC	4
wt-150690-150810	5534	GGGTGAGGGGAATAGCGTCCAGGCATCTTTCAGGTACAGACCGGGGCTCATGCTCAGAGAACGCTCCCGGGCGGTGGCGGCGGGCTCCACGAGAACGCTGCCAGACCCAG	8
wt-150810-150930	5535	CCCTCTCGGCCCTGTCCACCTGTATGTCCAGGTGCACGACCCGAGGCTGCGTCTGACATGGCCAGGCTGGTCCAGCGGACCCAGCTCCCGTGCCAGCGGAGGCCCGCCAG	8
wt-150930-151050	5536	AGCAGAGCCCGGACTGACTCAGGGCCACATCCCTCGGCGCGGAGCCGCTCGCCAGCCCCGGGCTTCATGGGCGCGCTTCTACCTCTCCGGCACCCAGCTGGTACGCC	8
wt-151050-151170	5537	GACAGGAAGCATGACCTTGGGGTGGGACGGGGCAGCGTGATCCTGGGCGCAATCTTGGCGATCCCACACCTTCACTCCTTGTAGTGTGATAGAATGTCCGGTACCACGCGCGGG	4
wt-151170-151290	5538	GGCGGGCCGCATAGGGAAAAGCAGGAGAGCGATGTGGGCGAGGATGGCTCAGGCGCCGCCCAGACACGCAATTTGCCCTTGGCGGGCCAGCTGCCCTCGGCGCGGCTGCC	4
wt-151290-151410	5539	CCAGCTCCGTCACGGGGGGCAGATGAGGGGATATCTAGGTAGCCAGCCTACACAATAGAGGCGAAATGAGTCCGCGTGAAGGTGACGTTGCATATCAGCGCGGCTTCTTCCGAAATTTTGTCCGCAAAAGT	4
wt-151410-151530	5540	AACATGGGAGCGTGCACCTGGAAGATGCAGCTGGGAGTAGATCTTACATCTTTACAGGGCGCAGCGCCGCCAGACACTGAAGGGCAGAGTTCACGGCGGGACCTCCAGAGGGAGGCC	4
wt-151530-151650	5541	ACCAGCCGTACTGGCCACGGCCAGGGCCTGTAGGCGGAGAGGGGACGGGAGCTTGTGGTACTGTCCCTCCGGCAGGTGGAGTGGGACACAGTATGAGAATAGTCTCTGTGTC	4
wt-151650-151770	5542	CCTATCTCACCCGCCAGCCTGTGTGTGCAATTTGCAGTGTGACGGCCATCCTCGCAGTGTGACTGACTAGGACCTTTCTGAAGTATCTGGCGGTAAGTGTACCTGGTCTTGAGAGAGT	4
wt-151770-151890	5543	CCATAAAATGGCTGAAGCTCCAGGCTATAGTATAATGAGCAACAGGGCCAAACAGCGCGGGCGCTGGGTAGTAGCGGGCAACGAGAGACTCTGTGCAATCAAACCCAGCTCCCG	4
wt-151890-152010	5544	CCTCACCAGGAAGAGCAGCGGACGGGACAGCATAAACACGAGGAAGCGCAAATGAGTCCGCGTGAAGGTGACGTTGCATATCAGCGCGGCTTCTTCCGAAATTTTGTCCGCAAAAGT	4
wt-152010-152130	5545	TCCAGATGATGATAACTGTGAGGAGGACGATCAGGACTGCCGCCAGTAGTAGCAGCGGCTTTCAGTCTTGGAGGGCGTGTGCATGCCTTGGTGGGGCTTCCCTGCACATGTTGG	4
wt-152130-152250	5546	GGCTCTGTTGAGATTGGCGTCCGGGCCATGATGATGAGGAGGATGATAATCAGCAGGAGTACCAGACAAAACGCCCACAGGTACAGGCACACATTTCTGTGGAGTCTCTTGG	4
wt-152250-152370	5547	GCGTTCGCTGAACAATGCTAGGGTCTTCCAACGCCATACCAAGTGAATCCATACGAGACACTCAGGCCCCAAGAATCATGTTCTGGTCAAAGGCAGAGACCGGTAGACGAGA	4
wt-152370-152490	5548	ACTCCTGAATCATTTTCCAGCACCCAGAGCAGCTTATGAGAAGAGTATCAGCCAGACATCCATTCGGTGAACCAATTTCTTACAAGATGATAACAAGATGCCAGCCAGT	4
wt-152490-152610	5549	TTAGCAAGTCAAGGAGCAGCAGCAGGACGATGTCATGCTCAGGAGGCGCTGACTAGATTAGTGACAGACTTCCGTGCAATGAGCAAGTCTTCCAGCACCGGTCGCCCCA	4
wt-152610-152730	5550	CGGTGGACCCGGGGCCATGGTGAGAGCATTTGCTGGTGACAGGCGAGCTGGTGCTGTGTGTCAGCAAAAAGAGAACTTCCAGGGGAGTTCAGTAAATTTGATGCCACCTCCCTGCC	4
wt-152730-152850	5551	TGGTGGACTTCCAGACTATTTTCTGCATTCGCCCTTGGTGTCCATTTGTCAGGAGCAGATTGGAGAAAAAACTGTGAGTTTACAGATCCACGGGCCAGCTCCCTGGGGCTT	4
wt-152850-152970	5552	CATGATCCACCGCCTTCCCGATTGATTGACAAACGCGGCTGCTGAAAGCGGCTGACGAAATCGGTTGAGATTCTGATGAGAGGCTTGGGGGGTCTTTGCCCTCAAGGCAGGCTCC	4
wt-152970-153090	5553	TTCTCCTAGGAATGCCAGCCCCCTGCAGTTCGCTCCACTGGGGATCTTTGCCAGCCTCATACTAGATTAGCGATCCCCCGGTGGGAATCTTCCAGCCGCCCTGCTGTA	4
wt-153090-153210	5554	TCCCCTGTCGCGCGCCTCCCATGGGACCCCTTCTTTCCTTACTTTGGGATTTGAGTCTGCTCTCGCCGCTCTCTCTGTTTAAACGAGAGAATAGTAGTGA	4
wt-153210-153330	5555	GTCCAGTCTCAGGCCCCCTCACTTTGGGTCTTAAAGTGTGGCCGGGCTGTAATAATTCGAGGACGGAGAGGCGCCGCGGAGTGTGTTGAGGATGTTGGCCGCG	4
wt-153330-153450	5556	CACAAGAGCTACTGGATGCGGTGCTGATCTGGGGCAGTCCCTGTTGGCTCGACGAACTTCTGGTAGACGCGCCAGGTGAGGATCTGGGTGCTCTGTAGGCTGAGAGTTCGCGCT	4
wt-153450-153570	5557	GAGCTCCGTGAAAAGCAGAGCTCCCCATGGGACCCCTGCCTTACGAGGATCTGTGATAGGCTGGTTAGGATGTCAATGACGGGCAAAAAGCCACAGGTAGCCCTTGTTAAATGA	4
wt-153570-153690	5558	CTCTTGAAGGGCCGTTGGGAGAGGAGGCTGGCCGCTCCTTTACCGGGATCCGCGACGACGAGGTGAGCAGCAGCCGGCAGCGTGTGTCACAAACTGCAGGCCGCTTCCGGAC	8
wt-153690-153810	5559	GAGCTCCACCCCTTCAATCAGGCTTTCCGGTCCGTCAGCACCCACATATCTCTTTGTAAATCAGCATCAGGACAGAGAAAGTCTTCCGGCTCCAGGAGATGGGGCCACAAA	4
wt-153810-153930	5560	CTCGGGGTTGAGGGGGCCCCAGCGCTCCGGGAGGGGGCCAGGCGCTGACGTTGGCGGGCTCAGGGCTCCACGAAGGCTTGGCCCGCTCCAACATCTGTCGGGCCGTCAGCGTCAC	8
wt-154290-154410	5564	ATCCTCGCAGGCGCCAGCAGCTTCTGATGGCCTTGGCGTGGCCAGCCAGGAGTTCAACAGACTAGCCAAGAAAGGACTCTGTCAGCGTCTCTTTACAAGTGGTAGACGCCCCCGT	4
wt-154410-154530	5565	GAGCCTGAAGGACTCATAGTCTTCCCGGGGCGAGCGGGGTAGCTGTGCTCTTCTCCCGGCTTATCATGGTGAATAACAGAGATTATGAGCCTGAATGATGCTCGGGTAGAGGCT	4
wt-154530-154650	5566	GGCAAAAGTCCACCACAGAACCCGGGAGTTGTGAAATCCGACAGGGGCTGGATGACGGTGGCCCTTGGTAGCCGTCGGTTCAGAGGCGCAGGGCATGGCGAGGATAAAGTTTCCT	4
wt-154650-154770	5567	TTGGGCGCGCCAGGAGGAGGAACACGCGGATCTGTGCCATCTCCAGCAGCGCTGCAAGGGATGTGAGCGATCTGGCAATCTCTGCCACCTCCAGTGGATCACGAAATG	4
wt-154770-154890	5568	GTTTAGCAGATCCATGACCAAGGGCCAGTCCGTGACGACAGTACATGCCAGCCGCTGCCGCTCCGGGCGGCTCAGGGCTCCACGAAGGCGAGGAATCTCTTGTAAATGCACATCTCTTCT	4
wt-154890-155010	5569	GGCCCCAGTAGGTGCCTGGCTACTGTGTCCAGCTTGTAGTCTGAGAGGCTGAGCTTGTCCCGGCACACGCGGTACATGTGCATGGGGATGAGGCCGTGATGCGGACCTTGGTGGTGGC	4
wt-155010-155130	5570	CCGCAAGAAGCCCTGCCCGCATATGGGGTGCCTGACCTCGCAGACGCCCCAGCCCTAATTTGCCAGAGAGGCTGGGTTGATGCTGTAGATGTGCTGGCTGTGCCAGAATGTA	4
wt-155130-155250	5571	GGCCAGTCAAAGTTGGCCACGTTGAGCGGTGCAATCTCCAGCCTGAGGTTCTGATGAGCTGGAAGAAAGCCGTTAGAGCATGTCCAGCTCCGATGGGAATCCTGAGACCTCAACCC	4
wt-155250-155370	5572	CTCTATGTCTTCCAGGTGCCAGCTCAGCAGGATGCGCTATAGCGCCCGGCTCCCTCCTGTCAGGACAGGAGCGGAGTATCTGAGGATCAGGTGACGCTCGTGTGGTGGCCG	4
wt-155370-155490	5573	GGGAAAGCCCTCCCCAGACACTGATATCGAAGGCCAGGGCTGTAGGAGGCGCAGGAGCTGTTACGCGCGGAGCGAGAGGCTGCCACCTCAGCTCGTACTCGAGCTCGGC	8
wt-155490-155610	5574	GTACGAGTCCCGGCTGGAGGCGGGGATGGCGGCGGCAGCTGTACAGCCAAAGGTGACAAAGTCAATGTCCAGGACAAAGCGGCGGCTGGCATCCAGTGTGCCCTCAAAGATCCG	4
wt-155610-155730	5575	ACACCGTGCTTGTGTGACGCCAGTGGCCAGTGCACACACTGTTGGATGGGAGAGGGTATCTTGTGGTAGTCGCGGATGGTTCGCGTACCCATATGGAACGGCGCGTAC	4
wt-155730-155850	5576	CTTCTCCACCAGACCCGGCAGGGGGTCTGCCGTCGAAAGTCTGCGCTTGGGCGGCTGAGGACTGCAAACTCCAGCTCCAGACCCTGAGGCGCGCTGGCGTAGAAGTAGGCCTGCTG	8
wt-155850-155970	5577	CCCAAACAGTTACACACACAGCTGGCCCATCGCCCTGGCCGCGCCAGTGAATGATGACGATGCCACATGGCACCATACCCCTGTTTATCCGATGGAATGACGGCGCATCTTCT	4
wt-155970-156090	5578	GTGCGTACACACCCTCGAGTATGCTGATGAGACGTAAGTCCAGAGGCTTCCGTGGTGTGCTGCTCCCGCCTTCCGCTGCCCTTGGGACGCTGGGCCACACATGCCCTTCC	4
wt-156210-156330	5580	CAGGTACTCCTTGTCCAGGCTTTTTCAGAAAGCCCTTATTAGGTCTTAGGAAAGGTTATAGAAGAGTCCCCAGACATGGTAAAACTCAGTCTCTGCCCTCCCAAGCAGTGGCGCGCG	4
wt-156330-156450	5581	GTCTGTGATGATAGCTCTTCTGCGTAGGCTGAAAACGGTCCCTGGCTGCCTGCAATGCTGCTGCGCACTGAGGTCGGCGCCGCTTGTGCTGCTCTTTTGTCTCTGG	4
wt-156450-156570	5582	TTTTGCTCATGCAGCGCTAACATGATGGCTGTAATCTGTCTTACTAATGGGATTAATGCCTGGACCCCTCACAGAGGATGTTGTGAGCGAGCTCGTGCATCCGGGGTAGAGCATC	4

wt-156570-156690	5583	TGCACCGGCTGCTGCGACATCTGGCGCGTGGCGCTCGTGAGGGAAAATACAGGATCACACCCCCGCCACCAGGACCAGAATGAGCATGCCCGGAAGGGGTTTTGAAGAAGGAGATG	4
wt-156690-156810	5584	AAACCAGAGACCAGGCTGCTAAACAAACCCCGCCACCGTGTACTAGTTGGTGTGACTGACCCACGCTACCAGACTGTCCATAAGTTCCCGGAGCCGTCACGAATTTGTTCTT	4
wt-156810-156930	5585	CCGTTTGACACTGCATTTGTCACATCTCCGCGAGCGCGCGATGTTTTGCGCTGGAAGTTGTACTCCCGGAAGATGCCCTCCAGGTCAAGACGTTGGAGGCACGCTGTTCCGTCGCT	4
wt-156930-157050	5586	GAGTACAGCTCCAGGGAGGCAAAAGTCAATGTTCTCGATGAGGGAGGTGTTAGTGAAGTGAAGGTCTCGAGGTTGCAATGCCGTCAGCTCCGATGTTTTAAAGTGGTGGTAGTCGTTG	4
wt-157050-157170	5587	TAGACGTGGATCTCGTTGCCGACTGGAAGTACTGGCTGGTCGCTGGACACCTCCGTCATCTTTTTGTGAGGAAGATCTCGTTGTCCGGTCCGAGCTGCTCCGTCAGCTCCTG	4
wt-157170-157290	5588	GTGCTGTGATAAAAGCTGAAGGACACCAGGGGCGGAGTAGCAGATGGTCTCGGAGCCAGCCACTCATGCTTTGCGCAGGTGAGCGTGGCTGTTAACGGGACGAGCTGGGAG	4
wt-157290-157410	5589	CTAGAGGTGACATCCCGCAGCGCTTGGCGCCCGGTCACCGTACCTAGTAGCTGGACATGACGGTGGATTAACTTTGGTTAGTTCTCTCAGCACCATGTTCTGCGCTCTTGCTCC	4
wt-157410-157530	5590	AGGCACAGCGCCCGCAAGGTTCTCCAGCATGCGGTTGATCTGGCGCGCAGGGAGTGTAGGCAAAATGGATCTGGACGGTGGCGGGATTGTTGAGGGTGCCAGGGACTTCCCGGGG	8
wt-157530-157650	5591	GCCGTGGGGGCCACCGGTGTGGTGGCGTTCCCGCATCCCGCTCCGACGCTCAGAAGCGCGCGGGGGTGTCCCGCGGGCCCGGATGGGGCTGGGGCGATGGACTGCTGGGGGT	12
wt-157650-157770	5592	GAGGAAGTCGGAGTGGTAAGTCCGTCAGGTCTTGCAGGTGGCCAGCACAGCGCGGGGTCAGAGGTAGCCAAAGTAATAACAACTCCCGCTCGTTATAAAAATGTAATGGCTTCTG	4
wt-157770-157890	5593	CCCTTCGTAAACGATCCTGGACGGCTCCTACTTCATGATGATCTGTTGTCACCTGCTCTCGATGCACCTGAAGCGCTCCGGAGCTCTATCCCACGGTGTGTTGGTCCAGGA	4
wt-157890-158010	5594	CTAGAGGTGCCCTCGTCAGTCACAAAAATGATTGACTCCCTTTCTGTGGCATGTGTCAGTCAAAGGTTGCGAGTGTGAAGCGGGCAGTACCCTCTCGTCCAGCTCCAA	4
wt-158010-158130	5595	GATAGCGTGAAGTGCCCTTGTCCAGGAAGGCTCGCGTTCGCCCTTGCGGTTCGCTCCCTCGTTGTCGTAGTCCACTATCTTGTAGTTAGTTCTCAGTGGAAAGAGTCTGCCGCTCA	4
wt-158130-158250	5596	TGGAAGTTTTCTTAATTTCCCGTCATAGAAAGGGACATTTCCACAGTCTGCCCGTGGTGGTCAAAAAGGTCGAAAGGGTGTGGACTTGGCCATCATGTAGTATCAGGCGAG	4
wt-158250-158370	5597	TTGACGGTAGTCTTGTCTGTAAGTCCATATCAACCACCCCGGGCGGTATAGAGCTCCGTCGGCTGGCCTGACGGCGCACCCCGTTGCCAGGCCCCCGTGGCGTTTAGGTGACG	4
wt-158370-158490	5598	GTGATGTAACTCCGTCGCGTCTACATACAGCGCGTCAGCCCATCTTTGTCATCTTGACCGCTTTAGCACTGGTAGATGGTATCCATCTGGTCAGTTTCGTAGCTGTCAACGGAG	4
wt-158490-158610	5599	AACITTCCTCGTGCCGGTTGGTACGAGTCCGCGTACCAGCCATTTAGATGAGAAATTTGGTCACTATCTTGGTGTAGGAGCGGACCTTAACAGGATGGGAATAATGTTGCTTTA	4
wt-158610-158730	5600	AACACCATCAACAGGCCCTCCGTGTGATTCTCCCGCTGCCAAACGAGGGACACTGGATGTCCGAGGAGAACCGGAACAGGTCCGGTGGTGGAGAGCTCGCAGACTCGAAAAGGAAG	4
wt-158730-158850	5601	CTGGTTTGCTGACGCGTGGCGTGGCTGCACCCTGGTGGCGGGGGTGGGGCTGCTTGGGTTGCCACCGAGACGGCACGCCAGGGCGGCTAGCAGCAGACCACGCTTAGCACC	8
wt-158850-158970	5602	CTACGCCAGTCATCTCTATTGGAGGTGCAGGTAGAGAAAGGGATATAGATCCTTAATACCACCCCGCCCTTATACAGAAGAATTAGGGGGCGGTGACAGTCTGACGTGAGGTA	4
wt-158970-159090	5603	AAGCCCATCCGGGGCAGGGCCTCCGGGGCTGACCAGCTCCCGCGCGCAGGATCAAGGACCAGCGCCCGGTTGGTGTAGAGGGACACGGTTAGGACGGCCTCGCGCAGCCGCGC	8
wt-159090-159210	5604	GCACAGAATTTGCTGGCTAGATGCCAGTGCCAGTCCGGCCCGGGTACCGTGTAGAAGTGTGAAGGAGTCTCTATCCAGTCCGCTGGTCTGATGCTGGCCATATTCAGGGAAGTCA	4
wt-159210-159330	5605	CTTCTGGTGGGCGAGCTACCTGCGCGCTCACAGCAGCAGCCAGGGCCACGTTGCTGGTGGGGGAAAGAGCCCGCTCTCTCCCGGAGGGCCCCGATGAAGGTGTACAGGCTGTG	8
wt-159330-159450	5606	CGTCAGCGGTGACGCTCCGAGCTCAGGCTGGGTAACAGGTTGTTGTGATGACTGGAATTTCAAAGGCGCACCCCTCCCGCGCGGCTGTCTCCAGGGACCCGAGAC	4
wt-159450-159570	5607	GAAGGCCGTCTGTAGAGGAAGTGGTTGCGCATCGCGGCCAGCTCCAGTAGACACGTCGCCCCAGACGGCAGGACAGGCTCCGGTCAAGGTTCTCGCTCTGTGCGCCAGGACGGA	8
wt-159570-159690	5608	CTGACGCTGGCCAGACCTCGGTGGCCACTGGCGCAGTACTGCTCCTTGCCTTGAGCGCTCCGAGAGGGCGCGGAGCGGCGGGCGGCTCTCGTCCCCAGCCCGCGGGGCACTC	8
wt-159690-159810	5609	CGGGCTCTCCCGGAGCGCTCTCTCCGCTCGGCCAACCCGCTCATGGCTGGTTGAGCGCGTGATACGCTCGTTCTCTTTTGACAGGTAGCCCGGTACTGGGGTGGCGGTGACT	4
wt-159810-159930	5610	GGCGGCGCCGAGTCCGCTTACGCGCTCCACCGCGTCCGCGAGAGCTGTAGACCAGGCTGTCACAGAGTCCAGGAGTCCCGGAGGGGGTACCGGAGGCGGAGCCCGGTACCCCTTCT	8
wt-159930-160050	5611	TGCCCCCGCCAGCGCTCTCGCAGGCCGCCGACCAGGGCCAGGGCAGCGTCCCGGGCAAACAGGGCAGAGAGGGGGAAATGGCCCGCACCCCTCCCGTCCCGGTTGACCGATAGC	12
wt-160050-160170	5612	ATGGCGCCAGAGTCCAAATAGAGGAGCTCCGAGAGCTCCGCCACCTCCGGGGCAGTGTGAGAAACAGTGTGAGGTGTCCAGCGCTTGGTCCGCCCTCTGCTCCGGCCCGCCCGG	8
wt-160170-160290	5613	GCCCCGACCGCGCCCTCTCTGGCCCGCCCGGCTCGCCTTCTCCTCAGCTCCAACAGGTGCCCGAGCCCGGCTGGCGGACTTCATTTCAAACAGTCCCAGAGCCCGCTCCGGATT	8
wt-160410-160530	5615	GAGCGCGGGTCTGGATGGGACTACGCCCGAAAGCGGCCAGCAGATCCAGGGCCGTTCCAGGCTTCCAGCCCATGGTGTGAGACATGCAATAAACAGCTATTGATTTCTCTT	4
wt-160530-160650	5616	CATTAAAATCTATGTCATTTATTAGGCACAAACTTACATCGACTTATGCCCCCGTAAACTCCACAGAGTACGGAGTCCGCGACTGAGGGGGTACGGAGGGCGGGACCCGGTACCCCTTCT	4
wt-160770-160890	5618	CTCCAGCTCGGCCAGCAGCGCGCGTTCGCGCACCACCGCAGCCAGTCCAGACTCCGGGGTCCAGCCGGTGCACAGCTCAGCTCAACCCGACGGGCTACACCTGGCTGTAGCGCGC	8
wt-160890-161010	5619	CGCCAGCAGCCCGACATCGCCCGCCGAGGGTCTTAGACCTCGAGTCCGGGGAGAACGGTGGCCAGACGGCGCTTGCCTCTGCCCCGAGCGCTGCCCTCTCACCCAGCAGCAGC	8
wt-161010-161130	5620	CGGGCGAGCGCTGCGACGCGGTGCTGACCGGCTGGCCACGCTGATAAAGTTGCTGGCTGCCCGGGCCCCACCCACACTCCCTCCAGAAAGTCCCAGCGGCTCCGGCTCCAC	8
wt-161130-161250	5621	TCTATCCCGCTGGAGGCAATGGTCGCCAGGTTTTTAGGACGCTGTCGCCAGGACGGAGAAGCGCCCAATAAGTACTCCCGTCTGCTTCTAGTCCAGGCGCAGTCCCTGCCCATG	4
wt-161250-161370	5622	GCATCCACAAGGTTGCACACCACATCAAACACACAGTCTTCCCTCTGTTTTGATATAATGGCTCCAGGCCAGCCCTGATGTTCTCAATCTCATATGTTGGTCGCGCTTGGGTCGGG	4
wt-161370-161490	5623	CGTTCACGGTCAACCTAGGGTGGGGTGGCAAAGACAAACTTCTCCGATGGAAGAGCCCGGGGCTGTCGCGAGCCAGCCCGGGGGCTGCAGCAGGTTCTGTCCAGGCC	8
wt-161490-161610	5624	CGGCCATAAAGTATCCAGGTTCCCGGCTGGAATATCTGGTTGTGGGTTGACCCCGTGACTTGTGATGGTCACTGGCAGGTGACAACCGGACGGGCTTGCAGACTGGCTA	4
wt-161610-161730	5625	AGACAGTCTGTGCGCGCAGACCCGTTGGTGCAGTAAGGAGGAGGTGGCCTCCGCGTAGGCCGCTGCCACTCCACCGCCCGCTGCCAGTACGTTGGGGTAGTCAACGGCGGGC	8
wt-161730-161850	5626	ACCGACTCGCTCCTGGCACCAGTCCCTGAATCAGGCTGATGTAGAACTGGGTCGGCCGACCGCTTCCAGGTAGGGCTTGTGAGCCCTGCTTTGGCTAAGTGACCAGTTGCCAGGC	4
wt-161850-161970	5627	ACCACACTATGACGTTGCTCTCTTGGGGCCGGGAGCCCGCTCCACAAAGAGGGCAGGTACAGTACTCCCGCTGCCCGCTGGCCCGTGCCGAGAGCCGAGCGCGCTTGGAA	8
wt-161970-162090	5628	AAGTTGTGCCACAGGTACAGGCTTGCAGGCTTAGTGTCCGGAAATAGGTTCTTGGTAGGTTTGGAGAAATTCATGTAGGGCCCGTTGATGTAGTTCCTCCCTCTGGTAGTGGAC	4
wt-162090-162210	5629	TTGATGAAGCTGTTCTGGAGGGCGCATTCTCCCGCTGAAGACCACCTGTTCTTGTGATGTTCTGGGACACAGCATCAGCACCTGGACATGCGCAGGACGGCCGCGCCG	4
wt-162210-162330	5630	TACACCGGCCCTGACGGCCCGTCCAGGTCTGCGAGGTGCGAGTGGGCTCCCGTGCACACCTTGGCCCTTGGCCGAGGACCCCTGTCGATGGCCAGGCTCTAAAGTTG	8
wt-162330-162450	5631	GTGCACGCTCGTGGTAGTGACCTTTAGCCACTCTGGGGGGCTGCGGCAAGCCCGGGTTGTCTATTCTATGACACATACAGATGGGACGGGAGATGCTGACAGGATGGTCCAGCT	4
wt-162450-162570	5632	GAGCCAGTAAACAGCTGGGTGAAGTGGGCGGCTGGCCACCTGCGCAAAGAGGGTTGACAGACTGCATGCAGTGGTAGGCTTTGACCAGGCTTGTGAGTGTGTTGCTTGGCC	4
wt-162570-162690	5633	ATGCTGTTATAAAGTGGACACTTCGGCTCCACCCCGCATCCACGCTTGAACATCTGACAAGTCCAGCGGGCCATGGGGCTCTTCTAGCTTCTCCAGCCTCATGGCC	4
wt-162690-162810	5634	AGCCGAGACAGCCGCTCCAGCAGGTTCTGGTTACGTGCCAGTGGTGTAGCGGGGCTCGTCTCGCGCCGCTGCCGTGCTCTCTTATCGATGAAGTGTGAAGGTTGCCAAAAAG	4
wt-162930-163050	5636	GGGGCCCGCTCCGACAGCGAGCAGCATGGGACTGGCGCGCCCGCCACGACTGCCGCTCCGGCAGCCGGGTCAGAGAGCTTCTGTCCCTGGCAAATGCAGGATGAGT	8

wt-163050-163170	5637	GCATAGCGGGCAAGAAGTGGGCGAGAAAGGAGGCCGCATAGACCAGGTGCTCCACAGCGTAGTTTCCCGGACCGTTGGTTCGGGTACAGCTGCGCCACCAGCCGAGCCGAGAAGCAGGGT	4
wt-163170-163290	5638	CGGCGCAGGGTCCCAGGTCCTCCTGCAGGGTCCCAGGCCGTGGGTCAATGTAGAAGCTGTTAAGAGACTCTCCTTGCCCTGACCGGTTGACTTCGAGACCCCGAGACGTAGAGG	4
wt-163290-163410	5639	ACGGAATTGGTGGCAAAGACTGCGTGGACACGTGGGGGGCAGGCTGGCATTATATCGGTGTAACGCGACCCACACGGCCCTCTGGACCCTCACAGTGGCAAACAGGGGCCACGAGTCG	4
wt-163530-163650	5641	GTTGAGGCTGGGAACCTCTTGAAGGGGGCCACCTTGCCACCTTGGCCTGGTCTGCGAGGCTGCTTCTCCAGCAGCTCCACCAGCTTGCCCAACCGTCGGACCGCGAGCCGCTCGCC	8
wt-163650-163770	5642	AGCCCGGTGTACAGCGCCCTCGTGCATGCAGCGGCTGAGGTCCGAGTGTAAAACCTGGCGGAGCTGGGGCAGCCCTCTGGGAACACCTCTTGTCTGATAGCGGGGACCCTAACGCTCGCA	4
wt-163770-163890	5643	GACTGCCCCACCGCTACCTCTGTTTTAACGATGGAATGGCCACCAAGTTCGGCTGTAGACTGCTCTTGAAGGCTCGGTATTGCCACCAGCCAGGTAGCAGAGGGATCTAGC	4
wt-164010-164130	5645	GGGGGAACCATATGGGCATTGTGGAAACAGCTAGATTGCCCTGTGATAGCGAGGTAGCCAGGCTGGCCAAAGGAGGCTTCTCATCCCGGGTGAACACCGCTGTGCAGAGCTTACATTGATGCTGAAGGCC	4
wt-164250-164370	5647	CCGCACGGACCCGGCTGGCTCTGGCTGCCAGATTATCCTCGTAGTCTGTGCACCCTGCATGATGCCAAGGTATCGCCCCGGCTCCCAAGTCCCACTTAAATGTTACACTTTACTCA	4
wt-164370-164490	5648	TCACGCAACACCCACTGTTTATTATTACAAGATTTAGGAAAGTCACTAGGCTGGCCAGGCCCCAGCTCACGGGAACTGACGCTCAGCGATCTGGCATGCCCGCCAGCCTCGCA	4
wt-164490-164610	5649	AACCAGAGCTCTGCATAGAGGGCCAGGTAGTGGGCGATTGCCCCAGCAGAAAGCGCGCTCTTGTGGTATCCAGGTAGTTTCGACCAGCAACACCACTGTGTAGCAGACACCACC	4
wt-164610-164730	5650	CTGAGCGCGACCAAGTAGTCTAGTGGCTGTGTACTGCGCCAGGACGCTGATGATGAGCCGTACGTGCTGTTTCGCCCGATGTCGGCTGTCTGCAGGCCAGCTCCGCGTAC	4
wt-164730-164850	5651	AGCTTCTATCTTCTCAGGGAGGCTTGTATGAGCGGCAGAGACCAGGAGGCTGGCCAAAGGAGGCTTCTTCTATCCCGGGTGAACACCGCTGTGCAGAGCTTGAACATGAGTGAAGGCC	4
wt-164850-164970	5652	GACTCAGCCACTTGTGCTCCGCGGCGAGGGCCGACCCACGCTCGACCAGGCTCCTCACAAACACAGAACTGTAGACTTGGCTGGCTCATGGTCTGTCAGGCCAGCTCACGGGC	8
wt-164970-165090	5653	TTCAGGCTTATATGATAAAATGGGCGTGGCAGAATAGTATAAGACGCGAGGCTGGGTGAGGAGAGTCCAGAGCAATGGCCAGGTTATCATGCTCAGCTCCTCTGTTGGCCTCTGTGTG	4
wt-165090-165210	5654	GCCGCGGCGCAGGCTGTACCCGCTTCTTGGGTGAGCGAGTCAACCCTGACCTCCTACTGGAGGAGGTGAGCCTCGGTCCAGAGATTGAGGTCAGCTGTTAAACTGGGCCCAGGAGAG	4
wt-165210-165330	5655	GAGCAGGTGCTTATTGGGCGCATGCACCAGATGTCATCTTATAGAGTGGCCTTTCAGGGGCTTCTTGTATATCCACAGAAGTGGCAACACCTTCTTTTAGTAGTACCAGCTGCCAAC	4
wt-165330-165450	5656	ATCTCCCATGACGGCAACTACCTGTGCCCATGAAACTGGCGAGACCAGGTCACCAAGCAGGAACACCTGAGCGTGGTGAAGCCTTCAACCGTGTCTGCCACTCCGAAAGGTCTCAG	4
wt-165450-165570	5657	TTCACAGACTTCTGTGCTTACTGTGACATGCACCGTGAATGCAATTTCCCATCCCCACGTCACAGTGGCTCATGCCGAGGGCGTGGAGCCCGACCAACTGCGGCAAAATGGCGGTGT	4
wt-165570-165690	5658	ATGAAGAAAAGGATGGGAGCCTCTGTGTTGCTGTGACTGTCACTTCCCAAGCCCTGGCACCTGCCAGTGACCTGCGTTGGGAAAATGACAAGGAGGAAGCCACGGGGTTATGTT	4
wt-165690-165810	5659	TCTGGATACTTGTGCAATAAACGCACCTTGCCTATTTACCTTGTTTTAGTGTGGCATTGGGGGGTGGCATTGCGGGTGGATAGCCTCGCGACTCGTGGGAAAATGGGCGAAAGGGCAC	4
wt-165810-165930	5660	CGTGGGAAAATAGTCCAGGTGACAGCAGCAGTGTGTGAAGATTGTCACAGCTGCTGGTTTGAGAAAACGGGGTGGGCGGTGATCAGGGAGAAACAATCCCCGGGACACCTGCACGA	4
wt-165930-166050	5661	GACCCCTGGCTCAGGAACTCCGCGACTTGGCAATTGGGCTAGTGTAGCGCCGGGTTTACAGCATACAGGTTATTTTGGAGCCTTGGTGGGCGTAAATCCCTCTCG	4
wt-166050-166170	5662	CCTTGTTTCTCAGAGACATTTTCAGGCGGTTTTGCACTGCTGCTGCAGCTATGGGTCCCTAGAAAATGGTCCAATGGGCGCGGTTCCCTAGCCCGCGGGGATCCGGATGGTA	4
wt-166170-166290	5663	CGATGGCGAAAACCTCCCAATATCCATCTGCTTCTGGCTTCTGGAAACACCCACCCACCCAGCAGTGAAGAACGTGAATCTAATGAAGAGCCCCACCCCTTATGAGGACCC	4
wt-166290-166410	5664	ATATTGGGGCAATGGCGACCGTCACTCGGACTATCAACCACTAGGAACCCAAAGATCAAAGTCTGTACTTGGGATTGCAACACGACGGGAATGACGGGCTCCCTCCCTCCTACTCTCC	4
wt-166410-166530	5665	ACGGGAGACTCATCTCAACACATATACGAAGAAGCGGGCAGAGGAAGGTAAGATGCCACTATCTGTACTTTTATTATGTCATCACAAGTACATCAATAAAGGGGCGCATCTAG	4
wt-166530-166650	5666	CGGGAGATGTTATCCACACCATCCAATTCATCTCAGGACCAACAGGTCAAAAGTCTTTTGTACACCCCGCAGCTGGCTCCAGGGGTGGAAGGCTGGATGCAGTCTCCGCTAC	4
wt-166650-166770	5667	GGGGCGGACGCTCTCCCAACGCTTTCTGCGGATCACTGCTGGCATTGGGCTGGGAGACAGGGATGATGTGTTCCCGGCTGGTATGCCAGTACCCTGGGAAGTAAAGGGCCCA	4
wt-166770-166890	5668	GGACATTTCTGAAGAACGGCGGAGAGTAGCGTGAATCCAGCCAGTGGTCTACCCGGTGCATGGTGGCTTCTTAGATGAGGAGCAGGCATAAAAGTCCAAACAGGACACAGAGTAC	4
wt-166890-167010	5669	CACCAGGAGTAGTCTTAGTCTGCTGACGCTGGTCTCGGGCAGGGGTGGCTAGGCCCTGGTCTCCGTAGAAGAGCCGGCAGGCCGAGGAGACTGCTGCTTAGCAAAGCACC	4
wt-167010-167130	5670	CTCCAGGACGTGACCATCTCGAGAGTGAAGCACAGCTGTTTTCGTTGACTTTTATACAGTAAGGACAAGGAAAAGGCCAGAGGAATGTGAAAAGATGAGCGAGGACAGGTGTGGAGG	4
wt-167130-167250	5671	TTTTGGCTAGCTCTTAGTTTCTGGGTGTGAGAGAGGGATAAAGTGCCTTATGCGCAAGAATGTGTCAACAACAGGTGTTCTGCCTGCTGCGCATGAGTTAGTGTGGCTTGGGCTG	4
wt-167250-167370	5672	AATCCAAATGTGATTGGCACAAGATGAAAAGCAAAAGTTGCTGGAGTACTGGGTGGGAGACAGGGATGATGTGTTCCCGGCTGGTATGCCAGTACCCTGGGAAGTAAAGGGCCCA	4
wt-167370-167490	5673	TCTGCCTGGTAGTGTGTTGTGCGAGAGTCTGATGTGTGAGGAGGGTGGGTTCAACGCAGGGGCGTGGTGGCGAGTCTGGCAACGCCCAGGTCCTGCTACCTGTGTGGTGTGTTA	4
wt-167490-167610	5674	AGGGCTGGTAAAGGTGCTGCCAATTCTCGCATGTCTCCTTCCCTTGTGTTGAAAATAGAATGAAATGTGGCTTTCAGGCTAGACAGACAGTGTGGCTAAGGGAGTGTGTGCCAG	4
wt-167610-167730	5675	TTAAGGTGATTAGCTAAGGCATTTCCAGTAAATGGAGGGAGAGTCAGTCAGGCAAGCCTATGACATGGTAATGCTTGAAGTAAAGAAAAGGTTAGTCATAGTACTGACTGAAGTGGC	4
wt-167730-167850	5676	CGTGGGGTCTCATCATCTCCACCCGAAACAGAAACCCAAAAGCAGCTAGGAAGGTGTGGATCACCAGCCCATGGCCGGAATCATGACTATGACCGCCCTCCGCTGTGTCATCA	4
wt-167850-167970	5677	AAGGCGGGCCCTGGTCACCTCTTGTGTTTTCAACCTCTCCGTCATTTGTTGGAGGGCCCTCATCATTCCAGCAGAGTGCCTAGGGCTATGAGGCAGCGGGTCTAGTGGCCATTGTCAT	4
wt-167970-168090	5678	CAGTGTGTCAGGGTCTGTTGGGCCATTGTCATCAGTGTGTCAGGGTCTGAGGCAGCGGGTCTGTGGCCATTGTCATCAGTGTGTCAGGGTCTGTGGGCCATTGTCATCAGTGT	4
wt-168090-168210	5679	TGTCAGGGTCTGTGGGCCATTGTGAGGACCCTCCAGGTGCGCTAGTTTTGAGAGCAGAGTGGGGTCCGTCGCCGGCTCCACTCAGGACAGGTGGTGTCTGCCCTCGTTGGAGT	4
wt-168210-168330	5680	TAGAGTCAGATTGATGCCAGAATCATCGGTAGCTTGTGAGGCTGCGGGAGGGATCATCGTGGTGGTTCATCACTGTGCTGTTGCCATGGTAATACATCCAGATTAATAATCGCCA	4
wt-168330-168450	5681	GAAACAGGAGGCCAAAGGAGATCAACCAATAGAGTCCACCAGTTTTGTGTAGATAGAGCAATAATGAGCAGGATGAGGCTAGGAAGAAGGCTAGGAAGAAGGCCAAAAGCTGCC	4
wt-168450-168570	5682	AGATGGTGGCACAAGTCCGACAGACTCTCCAATAAGTAGATCCAGATACCAGTCCGTTGAAAAGAGGTGTTAGGGTTGAAAAGTGGGGGTGTGGTAATAATTCTTAGGGAA	4
wt-168570-168690	5683	TGTTAGATCTTACCAAGTAAACACCCGAAAGTAAACAGCACAATCCAAGGAACAATGCCTGTCCGTGCAAAATCCAGAGAGCGATGAGCAGGAGGGTACTGGGGAAAGAGGAGAAAAGT	4
wt-168690-168810	5684	GCGTTAGAGAAGGAGTAAGGAAAGGGGTTGTTGGCCAAAGGGTGAATACTTACTCATCAGTAGGAGTATACAAAGGGCTCCAAGTGACAGAGAAGGTTCTTCTGAAGATAAAG	4
wt-168810-168930	5685	ATGATCAAATAATAAATAAAGCATGAGAGCAAAGGAATAGAGGACAAGGAGGGCTCCTCAGTCCAGTCACTCAACCATGTACAGCCAAAACAGTACGCGCAAGAGGAGGAGAAGG	4
wt-168930-169050	5686	AGAGCAAGGCCTAGGGAAGAGGAGAGGGGGGCTCCTCAGGGGGCTCGCGGGCCCCGTGGGCCCCCTCAAGGTGCTGTTCCATCCCTCAGGGCAGTGTGTCAGGAGCAAGCAGTTGA	8
wt-169050-169170	5687	GGAAGAAGGGGCGAGCAGTGTGAGGGCTTATGAGGGCGACTACGTCAGATACCGGTGTTCTTGGATGTAGGCCCCGGGGATTTGCGGGCTGCCCCGAGGACAGCTACGGGT	4
wt-169170-169290	5688	ACAGATTTCCGAAAGCGCGGTGTGTGTGTCATGTAAAGCTAGAAAGGGGAAGTAGAAAGCGTGTGTTGTGTTAGAAAAGCGGGTCCCCGGGGGCAAGCTGTGGGAATGCGGTGGC	4
wt-169290-169410	5689	CAAGTGAACAGAAATGAAAGGCAAGTCCGGAATCAGAAGGGGAGTGCAGTGTGTTGGGAAGCGGCAAGTGAATCTGCACAAAGAGGCGGGGGCGCCCAACGTTGGGAGGTGCT	4
wt-169410-169530	5690	TGGCGCAGGCGGGAGGCCGTGTTAGGGGGTTCAGGTGAGGCAAGGCTGTGGGTAAACCGTAGGGGAGGCGGTTGAGGCGCTAAGGGTCTGGCGGGTACGAAAGCAGC	8



wt-169530-169650	5691	AGACGCGGATATGGGAATTCAGAATGAGGTGGCGGATTCAGCGGAAAAGGGTGTGGGTGTGCGAGTGTGATGAGCGAGGCGCGAAAGTTCGTCGCGCTTGTGGGCATGGGGGGC	4
wt-169650-169770	5692	CGCGCATTCTGGAAGAGTGGAGGGGCGTGGCCTTCCCGCGGGCCCCAGCCCCCGCACAGAGCGGCCTACGCGGGCGGGCGGGGGGTGGGGTCCCGCGGCCTCCGGGG	12
wt-169770-169890	5693	GCTGCGGGGCGTGGATGGCGGCGACGTTCCGGGGATCGGGGGGTGGGGGGCCTCCGCGGGCGCAGCCATGCGTGACCGTGATGAGGGGCGAGGTCGACGGGGTGTGTCTGGTGG	12
wt-169890-170010	5694	GGGCGGAGCGGGGGCGCGCGGGAGCCTGACACCGCTTGGAGGGTAGAATGACAGGGGGCGGGACAGAGAGGCGGTCGCGCCCCGGCCGCGCCAGCCAAAGCCCAAGGGGGCGG	12
wt-170010-170130	5695	GGAGCGGGCAATGGAGCGTGACGAAGGGCCCCAGGGCTGACCCCGCAACCTGACCCGGGCTCCGGGGTACCCAGCCAAAGCGTGACCAAGGGGGCCCCGGTGGTGACACAGGCAACCT	8
wt-170130-170250	5696	GACAAAGGCCCGCCAGGAAAGACCCCGGGGGGCATCGGGGGTGGGGGCGCCGATTCGCGGAAAAGTGGAGGGGGCTGGCCCTTCCCGCGGGCCCCAGCCCCCGC	12
wt-170250-170370	5697	CACAGAGCGGCGCTACGCGCGGGCGCGGGGGTTCGGGGTCCGCGGGCTCCGGGGGCGCAGCCATGCTGACCGTATGAGGGGGAGGGTCCGCGGGGATCGGGGGGTCCGGGGCGG	12
wt-170370-170490	5698	GGCGCAGCCATGCGTGACCGTGATGAGGGGGCAGGGTGCAGGGGGTGTGTCTGGTGGGGGGCGGAGCGGGGGCGGCGGGGAGCCTGACGCGCTTGGAGGGTAGAATGACAGGGGGC	8
wt-170490-170610	5699	GGGACAGAGAGCGGCTCGCGCCCCCGCGCGCCAGCCAAAGCCCCAGGGGGGGCGGGGAGCGGGCAATGGAGCGTGACGAAGGGCCCCAGGGCTGACCCCGGCAACCGTACCCGGGG	12
wt-170610-170730	5700	CTCCGGGTGACCCAGCCAAAGCGTGACCAAGGGGCCCTGGGTGACACAGGCAACCTGACAAAGGCCCCCCAGGAAAGACCCCGTGGGGCATGGGGGGCCGCGCATTCCTGGAAAAAG	8
wt-170730-170850	5701	TGGAGGGGGCTGGCTTCCCGCGGGCCCCAGCCCCCGCACAGAGCGCGCTACGCGGGGGCGGGCGGGGGTGGGGTCCGCGGGATCCGGGGCTCCGGGGGTCCGGGGCGGTTGCG	12
wt-170850-170970	5702	GGCGGAGCTTCGGGGATCGGGGGGTTCGGGGGGCGCGGGGGGCGCCGCGGGCGCAGCCATGCTGACCGTATGAGGGGGAGGGTCCGCGGGGATCGGGGGGTGTGTCTGGTGGGGGGCGG	12
wt-170970-171090	5703	CGCGGGAGCTGCACGCGTGGAGGGTAGAATGACAGGGGGCGGGGACAGAGAGCGGTGCGCGCCCCGGCCGCGCCAGCCCAAGGGGGGGCGGGAGCGGGCAATGGAGCGT	12
wt-171090-171210	5704	GACGAAGGGCCCCAGGGCTGACCCCGGCAACGTGACCCGGGGTCCGGGGTACCCAGGCAAGCGTGACCAAGGGGGCGTGGTGACACAGGCAACCTGACAAAGGCCCCCCAGGAA	8
wt-171210-171330	5705	AGACCCCGGGGGGATCGGGGGGTGGGGCATGGGGGGCGCGCATTCCTGGAAAAAGTGGAGGGGGCGTGGCCTTCCCGCGGGCCCCAGCCCCCGCACAGAGCGGGCTACGGC	12
wt-171330-171450	5706	GGGCGGGCGGGGGGTGGGGTCCCGGGCTCCGGGGTTCGGGGCGGGTGGATGGCGGGGACGTTCCGGGGATCGGGGGGGTGGGGGGCGGGCGCGGGCGCAGCCATGCGTGACC	12
wt-171450-171570	5707	GTGATGAGGGGGCAGGGTGCAGGGGGTGTGTCTGGTGGGGCGGGAGCGGGGGCGCGCGGGAGCCTGCACCGCTTGGAGGGTAGAATGACAGGGGGCGGGGACAGAGGGCGGTCG	8
wt-171570-171690	5708	CGCCCCGGCGCGCCAGCCAAAGCCCCAAGGGGGGGCGGGAGCGGGCAATGGAGCGTGACGAAGGGCCCCAGGGCTGACCCCGGCAACCGTACCCGGGGCTCCGGGGTACCCAGCCA	12
wt-171690-171810	5709	AGCGTGACCAAGGGGGCGTGGGTGACACAGGCAACCTGACAAAGGCCCCCCAGGAAAGACCCCGGGGGCATCGGGGGGGTGTGGCGGGGGCATGGGGGGTGGATTTCGCCT	8
wt-171703-171823	5710	GGCCCGTGGGTGACACAGGCAACCTGACAAAGGCCCCCCAGGAAAGACCCCGGGGGCATCGGGGGGGTGTGGCGGGGGCATGGGGGGTGGATTTCGCCCTATTGCCCTGTTT	8
AG876-0-120	172765	AGAATTTGTCTTCTATTACCCTTACTTTCTTCTTGGCCGTTCTTCTTCTAGTAGAATCCAGTATGCTGCTGTAAATGTTGCGCCCTACCTGTTGGCTGGCGGCTATTGC	4
AG876-5760-5880	345530	CCCTCTCAGAAACTCTGACGGAGAAGCTGGAGCTGAACCTTCCCGCCCCCGGACCTGTGTGCTATTACAAACACTACAATAAACCCAATGTGCAAATGTGGTTTTGATGGCTACTTTGTTCTTAAAAAATGCAACAATAG	4
AG876-5790-5910	518295	TGGACGTGAACCTTCCCCCCCCCGGACCTGTGTGCTGATTTACAAACACTACAATAAACCCAATGTGCAAATGTGGTTTTGATGGCTACTTTGTTCTTAAAAAATGCAACAATAG	4
AG876-5820-5940	691060	TGTGTCTGATTTACAAACACTACAATAAACCCAATGTGCAAATGTGGTTTTGATGGCTACTTTGTTCTTAAAAAATGCAACAATAGAAAGTGGAAACCCCTCAGTCACGGGACATTAA	4
AG876-7500-7620	863825	CCCGGATATAGATTAGGATAGCATATACTACCCAAATAGAGATTAGGATAGCATATGCTACCCAAATAGAGATTAGGATAGCATATGCTACCCGGATATAGATTAGGATAGCATATACTA	4
AG876-7530-7650	1036590	CCCAAATAGAGATTAGGATAGCATATGCTACCCAAATAGAGATTAGGATAGCATATGCTACCCGGATATAGATTAGGATAGCATATACTACCCAAATAGAGATTAGGATAGCATATGCTA	4
AG876-7560-7680	1209355	CCCAAATAGAGATTAGGATAGCATATGCTACCCGGATATAGATTAGGATAGCATATACTACCCAAATAGAGATTAGGATAGCATATGCTACCCAAATAGAGATTAGGATAGCATATGCTA	4
AG876-7590-7710	1382120	CCCGGATATAGATTAGGATAGCATATACTACCCAAATAGAGATTAGGATAGCATATGCTACCCAAATAGAGATTAGGATAGCATATGCTACCCGGATATAGATTAGGATAGCATATGCTA	4
AG876-7620-7740	1554885	CCCAAATAGAGATTAGGATAGCATATGCTACCCAAATAGAGATTAGGATAGCATATGCTACCCGGATATAGATTAGGATAGCATATGCTACCCAAATAGAGATTGGGATAGCATATGCTA	4
AG876-7650-7770	1727650	CCCAAATAGAGATTAGGATAGCATATGCTACCCGGATATAGATTAGGATAGCATATGCTACCCAAATAGAGATTGGGATAGCATATGCTACCCGGATATAGATTAGGATAGCATATGCTA	4
AG876-7680-7800	1900415	CCCGGATATAGATTAGGATAGCATATGCTACCCAAATAGAGATTGGGATAGCATATGCTACCCGGATATAGATTAGGATAGCATATGCTACCCAAATAGAGATTAGGATAGCATATGCTA	4
AG876-7710-7830	2073180	CCCAAATAGAGATTGGGATAGCATATGCTACCCGGATATAGATTAGGATAGCATATGCTACCCAAATAGAGATTAGGATAGCATATGCTACCCGGATATAGATTAGGATAGCATATGCTA	4
AG876-7740-7860	2245945	CCCGGATATAGATTAGGATAGCATATGCTACCCAAATAGAGATTAGGATAGCATATGCTACCCGGATATAGATTAGGATAGCATATGCTACCCAAATAGAGATTGGGATAGCATATGCTA	4
AG876-7770-7890	2418710	CCCAAATAGAGATTAGGATAGCATATGCTACCCGGATATAGATTAGGATAGCATATGCTACCCAAATAGAGATTGGGATAGCATATGCTATCCTAATCTCTATCTGGGTAGCATATACTA	4
AG876-7800-7920	2591475	CCCGGATATAGATTAGGATAGCATATGCTACCCAAATAGAGATTGGGATAGCATATGCTATCCTAATCTCTATCTGGGTAGCATATACTATCCTAATCTCTATATGGGTAGCATATGCTA	4
AG876-7830-7950	2764240	CCCAAATAGAGATTGGGATAGCATATGCTATCCTAATCTCTATCTGGGTAGCATATACTATCCTAATCTCTATATGGGTAGCATATGCTATCCTAATCTCTATATCTGGGTAGCATATACTA	4
AG876-7860-7980	2937005	TCCTAATCTCTATCTGGGTAGCATATACTATCCTAATCTCTATATGGGTAGCATATGCTATCCTAATCTCTATATCTGGGTAGCATATACTATCCTAATCTCTATATGGGTAGCATATGCTA	4
AG876-7890-8010	3109770	TCCTAATCTCTATATGGGTAGCATATGCTATCCTAATCTCTATATCTGGGTAGCATATACTATCCTAATCTCTATATGGGTAGCATATGCTATCCTAATCTCTATATCTGGGTAGCATATGCTA	4
AG876-7920-8040	3282535	TCCTAATCTCTATCTGGGTAGCATATACTATCCTAATCTCTATATGGGTAGCATATGCTATCCTAATCTCTATATCTGGGTAGCATATGCTATCCTAATCTCTATATGGGTAGCATATGCTA	4
AG876-7950-8070	3455300	TCCTAATCTCTATATGGGTAGCATATGCTATCCTAATCTCTATATCTGGGTAGCATATGCTATCCTAATCTCTATATGGGTAGCATATGCTATCCTAATCTCTATATGGGTAGCATATGCTA	4
AG876-7980-8100	3628065	TCCTAATCTCTATCTGGGTAGCATATGCTATCCTAATCTCTATATGGGTAGCATATGCTATCCTAATCTCTATATGGGTAGCATATGCTATCCTAATCTCTATATGGGTAGCATATGCTA	4
AG876-8010-8130	3800830	TCCATCGCAACATTAGCCACCCTGCTCTCAACGACCTCGTGAATATGAGGACCAACAACCCCTGTGCTTGGCGCTCAGGCGCAAGTGTGTAACTTGTCTTCCAGATCGCAGCAATCGC	4
AG876-10140-10260	3973595	AGAAGCATACATGACAATTAAGCGCGGTGATAATCCATACCCTGGGAAGCAGGAGATGGGTGCAATTCACCCGCAACCCCTTTCAGCTGTCAATTAACAATAAATGAAACCTTTAT	4
AG876-10170-10290	4146360	ATAATCCATACCTGGAAGCAGGAGATGGGTGCATTTACCCCAACCCCTTTTCAGCTGTCAATTAACAATAAATGAAACCTTTTATTCTTGATTGCCCTTGTGTTCTTGGCCCTT	4
AG876-14040-14160	4319125	AAATCAAACCTTTAGAGCGCAATGGCGCCATTTTGTCCACCGCGCAGATAATGGCGACCTAGGCTAAAACCCCGAGGAGCGGGTCTATGGTTGGCTCGCTGCTGCTATCTTTAG	4
AG876-14460-14580	4491890	TTTTTCCCTTCCCTCCCTCGTCTTCCCGCTGCGCCTGGGGCCACCTTCATCACCGTCTGACTCCGCCATCCAAAGGCTAGGGGAGACCGAAGTGAAGTCCCTGGACCAGCCCGGCCCCG	8
AG876-15060-15180	4664655	CACATGTCAGACGCTGGGCTCAAGGCCCTCGGGTCCCCCTGGAGCCCGGCTCAGCAACCCCTGCTGCTCCCTCTGCCACCCAGCCCTCCCGCTCCCGCTCCCGCTCCGCTC	8
AG876-15870-15990	4837420	CCCTCTCTGTCTTCAGAGCAACAGGACCTCGGGACCCCGGAGCCCGCTCGGGGCGGCTCCAGCCCGCTGCTGGTCTCCGCTCCCGCTGAGCCCGCTTAAACCCAAAGAAATG	8
AG876-15900-16020	5010185	GACCTCGGGCACCCAGGCCCCCTCGGGCCCGCTCCAGCGCCCTCCTGGTCTCCGCTCCCTCTGAGCCCGTTAAACCCAAAGAAATGCTGAGGGAGACCACTCCGGGGCCAGGC	8
AG876-16200-16320	5182950	AGCCTCTCCCTCGCGGAGAGGGCCCTTCCGAGCCCTCAAGTCCAGTCCCACCGAGACCCGAGTGGCCCGGATCCCCACCGGCCCTTCTTTCCCGCTACTCTCTCAACCTTCGCT	8
AG876-16260-16380	5355715	GAGTGGCCGGATCCCCACCGGCCCTTCTTTCCCGCTACTCTCTCAACCTTGTCTCCACCTAGACCCAGCTTCTGGCTCCCGGGTCCACCAGGCCAGCCGGAGGACCCCG	8

AG876-16410-16530	5528480	CTGGCCTCTCCTTCCCGCTCCACCCGAGCCCTCAGCTTGCCTCCACCGGGTCCATCAGCCGCGCGGAGGACCCCGCGGCCGGTGTACAGTTCCCCCTGCAGCCGCCAGTC	12
AG876-16560-16680	5701245	TCCCCCAGCCTGAGGCCAGGCTCCTGTGACTGTCTGTAAGTCCAGCCTCCACGCGCGTCCACGGCTCCAGGCCAGCCCGTCCACCCCTCCACAGTTGGACAGGCCCTGTGT	8
AG876-16590-16710	5874010	CACTGTCTGTAAGTCCAGCCTCCACGCGCCGTCCACGGCTCCAGGCCAGCCCGTCCACCCCTCCACAGTTGGACAGGCCCTGTGCCACCCGGCCATCCCCCCCCCTGTGTC	8
AG876-16770-16890	6046775	CCCATGTAAAGCTGCCTCGAGTAGTGCCTCCAGAGCCCTTTTGCCCCCTGGCGGCCAGCCGACCCCGGGCGCCCCAAACTTTGTCCAGATGTCCAGGGGTCCCCGAGGGCGAG	8
AG876-16800-16920	6219540	CCAGAGCCCTTTTGCCCCCTGGCGGCCAGCCGACCCCGGGCGCCCCAAACTTTGTCCAGATGTCCAGGGGTCCCGAGGGCGAGGCCAGCCCTCCCGCCCTGTCCACTGAC	8
AG876-16830-16950	6392305	AGCCCGACCCCGGGCGCCCCAACTTTGTCCAGATGTCCAGGGTCCCGAGGGCGAGGCCACCCCTCCCGCCCTGTCCACTGCCCGTCCCGCAGAGCCCAAAAGTCCAGAGT	8
AG876-16860-16980	6565070	TCCAGATGTCCAGGGTCCCGAGGGCGAGCCAGCCAGCCCGTCCCGCCCTGTCCACTGGCCCGTCCCGCAGAAAGTCCAGAGTCCCGCCATGAGGCCATGCGCCCTGTACCAG	8
AG876-16890-17010	6737835	GCCCAGCCCTCCCGCCCTGTCCACTGCCCGGTCCCGCAGAAGCCCAAAAGTAGAGGCTCAGGCCATGCGCGCCCTGTACCAGGCCGCAAGAGCCAGATCTAAGGCCGGG	8
AG876-17790-17910	7083365	CCAGTCTACCAGAGGGGCCAAGAACCAGACGAGTCCGTAGAAGGGTCTCGTCCAGCAAGAAGAGGAGGTGGTAAGCGGTTACCTTCAGGGGTAAAGTAACTGACCTCCAGGGC	4
AG876-17820-17940	7256130	GACGAGTCCGTAGAAGGGTCTCGTCCAGCAAGAAGAGGAGGTGGTAAGCGGTTACCTTCAGGGTAAAGTAACTGACCTCCAGGGTACATAAAGGGAGGCTTAGTATACATGCT	4
AG876-19020-19140	7428895	GTCTCCGCTCCCTGTGAGCCCGTTAAACCCAAAGAATGTCTGAGGGAGCCACCTCGGGCCAGCCCGCCAGGTCAGAGGTCAGGGGACCTCAGGGTGCCTCCCGGGTCCAG	8
AG876-19290-19410	7601660	GGCCCTTCCAGGCCCTAAGTCCAGGCTCCACCCAGACCCGAGTGGCCCGATCCCGCCGATCCCGCCCGTCCCTCCCTACTCCTCTCCAACCTTCGCTCCACCTAGACCCCAAGCTTC	8
AG876-19320-19440	7774425	ACCGAGACCCGAGTGGCCCGATCCCGACCGGCCCTCTCTTCCCGTACTCCTCTCCAACCTTCGCTCCACCTAGACCCAGCTTCTGCGCTCCCGGGTCCACAGGCCAGCCGG	8
AG876-19800-19920	7947190	GGGACTTATGTGACCTTGGGCTGGCTCCCATAGACTCCATGTAAGCTGCCTCGAGTAGGTGCCTCCAGAGCCCTTTTGCCCCCTGGCGGCCAGCCGACCCCGGGCGGCC	8
AG876-19830-19950	8119955	CCCATAGACTCCCATGTAAGCTGCCTCGAGTAGGTGCCTCCAGAGCCCTTTTGCCCCCTGGCGGCCAGCCGACCCCGGGCGCCCCAAACTTTGTCCAGATGTCCAGGGGTCC	8
AG876-20700-20820	8292720	CCTGGACCCAGCCCGCCCGGGCCCGGATCGGGCCAGAGTAAAGTGGACTTAAATTTTCTGCTAAGCCAACTCCACCACACCCAGGCACACTACACACCCACCCCGTCT	4
AG876-21480-21600	8638250	GAGGCCCGCGCCATTGGGCCAGATTGAGAGACCACTCCAGGGCCGAGGTTGGAGCCAGCGGGCACCCGAGGTCCAGACCCCGTCCCTCCCGGGGCGAGACAGGCCAGGGCCCC	8
AG876-21510-21630	8811015	AGACCAAGTCCAGGGGCCGAGGTTGGAGCCAGCGGGACCCGAGGTCCAGACCCCGTCCCTCCCGGGGCGAGACAGCCAGGGCCCGGGCAGCTGGCCCGAGGAGCGCCCGGA	12
AG876-22110-22230	8983780	CCCGTAAACCCAAAGAATGTCTGAGGGGAGCCACCTCGGGCCAGGCCAGAGTCCAGAGGTCAGGGGACCTCAGGGTGCCTCCCGGGTCCAGGCCAGCCGAGGGACCCGG	8
AG876-22140-22260	9156545	GCCACCTCGGGGCCAGGCCCAAGTCCAGAGGTCCAGGGCACCTCAGGGTGCCTCCCGGGTCCAGGCCAGCCGAGGGACCCCGGCAGCCCGGGCGGCCAGAGCCGGTTCCT	12
AG876-22170-22290	9329310	AGAGGTCAGGGGACCTCAGGGTGCCTCCCGGGTCCAGGCCAGCCGAGGGACCCCGGCGAGCCCGGGCGGCCAGAGCCGGTTCCTCGCCCTTCCCGGGTCCAGAGCCAGGG	12
AG876-22200-22320	9502075	CGGGTCCAGGCCAGCCGAGGGACCCGAGCCCGGGCGGCCAGAGGCCGTTCTCGCCCTTCCCGGGTCCAGAGCCAGGGTCCCGCCAGAAGGGACCTTAGCGTCC	12
AG876-22230-22350	9674840	CAGCCCGGGCGGCCAGAGGCCGTTCTCGCCCTTCCCGGGTCCAGAGCCAGGGTGTCCCGCAGAAGGACCCTAGCGTCCCTTCTCCCTCCAGGCCAGCCTCTCCC	8
AG876-22380-22500	9847605	GTCCAGTCCACCCAGACCCGAGTGGCCCGATCCCGACCGCCCTCTCTTCCCGTACTCCTCTCCAACCTTCGCTCCACCTAGACCCAGCTTCTGGCTCCCGGGTCCACCA	8
AG876-22410-22530	10020370	GATCCCCACCGGCCCTTCTCTTCCCGTACTCCTCTCCAACCTTCGCTCCACCTAGACCCAGCTTCTGGCTCCCGGGTCCACAGGCCAGCCGAGGGGACCCCGGCAGCCCGGG	8
AG876-22440-22560	10193135	ACTCCTTCCAACCTTCGCTCCACCTAGACCCAGCTTCTGGCTCCCGGGTCCACCCAGGCCAGCCGAGGGACCCCGGCAGCCCGGGCGAGTGCCTTCCCTTCCCTGGCCTCTC	8
AG876-22890-23010	10365900	GGCCTGGCTCCCATAGACTCCATGTAAGCTGCCTCGAGTAGGTGCCTCCAGAGCTTTTGCCCCCTGGCGGCCAGCCCGACCCCGGGCGCCCAACTTTGTCCAGATGT	8
AG876-23310-23430	10538665	CCTAGCCATAAACCCCGAGGACCCGAGCCCGGGCGGCCAGAGGCCGTTCTCGCCCTTCCCGGGTCCAGAGCCAGGGTAAAGGAAATAAGCCCGCAGACAGGGGAGTGGGCTTGT	4
AG876-23670-23790	10711430	TTTTTCCCTTCCCTCCCTCGCTTGGCTGCGCCTGGGGCCACCTTCATCACCCTCGCTGACTCCGCCATCCAAGCCTAGGGGAGCCGAAGTGAAGTCCCTGGACCAGCCCGGCCGG	8
AG876-24330-24450	10884195	CAACCCTGCTGCTCCCTCCTGCCACCCAGCCTCCCGCCCTCCCGTCCCGCTTCTGCTTATCCTCCCGGGTCCCGAGTAGGGCCGCTGCCCGCTGCACCCAGTACCTGCCCT	8
AG876-24870-24990	11056960	GCAGAGTCCGGGCGATCCTGTGAGACCTCCGGGCCCGGACGGCCCGCTCGGCCCCAGACAGACCCAGGGTCTCCAGGCAGGGTCCGGCATCTCCAGGGGAGCAGGCTCACCACC	8
AG876-25830-25950	11229725	CGTCCAGGCTCCAGGCCAGCCCGTCCACCCCTCCCGCAGTTGGACAGCCCTGTGCCACCCGAGTCCCGTCCAGGGGACCTTATGTACCCCTAGCTCCCATAGACT	8
AG876-25860-25980	11402490	ACCCCTCCCGCAGTTGGACAGGCCCTGTGCCACCCGGGCCATCCCGCCCGCTGTGCCACCCAGTCCCGTCCAGGGGAGCTTATGTACCCCTTGGGCTGGCTCCCATAGACT	8
AG876-26070-26190	11575255	TCCAGATGTCCAGGGTCCCGAGGGCGAGGCCAGCCCTCCCGCCCTGTCCACTGCCCGGTCCCGCCAGAAAGCCCAAAAGTAGAGGCTCAGGCCATGCGCGCCTGTACCAG	8
AG876-27000-27120	11748020	CCAGTCTACCAGAGGGGCCAAGAACCAGACGAGTCCGTAGAAGGGTCTCGTCCAGCAAGAAGAGGAGGTGGTAAGCGGTTACCTTCAGGGGTAAAGTAACTGACCTCCAGGGC	4
AG876-28110-28230	12093550	CCGGGCGCTCCTCGAGGCCAGCCCGGGTGGTTCGCCCCTCTCTGTCTTCCAGGAACCCAGGACCTCGGGCACCCAGAGCCCTCGGGCCCGCTCCAGGCCCTCCTG	8
AG876-29160-29280	12266315	CGAGGGCGAGGCCAGCCCTCCCGCCCTGTCCACTGCCCGGTCCCGCAGAAGCCCAAAAGTAGAGGCTCAGGCCATGCGCGCCTGTACCAGGCTGCCAAAGAGCCAGATC	8
AG876-29490-29610	12439080	TGCGCTGCTGCTATCTTTAGAGGGGAAAAGAGGAATAAGCCCGCAGACAGGGGAGTGGGCTGTTGTGACTTACCAAAGGTCCAGGGCCAAAGGGGTTGCGGTTGCTAGGCCACTTC	4
AG876-30390-30510	12611845	TTTTAGAACCACAGCCTGGACACATGTGCCAGACGCTGGGCTCTAAGGCCCTCGGGTCCCGCTGGACCCCGGCTCAGCAACCTGCTGCTCCCTCCTGCCACCCAGCCTCCCGCC	8
AG876-30420-30540	12784610	AGACGCTGGGCTCTAAGGCCCTCGGGTCCCGTGGACCCCGGCTCAGCAACCTGCTGCTCCCTCCTGCCACCCAGCCTCCCGCTCCCGTCCCGCTTCTGCTCTTATCCTCC	8
AG876-30450-30570	12957375	CCCCTGACCCCGGCTCAGCAACCTGCTGCTCCCTCCTGCCACCCAGCCTCCCGCCCTCCCGTCCCGCTTCTGCTTATCCTCCCGGGTCCCGAGTAGGGCCGCTGCCCGCC	12
AG876-30480-30600	13130140	GCTCCCTCCTGCCACCCAGCCTCCCGCCCTCCCGTCCCGCTTCTGCTTATCCTCCCGGGTCCCGAGTAGGGCCGCTGCCCGCTGCACCCAGTACCTGCCCTTGGCCAGC	8
AG876-30900-31020	13302905	GCTGTCTCAGGAGGGGCTGGCTCCCGGGTGGCCCTGGGGTAAAGTCCGGAGGCAGAGGGACCGGCTAGCCCGGGGAGTGGAGGGGATCGCCGGGTCTGTGGCAGAGTCCG	8
AG876-32610-32730	13475670	GGGAGTGGGCTTGTGTGACTTACCAAAGGTCCAGGGCCAAAGGGGTTGCGGTTGCTAGGCCACCTTCTCAGTCCAGCGGTTTACGTAAGCCAGACAGCAAGTGTGACTTCT	4
AG876-32640-32760	13648435	GGTCCAGGGCCAAAGGGGTTGCGGTTGCTAGGCCACCTTCTCAGTCCAGCGGTTTACGTAAGCCAGACAGCAAGTGTGACTTCTAGGGAGGGGACCACTGCCCTGGTATAAAG	4
AG876-32850-32970	13821200	CCCTCAAAGACTCGGGCCAGTTTCTAACTTTTCCCGTCCCGTCCCTGCTTGGCCCTGCGCCTGGGGCCACTTCATCACCCTGCTGACTCCGCCATCCAAGCTAGGGGAGACCC	4
AG876-32880-33000	13993965	TTTTTCCCTTCCCTCCCTGCTTGGCTGCGCCTGGGGCCACTTCATCACCCTGCTGACTCCGCCATCCAAGCTAGGGGAGACCCGAAGTGAAGTGGACCCAGCCCGGCCGG	8
AG876-32940-33060	14166730	GACTCCGCATCCAAGCTAGGGGAGACCGAAGTGAAGTCCCTGAGCCCGGGCGGCCCGCCGATCGGGCCAGAGGTAAGTGGACTTAAATTTTCTGCTAAGCCCAACT	8
AG876-33690-33810	14339495	TAGACCCGCCAAAGCCCATCCCTGAAGACCCAGCCGACCTTCTCTGTGTAACAGACAGAGAAGAAGTAGAGGCCCGGCCATTGGGCCAGATTGAGAGACCAAGTCCAGGGGCCGA	4
AG876-34200-34320	14685025	ACAGGCCCCAGACCCGGTCTCGGCCAGCCGAGCCAGCCGCGCCCGCCGGCGCCCTCCTCGAGCCAGCCCGGGGTTGGTCTGCCCTCTCTGTCTTCCAGGAACCAAGG	8
AG876-34230-34350	14857790	CCGAGCCGACCGCCCGCGCGGGCGCCTCCTCGAGCCAGCCCGGGGTTGGTCTGCCCTCTCTGTCTTCCAGAGAACAGGGACCTCGGGACCCAGAGCCCTCGGGCC	12

AG876-34260-34380	15030555	CCTCGGAGCCAGCCCCGGGGTTGGTCTGCCCTCTCTGTCTTACAGAGAACCCAGGACTCGGGCACCCAGAGCCCTCGGGCCCGCTCCAGGCGCCCTCTGGTCTCCGCTC	8
AG876-35490-35610	15203320	TTTAGCCCCAGCCCGCCTCTATAAGTTCTAGGCCAAACCTCCAATCACCAGCCACCTTCCAATGTAGTCTCTAGAGAGTGGCTGCTACGCATTAGCGAGAGATTTGACCCACACCCAGT	4
AG876-35520-35640	15376085	AGGCAAACCTCCAATCACCAGCCACCTTCCAATGTAGTCTCTAGAGAGTGGCTGCTACGCATTAGCGAGAGATTTGACCCACACCCAGTAGCCACCCGACGCCAATCTGTCTACATAGA	4
AG876-35550-35670	15548850	AATGTAGTCTCTTAGAGAGTGGCTGCTACGCATTAGCGAGAGATTTGACCCACACCCAGTAGCCACCCGACGCCAATCTGTCTACATAGAAGAAGAAGAGGATGAAGACTAAGTCAACAGG	4
AG876-35580-35700	15721615	CATTAGCGAGAGATTTGACCCACACCCAGTAGGACCCCGACGCCAATCTGTCTACATAGAAGAAGAAGAGGATGAAGACTAAGTCAACAGGCTTAGCCAGGTGATTTGTGAATTTCAAGTT	4
AG876-35610-35730	15894380	AGCCACCCGACGCCAATCTGTCTACATAGAAGAAGAAGAGGATGAAGACTAAGTCAACAGGCTTAGCCAGGTGATTTGTGAATTTCAATTTACTTTTCCAATCAAGCTTTCCAG	4
AG876-35760-35880	16067145	TTCCATGGGGACCTAGTATCCGTTTCTATTAGATAAAGTCTGCAAGATACTAAATTAACCAAGGTGACGCCAAGTGAACGCGTGTATTGCCAGGCTGCCACCCCTAGGATTTCCCCAAA	4
AG876-35790-35910	16239910	AGATTAAGTCCGCAAGATACTAAAATTAACCAAGGTGACGCCAAGTGAACGCGTGTATTGCCAGGCTGCCACCCCTGAGGATTTCCCCAAAAATGGGCTGTAGTAGGGTCTCTACCCC	4
AG876-35820-35940	16412675	AAGGTGACGCCAAGTGAACGCGTGTATTGCCAGGCTGCCACCCCTGAGGATTTCCCCAAAAATGGGCTGTAGTAGGGTCTCTACCCCCTTTTAGGCCAGGTGTGTTATTTGTTGT	4
AG876-35850-35970	16585440	AGGCTGCCACCCCTGAGGATTTCCCCAAAAATGGGCTGTAGTAGGGTCTCTACCCCCTTTTAGGCCAGGTGTGTTATTTGTTGTGTAGTGTATGTAATGTGTTGCCGCCAGG	4
AG876-35880-36000	16758205	AATGGGCTGTAGTAGGGTCTCTACCCCCTTTAGGCCAGGTGTGTTATTTGTTGTGTAGTGTATGTAATGTGTTGCCGCCAGGTGCCAGTGTGTTGTAGATGTGCAGCCGCC	4
AG876-35910-36030	16930970	CTCTTTAGGCCAGGTGTGTTATTTGTTGTGTAGTGTATGTAATGTGTTGCCGCCAGGTGCCAGTGTGTTGTTGTAGATGTGCAGCCGCCCTTAATGGTAGGCTGCTTTAGGCGCCA	4
AG876-35940-36060	17103735	GTTAGTGTATGTAATGTGTTGCCGCCAGGTGCCAGCTGTTTGTAGATGTGCAGCCGCCCTAATGGTAGGCTGTCTTTAGGGCTGCCAGGTGCCGCAAACTAGGATTAATCACCTGT	4
AG876-35970-36090	17276500	TGGCAGCTTGTGTTGTAGATGTGCAGCCGCCCTAATGGTAGGCTGTCTTTAGGGCTGCCAGGTGCCGCAAACTAGGATTAATCACCTGTATCCCTTTCCCTCCACCCGAGTAACCTCAG	4
AG876-36270-36390	17449265	GAAACCCCTGACTCTCCGTAATTCACCAAGTCTTACCAGGAACAATATCAAATAATCCATAATTAACCTACAATAATCGTTGTGCGGGAAAAACACTGGGGCACCCGACCCGCCAAC	4
AG876-36300-36420	17622030	ATCCTTACCAGGAACAATATCAAATAATCCATAATTAACCTACAATAATCGTTGTGCGGGAAAAACACTGGGGCACCCGACCCGCCAACCAACCCCCCAACCCCTCCACCTCTCCAC	4
AG876-36330-36450	17794795	CATTAATTAACCTACAATAATCGTTGTGCGGGAAAAACACTGGGGCACCCGACCCGCCAACCAACCCCCCAACCCCTCCACCTCCACCTGCTGGACACAAGAGC	4
AG876-36390-36510	18140325	CACCCCCCAACCCCTCCACCTCTCCACCTGAGCGCAGGGATGCTGGACACAAGAGCCCTTACCCTGATATGAATCCCTGGGCAAGTGAACGCACTCAAGGCCCTCTGGCATCTT	4
AG876-36420-36540	18313090	CTGAGCGCAGGGATGCTGGACACAAGAGCCCTTACCCTGATATGAATCCCTGGGCAAGTGAACGCACTCAAGGCCCTCTGGCATCTTCCATAAAGATGCTTTGCATGGCTCAATACC	4
AG876-36450-36570	18485855	CCTTACCCTGATATGAATCCCTGGGCAAGTGAACGCACTCAAGGCCCTCTGGCATCTTCCATAAAGATGCTTTGCATGGCTCAATACCTCTTAGAAACGCACGGGGCAACAAGGCC	4
AG876-36480-36600	18658620	GTGACGCCAGTCAAGGCCCTCTGGCATCTTCCATAAAGATGCTTTGCATGGCTCAATACCTCTTAGAAACGCACGGGGCAACAAGGCCCTTTAGGCCACTAGGACCAACAACAGCT	4
AG876-36510-36630	18831385	CCATAAAGATGCTTTGCATGGCTCAATACCTCTTAGAAACGCACGGGGCAACAAGGCCCTTTAGGCCACTAGGACCAACAACAGCTCTCAGGTCACCTTGGAACTCAACCTGTCC	4
AG876-36540-36660	19004150	TTCTTAGAAACGCACGGGGCAACAAGGCCCTTTAGGCCACTAGGACCAACAACAGCTCTCAGGTCACCTTGGAACTCAACCTGTCCACAACCCCTCGCCAGGAGCCACCCATCATT	4
AG876-36570-36690	19176915	TTCTTAGGCCACTAGGACCAACAACAGCTCTCAGGTCACCTTGGAACTCAACCTGTCCACAACCCCTCGCCAGGAGCCACCCATCATTGTTACAGAGTCCCGCCGCCCCCGATTCA	4
AG876-36600-36720	19349680	CTCAGGTCACCTTGGAACTCAACCTGTCCACAACCCCTCGCCAGGAGCCACCCATCATTGTTACAGAGTCCCGCCGCCCCCGATTACACCAAGTCCCATGCTAGCCTTAGGACATA	4
AG876-36630-36750	19522445	ACAACCCCTCGCCAGGAGCCACCCATCATTGTTACAGAGTCCCGCCGCCCCCGATTACACCAAGTCCCATGCTAGGACATACTCTCAACCCACACCCACCAAGGCCCTA	4
AG876-36660-36780	19695210	TGTTACAGAGTCCCGCCGCCCCCGATTACACCAAGTCCCATGCTAGGACATACTCTCAACCCACACCCACCAAGGCCCTACTCTCTCAACCCAGAATACCACTGATAA	4
AG876-36690-36810	19867975	CACCAAGTCCCATGCTAGCCTTAGGACATACTCTCAACCCACACCCACCAAGGCCCTACTCTCTCAACCCAGAATACCACTGATAAATACCAACAGGCACTAATCAACAGCCA	4
AG876-36720-36840	20040740	CTCTCAACCCACACCCACCAAGGCCCTACTCTCTCAACCCAGAATACCACTGATAAATACCAACAGGCATACTAATCAACCCAGCCACAACACCCACCCAGGCCACAAGGCTCA	4
AG876-36750-36870	20213505	CTCTCTCAACCCAGAATACCACTGATAAATACCAACAGGCATACTAATCAACCCAGCCACAACACCCACCCAGGCCACAAGGCTCACACTAGGGCATCAACTAAGTCTACCACCCG	4
AG876-36780-36900	20386270	TACCACCAAGGCATACTAATCAACCCAGCCACAACACCCACCCAGGCCACAAGGCTCACACTAGGGCATCAACTAAGTCTACCACCCGATCCTCCCCGATCAGAGCACCACCAT	4
AG876-36810-36930	20559035	CAACACCCACCCAGGCCACAAGGCTCACACTAGGGCATCAACTAAGTCTACCACCCGATCCTCCCCGATCAGAGCACCACATTGTAGTCTGATAGTACAGGACTCCCTCCAC	4
AG876-36840-36960	20731800	CACTAGGGCATCAACTAAGTCTACCACCCGATCCTCCCCGATCAGAGCACCACCATGTAGTCTGATAGTACAGGACTCCCTCCACCTCCACATCTTACAGACTTCTCTATGA	4
AG876-36870-36990	20904565	ATCCTCCCGCATCAGAGCACCACATTGTAGTCTGATAGTACAGGACTCCCTCCACCTCCACATCTTACAGACTTCTCTATGACATATCCCCGAACCATTTGCCGCCACCAG	4
AG876-36900-37020	21077330	GTAGTCTGATAGTACAGGACTCCCTCCACCTCCACATCTTACAGACTTCTCTATGACATATCCCCGAACCATTTGCCGCCACCAGCAGCACCAGCACCACCCCTCCAGGTGTCA	4
AG876-36930-37050	21250095	CTCCACATCTTACAGACTTCTCTATGACATATCCCCGAACCATTTGCCGCCACCAGCAGCACCAGCACCACCCCTCCAGGTGTCAATTTAGACCAACAAGCACTTCTCCAAC	4
AG876-36960-37080	21422860	CATTATCCCCGAACCATTTGCCGCCACCAGCAGCACCAGCACCACCCCTCCAGGTGTCAATTTAGACCAACAAGCACTTCTCCAACCTCCAGGCCACCATGGTGGCCACTGTCCGG	4
AG876-36990-37110	21595625	CAGCACCAGCACACCCCTCCAGGTGTCAATTTAGACCAACAAGCACTTCTCCAACCTCCAGGCCACCATGGTGGCCACTGTCCGCGACCCCAACCACTCAGACTCCACCAA	4
AG876-37020-37140	21768390	TTTATGACCAACAAGCACTTCTCCAACCTCCAGGCCACCATGGTGGCCACTGTCCGCGACCCACGCCAACCCTCAGACTCCACCAACAATAACGAAACAGGGCCCGGACAGGGCC	4
AG876-37050-37170	21941155	CAGGGCCACCATGGTGGCCACTGTCCGCGACCCACGCCAACCCTCAGACTCCACCAACAATAACGAAACAGGGCCCGGACAGGGCCAGGGAAGGGGCAGGTGGCGGGCAGGGGCA	8
AG876-37080-37200	22113920	ACCCACGCCAACCCTCAGACTCCACCAACAATAACGAAACAGGGCCCGGACAGGGCCAGGGGAAGGGGCAGGTGGCGGGCAGGGGCAGAAGCAAGGGCAGGGGCAGAAATGCACAAAC	4
AG876-37110-37230	22286685	CAAATACGAAACAGGGCCCGGACAGGGCCAGGGGAAGGGGCAGGTGGCGGGCAGGGGCAGAAGCAAGGGCAGGGGCAGAATGCACAACTTCTGAACCAGGAGACAGGGCCAGACA	4
AG876-37140-37260	22459450	AGGGGAAGGGCAGGTGGCGGGCAGGGGCAGAAGCAAGGGCAGGGGCAGAATGCACAACTTCTGAACCAGGAGACCCAGGGCCAGACACTCCAGTCTGATGCCTCAATTAAGT	4
AG876-37170-37290	22632215	GAAGCAAGGGCAGGGCAGAAATGCACAACTTCTGAACCACGGAGACCAGGGCCAGACTTCCAGTCTAGTATGCCTCAATTAAGTCCGGTGTGAGTCTTATCAGGGACAGGGGC	4
AG876-37200-37320	22804980	TTCTGAACCAGGAGACCAGGGCCAGACTTCCAGTCTAGTATGCCTCAATTAAGTCCGGTGTGAGTCTTATCAGGGACAGGGCCCTGAGAAGTCAACACCCCGGCCGCTA	4
AG876-37230-37350	22977745	CTCCAGTCTAGTATGCCTCAATTAAGTCCGGTGTGAGTCTTATCAGGGACAGGGGCCTGAGAAGTCAACACCCCGGCCGCTCAGGGCCGGCCCGTGTAGAGTGAACACTT	4
AG876-37260-37380	23150510	CGGTTGTAGTCTTATCAGGGACAGGGCCCTGAGAAGTCAACCAACCCCGGCCCTCAGGGCCGGCCCGTGTAGTGAACACTTCAACCAACCCCTGACATTTCAACCAATACAT	4
AG876-37290-37410	23323275	CTGAGAAGTCAACCAACCCCGGCCGCTCAGGGCCGGCCGCTGTAGAGTACACTTCAACCAACCCCTGACATTTCAACCAATACATGAACCAAGTCTCTGATAGTGAAGAAGACCC	4
AG876-37320-37440	23496040	CGGCGGCCCGTCTGTAGAGTACACTTTCAGCAACCCCTGACATTTCAACCAATACATGAACCAAGTCTCTGATAGTGAAGAAGACCCCTTCTTCTCCAGTGTATGGTATCCT	4
AG876-37350-37470	23668805	CAGCAACCCCTGACATTTCAACCAATACATGAACCAAGTCTCTGATAGTGAAGAAGACCCCTTCTTCTCCAGTGTATGGTATCCTCAACGTTAGAAGTGCAGAAATAGATGAAA	4
AG876-37380-37500	23841570	AACCAGAGTCTCTGATAGTGAAGAAGACCCCTTCTTCTCCAGTGTATGGTATCCTCAACGTTAGAAGTGCAGAAATAGATGAAGTGGGAGGGCATTGTTGAACAACAGAAT	4

AG876-37410-37530	24014335	CCTTTCTCTCCCCAGTGATTGGTATCCTCCAACGTAGAACCTGCAGAATTAGATGAAAGTTGGGAGGGCATTTTTGAACAACAAGAATCTCATAGCTCTGATGAAGAGAATGTAGGGG	4
AG876-37440-37560	24187100	CAACGTTAGAACCCTGCAGAATTAGATGAAAGTTGGGAGGGCATTTTTGAACAACAAGAATCTCATAGCTCTGATGAAGAGAATGTAGGGGGGGCTAGTAAAAGACCTCGCACCTCCACTC	4
AG876-37470-37590	24359865	GTTGGGAGGGCATTTTTGAACAACAAGAATCTCATAGCTCTGATGAAGAGAATGTAGGGGGGGCCTAGTAAAAGACCTCGCACCTCCACTCAGTAAAAGACCTTACTCTCCAGTAATCA	4
AG876-37500-37620	24532630	CTCATAGCTCTGATGAAGAGAATGTAGGGGGGCCTAGTAAAAGACCTCGCACCTCCACTCAGTAAAAGACCTTACTCTCCAGTAAATCAATGTATCCAAATAAATGTTAATGATTTTG	4
AG876-37530-37650	24705395	GGCCTAGTAAAAGACCTCGCACCTCCACTCAGTAAAAGACCTTACTCTCCAGTAAATCAATGTATCCAAATAAATGTTAATGATTTTGTCTTAACATATTGACCCGCTGTCACTTA	4
AG876-37560-37680	24878160	AGTAAAAGACCTTACTCTCCAGTAAATCAATGTATCCAAATAAATGTTAATGATTTTGTCTTAACATATTGACCCGCTGTCACTTATAAATAACAGGGAAGCTATGTTTAGCT	4
AG876-37590-37710	25050925	ATGTATCCAAATAAATGTTAATGATTTTGTCTTAACATATTGACCCGCTGTCACTTATAAATAACAGGGAAGCTATGTTTAGCTATTCCACCAACTGCACCAATGCCAGCAGCC	4
AG876-37620-37740	25223690	TTCTTAACATATTGACCCGCTGTCACTTATAAATAACAGGGAAGCTATGTTTAGCTATTCCACCAACTGCACCAATGGACAGCCAAAATTGGTGCCTTGCTCACAGCTCTTTTT	4
AG876-37650-37770	25396455	TTAATAACAGGGAAGCTATGTTTAGCTATTCCACCAACTGCACCAATGGACAGCCAAAATTGGTGCCTTGCTCACAGCTCTTTTTGCCAGTGGCTTACAGCCAGTAGGCAGCTC	4
AG876-37680-37800	25569220	ATCCACCAACTGCACCAATGGACAGCCAAAATTGGTGCCTTGCTCACAGCTCTTTTTGCCAGTGGCTTACAGCCAGTAGGCAGCTCAGAAAAGTTAGCTATTCCACCAACCCGGC	4
AG876-37710-37830	25741985	AAAATTGGTGCCTTGCTCACAGCTCTTTTTGCCAGTGGCTTACAGCCAGTAGGCAGCTCAGAAAAGTTAGCTATTCCACCAACCCGGCCCAATGAATGCTTGCCAAAATTGGGSCCT	4
AG876-37740-37860	25914750	GCCAGTGGCTTACAGCCAGTAGGCAGCTCAGAAAAGTTAGCTATTCCACCAACCCGGCCCAATGAATGCTTGCCAAAATTGGGSCCTTGCTTCCAGCATTGCCAGCAGCTTATAG	4
AG876-37770-37890	26087515	AGAAAAGTTAGCTATTCCACCAACCCGGCCCAATGAATGCTTGCCAAAATTGGGSCCTTGCTTCCAGCATTGCCAGCAGCTTATAGCATGGTAGGCCGCTCAACTCGGCTGTCTT	4
AG876-37800-37920	26260280	CCCAATGAATGCTTGCCAAAATTGGGGCCTTGCTTCCAGCATTGCCAGCAGCTTATAGCATGGTAGGCCGCTCAACTCGGCTGTCTTACTGCCAGCTACTCTCCACTCCAGTCC	4
AG876-37830-37950	26433045	TGCTTCCAGCATTGCCAGCAGCTTATAGCATGGTAGGCCGCTCAACTCGGCTGTCTTACTGCCAGCAGCTACTCTCCACTCCAGTCCATGTTGCGACTCCTATGCATTCTCTCCCT	4
AG876-38370-38490	26605810	GGGTGGGGGTGGCCCGCTGGGCACCGCTGCGCCGCCAGGTCCAGGGGACGCGGGGTTCTGCGCTCCGGGGGACGCGGGCGCCGGTGGTCCGCTGGGCCGTGCCCC	12
AG876-38400-38520	26778575	GCGCCGCCAGGTCCAGGGGACGCGGGGTTCTGCGCTCCGGGGGACGCGGGCGCCGGTGGTCCGCTGGGCCGTGCCCCGCTCCGGGTGGGGGTGGCCCGCTGGCC	12
AG876-38430-38550	26951340	GTTCTGCGCTCCGGGGGACGCGGGGCGCCGGTGGTCCGCTGGGCCGTGCCCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCGCTGCGCCGCCAGGTCCCTGGGGCAG	12
AG876-38760-38880	27124105	CCGCTGGGCACCGCTGCGCCGCCAGGTCCGGGGACGCGGGTCTGCGCTCCGGGGGACGCGGGCGCCGGTGGTCCGCTGGGCCGTGCCCCGCTCCGGGTGGGGGG	12
AG876-38790-38910	27296870	CCTGGGGACGCGGGGTTCTGCGCTCCGGGGGACGCGGGCGCCGGTGGTCCGCTGGGCCGTGCCCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCGCTGCGCCGCCCG	16
AG876-38910-39030	27469635	CAGTCCAGGGGACGCGGGGTTCTGCGCTCCGGGGGACGCGGGGCGCCGGTGGTCCGCTGGGCCGTGCCCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCGCTGCGCC	12
AG876-39270-39390	27642400	CCGCTGCGCCGCCAGGTCCAGGGGACGCGGGGTTCTGCGCTCCGGGGGACGCGGGCGCCGGTGGTCCGCTGGGCCGTGCCCCGCTCCGGGTGGGGGTGGCCCGCTGGCC	12
AG876-39300-39420	27815165	CCGGGTCTGCGCTCCGGGGGACGCGGGGCGCCGGTGGTCCGCTGGGCCGTGCCCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCGCTGCGCCGCCAGGTCTCTGG	12
AG876-39510-39630	27987930	CCGCTGGGCACCGCTGCGCCGCCAGGTCCGGGGACGCGGGTCTGCGCTCCGGGGGACGCGGGCGCCGGTGGTCCGCTGGGCCGTGCCCCGCTCCGGGTGGGGGG	12
AG876-39540-39660	28160695	CCTGGGGACGCGGGGTTCTGCGCTCCGGGGGACGCGGGCGCCGGTGGTCCGCTGGGCCGTGCCCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCGCTGCGCCGCCCG	16
AG876-39570-39690	28333460	GGGGACGCGGGGCGCCCGGTGGTCCGCTGGGCCGTGCCCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCGCTGCGCCGCCAGGTCCAGGGGACGCGGGGTTCTGGCG	12
AG876-39600-39720	28506225	CTGGCCGCTGCCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCGCTGCGCCGCCAGGTCCAGGGGACGCGGGGTTCTGCGCTCCGGGGGACGCGGGCGCCGGTGGTGG	12
AG876-39630-39750	28678990	TGGCCCGCTGGGCACCGCTGCGCCGCCAGGTCCGGGGGACGCGGGGTTCTGCGCTCCGGGGGACGCGGGCGCCGGTGGTCCGCTGGGCCGTGCCCCGCTCCGGGTGGGGGTGGCC	12
AG876-39660-39780	28851755	CAGTCCAGGGGACGCGGGGTTCTGCGCTCCGGGGGACGCGGGGCGCCGGTGGTCCGCTGGGCCGTGCCCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCGCTGCGCC	12
AG876-39690-39810	29024520	CTCCGGGGGACGCGGGGCGCCCGGTGGTCCGCTGGGCCGTGCCCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCGCTGCGCCGCCAGGTCCCTGGGGACGCGGGG	12
AG876-39810-39930	29197285	TGGCCTCCGGGGGACGCGGGGCGCCCGGTGGTCCGCTGGGCCGTGCCCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCGCTGCGCCGCCAGGTCCCTGGGGACGCGGGG	16
AG876-39840-39960	29370050	GGTGGTCCGCTGGGCCGTGCCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCGCTGCGCCGCCAGGTCCAGGGGACGCGGGGTTCTGCGCTCCACTGCACCTGGAATGC	12
AG876-78240-78360	29542815	TTGGGGTAGTCACTGCTGGGTGGGGCTGGTGGCATTGGGGTTGGGGTAGTCACTGCTGAGGTGGGACTTGTTCCTCCAAAGTGGGGCTGGTGGCATTGGGGTTGGGGTAGTCACTG	4
AG876-78270-78390	29715580	TGGCATTGGGGTTGGGGTAGTCACTGCTGAGTGGGACTTGTTCCTCCAAAGTGGGGCTGGTGGCATTGGGGTTGGGGTAGTCACTGCTGGGGTGGGGCTGGTGGCATTGGGGTTG	4
AG876-80040-80160	29888345	CCGGGTCTCCCGCCCGGATGACAACATAGAAGAAGTACCATCTACCTCGGGTGTTCAGGAACGGGCGTCTGAGGGAGATTGGGAAAATGTCTCATAGAGATATCAGATAGCAGCTCA	4
AG876-80070-80190	30061110	GAAGAAGTACCATCTACCTCGGGTGTTCAGGAACGGGCGTCTGAGGGAGATTGGGAAAATGTCTCATAGAGATATCAGATAGCAGCTCAGAAGAGGAAGCAGAAGTCCACCTGGAG	4
AG876-80100-80220	30233875	GAACGGGCGTCTGAGGGAGATTGGGAAAATGTCTCATAGAGATATCAGATAGCAGCTCAGAAGAGGAAGCAGAAGTCCACCTGGAGCCATCCAGAGGGGTAAGAAAGAAAACGG	4
AG876-80130-80250	30406640	GTCCCTCATAGAGATATCAGATAGCAGCTCAGAAGAGGAAGCAGAAGATGCCACCTGGAGCCATCCAGAGGGGTAAGAAAGAAAACGGTTCATGATGATGCGGGTGGTTACGCTCA	4
AG876-80160-80280	30579405	GAAGAGGAAGCAGAAGATGCCACCTGGAGCCATCCAGAGGGGTAAGAAAGAAAACGGTTCGATGATGATGCGGGTGGTTACGCTCCAGCACAACAGTGCACCCCTCAGCTGGAT	4
AG876-80190-80310	30752170	CCATCCCAGAGGGGTAAGAAAGAAAACGGGTCGATGATGATGCGGGTGGTTACGCTCCAGCACAACAGTGCACCCCTCAGCTGGATCACCTGGTGGAGAAGCATTCTCTACAGG	4
AG876-80220-80340	30924935	GTCCATGATGATGCGGGTGGTTACGCTCCAGCACAACAGTGCACCCCTCAGCTGGATCACCTGGTTCAGAGGCAATCTCTACAGGTTCCGCTAGATTTAAGAAGGTTATTCAA	4
AG876-80250-80370	31097700	GCACAACAGTGCACCCCTCAGCTGGATCACCTGGTTCGAGAAGCCATTCTACAGGTTCCGCTAGATTTAAGAAGGTTATTCAAGCAATGGAGCCGACGCTACGGTGAGCTTC	4
AG876-80280-80400	31270465	CACCTGGTTCAGAGCCATTCTACAGTTCCGCTAGATTTAAGAAGGTTATTCAAGCAATGGAGCCGACGCTACGGTAGCTTCCCTATGGCCAGGTGTGATGATGTTT	4
AG876-80310-80430	31443230	TTTCCGCTAGATTTAAGAAGGTTATTCAAGCAATGGAGCCGACGCTACGGTGAGCTTCCCTATGGCCAGGTGTGATGATGTTTGGCCATCGCACAACAAGTAAAGTATTG	4
AG876-80340-80460	31615995	GCAATTGGAGCCGACGCTACGGTGAGCTTCCCTATGGCCAGGTGTGATGATGTTTGGCCATCGCACAACAAGTAAAGTATTGTTGCCGTTGGTTTTCAGCAGCCCGACAGCGG	4
AG876-80370-80490	31788760	CCTATGGCCAGGTGTGATGATGTTTGGCCATCGCACAACAAGTAAAGTATTGTTGCCGTTGGTTTACGACCCCGACAGCCAGGCATAGACCAGTTTTTCGGATCCAGAT	4
AG876-80400-80520	31961525	TGCCCATCGCACAACAAGTAAAGTATTGTTGCCGTTGGTTTACGACCCCGACAGCCATAGACCAGTTTTTCGGATCCAGATTTCAAATACCCAGCTGACGTAATGATGC	4
AG876-80430-80550	32134290	TGGCGTGGTTTCAGACCCCGACAGCCGACATAGCCAGTTTTTCGGATCCAGATTTCAAATACCCAGCTGACGTAATGATGATGATGTTTTCAGCAGCCAGCCATGAGATCGG	4
AG876-80460-80580	32307055	AGCCATAGACCAGTTTTTCGGATCCAGATTTCAAATACCCAGCTGACGTAATGATGTTTTCGGATCCAGATTTCAAATACCCAGCTGACGTAATGATGATGATGTTTTCAGCAGCCAG	4
AG876-80580-80700	32479820	GGTCAAATGGAGAATGACCACCTGGCCGCTGGTTGGCCTATGGGTTACAGGCATACAGTAGCTGGATGATGATGATGATGTTTGGCCATCGCACAACAAGTAAAGTATTGTTGCCG	4
AG876-80610-80730	32652585	TGGTTGGCCTATGGGTTACAGGCATACAGTAGCTGGATGTACAGCTACCCGATCCCGAGTACTGCCAGATCATACTGTCAGGCGACTTGGGTGCGCAAGTGGCCGTAGGTG	4

AG876-80640-80760	32825350	TAGCTGGATGTACAGCTACACCGATCCCAGGTGACTGCCAGCATACATACCTGCAGGCGACTCTGGGTGCGCAAGTGGCCGTAGGTGTACATGTGACCTTTCTGCCGGCACCTTTAG	4
AG876-80670-80790	32998115	GGTGA CTGCCACGATCATACTCTGCAGGCGACTCTGGGTGCGCAAGTGGCCGTAGGTGTACATGTGACCTTTCTGCCGGCACCTTTAGGCCGCCGCGATGTAGTCCCGGGATCGCCA	4
AG876-80700-80820	33170880	GACTCTGGGTGCGCAAGTGGCCGTAGGTGTACATGTGACCTTTCTGCCGGCACCTTTAGGCCGCCGCGATGTAGTCCCGGGATCGCCAGTGGTGTATGTTCCAGAGCCCGTGGGTGA	4
AG876-80730-80850	33343645	TCATTGTACCTTTCTGCCGGCACCTTTAGGCCGCCGCGATGTAGTCCCGGGATCGCCAGTGGTGTATGTTCCAGAGCCCGTGGGTGACCTTTGTGCAGAGTTCTAATCCATGCTACAG	4
AG876-80760-80880	33516410	GCCCGCCGATGTAGTCCCGGGATCGCCAGTGGTGTATGTTCCAGAGCCCGGTGGGTGACCTTTGTGCAGAGTTCTAATCCATGCTACAGTATTTCTTTGACTACATGGCCATACATAG	4
AG876-80790-80910	33689175	GTGGTTGTATGTTCCAGAGCCCGTGGGTGACCTTTGTGCAGAGTTCTAATCCATGCTACAGTATTTCTTTGACTACATGGCCATACATAGGAGCCCTCACAAAACTGGGATGAAGTGT	4
AG876-80820-80940	33861940	CCTGTGCAGAGTTCTAATCCATGCTACAGTATTTCTTTGACTACATGGCCATACATAGGAGCCCTCACAAAACTGGGATGAAGTGGTAAACACCTGATCAGCGTGTACATTATGGA	4
AG876-80850-80970	34034705	TATTTCTTTGACTACATGGCCATACATAGGAGCCCTCACAAAACTGGGATGAAGTGGTAAACACCTGATCAGCGTGTACATTATGGAATTCCTGGGCTTTTTCGCAACGACCGGAGTT	4
AG876-80880-81000	34207470	GAGCCTCACAAAACTGGGATGAAGTGGTAAACACCTGATCAGCGTGTACATTATGGAATTCCTGGGCTTTTTCGCAACGACCGGAGTTGGTCTACATCAAGAGCTTTGTGAGCTATGC	4
AG876-80910-81030	34380235	AACACCTGATCAGCGTGTACATTATGGAATTCCTGGGCTTTTTCGCAACGACCGGAGTTGGTCTACATCAAGAGCTTTGTGAGCTATGCCTTTGGGCACCTAGTATCGAAACACCGTG	4
AG876-80940-81060	34553000	ATTCTGGGCTTTTTCGCAACGACCGGAGTTGGTCTACATCAAGAGCTTTGTGAGCTATGCCTTTGGGCACCTAGTATCGAAACACCGTGGATGGATGAGAATCCTAGCACAGACGACGGC	4
AG876-80970-81090	34725765	GGTCTACATCAAGAGCTTTGTGAGCTATGCCTTTGGGCACCTAGTATCGAAACACCGGATGGATGGATGAGAATCCTAGCACAGACGACGGCCTGGAATTCCTCGTGTAGTGTCCAGGATGGA	4
AG876-81000-81120	34898530	CTTGGGCACCTAGTATCGAAACACCGTGGATGGATGAGAATCCTAGCACAGACGACGGCACAGGCTTGAATGCGGCTTGTCTCCGGGGCGTGCCTACGGGCAAGACTTGTCTAGAAC	4
AG876-81030-81150	35071295	GATGGATGAGAATCCTAGCACAGACGACGGCACAGGCTTGAATGCGGCTTGTCTCCGGGGCGTGCCTACGGGCAAGACTTGTCTAGAATGGAAGGAGAATGCGGAGAGTGTACCTG	4
AG876-81060-81180	35244060	ACAGGCTTGAATGCGGCTTGTCTCCGGGGCGTGCCTACGGGCAAGACTTGTCTAGAATGGAAGGAGAATGCGGCAAGTGTCTACCTGTGAAACACGGGAAGAAAGTGAAGACACAGA	4
AG876-81090-81210	35416825	GCGTGCCTACGGGCAAGACTTGTCTAGAATGGAAGGAGAATGCGGCAAGTGTCTACCTGTGAAACACGGGAAGAAAGTGAAGACACAGAGAGCGATGGGGATGATGAAGAACTTCTCTG	4
AG876-81120-81240	35589590	TGAAGGAGAACATGCGAAGTGTCTACCTGTGAAACACGGGAAGAAAGTGAAGACACAGAGAGCGATGGGGATGATGAAGAACTTCTCTGTGTAGTGTCCAGGATGGAACCTAAGCACAG	4
AG876-81150-81270	35762355	TGAAACACGGGAAGAAAGTGAAGACACAGAGAGCGATGGGGATGATGAAGAACTTCTCTGTGTAGTGTCCAGGATGGAACCTAAGCACAGACGACCCCTATATTTTAAAGACCGCTGCA	4
AG876-81180-81300	35935120	GAGCGATGGGGATGATGAAGAACTTCTCTGTGTAGTGTCCAGGGATGGAACCTAAGCACAGACGACCCCTATATTTTAAAGACCGCTGCACAGTGTCTGTTGATGAGAGCGGGCAAGG	4
AG876-81210-81330	36107885	TGTAGTGTCCAGGATGGAACCTAAGCACAGACGACCCCTATATTTTAAAGACCGCTGCACAGTGTCTGTTGATGAGAGCGGGCAAGGAAAGAAAGACGGGCGAGGACACTGGCGAA	4
AG876-81240-81360	36280650	ACGACCCCTATATTTTAAAGACCGCTGCACAGTGTCTGTTGATGAGAGCGGGCAAGGAAAGAAAGACGGGCGGAGACACTGGCGAAGGCCCTTAGGGCCTTATGGCACACCTAG	4
AG876-81270-81390	36453415	CAGTTGCTGTGATGAGAGCGGGCAAGGAAAGGAAAGGACGGGCGAGGAGACACTGGCCAGGCTTATGGCACACTAGGCCCGCAGTTAGGCCCGCAGTTAGAACCAAGACCAAGGAT	4
AG876-81300-81420	36626180	AAAGGAAACGGGCAAGGAGACACTGGCGAAGGCCCTTAGGCGCCTTATGGCACACTAGGCCCGCAGTTAGAACCAAGACCAAGGATCCTCGCAAGGCTATGAGACAGCTACCAAGTCA	4
AG876-81330-81450	36798945	GGCCCTAGGCGCCTTATGGCACACTAGGCCCGCAGTTAGAACCAAGACCAAGGATCCTCGCAAGGCTATGAGACAGCTACCAAGTCAAGGATCCTCGCAAGGCTATGAGACAGCTACCAAGTCA	4
AG876-81360-81480	36971710	GCCGCGAGTTCAGAAACCAAGACCAAGGATCCTCGCAAGGCTATGAGACAGCTACCAAGTCAAGGATCCTCGCAAGGCTATGAGACAGCTACCAAGTCAAGGATCCTCGCAAGGCTATGAGACAGCTACCAAGTCA	4
AG876-81390-81510	37144475	CCCGCAAAGCTATGAGACAGCTACCAAGTCAAGGATCCTCGCAAGGCTATGAGACAGCTACCAAGTCAAGGATCCTCGCAAGGCTATGAGACAGCTACCAAGTCAAGGATCCTCGCAAGGCTATGAGACAGCTACCAAGTCA	4
AG876-81420-81540	37317240	GCGGTCGGGCAAGTCCAGAACCCCAACCCCACTTACATCAGAACACACAGCATGGCCCGTGTATGGTAGCTCAGAACCCACGTGCACCTTAGGGGACCACTCCAGGTGT	4
AG876-81450-81570	37490005	CACCCACCTTACATCAGCAACACACAGCATGGCCCGTGTATGGTAGCTCAGAACCCACGTGCACCTTAGGGGACCACTCCAGGTGTCTAAAGATGGACGAGGGGCGTGTGACCC	4
AG876-81480-81600	37662770	GGCCCGTGTATGGTAGCTCAGAACCCACGTGCACCTTAGGGGACCACTCCAGGTGTCTAAAGATGGACGAGGGGCGTGTGACCCGTTACCCGCTGGCCGGGCTATTGTCCG	4
AG876-81510-81630	37835535	TGCACCTTAGGGGACCACTCCAGGTGTCTAAAGATGGACGAGGGGCGTGTGACCCGTTACCCGCTGGCCGGGCTATTGTCCGCGCTGGGAGTGTACCTGTTACAGTCTCC	4
AG876-81540-81660	38008300	TCCTAAAGATGGACGAGGGGCGTGTGACCCGTTACCCGCTGGCCGGGCTATTGTCCGCGCTGGGAGTGTACCTGTTACAGTCTCCGGGAAGGGCTTTGACCCGTTAGCCACA	4
AG876-81600-81720	38353830	GCCCTGGGAGTGTACCTGTACAGTCTCCGGGAAGGGCTTTGACCCGTTAGCCACAACCCATGCCAGTAGAACCCGTCCTGTCTACTGTGACACTGAGCGACCACTTTGTCC	4
AG876-81630-81750	38526595	GGAAGGGCTTTGACCCGTTAGCCACAACCCATGCCAGTAGAACCCGTCCTGTCTACTGTGGCACTGAGCGACCACTTTGTCGCGACCTCCTGAGATTGCTATGACGGGCC	4
AG876-81660-81780	38699360	ACCATGCCAGTAGAACCCGTCCTGTCCCTACTGTGGCACTTGGCGACCACTTTGTCGCGACCTCCTGAGATTGCTATGACGGGCGGGGGAACCTTCTGGCATTAAACGCACACG	4
AG876-81690-81810	38872125	TACTGTGGCACTTGAAGCAGGATTTGTCCCGCACCTCCTGAGATTGCTATGACGGGCGGGGGAACCTTTGGCATTAAACGCACACGCGGAGCGTGGAGGCCCGCACCGTGGACGCC	4
AG876-81720-81840	39044890	CGCACCTCCTGAGATTGCTATGACGGGCGGGGGAACCTTTGGCATTAAACGCACACGCGGAGCGTGGAGGCCCGACCGTGGACGCCAAACCCACCCCGCTCTCCAGTCAAGTGTG	4
AG876-81780-81900	39390420	GGAGCGTTGGAGGCCCGCACCGTGGAGGCCAAACCCACCCCGCTCTCCAGTCAAGTGTCCGTCGCTGACCGTGTGCTGCTTTGCGTGTGAGGCACAGGCCCGTCAAGGTGTG	8
AG876-81810-81930	39563185	AAACCCACCCCGCTCTCCAGTCAAGTGTCCGTCGCTGACCGTGTGCTCTGTTGCGTGTGAGGCACAGGCCCGTCAAGGTGTGAGTGTGAGGCGCCACCCAGTTGACCAAGTATC	4
AG876-81960-82080	39735950	ACCAGAGCAGCAGATGTTCCCTGGTCCCTTTAGCCAGGTCGCTGATGTTGCCGGGAATCTGGGGTACCTGCAATGCAGCCTCAGTACTTTGACCTCCCTTAACTCAACCCATTAG	4
AG876-81990-82110	39908715	CTTTAGCCAGTGTGCTGATGTTGCCGGGAATCTGGGGTACCTGCAATGCAGCCTCAGTACTTTGACCTCCCTTAACTCAACCCATTAGCCAGGGGCGACCCGCGGCCCGCTTGGAGGC	4
AG876-82020-82140	40081480	ATCTGGGTACTGCAATGACGCTCAGTACTTTGACCTCCCTTAACTCAACCCATTAGCCAGGGGCGACCCGCGGCCCGCTTGGAGGCTAGTATGGCCCGGTACCTCCGATACCGGC	4
AG876-82050-82170	40254245	CTTTGACCTCCCTTAACTCAACCCATTAGCCAGGGGCGACCCGCGGCCCGCTTGGAGGCTAGTATGGGCCGCTACCTCCGTTACCGGCAACACAGCCACAGTATTTGACATCCCT	4
AG876-83640-83760	40427010	CAGAGGCGGTGGAAGCTCCTGTACCTATACAGAACCTGGCGTATGGTACCCTAGCAGCAAAACCCCTCAATGTAACAGTATTTGAGACAGGGGAGATAAAGTCCACCCACTCCTTGTGACT	4
AG876-83670-83790	40599775	AGAACCTGGCGTATGGTTACCGTACGCAAAACCCCTCAATGTAACAGTATTTGAGACAGGGGAGATAAAGTCCACCCACTCCTTGTGACTGCTACGCTAGGATGTAAGAGGGCCTGCGG	4
AG876-83700-83820	40772540	ACCCTCAATGTAACAGTATTTGAGACAGGGGAGATAAAGTCCACCCACTCCTTGTGACTGCTACGCTAGGATGTAAGAGGGCTGCGGCATGCAATAACTTACAGTGTGCAATTGTA	4
AG876-83730-83850	40945305	GGAGATAAAGTCCACCCACTCCTGTGACTGCTACGCTAGGATGTAAGAGGGCTGCGGCATGCAATAACTTACAGTGTGCAATTGACAGCTACACGAATGTGAGACCAAAACCAA	4
AG876-83760-83880	41118070	GCTACGCTAGGATGTAAGAGGGCTGCGGCATGCAATAACTTACAGTGTGCAATTGACAGTACCCAGGATGTCAGACCAAAACCAAAAGATGAAACAGCCCTTCTTGTAGGCACGT	4
AG876-83790-83910	41290835	CATGCAATAACTTACAGTGTGCAATTGACAGTACCCAGCAATGTCAGACCAAAACCCCTCAATGTAACAGTATTTGAGACAGGGGAGATAAAGTCCACCCACTCCTTGTGACTGCTACGCTAGGATGTAAGAGGGCTGCGGCATGCAATAACTTACAGTGTGCAATTGTA	4
AG876-83820-83940	41463600	CAGCTACACGAATGTGACGCAAAACCAAAAGATGAAACAGCCCTTCTTGTGACTGCTACGCTAGGATGTAAGAGGGCTGCGGCATGCAATAACTTACAGTGTGCAATTGTA	4
AG876-84000-84120	41636365	TTTGTAGGATGGCTATGTAAGAGGACCACTCATATACGTGAATGTTCCGCGAGTGCACCCGGGAGACCCTCACCATCAAGCCATGGATGAGAGCGCATCCCGTCCGCTTCTTAT	4
AG876-84030-84150	41809130	ACTCATATACGTGAATGTTCCGCGAGTGCACCCGGGAGACCCTCACCATCAAGCCATGGATGAGAGCGCATCCCGTCCGCTTCTTATGACGATCATTAAACAGTGAAGGACTGAC	4

AG876-84060-84180	41981895	ACCGGGAGACCCTCACCATCCAAGCCATGGATGAGAGCGCATCCCGTGCCTTCTTATGACGATCCATTAACAAGTGAGGAGACTGACCTGGCCTATGCCCGTGGACTGGCCATGAGT	4
AG876-84090-84210	42154660	ATGAGAGCGCATCCCGTCCCGTCTTATGACGATCCATTAACAAGTGAGGAGACTGACCTGGCCTATGCCCGTGGACTGGCCATGAGTATCGAGGCTGCTAGACTGCCAGATGATCCA	4
AG876-84120-84240	42327425	GACGATCCATTAACAAGTGAGGAGACTGACCTGGCCTATGCCCGTGGACTGGCCATGAGTATCGAGGCTGCTAGACTGCCAGATGATCCAATAATTGTTGAGGATGACGATGAAAGTGAG	4
AG876-84150-84270	42500190	CTGGCCTATGCCCGTGGACTGGCCATGAGTATCGAGGCTGCTAGACTGCCAGATGATCCAATAATTGTTGAGGATGACGATGAAAGTGAGAAATGAAGATAAATGTGATAAGGATGAA	4
AG876-84180-84300	42672955	ATCGAGGCTGCTAGACTGCCAGATGATCCAATAATTGTTGAGGATGACGATGAAAGTGAGGAAATGAAGATAAATGTGATAAGGATGAAGAGGAAAGTGAACCGGAAGATGTTACAACG	4
AG876-84210-84330	42845720	ATAATTGTTGAGGATGACGATGAAAGTGAGGAAATGAAGATAAATGTGATAAGGATGAAGAGGAAAGTGAACCGGAAGATGTTACAAGCATACCGCAACACTGCCGCACAGTCCAAC	4
AG876-84240-84360	43018485	GAAATTAAGATAAATGTGATAAGGATGAAGAGGAAAGTGAAGAGGAAAGATGTTACAAGCATACCGCAACACTGCCGCACAGTCCAACAGATACCGGACAGCCCTCGGTGTTTTACCGA	4
AG876-84270-84390	43191250	GAGGAAAGTGAACCGGAAGATGTTACAAGCATACCGCAACACTGCCGCACAGTCCAACAGTATACGGCAGGCCCTCGGTGTTTTACCAGAAAGCCAGATACTAAATCAACCAAAAAATGC	4
AG876-84300-84420	43364015	ATACCGCAACACTGCCGCACAGTCCAACAGTATACGGCAGGCCCTCGGTGTTTTACCAGAAAGCCAGATACTAAATCAACCAAAAAATGCAGGGCCATAGTACTGACCTTAGTATAATC	4
AG876-84330-84450	43536780	GTATACCGCAGGCCCTCGGTGTTTTACCAGAAAGCCAGATACTAAATCAACCAAAAAATGCAGGGCCATAGTACTGACCTTAGTATAATCAAGGTCATTGAAGATGAACACAGAAAGAAG	4
AG876-84360-84480	43709545	AAGCCAGATACTAAATCAACCAAAAAATGCAGGGCCATAGTACTGACCTTAGTATAATCAAGGTCATTGAAGATGAACACAGAAAGAAGACAGCCAGACAGCAACCAAGAGCC	4
AG876-84390-84510	43882310	AGGGCCATAGTACTGACCTTAGTATAATCAAGGTCATTGAAGATGAACACAGAAAGAAGACAGCCAAAGAGCCAAAGCCGATGATCCCTGCCCCACAGTGGTC	4
AG876-84420-84540	44055075	AAGGTCATTGAAGATGAACACAGAAAGAAGAAGACAGCCAGAACAGAGCAACCAAGAGCCAAAGCCGATGATCCCTGCCCCACAGTGGTCCTTCGGCGACCACCCACGCAAAAGGTGACT	4
AG876-84450-84570	44227840	AAGACAGCCAGAACAGAGCAACCAAGAGCCAAAGCCGATGATCCCTGCCCCACAGTGGTCCTTCGGCGACCACCCACGCAAAAGGTGACTGGCCCTGCCGGTTCAGTACTGAGTGGCAGGCT	4
AG876-84480-84600	44400605	AAGCCTGATCCCTGCCCCACAGTGGTCCTTCGGCGACCACCCACGCAAAAGGTGACTGGCCCTGCCGGTTCAGTACTGAGTGGCAGGCTCAGCTGGAGCCATGGCAACCTTTGCTCTGG	4
AG876-84510-84630	44573370	CTTCGGCGACCACCCACGCAAAAGGTGACTGGCCCTGCCGGTTCAGTACTGAGTGGCAGGCTCAGCTGGAGCCATGGCAACCTTTGCTCTGGCCACATGAGACAAGAGTTATACTTCACGGA	4
AG876-84540-84660	44746135	GGCCCTGCCGGTTCAGTACTGAGTGGCAGGCTCAGCTGGAGCCATGGCAACCTTTGCTCTGGCCACATGAGACAAGAGTTATACTTCACGAGCCACCCACGCGGGTACCAAGCACACGGT	4
AG876-84570-84690	44918900	CAGCTGGAGCCATGGCAACCTTTGCTCTGGCCACATGAGACAAGAGTTATACTTCACGAGCCACCCACGCGAGGTTGACCAAGCACACGGTTCATGCTAGACCTTCTTGAAGGACGAC	4
AG876-84600-84720	45091665	CCACATGAGACAAGAGTTATACTTCACGAGCCACCCACGCGAGGTTGACCAAGCACACGGTTCATGCTAGACCTTCTTGAAGGACGACCAGCACATGGAGCAGCAGTTATGGCAACC	4
AG876-84630-84750	45264430	CCACCACGCGAGGTTGACCAAGCACACGGTTCATGCTAGACCTTCTTGAAGGACGACCAGCACATGGAGCAGCAGTTATGGCAACCTACTGCCACCAGAACCCACACAGCCCGG	4
AG876-84660-84780	45437195	TCCATGCTAGACCTTCTTGAAGGACGACCAGCACATGGAGCAGCAGTTATGGCAACCTACTGCCACCAGAACCCACAGCCCGGTTCTGGGAGAAGAGCCCTTGTGTCTACCC	4
AG876-84690-84810	45609960	CAGCACATGGAGCAGCAGTTATGGCAACCTACTGCCACCAGCACCCCGGTTCTGGGAGAAGAGCCCTTGTGTCTACACCCTGGGATGACCAAGTATGAGCCGACATGAGAAAGTATGAGCC	4
AG876-84720-84840	45782725	CTACTGCCACCAGAACCACACAGCCCGGTTCTGGGAGAAGAGCCCTTGTGTCTACACCCTGACCTAGACATAGAAAGTATGAGCCCGCCACGTCAGAGCCGGTTCCTGATCAGTGA	4
AG876-84750-84870	45955490	TCTGGGAGAAGAGCCCTTGTGTCTACACCCTGACCTAGACATAGAAAGTATGAGCCCGCCACGTCAGAGCCGGTTCCTGATCAGTACTGCCCGCCACAGACTGGACCTCTTGAACATTAAC	4
AG876-84780-84900	46128255	GCTGACCTAGACATAGAAAGTATGAGCCCGCCACGTCAGAGCCGGTTCCTGATCAGTACTGCCCGCCACAGACTGGACCTCTTGAACATTAACCTTAACGTCACCCACCCAGCTCT	4
AG876-84810-84930	46301020	GCCACGTCAGAGCCGGTTCCTGATCAGTACTGCCCGCCACAGACTGGACCTTTCGAATTAACCCATTAACGTCACCCACCCAGCTCTCAACTCCGCGAGTTCAGACCCGACCCACGCA	4
AG876-84840-84960	46473785	CTGCCCGCCACAGACTTGGACCTTTCGAATTAACCCATTAACGTCACCCACCCAGCTCTCAACTCCGCGAGTTCAGACCCGAGCCACGCAACCACTCCATGGCCGGTTACCCACCAAGT	4
AG876-84870-84990	46646550	ATTCACCCATTAACGTCACCCACCCAGCTCTCAACTCCGCGAGTTCAGACCCGAGCCACGCAACCACTCCATGGCCGGTTCACCCACCAAGTCAAGCTCCAGCTCCAGCTCCAGCTCC	4
AG876-84900-85020	46819315	CAACTCCGCGAGTTCAGCACCCGACCCACGCAACCACTCCATGGCCGGTTCACCCACCAAGTCAAGCTCCAGGTTGCCCAACGACACAGTCCCTGGCACCCGAAACAGAAAGCCCGCCAG	4
AG876-84930-85050	46992080	CAAACTCCATGGCCGGTTCACCCACCAAGTCAAGCTCCAGGTTGCCCAACGACACAGTCCCTGGCACCCGAAACAGAAAGCCCGCCAGTGGCCAAATGCCACTGCGACCTATCCCTCG	4
AG876-84960-85080	47164845	CAGACTCCAGGTTGCCCAACGACACAGTCCCTGGCACCCGAAACAGAAAGCCCGCCAGTGGCCAAATGCCACTGCGACCTATCCCTTGCACCCCTTGGCGATGCAGCCAAATCATTT	4
AG876-84990-85110	47337610	CTGGCACCCGAAACAGAAAGCCCGCCAGTGGCCAAATGCCACTGCGACCTATCCCTTGCACCCCTTGGCGATGCAGCCAAATCATTTAATCCTGCAGTGCAGCCACTCCCATCAG	4
AG876-85020-85140	47510375	TGGCCAAATGCCACTGCGACCTATCCCTTGCACCCCTTGGCGATGCAGCCAAATCATTTAATCCTGCAGTGCAGCCACTCCCATCAGCCACCTCAGGTTGGAGCCACTTTCATCAG	4
AG876-85050-85170	47683140	CACCCCTTGGCGATGCAGCCAAATCATTTAATCCTGCAGTGCAGCCACTCCCATCAGCCACTCAGGTTGGAGCCACTTTCATCAGTCCACTTGGGTGAACCCCTCAACAATAC	4
AG876-85080-85200	47855905	AATCCTGCAGTGCAGCCACTCCCATCAGCCACTCAGGTTGGAGCCACTTTCATCAGTCCACTTGGGTGAACCCCTCAACAATACAGCCTCAGATGGGGACACTTCCATATCAG	4
AG876-85110-85230	48028670	CCACCTCAGGTTGGAGCCACTTTCATCAGTCCACTTGGGTGAACCCCTCAACAATACAGCCTCAGATGGGGACACTTCCATATCAGCCCGACCAACCGGTCAGTCTACTATGCTC	4
AG876-85140-85260	48201435	TCCACTTGGGTGAACCCCTCAACAATACAGCCTCAGATGGGGACACTTCCATATCAGCCCGACCAACCGGTCAGTCTACTATGCTCCGCCCCAGTGGGCACCCACCCATGCAG	4
AG876-85200-85320	48546965	CCCCGACCAACCGGTCAGTCTACTATGCTCCGCCCCAGTGGGCACCCACCCATGCAGCCACCCAAAGGCGCCCACTCCCATGCCGCCACTCAGGGGCCACCCACCCGCTATGCAG	8
AG876-85230-85350	48719730	CGGCCCTGCGGATGCAGCCAAATCATTTAATCCTGCAGTGCAGCCACTCCCATCAGCCACTCAGGTTGGAGCCACTTTCATCAGTCCACTTGGGTGAACCCCTCAACAATAC	8
AG876-85260-85380	48892495	CCACCACCAAGGGCGCCACTCCCATGCCGCCACTCAGGGGCCACCCACCGCTATGCAGAGGCTCAGGGGGCGCCACTCCCATGCCGCCACTCAGGGGACACCCACCCGCTATGCAG	8
AG876-85290-85410	49065260	CCACCTCAGGGGCCACCCACCGCTATGCAGAGGCTCAGGGGGCGCCACTCCCATGCCGCCACTCAGGGGACACCCACCGCCATGCAGAGGCTCAGGGTGCGCCACTCCCATGCCG	8
AG876-85320-85440	49238025	AGGCCTCAGGGGGCGCCACTCCCATGCCGCCACTCAGGGGACACCCACCGCCATGCAGAGGCTCAGGGTGCGCCACTCCCATGCCGCCACTCAGGGGACACCCACCCGCTATGCAG	8
AG876-85350-85470	49410790	CCACCTCAGGGGACACCCACCGCCATGCAGAGGCTCAGGGTGCGCCACTCCCATGCCGCCACTCAGGGGACACCCACCGCCATGCAGAGGCTCAGGGTGCGCCACTCCCATGCCG	8
AG876-85380-85500	49583555	AGGCCTCAGGGTGCGCCACTCCCATGCCGCCACTCAGGGGACACCCACCGCCATGCAGAGGCTCAGGGTGCGCCACTCCCATGCCGCCACTCAGGGGACACCCACCCGCTATGCAG	8
AG876-85410-85530	49756320	CCACCTCAGGGGACACCCACCGCCATGCAGAGGCTCAGGGTGCGCCACTCCCATGCCGCCACTCAGGGGACACCCACCGCCATGCAGAGGCTCAGGGTGCGCCACTCCCATGCCG	8
AG876-85440-85560	49929085	AGGCCTCAGGGTGCGCCACTCCCATGCCGCCACTCAGGGGACACCCACCGCCATGCAGAGGCTCAGGGTGCGCCACTCCCATGCCGCCACTCAGGGGACACCCACCCGCTATGCAG	8
AG876-85470-85590	50101850	CCACCTCAGGGGACACCCACCGCCATGCAGAGGCTCAGGGTGCGCCACTCCCATGCCGCCACTCAGGGGACACCCACCGCCATGCAGAGGCTCAGGGGCGCCACTCCCATGCCG	8
AG876-85500-85620	50274615	AGGCCTCAGGGTGCGCCACTCCCATGCCGCCACTCAGGGGACACCCACCGCCATGCAGAGGCTCAGGGGACACCCACCGCCATGCAGAGGCTCAGGGGACACCCACCCGCTATGCAG	8
AG876-85530-85650	50447380	CCACCTCAGGGGACACCCACCGCCATGCAGAGGCTCAGGGTGCGCCACTCCCATGCCGCCACTCAGGGGACACCCACCGCCATGCAGAGGCTCAGGGGCGCCACTCCCATGCCG	8
AG876-85560-85680	50620145	AGGCCTCAGGGGCGCCACTCCCATGCCGCCACTCAGGGGACACCCACCGCCATGCAGAGGCTCAGGGGCGCCACTCCCATGCCGCCACTCAGGGGACACCCACCCGCTATGCAG	8
AG876-85590-85710	50792910	CCACCTCAGGGGACACCCACCGCCATGCAGAGGCTCAGGGGCGCCACTCCCATGCCGCCACTCAGGGGACACCCACCGCCATGCAGAGGCTCAGGGGCGCCACTCCCATGCCG	8

AG876-85620-85740	50965675	AGGCCTCAGGGGGCGCCCACTCCCATGCCGCCACTCAGGGGCCACCCACGCCATGCAGAGGCCCTCGGGGGCGCCCACTCCCATGCCGCCACTCAGGGGCCACCCACGCCATGCAG	12
AG876-85650-85770	51138440	CCACCTCAGGGGCCACCCACGCCATGCAGAGGCCCTCGGGGGCGCCCACTCCCATGCCGCCACTCAGGGGCCACCCACGCCATGCAGAGGCCCTCAGGGGGCGCCCACTCCCATGCCG	12
AG876-85680-85800	51311205	AGGCCTCGGGGGCGCCCACTCCCATGCCGCCACTCAGGGGCCACCCACGCCATGCAGAGGCCCTCAGGGGGCGCCCACTCCCATGCCGCCACTCAGGGGCCACCCACGCCATGCAG	12
AG876-85710-85830	51483970	CCACCTCAGGGGCCACCCACGCCATGCAGAGGCCCTCAGGGGGCGCCCACTCCCATGCCGCCACTCAGGGGCCACCCACGCCATGCAGAGGCCCTCGGGGGCGCCCACTCCCATGCCG	12
AG876-85740-85860	51656735	AGGCCTCAGGGGGCGCCCACTCCCATGCCGCCACTCAGGGGCCACCCACGCCATGCAGAGGCCCTCGGGGGCGCCCACTCCCATGCCGCCACTCAGGGGCCACCCACGCCATGCAG	12
AG876-85770-85890	51829500	CCACCTCAGGGGCCACCCACGCCATGCAGAGGCCCTCGGGGGCGCCCACTCCCATGCCGCCACTCAGGGGCCACCCACGCCATGCAGAGGCCCTCAGGGGGCGCCCACTCCCATGCCG	12
AG876-85800-85920	52002265	AGGCCTCGGGGGCGCCCACTCCCATGCCGCCACTCAGGGGGCGCCCACTCCCATGCCGCCACTCAGGGGCCACCCACGCCATGCAGAGGCCCTCAGGGGGCGCCCACTCCCATGCCG	12
AG876-85830-85950	52175030	CCACCTCAGGGGGCGCCCACTCCCATGCCGCCACTCAGGGGGCGCCCACTCCCATGCCGCCACTCAGGGGCCACCCACGCCATGCAGAGGCCCTCGGGGGCGCCCACTCCCATGCCG	12
AG876-85860-85980	52347795	AGGCCTCAGGGGGCGCCCACTCCCATGCCGCCACTCAGGGGGCGCCCACTCCCATGCCGCCACTCAGGGGCCACCCACGCCATGCAGAGGCCCTCGGGGGCGCCCACTCCCATGCCG	12
AG876-85890-86010	52520560	CCACCTCAGGGGGCGCCCACTCCCATGCCGCCACTCAGGGGGCGCCCACTCCCATGCCGCCACTCAGGGGGCGCCCACTCCCATGCCGCCACTCAGGGGCCACCCACGCCATGCAG	8
AG876-85920-86040	52693325	AGGCCTCGGGGGCGCCCACTCCCATGCCGCCACTCAGGGGGCGCCCACTCCCATGCCGCCACTCAGGGGGCGCCCACTCCCATGCCGCCACTCAGGGGGCGCCCACTCCCATGCCG	8
AG876-85950-86070	52866090	CCACCTCAGGGGGCGCCCACTCCCATGCCGCCACTCAGGGGGCGCCCACTCCCATGCCGCCACTCAGGGGGCGCCCACTCCCATGCCGCCACTCAGGGGGCGCCCACTCCCATGCCG	4
AG876-85980-86100	53038855	CTGTACCAAGGGCACTTACCAGCCAGAAGGGGCCAGCAAGCACATTCTGCCAGTTGTTAACGGGGGGCGTCAAGAGTGGGAGACCATCACTTAAGTTAAGGCTGCCCTTGAGCGT	4
AG876-86010-86130	53211620	GGGCCAGCAAGCACATTCTGCCAGTTGTTAACGGGGGGCGTCAAGAGTGGGAGACCATCACTTAAGTTAAGGCTGCCCTTGAGCGTCAAGCCGCTGCGGGCTTGCAGCTTACCA	4
AG876-86040-86160	53384385	TTAACGGGGGGCGTCAAGAGTGGGAGACCATCACTTAAGTTAAGGCTGCCCTTGAGCGTCAAGCCGCTGCGGGCTTGCAGCTTACCAGGGTCTGGAACGGGTGCCAAGATTGTGAG	4
AG876-86070-86190	53557150	TCACTTAAGTTAAGGCTGCCCTTGAGCGTCAAGCCGCTGCGGGCTTGCAGCTTACCAGGGTCTGGAACGGGTGCCAAGATTGTGAGGACCTGTTTCTATCCACCCGCTCTACAG	4
AG876-86100-86220	53729915	CAAGCCGCTGCGGGCTTGCAGCTTACCAGGGTCTGGAACGGGTGCCAAGATTGTGAGGACCTGTTTCTATCCACCCGCTCTACAGCCCATACAAGTTATGTGGCAAGTGGGTTCC	4
AG876-86130-86250	53902680	GGGTCTGGAACGGGTGCCAAGATTGTGAGGACCTGTTTCTATCCACCCGCTCTACAGCCCATACAAGTTATGTGGCAAGTGGGTTCTCAAAGGCCGTGCCCGCTCAACGGTGACA	4
AG876-86160-86280	54075445	GCACCTGTTTTCTATCCACCCGCTCTACAGCCCATACAAGTTATGTGGCAAGTGGGTTCTCAAAGGCCGTGCCCGCTCAACGGTGACACAGGACCCACGGAATATACCGGGAAAGG	4
AG876-86190-86310	54248210	CCCATACAAGTTATGTGGCAAGTGGGTTCTCAAAGGCCGTGCCCGCTCAACGGTGACACAGGACCCACCGAATATACCGGGGAAAGGAGGTTAGGGGGGCTTATGTCTCCCACTGAT	4
AG876-86220-86340	54420975	TCAAAGCCGCTGCCCGCTCAACGGTGACACAGGACCCACCGAATATACCGGGGAAAGGAGGTTAGGGGGGCTTATGTCTCCCACTGATATCCCGCTCAAACGGGTGAAGAAAAAG	4
AG876-86250-86370	54593740	CAGGCACCCAGGAATATACCGGGGAAAGGAGGTTAGGGGGGCTTATGTCTCCCACTGATATTCGCCGCTCAAACGGGTGAAGAAAAAGCCCTATCCAGAGCGCAAGCCCGCATGGG	4
AG876-86280-86400	54766505	AGGTTAGGGGGCCTATGTCTCCCACTGATATTCGCCGCTCAAACGGGTGAAGAAAAAGCCCTATCCAGAGCGCAAGACGCCGATGGGGGGCCTCACACTTCCACCGTTATGTGG	4
AG876-86310-86430	54939270	ATTCGCCGCTCAAACGGGTGAAGAAAAAGCCCTATCCAGAGCGCAAGACGCCGATGGGGGGCCTCACACTTCCACCGTTATGTGGGAGAAATGCAGCCAGGACAAACAGCAGACT	4
AG876-86340-86460	55112035	GCCTATCCAGAGCGCAAGACGCCGATGGGGGGCCTCACACTTCCACCGTTATGTGGGAGAAATGCAGCCAGGACAAACAGCAGACTCTGGAGTGCAGGAGAACTGATAAACAGGAA	4
AG876-86370-86490	55284800	GGGCCCTCACACTTCCACCGTTATGTGGGAGAAATGCAGCCAGGCAACAGCAGACTCTGGAGTGCAGGAACTGATAAACAGGAAAGGAACATGTTGGGGATGGGGGACATTGCA	4
AG876-86400-86520	55457565	GAGAATGCAGCCAGGGAACAACAGCAGACTCTGGAGTGGGAGGAACTGATAAACAGGAAAGAACTATGGGGATGGGGGACATTGCAGTTTCTCCCTTCTCTTGAACATCTCG	4
AG876-86430-86550	55630330	CTGGAGTCGGGAGAACTGATAAACAGGAAAGGAACATGTTGGGATGGGGGACATTGCAGTTTCTCCCTTCTCTTGAACATCTCG	4
AG876-86580-86700	55803095	CTGCGGGGAGGGGAGTATAAGTCATGACAATTTAGATGAGGTAGACATTTTGCATATTTTTCAGACCCACCATGGAATCATTTGAAGGAGAGGGGGACTCTATACAGTCACTGACAA	4
AG876-86610-86730	55975860	AATTTTAGATGAGGTAGACATTTTGCATATTTTTCAGACCCACCATGGAATCATTTGAAGGAGAGGGGGACTCTATACAGTCACTGACAATGCCGCGGGAGATGATGACAGAATACTGG	4
AG876-86640-86760	56148625	TTTCAGACCCACCATGGAATCATTTGAAGGAGAGGGGGACTCTATACAGTCACTGACAATGCCGCGGGAGATGATGACAGAATACTGGTGAAGTATTCAGGACCCCGGGCGGGGCC	4
AG876-86670-86790	56321390	AGAGGGGACTCTATACAGTCACTGACAATGCCGCGGGAGATGATGTACAGAATACTGGTGAAGTATTCAGGACCCCGGGCGGGGCTTCAACCGCGGGGCTTCTGAGGGATTGGT	4
AG876-86700-86820	56494155	TGCGCGGGGAGATGATGTACAGAATACTGGTGAAGTATTCAGGACCCCGGGCGGGGCTTCAACCGCGGGGCTTCTGAGGATTGGTGCAGAACAGCCGACTCAAGAGATCAACA	4
AG876-86730-86850	56666920	TGAGCATATTCAGGACCCCGGGCGGGGCTTCAACCGCGGGGCTTCTGAGGGATTGGTGCAGAACAGCCGACTCAAGAGATCAACAGTCCCGGGGCGAGAGAAGGGGTGATGAAAA	4
AG876-86760-86880	56839685	TTCAACCGGGCGGGCTTCTGAGGGATTGGTGCAGAACAGCCGACTCAAGAGATCAACAGTCCCGGGGCGAGAGAAGGGGTGATGAAAACAGAGGCTGGATGCAGCGCATCAGCGGAAG	4
AG876-86790-86910	57012450	GCAGAACGAGCCGACTCAAGAGATCAACAGTCCCGGGGCGAGAGAAGGGGTGATGAAAACAGAGGCTGGATGCAGCGCATCAGCGGAAGCCGAGAAAGCCGCGCATTGTCGGGCCA	4
AG876-86820-86940	57185215	GTCCCGGGGCGAGAGAAGGGGTGATGAAAACAGAGGCTGGATGCAGCGCATCAGCGGAAGCCGAGAGAAGCCGCGCATTTTTCAGACCCACCATGGAATCATTTGACAGTGAAGACAATGTGCCGCC	4
AG876-86850-86970	57357980	CAGAGCTGGATGCAGCGCATCAGCGGAAGGGCGGAGAAGACCGGCCATTGTCCCGCCATCTTTTAGACATGGAAGACAATGTCCCGCCGTTTCTCCACAGATATCACACCATA	4
AG876-86880-87000	57530745	GCGGAGAAGACGGCCGATTGTCCCGCCATCTTTTAGACATGGAAGACAATGTCCCGCGTGGTTTCTCCACAGATATCACACCATATGTCGAAGGAATATCAGGGACGCTGCCTG	4
AG876-86910-87030	57703510	TCTTTTAGACATGGAAGACAATGTCCCGCGTGGTTTCTCCACAGATATCACACCATATGTCGAAGGAATATCAGGGAGCTGCCTGCCAGGCTGCAAGGTGAGCATGCCTCTAAC	4
AG876-86940-87060	57876275	GTGGTTTCTCCACAGATATCACACCATATGTCGCAAGGAATATCAGGGAGCTGCCTGCCAGGCTGCAAGGTGAGCATGCCTTAACTGGGTTATGGGGCCATCTAAGGCCACAG	4
AG876-87390-87510	58049040	TTCTCCGCCACCGTGTGGATACCACCCCTGCTGGACCAAGAGAGCAAGAAAGATACGCTCGGGAAGCCGAGGTGCGCTTCTTCTCGTGAATGGCAGAGGGGTTCCGAAGAATCTTT	4
AG876-87420-87540	58221805	GCTGGACCAAGAGAGCAAGAAAGTACCGTCGGGAAGCCGAGGTGCGCTTCTTCTCGTGAATGGCAGAGCGGTTCCGAAGAACTTTTATTGATAGAATGTGTGCTCTGAC	4
AG876-87990-88110	58394570	CCTACACCAAGACGCCACCCAGTGAAGCGACAATTTGTAAGACTCTATAGATCTGATGAGGCAGAAGAAGCACAGAGACCCCTGAAAGGCCGGCCCTTCAAACAACCATCAGAG	4
AG876-88020-88140	58567335	ACAATTGTTAAGACTCTATAGATCTGATGAGGCAGAAGAAGCACAGAGACCCCTGAAAGGCCGGCCCTTCAAACAACCATCAGAGCCGCTGGAGCCCGCCACACAACCCAGCG	4
AG876-88050-88170	58740100	GAGGAGAAGAAGCACAGAGCACCCCTGAAAGCCGGGCCCTTCAAACAACCATCAGAGCCGCTGGAGCCCGCCACACAACCCACGCGGGGAGGTCAACCGTATTCTCCACGAACCA	4
AG876-88080-88200	58912865	AGGCCGGGCCCTTCAAACAACCATCAGAGCCCGTGGAGCCCGCCACACAACCCAGCGGGAGGTCAACCGTATTCTCCACGAACCCACTCGAGAGCCCGAAGCTGTTCTTCTCAAG	4
AG876-88140-88260	59258395	GGGAGTCAACGGTATTCTCCACCAACCCACTCAGAGCCCGAAGCTGTTTCTTCAAGCTCCGCCACCCCTCCGGAGGAGAAGGGGAGCGTGTGTATGACGATGATATGACGATGATATC	4
AG876-88170-88290	59431160	CCTCAGAGCCCGAAGCTGTTTCTTCAAGCCTCCGCCACCCCTCCCGAGGAGAAGGGGAGCGTGTGTATGACGATGATATCAGAGGTTGATTGTTGAAACCACCGAA	4
AG876-88200-88320	59603925	CCTCCGCCACCATCTCCCGGAGGAGAAGGGGAGCGTGTGTATGACGATGATATCAGAGGTTGATTGTTGAAACCACCGAAGAGGAGACGACGTCATGCAAGACAGCCT	4
AG876-88230-88350	59776690	GGAGCGTGTGTATATGACGATGATATCAGAGGTTGATTGATTGAAACCACCGAAGAGGAGACGACGTCATGCAAGACAGCCTCCGCTCGGGCAACACCCGCCCCCGCTG	4

AG876-88260-88380	59949455	ATAGAGGTGATTGATGTTGAAACCACCGAAGAGGAGACGAGTCAATGCAAAAGACAGCTCCGCTCGGGCAACAACCGCCCCCCCCCGTATTCTACCGGGAGTGCCATGTCTCCAGT	4
AG876-88290-88410	60122220	GAGGAGACGACGTCATGCAAAGACAGCCTCCGCTCGGGCAACAACCGCCCCCCCCCGTATTCTACCGGGAGTGCCATGTCTCCAGTCACACGGATCCATCAGTAACACAGCCAAAGT	4
AG876-88320-88440	60294985	CCGCTCGGGCAACAACCGCCCCCCCCCGTATTCTACCGGGAGTGCCATGTCTCCAGTCACACGGATCCATCAGTAACACAGCCAAAGTAAAGCCACATCGGAAACCTCAAGACGGATTTCAACGTTACAGGCCGACGTCAAAAACGAGCC	4
AG876-88350-88470	60467750	ATTCTACCGGGAGTGCCATGTCTCCAGTCACACGGATCCATCAGTAACACAGCCAAAGTAAAGCCACATCGGAAACCTCAAGACGGATTTCAACGTTACAGGCCGACGTCAAAAACGAGCC	4
AG876-88380-88500	60640515	CACACGGATCCATCAGTAACACAGCCAAAGTAAAGCCACATCGGAAACCTCAAGACGGATTTCAACGTTACAGGCCGACGTCAAAAACGAGCCATGCCTCCCCAGTGAGTCTCTTGACGCT	4
AG876-88410-88530	60813280	AAGCCACATCGGAAACCTCAAGACGGATTTCAACGTTACAGGCCGACGTCAAAAACGAGCCATGCCTCCCCAGTGAGTCTCTTGACGCTGGGCTCCTTCCACCGAGCCCTCGTGATG	4
AG876-88440-88560	60986045	CAACGTTACAGCCGACGTCAAAACGAGCCATGCCTCCCCAGTGAGTCTCTTGACGCTGGGCTCCTTCCACCGGGCTCGTGACATGGCGCTCCTTCCACCGGGCTCCTCCAGCCGAGCCATGTTACGAGG	4
AG876-88470-88590	61158810	ATGCCTCCCCAGTGAGTCTCTTGACGCTGGGCTCCTTCCACCGAGCCCTCGTGATGGCGCTCCTTCCACCGGGCTCGTGACATGGCGCTCCTTCCACCGGGCTCGTGACATG	8
AG876-88500-88620	61331575	GGGCTCCTTCCACCGAGGCTCGTGATGGCGCTCCTTCCACCGGGCTCGTGACATGGCGCTCCTTCCACCGGGCTCGTGACATGGCGCTCCTTCCACCGGGCTCGTGACATG	8
AG876-88530-88650	61504340	GCGCTCCTTCCACCGGGCTCGTGATGGCGCTCCTTCCACCGGGCTCGTGACATGGCGCTCCTTCCACCGGGCTCGTGACATGGCGCTCCTTCCACCGGGCTCGTGACATG	8
AG876-88560-88680	61677105	GCGACTCCTTCCACCGGGCTCGTGACATGGCGCTCCTTCCACCGGGCTCGTGACATGGCGCTCCTTCCACCGGGCTCGTGACATGGCGCTCCTTCCACCGGGCTCGTGACATG	8
AG876-88590-88710	61849870	GCGCTCCTTCCACCGGGCTCGTGACATGGCGCTCCTTCCACCGGGCTCGTGACATGGCGCTCCTTCCACCGGGCTCGTGACATGGCGCTCCTTCCACCGGGCTCGTGACATG	8
AG876-88620-88740	62022635	GCGCTCCTTCCACCGGGCTCGTGACATGGCGCTCCTTCCACCGGGCTCGTGACATGGCGCTCCTTCCACCGGGCTCGTGACATGGCGCTCCTTCCACCGGGCTCGTGACATG	8
AG876-88650-88770	62195400	GCGCTCCTTCCACCGGGCTCGTGACATGGCGCTCCTTCCACCGGGCTCGTGACATGGCGCTCCTTCCACCGGGCTCGTGACATGGCGCTCCTTCCACCGGGCTCGTGACATG	8
AG876-88680-88800	62368165	GCGCTACCGCTCGTACATATGTTTACGAGGGAGCGCTGCTACCCAGTCCACCGGGCTCGACTCGGAGCTTCTGGGAAATGCGGGCCGGCGTATGCTCCCAAAATTCACAAGAA	4
AG876-88710-88830	62540930	GAGCGCTGCTACCCAGTCCACCGGGCTGACCTCGGAGCTTCTGGGAAATGCGGGCCGGCGTATGCTCCCAAAATTCACAAGAACCAAGTTCACAACAGCAGCCAGCCACTCAG	4
AG876-88740-88860	62713695	GCACTCGGAGCTTCTGGGAAATGCGGGCCGGCGTATGCTCCCAAAATTCACAAGAACCAAGTTCACAACAGCAGCCAGCCACTCAGTACACCGCTTCCCAATCATGGTCCCA	4
AG876-88770-88890	62886460	GGCGTGATGCTCCCAAAATTCACAAGAACCAAGTTCACAACAGCAGCCAGCCACTCAGTACACCGCTTCCCAATCATGGTCCCAATCTGCTATGCTCCTCCCGGAGTGGATGCT	4
AG876-88800-88920	63059225	CCAAGTTCACAACAGCAGCCAGCCACTCAGTACACCGCTTCCCAATCATGGTCCCAATCTGCTATGCTCCTCCCGGAGTGGATGCTGGTATGCCAGCCCTACAATATCACAC	4
AG876-88830-88950	63231990	TCTACACCGCTTCCCAATCATGGTCCCAATCTGCTATGCTCCTCCCGGAGTGGATGCTGGTAAATGCCAGCCCTACAATATCACACTTGAGCTCCATGTCGCCACGCAGCCGATA	4
AG876-88860-88980	63404755	TCTGTCTATGCTCCTCCCGGAGTGGATGCTGGTAAATGCCAGCCCTACAATATCACACTTGAGCTCCATGTCGCCACGCAGCCGATATCGCATGAAGAACAACCCCGGATGAGGAT	4
AG876-88890-89010	63575285	GGTAAATGCCAGCCCTACAATATCACACTTGAGCTCCATGCTGCCAGCAGCCGATGAGGATCGTACTCCTCTGGATTTGAGTTTACATCCAGATACTGCAACTCTGCCGCCACCCAG	4
AG876-88920-89040	63750285	TTGAGCTCCATGTCGCCACGCAGCCGATTCGCATGAAGAACAACCCCGGATGAGGATCCTGACACTCCTTGGATTTGAGTTTACATCCAGATACTGCAACTCTGCCGCCACCCAG	4
AG876-88950-89070	63923050	TCGCATGAAGAACAACCCCGTATGAGGATCCTGACACTCCTCTGGATTTGAGTTTACATCCAGATACTGCAACTCTGCCGCCACCCAGGATTTATACCTGGACGCGAGGATCTGCAG	4
AG876-88980-89100	64095815	CCTGACACTCCTCTGGATTTGAGTTTACATCCAGATACTGCAACTCTGCCGCCACCCAGGATTTATACCTGGACGCGAGGATCTGCAGGCCACCCAGGCTCCATACCCGGGATACGAG	4
AG876-89010-89130	64268580	CCAGATACTGCAACTCTGCCGCCACCCAGGATTTATACCTGGACGCGAGGATCTGCAGGCCACCCAGGCTCCATACCCGGGATACGAGGAGCCAGGCCGCCCGCCAGGCTCCTTTGTA	4
AG876-89040-89160	64441345	GATTTATACCTGGACGCGAGGATCTGCAGGCCACCCAGGCTCCATACCCGGGATACGAGGACCCAGCCGCCCGCCCGGATCCTTTTGTAGTGACTATGGTTTTGTTCAAATTCCTCTG	4
AG876-89070-89190	64614110	GCCACCCAGGCTCCATACCCGGGATACGAGGACCCCGGTTCCCAAGATCCATATGTGTAATCCCGGGGCAATTTGCTTCATGTCAGGTTATGCAAGTCCCTCGGCTCAGGCG	4
AG876-89100-89220	64786875	GAGCCACGGCCCCCAGGCTCCTTTGTAGGTGACTATGGTTTTGTTCAAATTCCTCGGCTCAATGGGAGCCACACCCCTCTCAGGGCACATACCAGGGCCACATTGATCCCCAGCTT	4
AG876-89130-89250	64959640	GGTGACTATGTTTTGTTCAAATTCCTCGGCTCAATGGGAGCCACACCCCTCTCAGGGCACATACCAGGGCCACATTGATCCCCAGCTTCCGGCTGCTCTAGATTTAGGGCCAGAGCAG	4
AG876-89160-89280	65132405	GCTCAATGGGAGCCACACCCCTCTCAGGGCACATACCAGGGCCACATTGATCCCCAGCTTCCGGCTGCTCTAGATTTAGGGCCAGAGCAGCCCGGTTCCCAAGATCCATATGTGTAT	4
AG876-89190-89310	65305170	ACATACAGGGCCACATTGATCCCCAGCTTCCGGCTGCTCTAGATTTAGGGCCAGAGCAGCCCGGTTCCCAAGATCCATATGTGTAATCCGGGGCAATTTGCTTCATGTCAGGT	4
AG876-89220-89340	65477935	CCGGCTGCTCTAGATTTAGGGCCAGAGCAGCCCGGTTCCCAAGATCCATATGTGTAATCCCGGGGCAATTTGCTTCATGTCAGGTTATGCAAGTCCCTCGGCTCAGGCTCAA	4
AG876-89250-89370	65650700	CCCCGGTTCCCACAAGATCCATATGTGTAATCCCGGGGCAATTTGCTTCATGTCAGGTTATGCAAGTCCCTGGCCCTCGAGGCCCTCAACATCCAAGATATAGGCACACCTTGGCATTG	4
AG876-89280-89400	65823465	TCCGGGGGCAATTTGCTTCATGTCAGGTTATGCAAGTCCCTGGCCCTCGAGGCCCTCAACATCCAAGATATAGGCACACCTTGGCATTGTGGCTCGAGAACCCAGGCATGGGCACTCT	4
AG876-89310-89430	65996230	TATGCAAGTCCCTGGCCCTCGAGGCCCTCAACATCCAAGATATAGGCACACCTTGGCATTGTGGCTCGAGAACCAGGCATGGGCACTCTCAGGGCCATGGAACCCCTGGTCAGCACAT	4
AG876-89340-89460	66168995	CATCCAAGATATAGGCACACCTTGGCATTGTGGCTCGAGAACCAGGCATGGGCACTCTCAGGGCCATGGAACCCCTGGTCAGCACATCTCCACCTCAGTGGATGGATCTGCAGGA	4
AG876-89370-89490	66341760	TGGCCTCGAGAACCAGGCATGGGCACTCTCAGGGCCATGGAACCCCTGGTCAGCACATCTCCACCTCAGTGGATGGATCTGCAGGACATGGCCAGGATCAGTCTCCCAAGTTC	4
AG876-89400-89520	66514525	CAGGGCCATGGAACCCCTGGTCAGCACATCTCCACCTCAGTGGATGGATCTGCAGGACATGGCCAGGATCAGGCTCTCCAGTTCACATCTGCATTCCGAGACAGGGCCACCCAGT	4
AG876-89430-89550	66687290	CTCCACCTCAGTGGATGGATCTGCAGGACATGGCCAGGATCAGGCTCTCCAGTTCACATCTGCATTCCGAGACAGGCCACCCAGCTTCAACTTTCATCGGTGCCACAGGTGCTG	4
AG876-89550-89670	66860055	TACCGCACGCACTGGTCTCATCCTCTGCACCATCTGGTCTATCTCCACAGCCCGAGCCCCATACGCCCATTCACAAGATTCACCCCTCCCTCATGCGGTACAAAGATAGCATG	4
AG876-89580-89700	67032820	CCATCGTGGTCTCTCCACGCCCCGAGCCCCATACGCCCATTCACAAGATTCACCCCTCCCTCATGCGGTTACAAGATAGCATGGCCGTGGGTCGACTCATCAGGTACAGCA	4
AG876-91110-91230	67205585	CTGCGCCCTCCTTGAGCCCCACCATCCGCTGCCACCCTCTTGAGCCCCCCTGCGCTGCCACCTCTTTGAGCCCTTCTTACCAGTCTTGCGTGTAGTGGTTTTCTTTGACGCTG	4
AG876-91140-91260	67378350	TGCCACCTCTTTGAGCCCCACCGTCCGCTGCCACCCTCTTTGAGCCCCCTTACCAGTCTTGCGTGTAGTGGTTTTCTTTGACGCTGTCGGGGCAGCCGCTGGTGCAGGCTGTGGA	4
AG876-91170-91290	67551115	GCCACCTCTTTGAGCCCTTCTTACCAGTCTGGCTGTAGTGGTTTTCTTTGACGCTGTCGGGGCAGCCGCTGGTGCAGGCTGTGGAGCACAATGCTGCTAGCTGTTGCTCTGG	4
AG876-91200-91320	67723880	TCTGGCTGTAGTGGTTTTCTTTGACGCTGTCGGGGGAGCCGCTGGTGCAGGCTGTGGAGCACAATGCTGCTAGCTGTTGCTCTGGTTAGCCCGGGACAAGCAACACCACTGCT	4
AG876-96750-96870	67896645	GTGGAACAGGAGCAGGAGGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAG	8
AG876-96780-96900	68069410	CAGGAGGGGCAGGAGCAGGAGGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAG	8
AG876-96810-96930	68242175	CAGGAGGGGCAGGAGCAGGAGGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAG	8
AG876-96840-96960	68414940	CAGGAGGGGCAGGAGCAGGAGGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAG	8
AG876-96870-96990	68587705	CAGGAGGGGCAGGAGCAGGAGGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAGCAGGAGGGGCAGGAG	8





AG876-142920-143040	77571485	GGTTCGGGCCCTGGAGCTCGGGGGCGGCCGGGTGGCCACCAGGGTCCGCTGGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGGTGCAGCCGGGTCCGGGGTTCGGCCCTGGAGC	12
AG876-142950-143070	77744250	GGGTGGCCACCAGGGTCCGCTGGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGGTGCAGCCGGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGGTGGCCACCAGGGTCC	12
AG876-142980-143100	77917015	GCCCCGCTCCGGCGGGGGGGTGGCCGGGTGCAGCCGGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGGTGGCCACCAGGGTCCGCTGGGTCCGCTGCCCGCTCCGGCGGGG	16
AG876-143010-143130	78089780	CAGCCGGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGGTGGCCACCAGGGTCCGCTGGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGGTGCAGCCGGGTCCGGGGTTC	12
AG876-143040-143160	78262545	TCGGGGGGCGGCCGGGTGGCCACCAGGGTCCGCTGGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGGTGCAGCCGGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGT	12
AG876-143070-143190	78435310	CGTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGGTGGCCACCAGGGTCCGCTGGGTCCGCTGCC	12
AG876-143100-143220	78608075	GGGTGGCCGGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGGTGGCCACCAGGGTCCGCTGGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGGTGCAGC	12
AG876-143130-143250	78780840	CCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGGTGCAGCCGGGTCCGGGGTTCGGCCCTGGAGCTCGG	12
AG876-143160-143280	78953605	GGCCACCAGGGTCCGCTGGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGGTGCAGCCGGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGGTGGCCACCAGGGTCCGCT	12
AG876-143190-143310	79126370	CGCTCCGGCGGGGGGGTGGCCGGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGGTGGCCACCAGGGTCCGCTGGGTCCGCTGCCCGCTCCGGCGGGGGGGT	12
AG876-143220-143340	79299135	CGGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGGTGCAGCCGGTCCGGGGTTCGGG	12
AG876-143250-143370	79471900	GGGGCGCCGGGTGGCCACCAGGGTCCGCTGGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGGTGCAGCCGGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCC	16
AG876-143280-143400	79644665	GGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGGTCCGCTGCCCGCT	12
AG876-143310-143430	79817430	GGCCGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGGTGCAGCCGGG	12
AG876-143340-143460	79990195	CCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGGTGCAGCCGGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGG	12
AG876-143370-143490	80162960	CACCGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGT	12
AG876-143400-143520	80335725	CCGGCGGGGGGGTGGCCACCAGGGTCCGCTGGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCC	16
AG876-143430-143550	80508490	TCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGGTGCAGCCGGTCCGGGGTTCGGCCCT	12
AG876-143460-143580	80681255	CGCCGGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACC	12
AG876-143490-143610	80854020	CCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGG	12
AG876-143520-143640	81026785	GGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGGTGCAGCCGGTCCG	12
AG876-143550-143670	81199550	GGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCC	12
AG876-143580-143700	81372315	GGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGTCCG	12
AG876-143610-143730	81545080	CGGGGGGGTGGCCGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGT	12
AG876-143640-143760	81717845	GGTTCCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAG	12
AG876-143670-143790	81890610	CGGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGT	12
AG876-143700-143820	82063375	TGCCCGCTCCGGGGGGGGTGGCCGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGG	12
AG876-143730-143850	82236140	GCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGGTGCAGCCGGTCCGGGGTTC	12
AG876-143760-143880	82408905	CTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGG	16
AG876-143790-143910	82581670	CCGCTGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCC	12
AG876-143820-143940	82754435	GGGGTGGCCGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGTGCAG	12
AG876-143850-143970	82927200	TCCGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCG	12
AG876-143880-144000	83099965	TGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCG	12
AG876-143910-144030	83272730	CCGCTCCGGCGGGGGGGTGGCCGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGGG	16
AG876-143940-144060	83445495	CCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGGTGCAGCCGGTCCGGGGTTCGG	12
AG876-143970-144090	83618260	GGGGCGGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGC	16
AG876-144000-144120	83791025	TGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGC	12
AG876-144030-144150	83963790	TGGCCGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGGTGCAGCCGG	12
AG876-144060-144180	84136555	GCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGG	12
AG876-144090-144210	84309320	CCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGG	12
AG876-144120-144240	84482085	TCCGGCGGGGGGGTGGCCGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGC	12
AG876-144150-144270	84654850	GTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGTGCAGCCGGTCCGGGGTTCGGGCC	12
AG876-144180-144300	84827615	GCGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACC	12
AG876-144210-144330	85000380	TCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCG	12
AG876-144240-144360	85173145	CGCTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGTGCAGCCGGTCC	12
AG876-144270-144390	85345910	TGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGG	12
AG876-144300-144420	85518675	CGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGTCCG	12
AG876-144330-144450	85691440	GCGGGGGTGGCCGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGTGGCC	16
AG876-144360-144480	85864205	GGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGTGCAGCCGGTCCGGGGTTCGGCCCTGGA	12
AG876-144390-144510	86036970	CCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGGGTGGCCGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGG	12
AG876-144420-144540	86209735	CTGCCCGCTCCGGCGGGGGGGTGGCCGGTGCAGCCGGTCCGGGGTTCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGG	12







Akata-7530-7650	171324	CTACCCAAAGAGAGATTAGGGTAGTATATGCTATCCGAATCTCTATCTGGATAGCATATGCTACCCAATCTATATGCGGGTAGTACATGCTATCCTAAATCTATATTGGGGTAGTATATG	4
Akata-7560-7680	342648	CTATCCGAATCTCTATCTGGATAGCATATGCTACCCAATCTATATGCGGGTAGTACATGCTATCCTAAATCTATATCGGGTAGTATATGCTATCCTAAATCTCTATGTGGGTAGTACATG	4
Akata-7590-7710	513972	CTACCCAATCTATATGCGGGTAGTACATGCTATCCTAAATCTATATTGGGGTAGTATATGCTATCCTAAATCTCTATGTGGGTAGTACATGCTATCCTAAATCTCTATGTGGGTAGCATATG	4
Akata-7620-7740	685296	TATCCTAAATCTATATTGGGGTAGTATATGCTATCCTAAATCTCTATGTGGGTAGTACATGCTATCCTAAATCTCTATGTGGGTAGCATATGCTATCCTAAATCTATATCTGGGTAGCATATG	4
Akata-7650-7770	856620	CTATCCTAAATCTCTATGTGGGTAGTACATGCTATCCTAAATCTCTATGTGGGTAGCATATGCTATCCTAAATCTATATCTGGGTAGCATATGCTACCCAATAGAGATTAGGGTAGCATATG	4
Akata-7680-7800	1027944	CTATCCTAAATCTCTATGTGGGTAGCATATGCTATCCTAAATCTATCTGGGTAGCATATGCTACCCAATAGAGATTAGGGTAGCATATGCTATCCTAAATCTCTATCTGGATAGCATATG	4
Akata-7710-7830	1199268	CTATCCTAAATCTATATCTGGGTAGCATATGCTACCCAATAGAGATTAGGGTAGCATATGCTATCCTAAATCTCTATCTGGGTAGCATATGCTATCCTAAATCTATATCTGGGGTAGTACATG	4
Akata-7740-7860	1370592	CTACCCAATAGAGATTAGGGTAGCATATGCTATCCTAAATCTCTATCTGGATAGCATATGCTATCCTAAATCTATATGCGGGTAGTACATGCTATCCTAAATCTATATTGGGGTAGTATATG	4
Akata-7770-7890	1541916	CTATCCTAAATCTCTATCTGGATAGCATATGCTATCCTAAATCTATATGCGGGTAGTACATGCTATCCTAAATCTATATTGGGGTAGTATATGCTATCCTAAATCTCTATGTGGGTAGTACATG	4
Akata-7800-7920	1713240	CTATCCAATCTATATGCGGGTAGTACATGCTATCCTAAATCTATATTGGGGTAGTATATGCTATCCTAAATCTCTATGTGGGTAGTACATGCTATCCTAAATCTCTATGTGGGTAGCATATG	4
Akata-7830-7950	1884564	TATCCTAAATCTATATTGGGTAGTATATGCTATCCTAAATCTCTATGTGGGTAGTACATGCTATCCTAAATCTCTATGTGGGTAGCATATGCTATCCTAAATCTCTATGTGGGTAGCATATG	4
Akata-7860-7980	2055888	CTATCCTAAATCTCTATGTGGGTAGTACATGCTATCCTAAATCTCTATGTGGGTAGTACATGCTATCCTAAATCTCTATGTGGGTAGCATATGCTATCCTAAATCTCTATGTGGGTAGCATATG	4
Akata-7890-8010	2227212	CTATCCTAAATCTCTATGTGGGTAGCATATGCTATCCTAAATCTCTATCTGGATAGCATATGCTATCCTAAATCTATATGCGGGTAGTACATGCTATCCTAAATCTATATTGGGGTAGTATATG	4
Akata-7920-8040	2398536	CTATCCAACGCAACATTATCCACCGTCTCTCAGGACCTCGTGAATATGAGGACCAACAACTGTGCTTGGCGCTCAGGCGCAAGTGTGTAACTTGTCTCCAGATCGCAGCAAT	4
Akata-10050-10170	2569860	ATAGAAGCATACATGACAATAAAGCCAGGTGATAATCCATACCTGGGAAGCAGGAGATGGTGCATTTACCCCAACCCCTTTCCAGCTGCTATTTACAATAAAATGAAACCTTTT	4
Akata-12630-12750	2741184	CCAGACCCGGGTCTCGGCCAGCCGAGCCGACCCGCGCCGCGGGCCCTCTCGGGCCAGCCGCGGGGTTGGTTCTGCCCTCTCTGTCTTCCAGGAAACCCAGGACCTCGGG	12
Akata-13800-13920	2912508	AGGCCATGCGCCCTGTCAACAGGCTGCCAAAGAGCCAGATCTAAGGCCAGGAGAGCCACCCAAAGCGGGTGCAGTAAACAGGTAATCTCTGGTAGTATTTGACCCGAAATCTGA	4
Akata-13860-13980	3083832	AGCCCAAGCCGGTGCAGTAAACAGGTAATCTCTGGTAGTATTGGACCCGAAATCTGACACTTTAGAGCTCTGGAGGACTTTAAAACCTCTAAAATCAAACCTTTAGAGGCGAATGGG	4
Akata-13890-14010	3255156	CTCTGGTAGTATTGGACCCGAAATCTGACACTTTAGAGCTCTGGAGGACTTTAAAACCTCTAAAATCAAACCTTTAGAGGCGAATGGGCGCAATTTTGTCCACGCGCCGATAATGG	4
Akata-13920-14040	3426480	CACITTAGAGCTCTGGAGGACTTTAAAACCTCTAAAATCAAACCTTTAGAGGCGAATGGGCGCAATTTTGTCCACGCGCCGATAATGGCGGACCTAGGCTAAAACCCAGGAAAGCG	4
Akata-13950-14070	3597804	CTAAAATCAAACCTTTAGAGGCGAATGGGCGCAATTTTGTCCACGCGCCGATAATGGGCGACCTAGGCTAAAACCCAGGAAAGCGGGTCTATGGTTGGCTGCGCTGCTGCTATCT	4
Akata-15990-16110	3769128	CGGAGGACCCCGCAGCCGCGCCGAGCCAGGCGGTTCTCGCCCTCCCGGGTCCAGAGCCAGGATGTCCCCAGAAGGACCCCTAGGGTCCCTCCCTCCAGG	8
Akata-16320-16440	3940452	CTCTCCCTGCGCTCTCCTCCCGCTCCACCCGAGCCCTCAGCTTGCCTCCACCCGGTCCATCAGCCGCGCCGAGGACCCCGCGCGCCGGTGTGAGTCCCTCCGAGCCG	12
Akata-16680-16800	4111776	ATAGACTCCATGTAAGCTGCTCAGTAGGTGCTCCAGAGCCCTTTTGCCTCCGCGCCAGCCGACCCCGGGCCGCCCCAACTTTGTCCAGATGTCAGGGTCCCGA	8
Akata-16740-16860	4283100	GCGGCCAGCCGACCCCGCGCCGCCCCAACTTTGTCCAGATGTCCAGGGTCCCGAGGGCGAGGCCAGCCCGCTCCACCCCTGTCCACTGCCCGGTCCCGCAGAACGCCCA	12
Akata-17700-17820	4454424	CGGTCCCGAGTCTACCAGAGGGGGCAAGCCAGACGAGTCCGTAAGAGGGTCCGTCAGCAAGAAGAGGAGGTTGTAAGCGGTTACCTTCAGGGGTAAGTAACTGACCTCT	4
Akata-17730-17850	4625748	GAACCCAGACGAGTCCGTAGAAGGGTCTCTGTCAGCAAGAAGAGGAGGTTGTAAGCGGTTACCTTCAGGGGTAAGTAACTGACCTTCAGGGTCCAGTAAAGGAGGCTTAGTAT	4
Akata-18300-18420	4797072	TCTCTGGTAACGACGAGAGAAGAGTAGAGCCCGCGCCATTTGGCCAGATTGAGAGCCAGTCCAGGGCCGCGCCAGAGCCGTTCTGAGACCTCCGCGCCGAGCCGCGCCCT	8
Akata-18330-18450	4968396	GCCCGCGCCATTGGGCCAGATTGAGAGACCAGTCCAGGGCCGAGGTTGGAGCCAGCGGGCACCCGAGGTCAGCAGCCCGTCCCTCCGGGGGAGAGACAGGACAGGCGCCCGG	8
Akata-18360-18480	5139720	CCAGTCCAGGGCCCGAGGTTGGAGCCAGCGGGCACCCGAGGTCAGCAGCCCGTCCCTCCGGGGGAGAGACAGGACAGGCGCCCGGCGAGCTGGCCCGAGGAGCGCCCGGAGTG	12
Akata-18960-19080	5311044	GTTAAACCCAAAGAAATGCTGAGGGGAGCCACCCTCGGGGCCAGGCCCCAGAGTCCAGAGGTCAGGGGCACCTCAGGGTGCCTCCCGGGTCCAGGCCAGCCGAGGGACCCCGGAG	8
Akata-18990-19110	5482368	ACCCTCGGGCCAGGCCAGAGTCCAGAGGTCAGGGCACCTCAGGTTGCCTCCCGGGTCCAGGCCAGCCGAGGACCCCGCAGCCCGGGCGCCAGAGCCGTTCTCTCGC	12
Akata-19020-19140	5653692	GGTCAGGGCACCTCAGGTTGCCTCCCGGGTCCAGGCCAGCCGAGGACCCCGCAGCCGCGCCGAGGCGGTTCTCGCCCTCCCGGGTCCAGGCCAGGATGT	12
Akata-19740-19860	5825016	GGCCTGGCTCCCATAGACTCCCATGTAAGCTGCCTCGAGTAGGTGCCTCCAGAGCCCTTTTGCCTCCGCGCCAGCCGACCCCGGGCGCCCAAACTTTGTCCAGATGTC	8
Akata-19830-19950	5996340	CCGGGCGCCCAAACTTTGTCCAGATGTCAGGGTCCCGAGGGGAGGCCAGCCCTCCACCCCTGTCCACTGCCCGGTCCCGCCAGAAGCCCAAAAGTAGAGGCTCAGGC	8
Akata-19860-19980	6167664	CAGGGTCCCGAGGGCGAGGCCAGCCCTCCACCCCTGTCCACTGCCCGGTCCCGCCAGAAGCCCAAAAGTAGAGGCTCAGGCCATGCGCGCCCTGTCAACAGCCCTGCCAAA	8
Akata-20520-20640	6338988	TTTTCCCTTCCCTCCCTGCTTGGCTGCGCCGGGGCCACCTTCATCACCTGCTGACTCCGCCATCAAGCCTAGGGGAGCCGAAGTGAAGTCCCTGGACAGCCCGGCCGG	8
Akata-21660-21780	6510312	GGAGGCAGAGGTCGGCTAGGCCCGGGGAAGTGGAGGGGATCGCCCGGTCTCTGTTGGCAGAGTCCGGGCGATCTCTGAGACCTCCGCGCCGAGCCGCGCCCTCAGCCGCCA	8
Akata-23010-23130	6681636	TAGAGGCTCAGGCCATGCGCGCCCTGTCAACAGGCTGCCAAAGAGCCAGATCTAAGGCCAGGAGAGGCCAGCCCAAGCGGGTGCAGTAAACAGGTAATCTCTGGTAGTATTGGACCC	4
Akata-23040-23160	6852960	CAGGCTGCCAAAGAGCCAGATCTAAGGCCAGGAGAGGCCAGCCCAAGCGGGTGCAGTAAACAGGTAATCTCTGGTAGTATTGGACCCGAAATCTGACACTTTAGAGCTCTGGAGGAC	4
Akata-23070-23190	7024284	AGGAGAGGAGCCCAAGCGGGTGCAGTAAACAGGTAATCTCTGGTAGTATTGGACCCGAAATCTGACACTTTAGAGCTCTGGAGGACTTTAAAACCTCTAAAATCAAACCTTTAGAG	4
Akata-23100-23220	7195608	ACAGGTAATCTCTGGTAGTATTGGACCCGAAATCTGACACTTTAGAGCTCTGGAGGACTTTAAAACCTCTAAAATCAAACCTTTAGAGGCGAATGGGCGCAATTTTGTCCACGCGC	4
Akata-23640-23760	7366932	CATCACCTGCGTACTCCGCCATCAAGCCTAGGGGAGACGGAAGTGAAGTCCCTGAGCACCGCCGCGCCCGGATCCGGCCAGAGGTAAGTGGACTTTAATTTTTCTG	4
Akata-23670-23790	7538256	CTAGGGGAGACCGAAGTGAAGTCCCTGAGCCAGCCCGCCGCGCCCGGATCGGGCCAGAGGTAAGTGGACTTTAATTTTTCTGTAAGCCCAACACTCCACCACACCCAGGCAC	4
Akata-25980-26100	7709580	GCGCCCCAACTTTGTCCAGATGTCAGGGTCCCGAGGGGAGGCCAGCCCTCCACCCCTGTCCACTGCCCGGTCCCGCCAGAAGCCCAAAAGTAGAGGCTCAGGCCATG	8
Akata-27930-28050	7880904	GACCCAGGGTCTCCAGGAGGTCGGCATCTCCAGGGGAGAGGCTCACCACACAGGCCCCCGAGCCCGGGTCTCGGGCAGCCGAGCCAGCCCGCCCGCCGCGCGCCCTCCTC	12
Akata-29100-29220	8052228	CCAGCCCTCCACCCCTGTCCACTCCCGCTCCCGCCGAGGACCCCAAGGCTAGAGGCTCAGGCCATGCGCCCTGTCCAGGCTCCCAAGAGCCAGATCTAAGGCCAGGA	8
Akata-29760-29880	8223552	TCTTGCCCTGGCCCGGGGACCTTCACTACCTGCTGACTCGCCATCAAGCTTAGGGAGACCGCAAGTGCAGTCCCTGGACCGCCGCGCCCGGATCCGGCCAGAGGTAAGTGGACTTTAATTTTTCTG	8
Akata-30540-30660	8394876	AGGCCACTTAGACCCGGCCAGCCCTCCCTGAGACCCAGCCAGCCGCTTCTCTGTAACGACGAGAGAAGAAGTAGAGCCCGCCGCGCCATTGGGCCAGATTGAGAGACCCAGTCCA	4
Akata-30570-30690	8566200	CCTGAAGACCCAGCGCCATTCTCTCTGTAACGAGCAGAGAAGAAGTAGAGCCCGCGCCATTGGGCCAGATTGAGAGACCAAGTCCAGGGCCCGAGGTTGGAGCCAGCCGCGCACCC	4
Akata-31170-31290	8737524	GGAACAGGGACCTCGGCCACCCAGAGCCCTCGGGCCGCTCCAGGCGCCCTCTGGTCTCCGCTCCCTCTTAGCCCGTAAACCCAAAGAAATGTCTGAGGGAGCCACCCCTCGG	8

Akata-31200-31320	8908848	CCTCGGGGCCCGCTCCAGGGCCCTCTGGTCTCCGCTCCCTCTTACGCCGTTAAACCCAAGAATGTCTGAGGGGAGCCACCTCGGGGCCAGGCCAGAGTCCAGAGGTACGGG	8
Akata-32580-32700	9080172	CCCAAGGGGGTTGCGGTTGCTAGGCCACCTTCTCAGTCCAGCGGTTTACGTAAGCCAGACAGCAGCCAAATTGTCAGTTCTAGGAGGGGGGACCTGCCCTGGTATAAAGTGGTCTG	4
Akata-33420-33540	9251496	GCCAGACGCTGGGCTCTAAGGCCCTCGGGTCCCTTGACCCCGGCTCAGCAACCTGCTGCTCCCTCTGCCACCCAGCCTCCCCCTCCCCGTCCTGCTGATCC	8
Akata-33450-33570	9422820	GTCCCGCTGGACCCCGGCTCAGCAACCTGCTGCTCCCTCTGCCACCCAGCCTCCCCCTCCCGTCCCTCTGCTCCTGATCCTCCCCGGTCCCCAGTAGGGCCGCCTGCC	12
Akata-34080-34200	9594144	CCCAGGGTCTCCAGGCAGGTCCGGCATCTCCAGGGGCAGCAGCTCACCACCAGACGCCCCAGACCCGGGCTCTGGCCAGCCAGCCAGCCGCCCGCCGCGCCGCTCCTCGGG	12
Akata-34110-34230	9765468	CCAGGGGCAGCAGGCTACCCACACAGCCCGCCAGCCGGGCTCCGGCCAGCCGACCCGCGCCGCGGCGGCTCTGGGGCCAGCCGCGGCTTGGTTCGCCCTCT	12
Akata-34140-34260	9936792	CCCCAGACCCGGGTTCTCGGCCAGCCGAGCCAGCCGCCCGCCGCGCCGCTCCTGCAGCTGCGAGGTCGGGCTGGTTCGTTCTGCCCTCTCTGTCTCTCAGAGAACCCAGGCTCG	12
Akata-37170-37290	10108116	GCAGGGGCAGGGGCAAGGGCAAGTCCAGGGACAAGCAAGCCCGGTGGACCATGGAGACCAGAGCCAAACACCTCCAGTCTAGCATGCCTGAACCTAAGTCCAGTCTCGGCTTC	4
Akata-39600-39720	10279440	CCGGGGCAGCAGGGCCGCGCGGTGGGTCCGCTGGGCCGCTGCCCGCTCCGGGTGGGGGTGGCCCCGCTGGACACCGCTGCGCCGCCAGGTCCTGGGGCAGCCGGGTCTCTG	12
Akata-39630-39750	10450764	CCGCTGGGGCGCTGCCCGCTCCGGGTGGGGGTGGCCCGCTGGACACCGCTGCGCCGCCAGGTCCTGGGGCAGCCGGGTTCTGGCGCTCCACTGCACCTGGAATCAGAGGTGG	12
Akata-39660-39780	10622088	GGGTGGCCCGCTGGACACCGCTGCCCGCCGCGAGTCTGGGGCAGCCGGGTTCTTCGGCTCCACTGCACCTGGAATCAGAGGTGGGGCGTGGTCCCTGGACCCAGCCCGCC	12
Akata-39690-39810	10793412	CGCCAGTCTGGGGCAGCCGGGTTCTCGGCCAGCCGCTCCAGGCTGCGAGTGGGGGTGGGGGTGGGCTGGACCCAGCCCGCCAGTCCCTCCCCAGGGGCTACCCGCTTGC	8
Akata-40590-40710	10964736	GGGGCTAGAGTCCGCGAGATTGGGGTAGGCGGAGCTCAAGAGGTTCCCTCCATAGGTTTAAACCATGAGGGGGAGGATTGGGCTCCGCTGATACCTAGTGGGTGGAGCTAG	4
Akata-40620-40740	11136060	GCGGAGCCTAAGAGGGTCCCTCCATAGGGTTAAACCATGAGGGGGAGGATTGGGCTCCGCTGATATACCTAGTGGGTGGAGCTAGAGGTAGGTATCCATAGGGTTCATTATCCT	4
Akata-40650-40770	11307384	GTTTAAACCATGAGGGGGAGGATTGGGCTCCGCTGATATACCTAGTGGGTGGAGCTAGAGGTAGGTATCCATAGGGTTCCATTATCCTGGAGGTATCCTAAGCTCCGCCCTATATAC	4
Akata-40680-40800	11478708	GCCCTGATACCTAGTGGGTGGAGCTAGAGGTAGGTATCCATAGGGTTCATTATCCTGGAGGTATCCTAAGCTCCGCCCTATATACCAGTGGGTGGAGCTAGGTAGGATTACAGT	4
Akata-40800-40920	11650032	AGGTTCTACTGGGGTACCCCTACCTACCTAAGTGGCCACCCTTCTCCTTCGTTTAAATGGTAGAATAACCTATAGGTTTAAACCTAGTGGTGGAAAGGTTATGACAGT	4
Akata-40830-40950	11821356	CCTAAGTGGCGCCACCCTTCTCCTCCGTTTAAATGGTAGAATAACCTATAGGTTTAAACCTAGTGGTGGAAAGGTTATGACAGTGGGTATATACCTATAGGTATAGAACCCTA	4
Akata-40860-40980	11992680	TTTTAATGGTAGAATAACCTATAGGTTTAAACCTAGTGGTGGAAAGGTTATGACAGTGGGTATATACCTATAGGTATATAGAACCCTAGAGGAAGGAAACCTATAGTGAATCCCTC	4
Akata-59310-59430	12164004	GTATGCTCCTCTCCTCCTCCTCCTCCTCCCGCAGCCCTGAGATCTGCTCCCTCCCTCCTCCTCGTCTGGTGGAAAAGTCTGAGGAGGAAAAGGAGAAATGGGGAGGAGTCCAA	4
Akata-77640-77760	12335328	TGGATTGAAGTGGGCTCAGTGCATGGAAGAGGTTGAAGTTGAAGTTCTGTTATGTTGGCCTGTGGTAAACACTGTTGGTTCATTTTTGGTGGGCTGGTAACTACTGGGGTGGGACT	4
Akata-77670-77790	12506652	AGAGGTGAAGTTGAAGTTCTGTTATGTTGGCTGTGGTAACATCACTGGTTCATTTTTGGTGGGCTGGTAACTGGGTTGGACTTCTCCTAAGGTGTGGTGGGACT	4
Akata-87960-88080	12677976	GCCCCCGGGCTCCATACCAGGATACCAGGACCCCGGCCGCCCGGGCTCCATACCAGGATACCAGGAGCCCGCGCCCGCCAGCTCCATACCAGGATACCAGGAGCCCGCGCC	8
Akata-87990-88110	12849300	GAGCCCGCGCCCGGGCTCCATACCAGGATACCAGGAGCCCGCGCCCGCCAGGCTCCATACCAGGATACCAGGAGCCCGCGCCCGCCAGGCTCCATACCAGGATACCAGGAG	8
Akata-88020-88140	13020624	GGATACCAGGAGCCCGCGCCCGCCAGGCTCCATACCAGGATACCAGGAGCCCGCGCCCGCCAGGCTCCATACCAGGATACCAGGAGCCCGCGCCCGCCAGGCTCCATACCAGGGA	8
Akata-88050-88170	13191948	CCATACCAGGATACCAGGAGCCCGCGCCCGCCAGGCTCCATACCAGGATACCAGGAGCCCGCGCCCGCCAGGCTCCATACCAGGATACCAGGAGCCCGCGCCCGGGTCCAA	8
Akata-96000-96120	13363272	GAGCAGGAGGGGAGGAGCAGGAGGGGAGGAGGGGAGGAGCAGGAGGGGCGGAGCAGGAGGGGCGGAGCAGGAGGGGCGGAGCAGGAGGGGCGGAGGAGGGGCGGGAG	12
Akata-96030-96150	13534596	GAGGGCAGGAGCAGGAGGGGCGGAGCAGGAGGGGAGGAGGGGAGGAGGGGCGGAGCAGGAGGGGCGGAGGAGGGGCGGAGGAGGGGCGGAGGAGGGGCGGAGGAGG	12
Akata-96060-96180	13705920	GAGGGCAGGAGGGGAGGAGCAGGAGGGGCGGAGCAGGAGGGGAGGAGGGGCGGAGCAGGAGGGGCGGAGGAGGGGCGGAGGAGGGGCGGAGGAGGGGCGGAGGAGG	12
Akata-96090-96210	13877244	CGGGAGCAGGAGGGGAGGAGGGGCGGAGCAGGAGGGGCGGAGCAGGAGGGGCGGAGCAGGAGGGGCGGAGGAGGGGCGGAGGAGGGGCGGAGGAGGGGCGGAGGAGG	12
Akata-96120-96240	14048568	CAGGAGGGGAGGAGGGGAGGAGCAGGAGGGGCGGAGCAGGAGGGGCGGAGGAGGGGCGGAGGAGGGGCGGAGGAGGGGCGGAGGAGGGGCGGAGGAGGGGCGGAGGAGG	8
Akata-96150-96270	14219892	GGCAGGAGGGGAGGAGGGGAGGAGGGGCGGAGGAGGGGCGGAGGAGGGGCGGAGGAGGGGCGGAGGAGGGGCGGAGGAGGGGCGGAGGAGGGGCGGAGGAGGGG	8
Akata-125700-125820	14391216	GGCACCAGGAGCTGTCCGCTATGTCAGAAAGCATGGAGGGCAGACGGATGTCAGTCCGGCCCGGACCCCGCCCGGAGGCTGGTGGCCCTCTCGGAAGGGAAGATGGGGCACCTA	8
Akata-125730-125850	14562540	GAAGCCATGGAGGGCAGACGGATGTGAGGTCGGGCCCGGACCCCGCCCGGAGGCTGGTGGCCCTCTCGGAAGGGAAGATGGGGCACCTAAGGACCCCTCTGGACCGTTTGGACACC	8
Akata-140520-140640	14733864	GAGCTCGGGGGGCGCGGGTGGCCACCGGTTCCGCTGGGTCGCTGCCCGCTCCGGCGGGGTTGCGGCTGACAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGGGCGG	12
Akata-140550-140670	14905188	GGTCCGCTGGGTCGCTGCCCGCTCCGGCGGGGGTGGCCGCTCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGGGCGGGTGGCCACCGGGTCCGCTGGTCCGCTG	12
Akata-140580-140700	15076512	GGGGGTGGCCGCTGCAGCCGGTCCGGGTTCCGGCCCTGAGCTCGGGGGCGGGGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTGCA	12
Akata-140610-140730	15247836	GTTCCGGCCCTGGAGCTCGGGGGCGGGGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTCCGCTGGGTTCCGGCCCTGGAGCTCGGGGGCGGGG	12
Akata-140640-140760	15419160	GGTGGCCACCAGGTCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGCTCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGGGCGGGTGGCCACCAGGTTCCG	12
Akata-140670-140790	15590484	CCCCGCTCCGGCGGGGGTGGCCGCTCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGGGCGGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGG	16
Akata-140700-140820	15761808	GCCGGTCCGGGTCCGGCCCTGGAAGCTCGGGGGCGGGCGGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTCAGCCGGTCCGGGTTCCG	12
Akata-140730-140850	15933132	GGGGGGCGGGGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTCCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGGGCGGGTGGC	16
Akata-140760-140880	16104456	CTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGCTCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGGGCGGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGC	12
Akata-140790-140910	16275780	TGGCCGCTCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGGGCGGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTCCGCGGTTCCG	12
Akata-141060-141180	16447104	GGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGCTCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGGGCGGGTGGCCACCAGGGTCCGCTGGTCCGCTG	12
Akata-141150-141270	16618428	GGTGGCCACCAGGTCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTCCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGGGCGGGTGGCCACCAGGGTCCG	12
Akata-141210-141330	16789752	GCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGGGCGGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTCCGCGGTTCCG	12
Akata-141240-141360	16961076	GGGGGGCGGGGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGGGCGGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGC	16
Akata-141270-141390	17132400	CTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGCTCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGGGCGGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGC	12
Akata-141300-141420	17303724	TGGCCGCTCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGGGCGGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTCCAGCCGGTCCG	12
Akata-141360-141480	17475048	CCACCAGGTCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGCTCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGGGCGGGTGGCCACCAGGGTCCGCTGGT	12

Akata-141390-141510	17646372	TCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGCGCCGGGTGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCG	12
Akata-141570-141690	17817696	GGTCCGCTGGGTCCGCTGCCCCCTCCGGCGGGGGTGGCCGGCTCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGCGCCGGGTGCCACCAGGGTCCGCTGGTCCGCTG	12
Akata-141600-141720	17989020	GGGGGGTGGCCGGCTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGCGCCGGGTGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTGCA	12
Akata-141630-141750	18160344	GTCCGGCCCTGGAGCTCGGGGGGCGCCGGGTGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTC	12
Akata-141660-141780	18331668	GGTGGCCACCAGGGTCCGCTGGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGCGCCGGGTGCCACCAGGGTCCG	12
Akata-141690-141810	18502992	CCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGCGCCGGGTGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGG	16
Akata-141720-141840	18674316	GCCGGGTCCGGGGTCCGGAGCTCGGGGGGCGCCGGGTGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGGTCCG	12
Akata-141750-141870	18845640	GGGGGGGCGGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGCGCCGGGTGGC	16
Akata-141780-141900	19018694	CTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGCGCCGGGTGCCACCAGGGTCCGCTGGTCCGCTGCCCGC	12
Akata-141810-141930	19188288	TGGCCGGTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGCGCCGGGTGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGG	12
Akata-141870-141990	19359612	CCACCAGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGCGCCGGGTGCCACCAGGGTCCGCTGGT	12
Akata-141960-142080	19530936	CGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGCGCCGGGTGGCCACC	12
Akata-141990-142110	19702260	CCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGCGCCGGGTGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGC	12
Akata-142020-142140	19873584	GCTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGCGCCGGGTGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGG	12
Akata-142050-142170	20044908	GAGCTCGGGGGGCGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGCGCCG	12
Akata-142200-142320	20216232	CCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGCGCCGGGTGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGG	16
Akata-142230-142350	20387556	GCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGCGCCGGGTGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGGTCCG	12
Akata-142290-142410	20558880	CTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGCGCCGGGTGCCACCAGGGTCCGCTGGTCCGCTGCCCGC	12
Akata-142320-142440	20730204	TGGCCGGTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGCGCCGGGTGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGG	12
Akata-142470-142590	20901528	CGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGCGCCGGGTGGCCACC	12
Akata-142500-142620	21072852	CCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGCGCCGGGTGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGC	12
Akata-142530-142650	21244176	GCTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGCGCCGGGTGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGG	12
Akata-142560-142680	21415500	GAGCTCGGGGGGCGCCGGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGCGCCG	12
Akata-142590-142710	21586824	GGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGCGCCGGGTGCCACCAGGGTCCGCTGGTCCGCTG	12
Akata-142620-142740	21758148	GGGGGGTGGCCGGCTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGCGCCGGGTGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGA	12
Akata-142680-142800	21929472	GGTGGCCACCAGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGGTCCGGCCCTGGAGCTCGGGGGGCGCCGGGTGCCACCAGGGTCCG	12
Akata-143370-143490	22100796	TTCTACTGGGACCCCCCTACCTTAAGTGGCCACCCTTCTCTCCGTTTAAATGGTAGAATAACCTATAGGTTATTAACCTAGTGGTGAATAGGTTATGCAGTGGG	4
Akata-143400-143520	22272120	TAAGGTGCGCCACCCTTCCCTCCGTTTAAATGGTAGAATAACCTATAGGTTATTAACCTAGTGGTGAATAGGTTATGCAGTGGGTTATAGGTTATAGAACCTAGAG	4
Akata-143430-143550	22443444	TAATGGTAGAATAACCTATAGGTTATTAACCTAGTGGTGAATAGGTTATGCAGTGGGTTATAGGTTATAGAACCTAGAGGAAGGAAACCTATAGTGAATCCCTCCCC	4
Akata-167310-167430	22614768	CCAAAAGCAGCGTAGGAAGGTGTGATACCCGGCGCCCGTCTGTATCGAAAGCGGGCCCGGTCACCTCCTTTGTTTCAAGCTCATCCGTCAAATTTGGAGGGCCCTCATATTT	4
Akata-167340-167460	22786092	CGGCGCCCGCTGTGTATCGAAGGCGGGCCCGGTACCTCCTTTGTTTCAAGCTCATCCGTCAAATTTGGAGGGCCCTCATATTTCCAGCAGAGTCCGCTAGGGTTATGAGGCAGCG	4
Akata-168000-168120	22957416	AGACTCGTGTAAAAAAGAGTGTAGGGCTGGAAGGTGAGGGTGTGGTAATAAGTCTTAGGAAATGTTAGTACTTACCAAGTAAGCAGCCAAAGATGAACAGCACAAATCAAGGTA	4
Akata-168300-168420	23128740	GATAAAGATGATGAGAATGATAATAAAGAACATGAGAGCAAAAGGAATAGAGGACAAGGAGCGCTCCTCCAGTCCAGTTACTATAACGATATACAGCCAGAACAGTAGCCCAAGAGA	4
Akata-168330-168450	23300064	CATGAGAGCAAAAGGAATAGAGGACAAGGAGCGCTCCTCCAGTCCAGTTACTATAACGATATACAGCCAGAACAGTAGCCCAAGAGAAGGAGAAGGAGAGCAAGGCCTATGGAAGAGGA	4
Akata-168360-168480	23471388	CGCTCCTCCAGTCCAGTTACTATAACGATATACAGCCAGAACAGTAGCCCAAGAGAAGGAGAGAGCAAGGCCTATGGAAGAGGAGAGGGGGGCTCCTAGAGGGGGCGTGGCGG	4
Akata-168390-168510	23642712	ATACAGCCAGAACAGTAGCCCAAGAGAAGGAGAAGGAGAGCAAGGCCTATGGAAGAGGAGAGGGGGGCTCCTAGAGGGGGCGTGGCGGGCCCGTCCAGGTCGCGTTT	4
Akata-168420-168540	23814036	GAGAAGGAGAGCAAGGCCTATGGAAGAGGAGAGGGGGGCTCCTAGAGGGGGCGTGGCGGGCCCGTGGCCCGCTCAGGTCGCGTTCCATGGTACGGGTAGTGTGGCAGGAGCAAGG	8
Akata-168450-168570	23985360	GAGGGGGGGTCCTAGAGGGGGCGCTGGCGGGCCCGTGGCCCGCTCCTCAAGGTCCGCTCCATGGTCAAGGTTAGTGTGGCAGGACAAGGCAACTGAGGAAAGAAAGCTGACAGAGCAGTG	8
Akata-168480-168600	24156684	GCCCGTGGGCCCTCCTCAAGGTCCGCTCCATGGTCCAGGTAGTGTGGCAGGAGCAAGGCAACTGAGGAAAGAAAGCTGACAGAGCAGTGCAGAGGCTTATGTAGGCCCTACGAGAG	4
Akata-168510-168630	24328008	CATGTTACAGGTAGTGTGGCAGGAGCAAGGCAACTGAGGAAAGAAAGCTGACAGAGCAGTGCAGAGGCTTATGTAGGCCGCTACGAGAGAGTAAACGCTGTTTCTGGGGATGGAGGCC	4
Akata-168540-168660	24499332	CAACTGAGGAAAGAGCTGACAGAGCAGTGCAGAGAGGCTTATGTAGGCCGCTACGAGAGAGTAAACGCTGTTTCTGGGGATGGAGGCCCGGGGGGATTTCCGGGGTCTGCCGAGGCAG	4
Akata-168570-168690	24670656	ACAGAGGCTTATGTAGGCCGCTACGAGAGAGTAAACGCTGTTTCTGGGGATGGAGGCCCGGGGGGATTTGGGGGTTCCCGGAGGCAAGTACGGGCGCCGCTTTCCGAAAGCGGCGTA	4
Akata-168600-168720	24841980	AGTAACGCTGTTTCTGGGGATGGAGCCCGGGGGGATTTCCGGGGTCCGGGAGGCAAGTACGGGCGCCGCTTTCCGAAAGCGGCTAGTGTGTGATGTAAGCGTTAAAAGAGGA	4
Akata-168630-168750	25013304	GGGGGATTTGCGGGTCTGCCGAGGCAAGTACGGGCGCCGCTTTCCGAAAGCGGCGTATGTGTGTCATGTAAGCGTTAAAAGAGGAAAGTAAAGCGGTGTGTCTGTGTAGAAAAG	4
Akata-168660-168780	25184628	TACGGGCGCCGCTTTCCGAAAGCGGCGTAGTGTGTGTCATGTAAGCGTTAAAAGAGGAAAGTAAAGCGGTGTGTCTGTGTAGAAAAGCGAGTCCCGAGGGGCAAGCTGTGGGAATG	4
Akata-168690-168810	25355952	GTGTGTGTCATGTAAGCGTTAAAAGAGGAAAGTAAAGCGGTGTGTCTGTGTGTAAGCGTTAAAAGAGGCAAGTCCCGAGGGGCAAGCTGTGGGAATCCGCTGTAAGCGTAGCAGGAAATGGA	4
Akata-168720-168840	25527276	AGTAGAAAGCGTGTGTCTGTGTTAAGAAAGCGAGTCCCGAGGGGCAAGCTGTGGGAATCCGCTGTTAAGCGTAGCAGGAAATGAAAGGCAAGTCCGGCAATCACAAGGGGGAGTGAGC	4
Akata-168750-168870	25698600	CGAGTCCCGAGGGGCAAGCTGTGGGAATCCGCTGTTAAGCGTAGCAGGAAATGAAAGGCAAGTCCGGCAATCACAAGGGGAGTGCAGAGTGTGTGGGAAGCGGCAAGTGTATCCAC	4
Akata-168780-168900	25869924	CGGTGTAAGCGTAGCAGGAAATGAAAGCGAGTCCGGCAATCACAAGGGGAGTGCAGAGTGTGTGGGAAGCGGCAAGTGTATCCACAAAGAGGCGTAGGGCGCGCAACGTTGGG	4
Akata-168810-168930	26041248	GCAGTGGCGCAATCACAAGGGGAGTGCAGAGTGTGTGGGAAGCGGAGTGTATCCACAAAGAGGCGTAGGGCGCGCAACGTTGGGAGGTCGTTGTCCGAGGGGGAGGCTGTGC	4
Akata-168840-168960	26212572	AGTGTGTGGGAAGCGCAGTGTATCCACAAAGAGGCGTAGGGCGCGCAACGTTGGGAGGTCGTTGTCCGAGGGGGAGGCTGTGCTTTAGGGGGTTCAGGTGAGGCAAGGCTGT	4



Akata-168870-168990	26383896	ACAAAGAGCGTATAGGCGCGCAACGTTGGAGGTCGTTGTCCGCGAGCGGGAGGCTGTGCTTAGGGGGTTCAGGTGAGGCAAGGCTGTGGGTAAACCTAGGGGAGCGGGTGAGCGC	8
Akata-169110-169230	26555220	GCGGAAAGTCGCTGCGGCTTGTGGCTGGGCGATGGGGGGCGATTCTGGAAAAAGTGAGGGGGCGTGCCCTGCCCGCGCCCGCCCTAGCCCCCGCACAGCGCGCGCAACG	8
Akata-169140-169260	26726544	GCCATGGGGGCGCATTCCTGAAAAAGTGAGGGGGGCTGGCTGCCCGCGCGCCCGCTAGCCCCCGCGCACAGCGCGCGCAACGCGGGCGGGCGGGGGGGTTCGGGTCGGC	12
Akata-169170-169290	26897868	GAGGGGGCTGGCTGCCCGCGCGCCCGCTAGCCCCCGCGCACAGCGCGCGCAACGCGGGCGGGCGGGGGGGTTCGGGTCGGCGGGCTCCGGGGCTCGCGGGGTCGGATGGCG	16
Akata-169320-169440	27069192	GCGCGCGCGCCCGCCAGCCATGCGTGACCGGAGGAGGGACAGGGTCCGAGGGGGCTGTCTGGTGGGGCGGGAGCGGGGGCGGGCGGGAGCCTGCACGCGCTTGAGGGGAGGA	12
Akata-169350-169470	27240516	GCGAGGAGGGACAGGTCGAGGGGGCTGTCTGGTGGGGGGAGCGGGGGCGGGAGCCTGCACGCGCTTGAGGGGAGGATGACAGGGGGCGGGGACAGAGAGCGGCTC	12
Akata-169380-169500	27411840	GTCATTGGGGCGGGAGCGGGGGCTGCGCGGGAGCTGCCCGCGCCCTTGAGGGGAGGATGACAGGGGGCGGGGACAGAGAGCGGTCGCCCGCGCGAGCGCAAGCCCG	12
Akata-169440-169560	27583164	TGACAGGGGGCGGGGACAGAGGGCGTCCGCCCGCGCGCGGCAAGCCCGGGGGCGGGGGCGGGCGGGGACGCGGAGCGTGACGAAGGGCCCCAGGGCTGACCCCGCAACG	12
Akata-169830-169950	27754488	GTTACAGGGAAAGCGGGGGGTCGGGGGCGCGGCCCGCCAGCCATGCGTGACCGGAGGAGGGACAGGGTCCGAGGGGGCTGTCTGGTGGGGCGGGAGCGGGGGCGCGCGGGAG	12
Akata-169860-169980	27925812	GCGCCCGCCAGCCATGCGTGACCGGAGGAGGGACAGGGTCCGAGGGGGCTGTCTGGTGGGGCGGGAGCGGGGGCGGGCGGGAGCCTGCACGCGCTTGAGGGGAGGATGACAG	12
Akata-169890-170010	28097136	AGGGGACAGGTCGAGGGGGCTGTCTGGTGGGGCGGGAGCGGGGGCGGGGCGGGAGCCTGCACGCGCTTGAGGGGAGGATGACAGGGGGCGGGGACAGAGAGCGGCTCCGCCC	12
Akata-170220-170340	28268460	GCAATTCGGAAAAAGTGAGGGGGCGCGCGCCCGCGCCCGCTGACCCCGCGCGCCCTGAGGGGGAGGATGACAGGGGGCGGGGGGGCGGGGGTCCGGGTCGGCGGCTCCGGGGC	12
Akata-170370-170490	28439784	GGAACCGGGGGTGGGGGGCGCGCCCGCCAGCCATGCGTGACCGGAGGAGGGGACAGGGTCCGAGGGGGCTGTCTGGTGGGGCGGGAGCGGGGGCGGGCGGGAGCCTGCA	12
Akata-170400-170520	28611108	GCCAGCCATGCGTGACCGGAGGAGGGGACAGGGTCCGAGGGGGCTGTCTGGTGGGGCGGGAGCGGGGGCGGGCGGGAGCCTGCACGCGCTTGAGGGGAGGATGACAGGGGGC	12
Akata-170580-170700	28782432	CGGGACGGGAGCGTGACGAAGGGCCCCAGGGCTGACCCCGCAACGTTGACCGGGGGTCCGGGGTACCCAGCAAGCGTGACCAAGGGGGCGCTGGGTGACACAGGCAACCTGACA	8
Akata-170880-171000	28953756	CGGTGGATGGCGCTGGCTTACGGGAACGGGGGGTGGGGGGCGGGCGCCCGCCAGCCATGCGTGACCGGAGGAGGGACAGGGTCCGAGGGGGCTGTCTGGTGGGGCGGGAG	12
Akata-170910-171030	29125080	GGGGGGTCGGGGCGCGCGCCCGCCAGCCATGCGTGACCGGAGGAGGGGACAGGGTCCGAGGGGGCTGTCTGGTGGGGCGGGAGCGGGGGCGGGCGGGAGCCTGCACGCGCT	12
Akata-170940-171060	29296404	CCATGCGTGACCGGAGGAGGGGACAGGGTCCGAGGGGGCTGTCTGGTGGGGCGGGAGCGGGGGCGGGCGGGAGCCTGCACGCGCTTGAGGGGAGGATGACAGGGGGCGGGGAC	12
Akata-171203-171323	29467728	GGCCGCTGGTGACACAGCAACCTTGACAAAGGCCCGCCAGAAAGACCCCGGGGGTATCGGGGGTGTGATGGGGGATGGGGGGTCGGATTTCGCCCTATTGCCCTGTTT	8
Akata-171203-171323	29639052	GGCCGCTGGTGACACAGCAACCTTGACAAAGGCCCGCCAGAAAGACCCCGGGGGTATCGGGGGTGTGATGGGGGATGGGGGGTCGGATTTCGCCCTATTGCCCTGTTT	8
Akata-171203-171323	29810376	GGCCGCTGGTGACACAGCAACCTTGACAAAGGCCCGCCAGAAAGACCCCGGGGGTATCGGGGGTGTGATGGGGGATGGGGGGTCGGATTTCGCCCTATTGCCCTGTTT	8
Akata-171203-171323	29981700	GGCCGCTGGTGACACAGCAACCTTGACAAAGGCCCGCCAGAAAGACCCCGGGGGTATCGGGGGTGTGATGGGGGATGGGGGGTCGGATTTCGCCCTATTGCCCTGTTT	8
GD1-7980-8100	171658	GACAGAGATTAGGATAGCATATGCTACCCAGATATAGATTAGGATAGCATATGCTACCCACATATTTGGGATAGTATATGCTATCCAAGGCAACATTATTCACCCTGCTCTCAGCGACT	4
GD1-8010-8130	343316	GATATAGATTAGGATAGCATATGCTACCCACATATTTGGGATAGTATATGCTATCCAAGGCAACATTATTCACCCTGCTCTCAGCGACTCGTGAATATGAGGACCACACCCTGTGCT	4
GD1-12840-12960	514974	GTTGGTCTGCCCTCTCTCTGTCTTCCAGGAAACAGGACCTCGGGCACCCAGAGCCCTCGGGCCCGCTCCAGCGCCCTCTGTCTCCGCTCCCTCTTAGCCCCGTTAAAC	8
GD1-12870-12990	686632	AGGAACAGGGGACCTCGGGCACCCAGAGCCCTCGGGCCCGCTCCAGGCCCTCTGGTCTCCGCTCCCTTAGCCCCGTTAAACCAAGAAATGTCTGAGGGGAGCCACCCTCG	8
GD1-12900-13020	858290	CCCTCGGGCCGCTCCAGGCGCCCTCTGGTCTCGCTCCCTCTTAGCCCCGTTAAACCAAGAAATGTCTGAGGGGAGCCACCCTCGGGGGCACCCAGCCAGAGTCCAGAGTCCAGG	8
GD1-14280-14400	1029948	GCCCAAGGGGGTTCCGCTTACAGGCCCTTACAGGCCCTTACGTAAGCCAGCAGAGCCAGCAACCTTGTCAAGTTCTAGGGAGGGGGACCTGCCCTGGTATAAAGTGGTCTCT	4
GD1-15780-15900	1373264	CCCAGGGTCTCCAGGAGGGTCCGGCATCTCCAGGGGAGGAGGCTCACCACCAGGCCCGCCAGACCAGGGTCTCGGGCAGCCAGCCAGCCGCCCGCGGGCGCCCTCTCGGG	12
GD1-17610-17730	1544922	TGCCCTGCCCGCGGGGCCACTTCATCACCGTCTGACTCCGCCATCCAGCCTAGGGGAGACCGAAGTGAAGTCCCTGGACCAGCCCGCGGGCGCCCGGGTATCGGGCCAGAGGT	8
GD1-18120-18240	1716580	CGTCTCCAGAGACCCGGGCTTCAGGCCCTGCCTCTCTCTTACCTTTTGAACACAGCCTGGACACATGTGCCAGACGCTGGGCCCTTAAGGCCCTCGGGTCCCGCTGGACCCCG	8
GD1-18150-18270	1888238	GCCTCTCTGTTACCTTTTGAACACAGCCTGGACACATGTGCCAGAGCCTGGGCTTAAGGCCCTCGGGTCCCGCTGGACCCCGCCCTAGCAACCTGCTGCTCCCGTCTGCTGCC	8
GD1-18180-18300	2059896	CCTGGACACATGTGCCAGAGCCTGGGCCCTAAGGCCCTCGGGTCCCGCTGGACCCCGCCCTAGCAACCTGCTGCTCCCGTCTGCCACCCAGCCCTCCCGCTCCCGTCCCGCT	8
GD1-18210-18330	2231554	CTAAGGCCCTCGGGTCCCGTGGACCCCGCCCTAGCAACCTGCTGCTCCCGTCTGCCACCCAGCCCTCCCGCTCCCGTCCCGTCCCGTCCCGTCCCGTCCCGTCCCGTCCCGTCCCGT	8
GD1-18240-18360	2403212	CCTCAGCAACCTGCTGCTCCCGTCTGCCACCCAGCCCTCCCGCTCCCGTCCCGTCCCGTCCCGTCCCGTCCCGTCCCGTCCCGTCCCGTCCCGTCCCGTCCCGTCCCGTCCCGT	8
GD1-21540-21660	2574870	AGGCCCGCGCCATTGGGCCAGATTGAGAGACAGTCCAGGGGGGAGGGTTGAGGCGAGCGGGACCCGAGGTCACAGCCCGGGTCCCTCCGGGGGACAGACAGGACAGGGGCCCGC	8
GD1-21570-21690	2746528	GACCAGTCCAGGGGCGGAGGTTGGAGCCAGCGGGCACCCAGGTCAGGAGCCCGGGTCCCTCCGGGGGAGAGACAGGAGGGGCCCGCGAGCTGGCCCGAGGAGGGCGCCCGGAG	12
GD1-21810-21930	2918186	GTCCGCTAGGCCCGGGAAAGTGAGGGGGATCGCCGGGGTCTGTGTTGCGAGAGTCCGGGGCATCTCTGAGACCCCTCGGGCCGAGCGCCCGCCCTAGGCCCGCCAGACAGCCCA	8
GD1-23130-23250	3089844	CCCCAGAAGCCCCAAAGTAGAGGCTCAGGCCATGCGCGCCCTGTACCAGGCGCTGCCAAAGAGCCAGATCTAAGGCCAGGAGGAGCCAGCCCAAGCGGGTGACAGTAAAGGTAATCT	4
GD1-23160-23280	3261502	GCCATGCGGCGCTGTACCAGGCTGCCAAAGAGCCAGATCTAAGGCCAGGAGGAGCCAGCCCAAGCGGGTGACAGTAAAGGTAATCTCTGGTAGTGATTTGGACCCGAAATCTGACA	4
GD1-23190-23310	3433160	AAGAGCCAGATCTAAGGCCAGGAGAGGCCAGCCCAAGCGGGTGACAGTAAAGGTAATCTCTGGTAGTGATTTGGACCCGAAATCTGACACTTTAGAGCTCTGGAGGACTTTAAACTCT	4
GD1-23220-23340	3604818	CCCCAAGCGGGTGACAGTAAAGGTAATCTCTGGTAGTGATTTGGACCCGAAATCTGACACTTTAGAGCTCTGGAGGACTTTAAACTCTAAAACTAAAACTAAAACTTAGAGGCGAATGGCGC	4
GD1-23250-23370	3776476	CTGGTAGTGATTTGGACCCGAAATCTGACACTTTAGAGCTCTGGAGGACTTTAAACTCTAAAACTAAAACTTAGAGGCGAATGGCGGCAATTTGTCGCCACGGCGCATATGGCG	4
GD1-23550-23670	3948134	GTAAGCCAGACAGCAAGTGTGAGTTCTAGGAGGGGACCCTGCCCTGGTATAAAGTGGTCTGAGCTATTTCTGGTCCGATCAGAGCGCCAGGAGTCCACACAAATGTAAGA	4
GD1-23790-23910	4119792	CTGACTCCGCATCCAAGCCTAGGGGAGACCGAAGTGAAGTCCCTGGACCAGCCCGCCCGGGGCCCGGGTATCGGGCCAGAGGTAAGTGGACTTTAATTTTCTGCTAAGCCCAACA	4
GD1-24510-24630	4291450	CTCTGGCCACGCACCTCGGGCCAGGCCACTTAGACCCGCGCAAGCCCATCCCTGAAGACCCAGCGGCCATTTCTCTGTGTAACGAGAGAGAAAGTAGAGGCCCGCGGCATTGG	4
GD1-25260-25380	4463108	TGTCTGAGGGGAGCCACCCTCGGGGCCAGGCCAGAGTCCAGAGGTCAGGGGACCTCAGGGTGCCTCCCGGGTCCAGGCCAGCCGAGGGAGCCCGCGCCCGGGCGCCCGCAG	12
GD1-25290-25410	4634766	GCCACAGATCCAGAGGTCAGGGACCTCAGGTGCTCCCGGGTCCAGGCGCCAGCCGAGGGACCCCGGAGGCGGGGCGCCAGGCGGGGCGGGGACAGGCGGGTCTCCCGGGCT	12
GD1-25320-25440	4806424	AGGGTCTCCCGGGTCCAGGCGCCGAGGACCCCGGCGCCAGCCGAGGGCGGGCGGGCAGAGCCGTTCTCGCCCTTCCCGGGCTTCAAGAGCCAGGATGTCGCCAGAAAGGAGCC	12
GD1-26130-26250	4978082	CTTTGTCAGATGTCAGGGGTCCCGAGGGCGAGGCCAGCCCGTCCACCCCTGTCCACTGCCCGGTCCCGCCAGAACGCCCCAAAGTAGAGGCTCAGGCCATGCGCGCCCTGTC	8
GD1-28740-28860	5149740	AGTCGCTTCCCTTCCCGTGGCTTCTTCCCGCTCCACCCAGGCCCTCAGCTTCCCTCCCGGGTCCATCAGGCCGGCGGAGGGACCCGGCGGGCGGGTGTCTAGTCC	8

GD1-29160-29280	5321398	TTGCCCCCTGGCGGCCAGCCCGACCCCGGGGCCCAAACTTTGTCCAGATGTCAGGGGTCGCCAGGGGCGAGGCCAGCCCTCCACCCCTGTCCACTGCCCGGTCCCC	12
GD1-30120-30240	5493056	TAAGAAGGCACCGTCCGCACTCTACCAGAGGGGCCAAGAACCAGACGAGTCCGTAGAAGGTCCTCGTCCAGCAAGAAGAGGAGTGGTAAGCGGTTACCTTCAGGGTAAAGTA	4
GD1-30150-30270	5664714	GAGGGGGCAAGAACCAGACGAGTCCGTAGAAGGTCCTCGTCCAGCAAGAAGAGGAGTGGTAAGCGGTTACCTTCAGGGTAAGTAACCTGACCTCTCCAGGGCTCACATAAAGG	4
GD1-32940-33060	5836372	CAGTTTCTAACTTTTCCCTTCCCTCCCTCTGCTTGGCCCTGGCCCGGGGCCACCTTATACCTCGCTGACTCCGCCATCAAAGCCTAGGGGAGACCAGAGTGAAGTCCCTGGACCA	4
GD1-34200-34320	6008030	TCAGCCCCCAGACAGACCCAGGGTCTCCAGGCAGGCTCCGGCATCTCCAGGGGACAGGCTACCACCACAGGCCCCAGACCCGGGTCTCGGCCAGCCGACGCGCCCGCC	8
GD1-34230-34350	6179688	AGGCAGGTCGGCATCTCCAGGGCAGCAGGCTACCACCACAGCCCCAGACCCGGGTCTCGGCCAGCGAGCCAGCCGCCCGCGCCGCCCTCTCCGGCCAGCCGCGCG	12
GD1-34260-34380	6351346	GGCTACCACCACAGGCCCCAGACCCGGTCTCGGCCAGCCGAGCCGGCCAGCCGCCGCGCTCGGTCGGGCGAGCCGCCGGGTTGGTTCTGCCCTCTCTCTGCTCA	12
GD1-34290-34410	6523004	GTCTCGCCAGCCAGCCGACCCGGCCCGCCGCGCCGCGCCCTCTCGGGGCCAGCCCGGGGTTGGTTCTGCCCTCTCTCTGTCTTCAGAGGAACCAGGGACCTCGGGACCCAGAG	8
GD1-37200-37320	6694662	GGGGCAGGGGAGGGGACAGGGCAAGTCCAGGGACAAAGCAAGCAAGCCGGTGGACCATTGGAGACCAGGCCAAACACCTCCAGTCTAGCATGCCTGAAGTCCAGTCCCGGTC	4
GD1-38340-38460	6866320	TGCGCCCGCCAGGTCTCGGGCAGCCGGCTTCTGGGCGCTCCGGGGCAGCCGGCGCGGCTGGGTCGCTGGGCCGTGCCCCGCTCCGGGTGGGGGTGGCCCGCTGGGC	12
GD1-38370-38490	7037978	CGTTCTGGCCTCCGGGGCAGCCGGCGCCCGCTGGTCCGCTGGCCGCTGCCCGCTCCGGGTGGGGGTGGCCCGCTGGGACCCGCTCGCCGCCAGGTCTGGGGCA	12
GD1-38460-38580	7209636	ACCGCTGCGCCCGCCAGGTCTGGGGCAGCCGGGTTCTGGCCGCTCCGGGGCAGCCGGCCCGGCTGGGTCGCTGGCCGCTCGGGTGGGGGTGGCCCGCT	12
GD1-38490-38610	7381294	GCCGGGTTCTGGCCTCGGGGGCAGCAGGGCGCCGCGCTGGGTCGCTGGGCCGTGCCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCCGCTCGCCGCCAGGTCTG	12
GD1-38760-38880	7552952	GGGGGACAGGGGCGCCGGTGGTCCGCTGGCCGCTGCCCGCTCCGGTGGGGGTGGCCCGCTGGGCACCCGCTCGCCGCCAGGTCTGGGGCAGCGGGTCTCTGGC	12
GD1-38790-38910	7724610	GCTGGCCCGTCCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCCGCTGCCCGCCCGCCAGTCTGGGGCAGCCGGGTTCTGGCCTCGGGGGCAGCAGGGCGGCCCGGTG	12
GD1-38820-38940	7896268	GTGGCCCGCTGGGACCCGCTCGCCGCCCGCAGTCTGGGGCAGCCGGGTTCTGGCCTCGGGGGCAGCAGGGCGCCCGCGGTGGTCCGCTGGGCCGTGCCCGCTCCGGT	12
GD1-39000-39120	8067926	CTGGCGCTCCGGGGCAGCAGGGCGCCCGTGGTCCGCTGGCCGCTGCCCGCTCCGGGTGGGGGTGGCCCGCTGGGACCCGCTCGCCGCCAGGTCTGGGGCAGCCGG	12
GD1-39600-39720	8239584	CCAGTCTCGGGCAGCCGGGTTCTGGCCTCGGGGGCAGCAGGCCGGCCCGGTTGGTCCGACAGACCGATGACCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCCGCTGCGC	12
GD1-39630-39750	8411242	GCTCCGGGGCAGCAGGCCGGCCCGGTTGGTCCGACAGACCGATGACCCGCTCCGGGTGGGGGTGGCCCGCTGGGCACCCGCTCGCCGCCAGGTCTGGGGCAGCCGGGTT	12
GD1-40800-40920	8582900	ATACCAGGTGGGTGAGTAGTAGTATGAGTATGAGTCTACTGGGTACCCCGCTACCCTACTTAAGGTGGCCACCCCTCCTCTTCCGTTTAAATGTAGAATAACCTATAGGT	4
GD1-40830-40950	8754558	AGTAGGTTCTACTGGGGTACCCCGCTACCCTACCTAAGGTGCGCACCCCTCCTCTCCGTTTAAATGGTAGAATAACCTATAGGTTAATACCTAGTGGTGAATAGGGTATTGC	4
GD1-40860-40980	8926216	CCTAGCTAAGGTGCGCCACCTCCTCCTTCCGTTTAAATGGTAGAATAACCTATAGGTTAATACCTAGGTTGGTGAATAGGGTATATACCTATAGGTAATAGCA	4
GD1-40890-41010	9097874	TCCGTTTTAAGTGTAGAATAACCTATAGTTAATACCTAGTGGTGAATAGGGTATTGACAGTGGGTATATACCTATAGGTTAATAGAACCTAGAGGAAGGAAACCCCTATAGTGAATC	4
GD1-40920-41040	9269532	TATTAACCTAGTGGTGAATAGGGTATTGACAGTGGGTATATACCTATAGGTTATAGAACCTAGAGGAAGGAAACCCCTATAGTGAATCCCTCCCGCCCTACCCCGCTCCCTTACG	4
GD1-40950-41070	9441190	AGCTGGGTATATACCTATAGGTATATAGAACCTAGAGGAAGGAAACCCCTATAGTGAATCCCTCCCGCCCTACCAGCCGTTGCCTAGAGCCATCCCGCCAGCCAGAC	4
GD1-40980-41100	9612848	CCTAGAGGAAGGAAACCTATAGTGAATCCCTCCCGCCCTACCAGCCCTCCTTACGGTTGCTGAGCCCATCCCGCCAGCACCAGCCGGGTTGACGTGGCACCAGCCGCTGCT	8
GD1-57540-57660	9784506	GGCTGCTGAGTGGAGGAGGAGGAGCCGGGGCGGCTGATTGACGGGCTGCTGCTGAGTGGAGGAGGAGAAAGAGTCTGGCCGTGGGGCTGCTGTCAGTCCGGGAAGGG	8
GD1-57570-57690	9956164	GCCGGGGCGGCTGATTGCAGGGCTGCTGCTGAGTTGGAGAGGAGGAGGAGTCCGCGGTGGGGCTGCTGCTGCAAGTCCGGGAAGGGGATGGGGTGTGCAGAGGATTTCTGGGTT	8
GD1-58110-58230	10127822	GAGTCCGAGCCGAGAGCCGGAGCCGAGAGCCGAGGCCAGAGCCGGTGCACAGAGCCGAGTGCAGAGCCGGAGCCGACAGAGCCGGAGCCGAGAGCCGGAGCCGAGAGCCG	12
GD1-58140-58260	10299480	GAGGCCGAGCCACAGAGCCGGTGCACAGAGCCGAGTGCAGAGCCGGAGCCGACAGAGCCGGAGCCGACAGAGCCGGAGCCGACAGAGCCGGAGCCGAGAGCCGGAGACGGC	12
GD1-58170-58290	10471138	GAGGCTGAGTGCAGAGCCGGAGCCGACAGAGCCGGAGCCGAGAGCCGGAGCCGACAGAGCCGGAGCCGACAGAGCCGGAGCCGAGAGCCGGAGCCGGAGGTTGGTCTTTGAGGACTATA	8
GD1-58200-58320	10642796	GAGCCGGAGCCGAGAGCCGGAGCCGACAGAGCCGGAGCCGAGAGCCGGAGCCGAGAGCCGGAGCCGAGAGCCGGAGCCGAGAGCCGGAGCCGGAGCCGGAGCCGGAGCCGGAG	8
GD1-61500-61620	10814454	CGCCACCCCGCCACACCCACAGCCCTCGCGGGGGCGTAGAGGGCCCGTGGTGCGCCGGGCTGCTGCTGCTGGCCCTCGCCCGCAGGTAGCCCGCCGGCCACAGGGC	12
GD1-61530-61650	10986112	GGCGGGCTAGAGGGGCCGCTGGTGGCCGGGCTGCTGCTCTGGCTCGGCCCTCCCGCCGAGGTAGGCGCCCGGGCCACAGGGGGAAGCGGCTCGTGGGGCTCGCGGTGGGCAG	12
GD1-61560-61680	11157770	GGCTGCTGCTGCTGGCTCGCCCTCCCGCCGACAGTGGCCGCGCCGGCCACAGGGCAGAGCGGCTCGTGGGGTCCGGGTGGGCAGAGTGGGAAAGTGCAGGGCAAGGCCGA	8
GD1-77820-77940	11329428	ATATGTGACGTTGCTCTGAGATTGAACCTGGGTTCTGACAGTGCAGTGAAGAGGTTGAACCTGAAGTATGTTATGTTGGCTGTGGTAACAGCACTGTTGCATTTTTGGTTGGTGGTA	4
GD1-81780-81900	11501086	TATCCCTCAGCAACCAATGGAGGGGCTGGTCCCGCTTTAGCCAGGTTGCTGATGGTCCACACACCTGGGGTACCAGCGATGCAGCCACAGTCTTACCTCCCTTAAATCAAC	4
GD1-81810-81930	11672744	GTGCCCCCTTAGCCAGGTTGCTGATGGTCCACACACCTGGGGTACCAGCGATGCAGCCACAGTCTTGAACCTCCCTTAAATCAACCCATTAGCCAGGGGCAACCCGTGCCCGCT	4
GD1-81840-81960	11844402	TCCACACACCTGGGGTACCGGCATGCAGCCACAGTACTTGGACCTCCCTTAATTCAACCCATTAGCCAGGGGCAACCCGTGGCCCGTGGAGGCTAGTATGGCCCGGTACCTCCGG	4
GD1-87690-87810	12016060	CTCCTGCCCGGGGCTCTGCGCGGGGCTCACATACTGACGCCTCCTTCCGCGGGCTCGTATAATGGCCTCCGCTGTCAGTATGTTATGAGGGAGCCAGAGCTCCCGCAGT	8
GD1-87720-87840	12187718	CTCACATACTGACGCCTCCTTCCCGCCGGCCTGTATAATGGCGCCTCCCGTCTGACGATGTTTATGAGGGAGCCAGAGTCCCGCAGTCCACCGGCCGTAACCTCAGTGTCTTGGG	4
GD1-96360-96480	12359376	CAGGAGCAGGAGGGCAGGAGGGCAGGAGCAGGAGGAGGAGCAGGAGGGCAGGAGCAGGAGGAGGGCAGGAGGAGGGCAGGAGCAGGAGGGGAGGAGGAGGAGGAGGAGGAGG	8
GD1-96390-96510	12531034	CAGGGAGGAGGAGGAGGAGGGCAGGAGGAGGAGGGCAGGAGGGCAGG	8
GD1-140790-140910	12702692	CTCGGGGGCGGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGCTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGT	12
GD1-140850-140970	12874350	GGGTGGCCGCTCAGCCGGTCCGGGTTCCGGCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGTCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGCTGCAGCC	12
GD1-140880-141000	13046008	CCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGG	12
GD1-140910-141030	13217666	GGCCACCCGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGCTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCCGGTCCGCTG	12
GD1-140940-141060	13389324	CGTCCGGCGGGGTGGCCGCTGCAGCCGGTCCGGGTTCCGGCCTGGAGCTCGGGGGCGCCGGTCCGGGTCAGGCGGGCCAGCCGGTCCGCTGGTCCGCTCCCGCTCCGGCGGGGGTGG	12
GD1-140970-141090	13560982	GGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGTTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGCTGCAGCCGGTCCGGGTTCCGGCC	12
GD1-141000-141120	13732640	GGGGCGGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCCA	12
GD1-141030-141150	13904298	GGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCC	12

GD1-141060-141180	14075956	CCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCC	12
GD1-141090-141210	14247614	CTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGG	12
GD1-141120-141240	14419272	CCGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCG	12
GD1-141150-141270	14590930	GGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCT	12
GD1-141180-141300	14762588	GGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAG	12
GD1-141210-141330	14934246	CCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGT	12
GD1-141300-141420	15105904	CTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGT	12
GD1-141330-141450	15277562	CCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCC	12
GD1-141420-141540	15449220	GGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTG	12
GD1-141450-141570	15620878	CGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGG	12
GD1-141480-141600	15792536	GGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCC	12
GD1-141510-141630	15964194	GGGGCGGGGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCCA	12
GD1-141540-141660	16135852	GGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCC	12
GD1-141600-141720	16307510	CTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGG	12
GD1-141630-141750	16479168	CCGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCG	12
GD1-141660-141780	16650826	GGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCT	12
GD1-141690-141810	16822484	GGGGTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAG	12
GD1-141720-141840	16994142	CCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGT	12
GD1-141750-141870	17165800	CTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGG	12
GD1-141840-141960	17337458	CCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCC	12
GD1-141870-141990	17509116	GGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCC	12
GD1-141900-142020	17680774	CCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGG	12
GD1-141930-142050	17852432	GGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTG	12
GD1-141960-142080	18024090	CGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGG	12
GD1-142110-142230	18195748	CTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGG	12
GD1-142140-142260	18367406	CCGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCG	12
GD1-142170-142290	18539064	GGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCT	12
GD1-142200-142320	18710722	GGGGTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAG	12
GD1-142230-142350	18882380	CCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGT	12
GD1-142260-142380	19054038	CTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGG	12
GD1-142290-142410	19225696	GCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTT	12
GD1-142320-142440	19397354	CTGGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGT	12
GD1-142350-142470	19569012	CCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCC	12
GD1-142380-142500	19740670	GGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCC	12
GD1-142410-142530	19912328	CCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGG	12
GD1-142440-142560	20083986	GGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTG	12
GD1-142470-142590	20255644	CGTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGG	12
GD1-142500-142620	20427302	GGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCC	12
GD1-142530-142650	20598960	GGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCCA	12
GD1-142560-142680	20770618	GGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCC	12
GD1-142740-142860	20942276	CCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGT	12
GD1-142770-142890	21113934	CTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGG	12
GD1-142800-142920	21285592	GCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTT	12
GD1-142830-142950	21457250	CTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGT	12
GD1-142860-142980	21628908	CCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCC	12
GD1-142890-143010	21800566	GGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCC	12
GD1-142920-143040	21972224	CCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGG	12
GD1-142950-143070	22143882	GGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTG	12
GD1-142980-143100	22315540	CGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGG	12
GD1-143010-143130	22487198	GGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCC	12
GD1-143040-143160	22658856	GGGGCGGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGCCGGTGGCCCA	12

GD1-143070-143190	22830514	GGTCCGCTGCCCGCTCCGGCGGGGGTGGCCGGCTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCGGGTCCGCTGGTCCGCTGCCCGCTCC	12
GD1-143100-143220	23002172	CCGGCTGCAGCCGGTCCGGGTTCCGGCCCTGGAGCTCGGGGGCGGCCGGTGGCCACCGGGTCCGCTGGGTCGCTGCCCGCTCCGGCGGGATGGGGTGCCTCCAGGCCGG	12
GD1-143760-143880	23173830	ACCCTACCTTAAGGTGCGCACCCCTTCTCTTCCGTTTAAATGAAAGAATAACCTATAGTTTATTAACCTAGTGGTGAATAGGGTATTGCAGCTGGGTATACCTATAGGTATATAGA	4
GD1-143790-143910	23345488	TTCCGTTTTAATGAAAGAATAACCTATAGTTTATTAACCTAGTGGTGAATAGGGTATTGCAGCTGGGTATATACCTATAGGTATATAGAACCTAGAGGAAGGGAACCCATATAGTGAAT	4
GD1-143820-143940	23517146	TTATTAACCTAGTGGTGAATAGGGTATTGCAGCTGGGTATATACCTATAGGTATATAGAACCTAGAGGAAGGGAACCCATAGTGTAACTCCCTCCCCCCTACCCCCCTCCCTTAC	4
GD1-143850-143970	23688804	CAGCTGGGTATATACCTATAGGTATATAGAACCTAGAGGAAGGGAACCCATAGTGTAACTCCCTCCCCCTACCCCCCTCCCTTACGGTGTCTTGGAGCCATCCCCACCCAGCA	4
GD1-143880-144000	23860462	ACCTAGAGGAAGGGAACCCATAGTGTAACTCCCTCCCCCTACCCCCCTCCCTTACGGTGTCTTGGAGCCATCCCCACCCAGCAACCCCGGGTACGTGGCACCCCGCGTGCCT	8
GD1-143910-144030	24032120	CCCTCCCCCCTACCCCCCTCCCTTACGGTGTCTTGGAGCCATCCCCACCCAGCAACCCCGGGTACGTGGCACCCCGCGTGCCTTACTGACTTGTACACCTTGTGCACATTTGGTC	8
GD1-143940-144060	24203778	GGTGTCTTGGAGCCATCCCCACCCAGCACCCCGGGTACGTGGCACCCCGCGTGCCTTACTGACTTGTACACCTTGTGCACATTTGGTACGTGACCGATGCTGCCACTTCCCTGGGTC	4
GD1-143970-144090	24375436	CCCCGGGGTACGTGGCACCCCGCGTGCCTTACTGACTTGTGCACATTTGGTACGTGACCGATGCTGCCACTTCCCTGGGTATGACCTGGCCTGTGCCTTGTCCCGTGGAC	4
GD1-144000-144120	24547094	TACTGACTTGTACACCTTGTGCACATTTGGTACGTGACCGATGCTGCCACTTCCCTGGGTATGACCTGGCCTGTGCCTTGTCCCGTGGACAATGTCCCTCAGCGTGGTGGCTGCCTTTG	4
GD1-144030-144150	24718752	AGCTGACCGATGCTGCCACTTCCCTGGGTATGACCTGGCCTGTGCCTTGTCCCGTGGACAATGTCCCTCAGCGTGGTGGCTGCCTTTGGGATGCATCACTTTAGCCACTAAGCCCC	4
GD1-167910-168030	24890410	TCAGGGTCTGTGGCCATTGTATCAGTGTGTGAGGGTCTGTGGGCCATTGTGAGGACCACTCCAGGTGCGCCTAGGTTTGGAGGACAGAGTGGGGTCCGTGCCGGCCCCACTC	4
GD1-169500-169620	25062068	GGGGGGCGCATTCTGGAAAAAGTGGAGGGGGCGTGGCCTGCCCGCGGGCCCCCTAGCCCCCGCACAGCGCGCGCAACGGCGGGCGGGCGGGGGGGTCCGGGTCGGCGGGCTC	12
GD1-169710-169830	25233726	GAGGGGACAGGGTCCGACGGGGCGTGTCTGGTGGGGCGGGAGCGGGGGCGCGCGGGAGCCTGCACCGCTTGGAGGGGAGAATGACAGGGGGCGGGGACAGAGAGCGGTGCGGCC	12
GD1-169740-169860	25405384	GTGGGGCGGGAGCGGGGGCGCGGGAGCCTGCACGCGCTTGGAGGGGAGAATGACAGGGGGCGGGGACAGAGAGCGGTGCGCCCCCGCGCGGCAAGCCCCGGGGGG	12
GD1-169770-169890	25577042	GCCTGCACGCCGTTGGAGGGGAGAATGACAGGGGGCGGGGACAGAGAGCGGTGCGCCCCCGCGCGCGCAAGCCCCGGGGGGCGGGGCGCGGGCGCGGAGCGTACGAAGG	12
GD1-169800-169920	25748700	GGGGGGCGGGACAGAGAGCGGTGCGCCCCCGCGCGCGCAGGCAAGCCCCGGGGGGCGGGGCGGGGCGCGGGAGCGTACGAAGGGCCCCAGGGCTGACCCCGCAACAGTGAAC	12
GD1-170010-170130	25920358	GGGGGGGGGGCGTGGGGCATGGGGGCGCATTCCTGGAAAAAGTGGAGGGGGCGTGGCCTGCCCGCGGGCCCCCTAGCCCCCGCACAGCGCGCGCAACGGCGGGCGGGCGGGG	12
GD1-170190-170310	26092016	GAAGGGGGGGTCCGGGGCGCGCGCCCCAGCCATGCGTGACCGCATGAGGGGACAGGGTGCAGGGGGCGTGTCTGGTGGGGCGGGAGCGGGGGCGCGCGGGAGCCTGCACG	12
GD1-170220-170340	26263674	CCAGCCATGCGTGACCGCATGAGGGGACAGGGTCCGAGGGGGCGTGTCTGGTGGGGCGGGAGCGGGGGCGCGCGGGAGCCTGCACGCGCTTGGAGGGGAGAATGACAGGGGGCGG	12
GD1-170250-170370	26435332	GGGTGCGAGGGGGCGTGTCTGGTGGGGCGGGAGCGGGGGCGCGCGGGAGCCTGCACGCGCTTGGAGGGGAGAATGACAGGGGGCGGGGACAGAGAGCGGTGCGCCCCCGGCCG	12
GD1-170520-170640	26606990	GGCCCCAGGAAAGACCCCGGGGGCATGGGGGCGCATTCTGGAAAAAGTGGAGGGGGCGTGGCTGCCCGCGGGCCCCCTAGCCCCCGCACAGCGCGCGCAACGGCGGGG	12
GD1-170550-170670	26778648	GGGGGCGCATTCTGGAAAAAGTGGAGGGGGCGTGGCCTGCCCGCGGGCCCCCTAGCCCCCGCACAGCGCGCGCAACGGCGGGCGGGGGGGTCCGGGTCGCGGGCTCC	12
GD1-170700-170820	26950306	GTTACAGGGAAAGGGGGGGTCCGGGGCGCGCGCCCCAGCCATGCGTGACCGCATGAGGGGACAGGGTGCAGGGGGCGTGTCTGGTGGGGCGGGAGCGGGGGCGCGCGGGAG	12
GD1-170730-170850	27121964	GCGCCCGCCAGCCATGCGTGACCGTATGAGGGGACAGGGTCCGAGGGGGCGTGTCTGGTGGGGCGGGAGCGGGGGCGCGCGGGAGCCTGCACGCGCTTGGAGGGGAGAATGACAG	8
GD1-170760-170880	27293622	AGGGGACAGGGTCCGAGGGGGCGTGTCTGGTGGGGCGGGAGCGGGGGCGCGCGGGAGCCTGCACGCGCTTGGAGGGGAGAATGACAGGGGGGGGGGACAGAGAGCGGTGCGCCCC	12
GD1-170790-170910	27465280	TGGGGCGGGAGCGGGGGCGCGCGCGCCGAGCCTGCACCGCTTGGAGGGGAGAATGACAGGGGGCGGGGACAGAGAGCGGTGCGCCCCCGCGCGGCAAGCCCCGGGGGG	12
GD1-170820-170940	27636938	CCTGCACGCCGTTGGAGGGGAGAATGACAGGGGGCGGGGACAGAGAGCGGTGCGCCCCCGCGCGCGCAGGCAAGCCCCGGGGGGCGGGGCGCGGGCCCGGAGCGTACGAAGGG	12
GD1-170850-170970	27808596	GGGGCGGGGACAGAGAGCGGTGCGCCCCCGCGCGCGCAGGCAAGCCCCGGGGGGCGGGGCGCGGGCCCGGAGCGTACGAAGGGCCCCAGGGCTGACCCCGCAACAGTGAAC	12
GD1-170880-171000	27980254	CCGGCCCGCGCAGGCAAGCCCCGGGGGGCGGGGCGCGGGCCCGGGAGCGTACGAAGGGCCCCAGGGCTGACCCCGGCAACAGTACCCGGGGTCCGGGGTACCCAGCCAAGCGTGA	12
GD1-170910-171030	28151912	GGGGCGGGCGCGGAGCGTACGAAGGGCCCCAGGGCTGACCCCGCAACAGTACCCGGGGTCCGGGGTACCCAGCCAAGCGTACCAAGGGGGCGCTGGGTGACACAGGCAACC	8
GD1-171060-171180	28323570	GGGGGGGGGCGTGGGGCATGGGGGCGCATTCTGGAAAAAGTGGAGGGGGCGTGGCCTGCCCGCGGGCCCCCTAGCCCCCGCACAGCGCGCGCAACGGCGGGCGGGGGGG	12
GD1-171090-171210	28495228	TTCTGGAAAAAGTGGAGGGGGCGTGGCCTGCCCGCGGGCCCCCTAGCCCCCGCACAGCGCGCGCAACGGCGGGCGGGGGGGTCCGGGGTCCGGGGTCCGGGGGCTCCGGGGGCTGC	12
GD1-171240-171360	28666886	AAGGGGGGGTCCGGGGCGCGCGCCCCAGCCATGCGTGACCGTATGAGGGGGAGGGTCCGAGGGGGTGTCTGGTGGGGCGGGAGCGGGGGCGGGCGGGGAGCCTGCACGC	12
GD1-171420-171540	28838544	GCAGGCAAGCCCCGGGGCGGGGCGCGGGCCCGGGAGCGTACGAAGGGCCCCAGGGCTGACCCCGGCAACAGTACCCGGGGTCCGGGGTACCCAGCCAAGCGTACCAAGGGG	12
GD1-171450-171570	29010202	GCCCGGAGCGTACGAAGGGCCCCAGGGCTGACCCCGCAACAGTACCCGGGGTCCGGGGTACCCAGCCAAGCGTACCAAGGGGGCGTGGGTGACACAGGCAACCTGACAAAG	8
GD1-171537-171657	29181860	GGCCCGTGGTACACAGGCAACCTGACAAAGGGCCCCAGGAAAGACCCCGGGGGGATCCGGGGGGTGTGGCGGGGGCATGGGGGGTCCGATTTCCGCTTATTGCCCTGTTT	8
GD1-171537-171657	29353518	GGCCCGTGGTACACAGGCAACCTGACAAAGGGCCCCAGGAAAGACCCCGGGGGGATCCGGGGGGTGTGGCGGGGGCATGGGGGGTCCGATTTCCGCTTATTGCCCTGTTT	8