

Fig S1

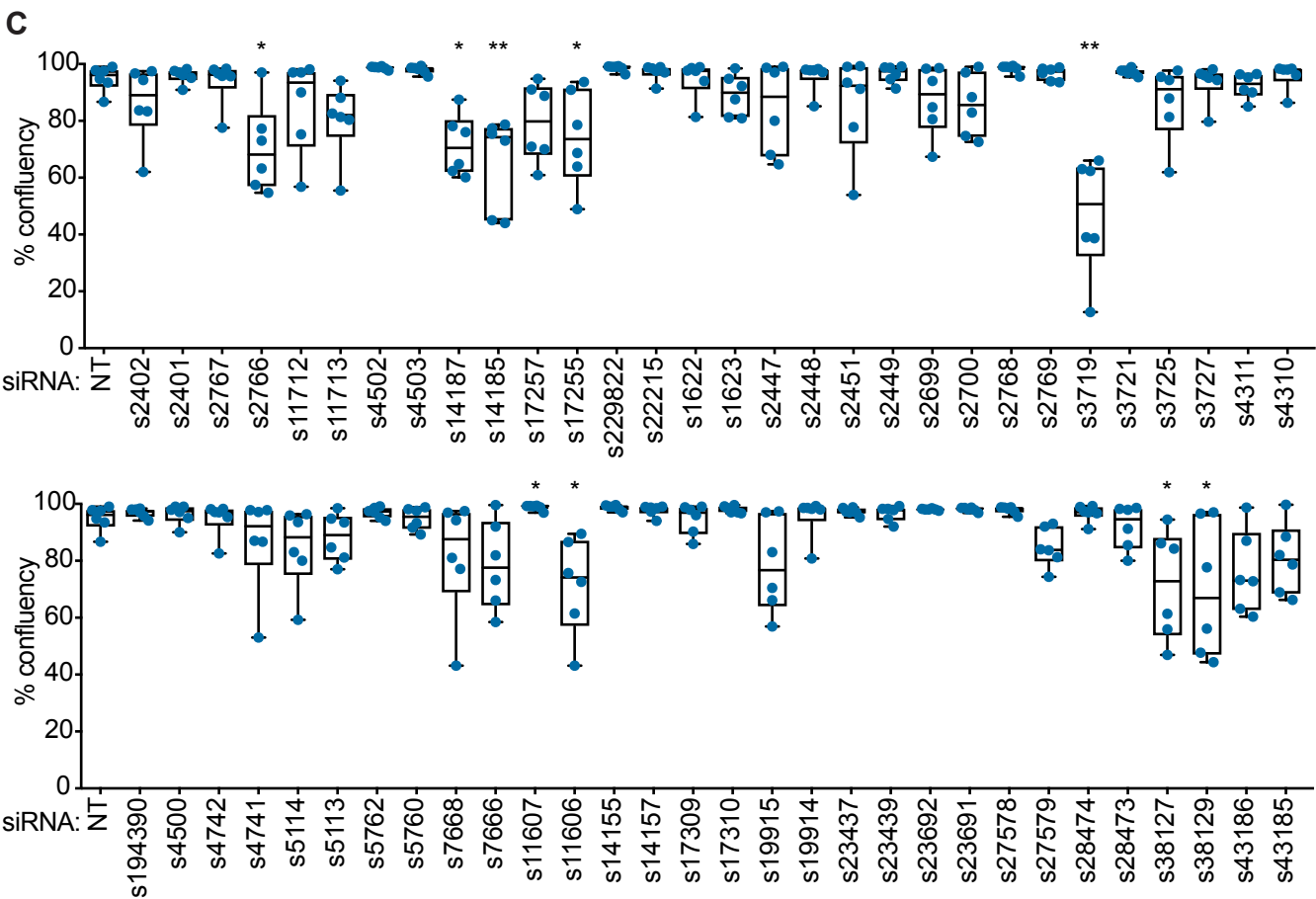
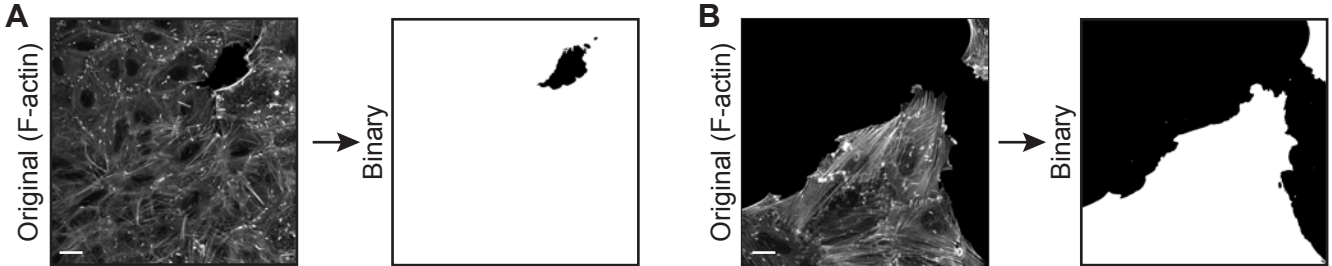


Fig S2

Table S1: Primary siRNA screen results

			NT Avg: 11.34 <i>Listeria A</i>	NT Avg: 12.2 <i>Listeria B</i>	NT Avg: 83 <i>Listeria A</i>	NT Avg: 85.7 <i>Listeria B</i>
increased 2+ SD						
decreased 2+ SD						
Entrez Gene ID	siRNA ID	Gene Symbol	Avg Cluster Size	Avg Cluster Size	# Clusters/well	# Clusters/well
10093	s288550	ARPC4	10.35	10.48	57	65
ArpC4	s288549	ARPC4	14.73	13.74	125	120
	s288548	ARPC4	8.90	9.06	67	67
832	s2403	CAPZB	7.66	8.33	61	67
CapzB	s2402	CAPZB	9.39	8.91	94	117
	s2401	CAPZB	9.55	9.51	109	105
163	s38	AP2B1	9.56	10.99	91	86
AP2B1	s37	AP2B1	9.91	11.91	91	76
	s36	AP2B1	11.37	10.42	82	84
382	s1567	ARF6	11.46	11.16	74	79
ARF6	s1565	ARF6	10.04	10.68	79	68
	s223978	ARF6	10.72	11.92	72	77
387	s760	RHOA	10.66	12.43	76	83
RhoA	s759	RHOA	9.70	10.79	90	80
	s758	RHOA	8.36	8.80	44	50
389	s99	RHOC	8.27	9.92	55	65
RhoC	s98	RHOC	10.56	9.68	88	79
	s97	RHOC	9.92	10.77	75	74
408	s1622	ARRB1	5.65	8.83	65	63
beta-arrestin 1	s1624	ARRB1	7.35	9.45	72	65
	s1623	ARRB1	6.76	6.27	42	51
409	s1627	ARRB2	11.16	12.75	31	48
beta-arrestin2	s1625	ARRB2	9.39	10.19	57	68
	s1626	ARRB2	11.74	11.32	77	76
857	s2447	CAV1	9.18	8.30	73	67
Caveolin 1	s2446	CAV1	8.64	11.83	78	48
	s2448	CAV1	9.30	7.80	67	97
858	s2451	CAV2	7.87	8.25	103	108
Caveolin 2	s2449	CAV2	8.48	9.56	91	82
	s2450	CAV2	9.71	13.45	80	56
928	s2598	CD9	11.84	16.02	80	63
TSPAN-29	s2597	CD9	12.02	11.57	89	82
	s2599	CD9	10.04	9.39	69	64
960	s284408	CD44	8.69	10.60	55	75
CD44	s307357	CD44	11.80	10.16	71	86
	s284407	CD44	11.27	12.66	119	112
967	s2699	CD63	6.97	9.53	38	43
Tspan30/CD63	s2700	CD63	8.77	9.01	78	81
	s2701	CD63	9.56	11.48	61	69
975	s2723	CD81	8.89	10.48	83	82
Tsapn-28/CD81	s2722	CD81	11.07	12.20	87	80
	s2724	CD81	8.84	10.37	50	59
977	s194332	CD151	7.74	8.04	42	57
TSPAN-24	s194333	CD151	11.79	13.24	96	84
	s2728	CD151	12.04	12.67	83	69

		NT Avg: 11.34 <i>Listeria A</i>		NT Avg: 12.2 <i>Listeria B</i>		NT Avg: 83 <i>Listeria A</i>		NT Avg: 85.7 <i>Listeria B</i>	
increased 2+ SD decreased 2+ SD									
Entrez Gene ID	siRNA ID	Gene Symbol	Avg Cluster Size	Avg Cluster Size	# Clusters/well	# Clusters/well			
998	s2767	CDC42	6.97	6.69	93	96			
Cdc42	s2766	CDC42	4.05	7.17	41	52			
	s2765	CDC42	8.72	10.53	93	94			
999	s2768	CDH1	9.50	4.67	6	21			
E-cadherin	s2769	CDH1	7.00	6.07	11	42			
	s2770	CDH1	9.11	7.52	35	63			
1000	s2772	CDH2	8.31	17.09	55	67			
N-cadherin, type 1	s2773	CDH2	10.91	10.16	95	112			
	s2771	CDH2	8.07	10.40	102	96			
1173	s3114	AP2M1	8.21	9.57	107	81			
AP2-u2	s3112	AP2M1	9.75	11.04	84	93			
	s3113	AP2M1	13.03	14.54	120	98			
1213	s477	CLTC	9.11	10.64	120	95			
Clathrin Heavy Chn	s476	CLTC	11.67	13.67	108	95			
	s475	CLTC	13.22	14.94	114	95			
1495	s3716	CTNNA1	7.23	10.65	78	63			
alpha-catenin 1	s3717	CTNNA1	7.84	7.64	86	114			
	s3718	CTNNA1	9.38	13.50	102	74			
1496	s3719	CTNNA2	6.05	6.74	38	50			
alpha-catenin 2	s3721	CTNNA2	9.48	10.24	95	83			
	s3720	CTNNA2	12.34	12.80	67	80			
1499	s438	CTNNB1	11.09	9.18	45	66			
beta-catenin	s437	CTNNB1	11.73	10.81	60	72			
	s436	CTNNB1	7.66	7.48	59	63			
1500	s3726	CTNND1	10.43	11.68	79	72			
p120 catenin	s3725	CTNND1	4.95	6.50	115	103			
	s3727	CTNND1	6.18	8.72	40	60			
1785	s285562	DNM2	11.46	10.28	95	96			
dynammin-2	s285561	DNM2	11.86	11.16	91	99			
	s285560	DNM2	9.55	12.15	74	89			
1824	s4311	DSC2	6.27	8.39	75	88			
desmocollin-2	s4309	DSC2	10.81	11.55	75	95			
	s4310	DSC2	8.49	9.86	81	97			
1825	s4312	DSC3	9.41	11.23	75	99			
desmocollin-3	s4313	DSC3	12.39	13.46	74	81			
	s4314	DSC3	13.88	12.82	77	76			
1828	s4321	DSG1	12.26	12.75	93	99			
desmoglein-1	s4323	DSG1	9.92	12.68	71	74			
	s4322	DSG1	10.32	9.98	95	90			
1829	s4326	DSG2	9.56	11.30	109	97			
desmoglein-2	s4324	DSG2	9.91	13.15	91	82			
	s4325	DSG2	9.96	11.48	89	92			
1832	s4335	DSP	9.02	10.87	60	63			
Desmoplakin	s4334	DSP	9.07	10.28	88	87			
	s4333	DSP	12.85	10.41	97	95			
1943	s194390	EFNA2	9.13	10.20	76	75			

		NT Avg: 11.34 <i>Listeria A</i>		NT Avg: 12.2 <i>Listeria B</i>		NT Avg: 83 <i>Listeria A</i>		NT Avg: 85.7 <i>Listeria B</i>	
		increased 2+ SD		decreased 2+ SD					
Entrez Gene ID	siRNA ID	Gene Symbol	Avg Cluster Size	Avg Cluster Size	# Clusters/well	# Clusters/well			
Ephrin-A2	s223469	EFNA2	8.76	11.35	114	97			
	s4500	EFNA2	8.01	9.41	73	92			
1944	s4501	EFNA3	10.26	11.01	89	107			
Ephrin-A3	s4502	EFNA3	7.68	7.48	72	84			
	s4503	EFNA3	8.04	7.80	69	88			
1945	s371795	EFNA4	10.98	13.06	101	97			
Ephrin-A4	s371794	EFNA4	10.07	11.68	73	76			
	s371793	EFNA4	10.84	11.02	107	91			
1946	s4508	EFNA5	8.46	8.49	87	92			
Ephrin-A5	s4507	EFNA5	11.01	11.33	93	96			
	s4509	EFNA5	14.11	14.34	53	50			
1947	s4511	EFNB1	7.40	9.89	45	63			
Ephrin-B1	s4510	EFNB1	10.68	9.63	81	92			
	s4512	EFNB1	11.59	11.26	74	95			
1948	s4515	EFNB2	8.91	9.42	96	69			
Ephrin-B2	s4513	EFNB2	10.51	10.58	87	101			
	s4514	EFNB2	10.22	11.83	92	80			
1969	s4564	EPHA2	9.18	11.57	45	67			
Ephrin type A receptor 2	s4566	EPHA2	10.62	11.98	78	82			
	s4565	EPHA2	12.41	9.90	74	87			
2017	s345349	CTTN	10.37	10.26	63	85			
cortactin	s345348	CTTN	13.29	11.92	82	95			
	s345347	CTTN	11.92	10.57	83	89			
2041	s4721	EPHA1	8.80	10.88	107	80			
Ephrin type A receptor 1	s4719	EPHA1	9.99	11.84	77	91			
	s223490	EPHA1	10.37	11.73	105	107			
2042	s4724	EPHA3	9.17	12.47	82	91			
Ephrin type A receptor 3	s4722	EPHA3	10.76	10.24	88	90			
	s4723	EPHA3	8.99	10.55	91	85			
2045	s4733	EPHA7	8.92	11.69	48	95			
Ephrin type A receptor 7	s4731	EPHA7	8.41	10.49	76	81			
	s4732	EPHA7	5.28	6.29	47	68			
2046	s4736	EPHA8	9.13	10.72	79	92			
Ephrin type A receptor 8	s4735	EPHA8	11.22	12.46	82	100			
	s223498	EPHA8	9.38	8.53	80	75			
2048	s4742	EPHB2	6.97	7.76	76	71			
Ephrin type B receptor 2	s4741	EPHB2	8.80	10.31	82	80			
	s4740	EPHB2	12.10	13.63	98	80			
2049	s4743	EPHB3	11.39	11.56	70	80			
Ephrin type B receptor 3	s4745	EPHB3	11.77	12.18	82	85			
	s4744	EPHB3	10.69	11.25	104	102			
2241	s5110	FER	9.67	10.14	92	84			
Fer (F-bar)	s5111	FER	10.76	11.51	100	90			
	s5109	FER	10.46	10.31	48	74			
2242	s5114	FES	7.64	9.78	97	77			
Fes (F-bar)	s5113	FES	8.13	9.36	100	90			

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increased 2+ SD									
decreased 2+ SD									
Entrez Gene ID	siRNA ID	Gene Symbol	Avg Cluster Size	Avg Cluster Size	# Clusters/well	# Clusters/well			
	s5112	FES	10.31	14.08	91	91			
2319	s5285	FLOT2	10.92	12.39	97	93			
Flotillin 2	s5286	FLOT2	12.09	12.06	90	96			
	s5284	FLOT2	7.95	10.04	96	96			
2697	s5757	GJA1	9.27	12.73	98	93			
Connexin 43	s5758	GJA1	9.87	10.52	92	95			
	s5759	GJA1	11.57	13.47	84	114			
2700	s5761	GJA3	9.32	10.16	77	89			
Connexin 46	s5762	GJA3	9.52	10.33	87	103			
	s5760	GJA3	8.95	10.02	61	83			
2701	s5763	GJA4	8.71	9.36	78	87			
Connexin 37	s5765	GJA4	8.89	10.75	96	91			
	s5764	GJA4	10.88	14.08	73	75			
2702	s5767	GJA5	10.41	9.23	85	79			
Connexin 40	s5768	GJA5	10.01	10.08	94	87			
	s5766	GJA5	11.26	11.20	90	101			
2706	s5775	GJB2	13.13	12.49	90	102			
Connexin 26	s5777	GJB2	9.75	8.85	79	74			
	s5776	GJB2	13.88	12.34	94	116			
2707	s5779	GJB3	11.03	9.68	90	111			
Connexin 31	s5778	GJB3	12.38	9.22	90	100			
	s5780	GJB3	9.20	9.17	56	72			
2709	s5783	GJB5	11.12	10.63	106	115			
Connexin 31.3	s223727	GJB5	9.77	12.46	79	98			
	s5782	GJB5	9.88	10.89	94	101			
3383	s7087	ICAM1	9.81	10.56	88	71			
ICAM1	s7088	ICAM1	10.20	11.83	98	103			
	s7086	ICAM1	7.68	8.66	37	59			
3728	s7668	JUP	8.67	9.16	95	119			
gamma-catenin	s7666	JUP	7.44	9.99	59	72			
	s7667	JUP	11.56	10.75	86	113			
4478	s8985	MSN	7.08	10.65	59	74			
Moesin	s8984	MSN	10.66	13.86	93	95			
	s8986	MSN	7.78	10.03	69	77			
5110	s10130	PCMT1	10.23	13.83	80	84			
Endophilin-B1	s10132	PCMT1	10.47	12.14	108	95			
	s10131	PCMT1	9.62	10.47	61	85			
5819	s11607	PVRL2	9.24	9.63	91	95			
Nectin 2	s11606	PVRL2	7.24	10.10	58	60			
	s11608	PVRL2	9.99	11.26	87	72			
5868	s11678	RAB5A	11.59	11.92	80	77			
Rab5a	s11680	RAB5A	11.43	12.95	69	77			
	s11679	RAB5A	12.89	9.28	74	76			
5879	s11712	RAC1	6.24	7.97	45	86			
Rac1	s11711	RAC1	4.27	3.96	52	55			
	s11713	RAC1	5.15	7.38	67	64			

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				Avg Cluster Size	Avg Cluster Size	# Clusters/well	# Clusters/well
Entrez Gene ID	siRNA ID	Gene Symbol					
5962	s11899	RDX	9.45	10.10	86	102	
Radixin	s11900	RDX	11.11	11.41	85	98	
	s11901	RDX	9.77	12.42	52	83	
6455	s12796	SH3GL1	11.32	12.44	93	91	
Endophilin-A2	s12797	SH3GL1	8.92	11.48	91	75	
	s12798	SH3GL1	10.25	10.96	106	100	
7082	s14155	TJP1	9.33	9.86	75	98	
ZO-1	s14156	TJP1	12.66	10.87	82	99	
	s14157	TJP1	9.28	10.37	82	84	
7094	s14187	TLN1	7.73	10.85	110	122	
Talin 1	s14186	TLN1	5.07	8.18	91	110	
	s14185	TLN1	9.58	9.55	113	121	
7106	s14216	TSPAN4	10.11	11.98	96	80	
TSPAN-4/NAG-2	s14215	TSPAN4	12.30	11.51	89	93	
	s14217	TSPAN4	9.74	8.86	39	73	
7251	s14439	TSG101	11.04	14.11	94	72	
Tsg101 (ESCRT-I)	s14440	TSG101	9.27	10.77	84	87	
	s14441	TSG101	9.83	9.42	70	88	
7412	s14759	VCAM1	10.99	10.35	82	68	
VCAM-1	s14761	VCAM1	11.83	12.65	95	97	
	s14760	VCAM1	10.26	11.03	98	93	
7414	s14762	VCL	9.12	10.14	85	91	
Vinculin	s14763	VCL	10.83	11.79	88	103	
	s14764	VCL	11.55	12.37	91	90	
7430	s14796	EZR	11.38	12.09	98	96	
Ezrin	s14795	EZR	10.92	10.81	95	101	
	s14797	EZR	9.96	11.91	104	94	
8436	s16008	SDPR	10.30	9.40	89	105	
Cavin-2	s16006	SDPR	10.06	9.52	66	94	
	s16007	SDPR	10.90	10.67	94	93	
8522	s16201	GAS7	9.15	8.69	81	85	
GSA7 (F-bar)	s16202	GAS7	9.27	11.48	74	63	
	s16200	GAS7	10.18	9.20	89	90	
8976	s17134	WASL	11.42	12.10	113	111	
N-WASP	s17133	WASL	8.35	10.94	113	95	
	s17132	WASL	7.07	11.39	75	74	
9050	s17253	PSTPIP2	10.07	10.75	71	72	
PSTPIP2	s17254	PSTPIP2	12.99	14.48	73	97	
	s17252	PSTPIP2	11.68	12.78	104	91	
9051	s17257	PSTPIP1	8.64	8.04	69	74	
PSTPIP1 (F-bar)	s17255	PSTPIP1	6.20	7.64	45	53	
	s17256	PSTPIP1	9.87	10.79	124	99	
9069	s17298	CLDN12	9.02	10.52	83	89	
Claudin-12	s17297	CLDN12	11.04	10.81	91	75	
	s17299	CLDN12	10.97	9.87	64	90	
9074	s17309	CLDN6	8.66	9.41	79	83	

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increased 2+ SD									
decreased 2+ SD									
Entrez Gene ID	siRNA ID	Gene Symbol	Avg Cluster Size	Avg Cluster Size	# Clusters/well	# Clusters/well			
Claudin-6	s17311	CLDN6	11.15	13.48	87	84			
	s17310	CLDN6	10.07	8.93	96	98			
9075	s17314	CLDN2	7.72	11.25	106	107			
Claudin-2	s17312	CLDN2	8.31	10.45	83	99			
	s225076	CLDN2	8.66	9.21	71	73			
9076	s17316	CLDN1	10.50	11.92	86	98			
Claudin-1	s17317	CLDN1	10.49	10.66	103	97			
	s17315	CLDN1	8.49	11.04	94	113			
9080	s194981	CLDN9	10.78	11.73	92	92			
Claudin-9	s194980	CLDN9	9.90	13.36	78	66			
	s194979	CLDN9	9.03	10.94	73	78			
9146	s17480	HGS	9.73	10.37	71	83			
Hrs	s17481	HGS	9.68	11.43	59	92			
	s17482	HGS	10.26	11.08	87	83			
9322	s17816	TRIP10	9.25	12.31	91	86			
CIP4	s17815	TRIP10	11.12	10.57	85	93			
	s17814	TRIP10	12.78	11.09	94	99			
9525	s18274	VPS4B	10.91	14.45	91	98			
SKD1	s18273	VPS4B	8.02	9.85	109	102			
	s18272	VPS4B	12.56	11.38	100	104			
9788	s18916	MTSS1	9.71	12.31	87	91			
MIM	s18917	MTSS1	11.14	11.06	88	107			
	s18915	MTSS1	8.79	10.08	73	79			
10052	s19541	GJC1	10.43	9.82	101	104			
Connexin-45	s19543	GJC1	9.69	11.10	74	88			
	s223072	GJC1	5.03	8.48	79	85			
10211	s19915	FLOT1	6.71	9.48	78	79			
Flotillin 1	s19914	FLOT1	8.67	7.75	51	97			
	s19913	FLOT1	8.57	10.48	72	93			
10458	s20464	BAIAP2	8.23	10.77	92	93			
IRSp53 (I-bar)	s20465	BAIAP2	10.00	13.23	73	75			
	s20463	BAIAP2	9.93	8.66	73	102			
10804	s21231	GJB6	9.06	10.12	100	86			
Connexin 30	s21232	GJB6	11.37	12.49	82	98			
	s21233	GJB6	11.62	11.86	74	81			
11252	s229822	PACSIN2	10.11	9.39	90	76			
Pacsin2 (F-bar)	s22216	PACSIN2	11.15	9.92	88	88			
	s22215	PACSIN2	6.23	9.89	43	64			
11267	s22248	SNF8	9.79	10.91	107	92			
EAP30 (Escrt-II)	s22247	SNF8	10.05	9.32	96	92			
	s22249	SNF8	12.51	14.33	110	99			
23048	s22914	FNBP1	10.24	11.93	59	75			
FBP17	s22915	FNBP1	9.94	10.62	90	84			
	s22916	FNBP1	10.58	10.46	96	115			
23268	s23437	DNMBP	9.71	9.59	89	74			
Tuba (Bar domain)	s23438	DNMBP	11.50	11.83	102	106			

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increased 2+ SD decreased 2+ SD									
Entrez Gene ID	siRNA ID	Gene Symbol	Avg Cluster Size	Avg Cluster Size	# Clusters/well	# Clusters/well			
	s23439	DNMBP	9.18	9.33	92	76			
23380	s23693	SRGAP2	11.51	12.50	89	80			
srGAP2 (F-bar)	s23692	SRGAP2	9.67	9.99	82	98			
	s23691	SRGAP2	9.57	10.38	88	92			
23607	s24191	CD2AP	9.56	12.64	89	104			
CD2AP	s24192	CD2AP	8.26	13.13	76	72			
	s24193	CD2AP	7.59	11.82	68	72			
25945	s24804	PVRL3	9.91	12.86	76	86			
Nectin-3	s24803	PVRL3	11.18	13.37	112	108			
	s24802	PVRL3	11.22	12.19	91	89			
26052	s25018	DNM3	10.08	11.78	96	81			
Dynamin-3	s25017	DNM3	13.94	12.97	95	94			
	s25019	DNM3	8.15	13.25	47	60			
29763	s26562	PACSIN3	11.02	10.73	81	86			
Pacsin3 (F-bar)	s26563	PACSIN3	10.21	10.44	81	103			
	s26564	PACSIN3	6.88	8.06	25	50			
50807	s27099	ASAP1	14.04	13.65	85	106			
ASAP1	s27101	ASAP1	12.25	14.79	79	84			
	s27100	ASAP1	8.03	9.24	77	80			
50848	s27150	F11R	9.92	13.40	72	77			
JAM-A	s27151	F11R	10.09	11.03	69	86			
	s27152	F11R	8.39	8.87	57	89			
51160	s27577	VPS28	10.86	10.68	91	107			
hVps28 (Escrt-1)	s27578	VPS28	9.09	10.19	82	93			
	s27579	VPS28	8.44	8.87	75	91			
51294	s27870	PCDH12	9.99	14.64	96	86			
VE-Cadherin	s27869	PCDH12	11.29	12.51	94	93			
	s27871	PCDH12	8.74	12.72	91	98			
51652	s28475	VPS24	10.13	11.08	90	99			
CHMP3 (ESCRT-III)	s28474	VPS24	14.53	15.25	96	105			
	s28473	VPS24	13.35	15.48	86	94			
54874	s29645	FNBP1L	10.73	12.82	86	105			
TOCA1	s29646	FNBP1L	10.82	10.75	96	92			
	s29644	FNBP1L	8.88	10.91	86	78			
56904	s32358	SH3GLB2	10.82	11.27	90	75			
Endophilin-B2	s32357	SH3GLB2	8.69	10.80	84	74			
	s32359	SH3GLB2	10.50	12.01	111	103			
57522	s33218	SRGAP1	4.63	5.24	73	76			
srGAP1	s33219	SRGAP1	13.35	11.33	99	94			
	s33217	SRGAP1	13.89	10.29	94	102			
58494	s33856	JAM2	11.82	18.52	89	81			
JAM-B	s33857	JAM2	9.88	12.90	91	88			
	s33855	JAM2	11.52	12.82	95	85			
83660	s38090	TLN2	9.95	9.82	85	98			
Talin-2	s38088	TLN2	8.99	11.16	69	68			
	s38089	TLN2	9.12	10.65	94	97			

			NT Avg: 11.34 <i>Listeria A</i>	NT Avg: 12.2 <i>Listeria B</i>	NT Avg: 83 <i>Listeria A</i>	NT Avg: 85.7 <i>Listeria B</i>
			Avg Cluster Size	Avg Cluster Size	# Clusters/well	# Clusters/well
Entrez Gene ID	siRNA ID	Gene Symbol				
83700	s38127	JAM3	7.90	10.36	48	45
JAM-C	s38129	JAM3	6.68	8.27	37	55
	s38128	JAM3	12.20	13.11	105	93
92154	s40868	MTSS1L	10.18	10.52	57	69
ABBA	s40867	MTSS1L	10.70	11.16	98	92
	s40869	MTSS1L	9.24	8.46	66	56
115677	s41845	NOSTRIN	10.88	10.96	75	75
Nostrin	s41847	NOSTRIN	11.05	12.64	111	80
	s41846	NOSTRIN	10.91	13.49	87	99
125111	s42859	GJD3	10.94	10.27	70	70
Connexin 31.9	s42857	GJD3	10.36	10.21	78	80
	s42858	GJD3	11.19	9.25	59	92
127534	s43186	GJB4	8.89	6.38	55	52
Connexin 30.3	s43185	GJB4	7.39	10.41	62	76
	s43184	GJB4	10.00	10.99	77	99
147409	s44997	DSG4	10.79	11.67	81	99
desmoglein-4	s44999	DSG4	11.78	11.85	54	78
	s44998	DSG4	11.25	10.94	81	97
284119	s49506	PTRF	14.22	14.20	96	109
Cavin-1	s49507	PTRF	7.94	9.32	31	68
	s49508	PTRF	10.05	10.82	55	68
100506658	s446558	OCLN	12.00	11.89	107	94
Occludin	s446559	OCLN	14.04	13.94	76	98
	s446560	OCLN	11.08	13.78	106	97

Table S2

RefSeq Accession Number	Gene Symbol	Full Gene Name	Gene ID	siRNA ID	Sense siRNA Sequence	Antisense siRNA Sequence
AK074205	<u>ARPC4</u>	actin related protein 2/3 complex, subunit 4,	<u>10093</u>	n288550	UCAACAUAUUUUACUUAUtt	AUAAGUAAAUGAUUGUAGt
AK074205	<u>ARPC4</u>	actin related protein 2/3 complex, subunit 4,	<u>10093</u>	n288549	AAAUUCAGGUGCAUCAAAtt	UUUGGAUGCACCUGAAUUGt
AK074205	<u>ARPC4</u>	actin related protein 2/3 complex, subunit 4,	<u>10093</u>	n288548	GGUCUAAGAAGUACCAUAtt	UAUUGGUACUUUCUJAGAC Ctc
NM_004930	<u>CAPZB</u>	capping protein (actin filament) muscle Z-line,	<u>832</u>	s2403	GAAGUACGCGUAACGAGAUtt	AUCUCGUUCAGCGUACUUCt
NM_004930	<u>CAPZB</u>	capping protein (actin filament) muscle Z-line,	<u>832</u>	s2402	GACUUUUUGCAGACAAAUAtt	UGAUUUUGUCUGCAAAGUCt
NM_004930	<u>CAPZB</u>	capping protein (actin filament) muscle Z-line,	<u>832</u>	s2401	CGAGAUUCUACUUGGAAAtt	UUUUCCAAAGUAGAUUCGt
NM_001030006	<u>AP2B1</u>	adaptor-related protein complex 2, beta 1	<u>163</u>	s38	GGCUUGGAGAUUUCCGGAAtt	UUCCGGAAAUCCCAAGCctt
NM_001030006	<u>AP2B1</u>	adaptor-related protein complex 2, beta 1	<u>163</u>	s37	GGAGGGUUUUACAGUAAtt	UUCAUCUGAAAACCCUCag
NM_001030006	<u>AP2B1</u>	adaptor-related protein complex 2, beta 1	<u>163</u>	s36	GGAUCCUUAUGUUCGGAAAtt	UUUCCGAACUAGGGAUCCtc
NM_001663	<u>ARF6</u>	ADP-ribosylation factor 6	<u>382</u>	s1567	CCAAGGUCUCAUCUUGUAtt	UACGAAGAUGAGACCUUGGct
NM_001663	<u>ARF6</u>	ADP-ribosylation factor 6	<u>382</u>	s1565	GUUCUACUUCUUGUAGUAtt	UCCACUACGAAGUAGUAGct
NM_001663	<u>ARF6</u>	ADP-ribosylation factor 6	<u>382</u>	s223978	CUAAGACCAGUAUAGUAAAtt	UUUACUUAUCUGUCUUA GAt
NM_001664	<u>RHOA</u>	ras homolog family member A	<u>387</u>	s760	GGUUUUACUCCGUAAAGAtt	UCUGUUACGGAGUAAAAGCCt
NM_001664	<u>RHOA</u>	ras homolog family member A	<u>387</u>	s759	CUAUGAUUUUAACGUAUtt	ACUAGCUUUAUAUAAGAtt
NM_001664	<u>RHOA</u>	ras homolog family member A	<u>387</u>	s758	CACAGUUGUUUGAAGAUtt	AUAGUUCUCAACACUUGGg
NM_001042678	<u>RHOC</u>	ras homolog family member C	<u>389</u>	s99	AGGACUGCAUUGUUUUCUtt	UAGAAAACAUGCAGUCCBg
NM_001042678	<u>RHOC</u>	ras homolog family member C	<u>389</u>	s98	CACCAGCACUUUAUCACUtt	UAUGUUAAAAGUGUAGGUGt
NM_001042678	<u>RHOC</u>	ras homolog family member C	<u>389</u>	s97	GCAAGGAUCAGUUUCGGAtt	UCCGGAACUAGUCCUUGCt
NM_004041	<u>ARRB1</u>	arrestin, beta 1	<u>408</u>	s1622	GGCUUGCGGUGUGGACUAAtt	AUAGUCCACCCGCAAGCctt
NM_004041	<u>ARRB1</u>	arrestin, beta 1	<u>408</u>	s1624	CCAAUUCUUGAGUAUAtt	UCAAGUUCUUAUGAUUGGta
NM_004041	<u>ARRB1</u>	arrestin, beta 1	<u>408</u>	s1623	GGAGAUUCUUAUACCAUGAtt	UCCAUGGUUAUAGAUUC Cct
NM_004313	<u>ARRB2</u>	arrestin, beta 2	<u>409</u>	s1627	AGCCUUCUGUGCUAAUAtt	UGAUUUAGCACAGAGGCUcg
NM_004313	<u>ARRB2</u>	arrestin, beta 2	<u>409</u>	s1625	AAGUCUCUGUGAGACAGUtt	UACUGUCUCACAGAGAUUGt
NM_004313	<u>ARRB2</u>	arrestin, beta 2	<u>409</u>	s1626	CGAACAAAGUAGACCAGUAtt	UACCUGGUCAUCUUGUUCGag
NM_001753	<u>CAV1</u>	caveolin 1, caveolae protein, 22kDa	<u>857</u>	s2447	GCCGUGUCUUAUCCAUCUAtt	UAGAUGGAAUAGACACGGCct
NM_001753	<u>CAV1</u>	caveolin 1, caveolae protein, 22kDa	<u>857</u>	s2446	GCUUCUGAUUGAGAUUAtt	UGAAUUCUUAUAGACUCCtc
NM_001753	<u>CAV1</u>	caveolin 1, caveolae protein, 22kDa	<u>857</u>	s2448	CCUUCACUGUGACGAAUAtt	UUAUUUCGUCACAGUAGGt
NM_001233	<u>CAV2</u>	caveolin 2	<u>858</u>	s2451	AGACCUGCCUAAUGGUUCUtt	AGAACCAUAGGCGAGUCUtt
NM_001233	<u>CAV2</u>	caveolin 2	<u>858</u>	s2449	AUGUUUAUCUUAUUGCUUAtt	AUUGGAGCAUUGAUAGAUct
NM_001233	<u>CAV2</u>	caveolin 2	<u>858</u>	s2450	CGGCUCAACUCGCAUCUAtt	UGAGAUGCAGUUGAGCCGgt
NM_001769	<u>CD9</u>	CD9 molecule	<u>928</u>	s2598	UCUUCGAGCAAGAACUAtt	UUAGUUUCUUGCUCGAAGAt
NM_001769	<u>CD9</u>	CD9 molecule	<u>928</u>	s2597	AGAGGUUCUUCGACAAUAtt	UUUAUUGUCGAAGACCUUtt
NM_001769	<u>CD9</u>	CD9 molecule	<u>928</u>	s2599	CAGUUUAUCUCAGACAUUtt	AGAUGUCUGAGUAUAAUGct
AF086543	<u>CD44</u>	CD44 molecule (Indian blood group)	<u>960</u>	n284408	UGAAGCAUUUAGAAUUAAtt	UAUGAUUCUAAAUGCUUACt
AK123567	<u>CD44</u>	CD44 molecule (Indian blood group)	<u>960</u>	n307357	GAUUCUCUUGAGUAGUAAAtt	UUUAUACUCAAGAGAUAGct
AF086543	<u>CD44</u>	CD44 molecule (Indian blood group)	<u>960</u>	n284407	UACACUUCUUAUAGUUCUAtt	UAAAGAACUAAGGAGUGUAag
NM_001040034	<u>CD63</u>	CD63 molecule	<u>967</u>	s2699	AGAUAUACCCGAAAAAAtt	UUUUUUUCUGGGUAAUUCc
NM_001040034	<u>CD63</u>	CD63 molecule	<u>967</u>	s2700	GGAUAGCAGGCAGAUUUUAAtt	UUAAAAUCUGCCUGCAUCct
NM_001040034	<u>CD63</u>	CD63 molecule	<u>967</u>	s2701	GGAUUAAUUAUACGAGAAAtt	UUUCUGUUGAAUUUAUCCca
NM_004356	<u>CD81</u>	CD81 molecule	<u>975</u>	s2723	GAACUUUCUGUUAUCCUtt	AAAGGUAAACAGGAAAGUUCag
NM_004356	<u>CD81</u>	CD81 molecule	<u>975</u>	s2722	GCCCAACACCUUUAUUGUtt	UACAUAAGAAGGUGUUGGGcgc
NM_004356	<u>CD81</u>	CD81 molecule	<u>975</u>	s2724	CCACCUACAGUCUCAAGAAtt	UUUCUUGAGCAGUAGGUGGtc
NM_001039490	<u>CD151</u>	CD151 molecule (Raph blood group)	<u>977</u>	s194332	CCCACUACUGAGCUGAGAtt	UCCAGCUCAGUAGUUUGGGtg
NM_001039490	<u>CD151</u>	CD151 molecule (Raph blood group)	<u>977</u>	s194333	GGUUUUUGCUGCGACCAAtt	UUUGGUCGACAGAAAGCCac
NM_001039490	<u>CD151</u>	CD151 molecule (Raph blood group)	<u>977</u>	s2728	CUGCUGCGCCUGUACUAtt	UGAAGUACAGGCGCAGAGgt
NM_001039802	<u>CDC42</u>	cell division cycle 42 (GTP binding protein,	<u>998</u>	s2767	CAGUUUAUGAUUGGUGAGAtt	UCCUCCACCAUUAUUAUCGt
NM_001039802	<u>CDC42</u>	cell division cycle 42 (GTP binding protein,	<u>998</u>	s2766	UGAGAUAAUCACACCUUtt	ACAGUUGGAGUUAUUAUCAgg
NM_001039802	<u>CDC42</u>	cell division cycle 42 (GTP binding protein,	<u>998</u>	s2765	UGGUGCUGUUGGUAAAAtt	UGUUUUUACCAACAGCACctt
NM_004360	<u>CDH1</u>	cadherin 1, type 1, E-cadherin (epithelial)	<u>999</u>	s2768	GAACUAUUAUUCUUGUAtt	UCACAGAAGAUAUUAUGUcga
NM_004360	<u>CDH1</u>	cadherin 1, type 1, E-cadherin (epithelial)	<u>999</u>	s2769	CAACAGCUGUGUACAGUtt	ACUGUGAUACACAGUUGGct
NM_004360	<u>CDH1</u>	cadherin 1, type 1, E-cadherin (epithelial)	<u>999</u>	s2770	CGUAUACCCUGGUGGUAtt	UGAACCCACAGGGUUAUCGta
NM_001792	<u>CDH2</u>	cadherin 2, type 1, N-cadherin (neuronal)	<u>1000</u>	s2772	GGUUAUCCUCCAAUUAAtt	UGAUUUGGAGGUAUACCCga
NM_001792	<u>CDH2</u>	cadherin 2, type 1, N-cadherin (neuronal)	<u>1000</u>	s2773	GAACAUAGUGUAGACCGUtt	ACGGUCUACAUUAUGUUCca
NM_001792	<u>CDH2</u>	cadherin 2, type 1, N-cadherin (neuronal)	<u>1000</u>	s2771	GUGCAACAGUAUACGUUAtt	UUAAAGUAUACUGUUGCact
NM_001025205	<u>AP2M1</u>	adaptor-related protein complex 2, mu 1	<u>1173</u>	s3114	GAAGAGCAGUCACAGAUAtt	UGAUUCUGGAGUUGUUCctt
NM_001025205	<u>AP2M1</u>	adaptor-related protein complex 2, mu 1	<u>1173</u>	s3112	GGAUAGAUUCUAGACUAtt	AAAGUCUAGAUAUCUACcag
NM_001025205	<u>AP2M1</u>	adaptor-related protein complex 2, mu 1	<u>1173</u>	s3113	GGCGAGAGGGUAUAAUAtt	UACUUGAUACCCUUCGCGc
NM_004859	<u>CLTC</u>	clathrin, heavy chain (Hc)	<u>1213</u>	s477	GGGAUUUCUUGUUAUCCAtt	UCCGUAACGAAGAUAUCCctt
NM_004859	<u>CLTC</u>	clathrin, heavy chain (Hc)	<u>1213</u>	s476	CGGUUGUCUUGUUAUCCGAtt	UGGUAUACAGGACCAACGta
NM_004859	<u>CLTC</u>	clathrin, heavy chain (Hc)	<u>1213</u>	s475	GGUUGCUCUUGUUAUCCGAtt	AUCCGUAAACAGGACCAACct
NM_001903	<u>CTNNA1</u>	catenin (cadherin-associated protein), alpha 1,	<u>1495</u>	s3716	GUGGAUUAAGCUGAAUUAAtt	UAAGUUUACAGUUAUCCctt
NM_001903	<u>CTNNA1</u>	catenin (cadherin-associated protein), alpha 1,	<u>1495</u>	s3717	GUGUAAAGCUUUGUUGAAUtt	AUUCGAAACAGCUUUAACct
NM_001903	<u>CTNNA1</u>	catenin (cadherin-associated protein), alpha 1,	<u>1495</u>	s3718	CUACGUCGCCUUAACAAAtt	UUUGGUAGAGGCGAGUAGga
NM_004389	<u>CTNNA2</u>	catenin (cadherin-associated protein), alpha 2	<u>1496</u>	s3719	CAUUGUUUCUUGUUGUUAAtt	AAUCAGCAAGGAAAGUAGt
NM_004389	<u>CTNNA2</u>	catenin (cadherin-associated protein), alpha 2	<u>1496</u>	s3721	CAGCGGCAUUAUUAUUAAtt	AAUGAUUAUUAUUGCCGUGt
NM_004389	<u>CTNNA2</u>	catenin (cadherin-associated protein), alpha 2	<u>1496</u>	s3720	CGCUUAUCCAGGACGUUAAtt	UUAGUCUCCUGUAUAGCGGat
NM_001904	<u>CTNNB1</u>	catenin (cadherin-associated protein), beta 1,	<u>1499</u>	s438	CUGUUGGAUUAUUAUUAAtt	UUUCGAAUUAUUAUUAAGt
NM_001904	<u>CTNNB1</u>	catenin (cadherin-associated protein), beta 1,	<u>1499</u>	s437	GGAUUUUACAACCGAAUtt	AAUUCGGUUGUAGAAUUCcg
NM_001904	<u>CTNNB1</u>	catenin (cadherin-associated protein), beta 1,	<u>1499</u>	s436	GGACCUUAUUAUUAUUAAtt	UUUUUCGAAUUAUUAUGUCCtc
NM_001085458	<u>CTNND1</u>	catenin (cadherin-associated protein), delta 1	<u>1500</u>	s3726	CAUUGACCCGGAACAAAtt	UUUUUGGUUCGGUUAUAGg
NM_001085458	<u>CTNND1</u>	catenin (cadherin-associated protein), delta 1	<u>1500</u>	s3725	GUCGCAACAAAGAAUUAAtt	UUAAUUCUUGUUGCGAGCat
NM_001085458	<u>CTNND1</u>	catenin (cadherin-associated protein), delta 1	<u>1500</u>	s3727	GAACUUUAUUAUUAUUAAtt	AAUUCUUAUUAUUAUUAUGCcg
AK092344	<u>DNM2</u>	dynamitin 2	<u>1785</u>	n285562	ACUGUUUUGUUAACCAAGAtt	UCUGUUUUAACAACAAGUtg
AK092344	<u>DNM2</u>	dynamitin 2	<u>1785</u>	n285561	GCACUGGGCCGUCCUUAUtt	UAUAAGGACGCCAGUGGct
AK092344	<u>DNM2</u>	dynamitin 2	<u>1785</u>	n285560	GGAGGGAGAGUUUACGCAAtt	UUUCGUAACUUCUCCUCct
NM_024422	<u>DSC2</u>	desmocollin 2	<u>1824</u>	s4311	GGUUCAGUCUUAUUAUUAAtt	UUUGUUAUUAUUAUUAAGct
NM_024422	<u>DSC2</u>	desmocollin 2	<u>1824</u>	s4309	GACUUAUGUCGACAUUAAtt	UAUAUGUCAGGACAUAGUctt
NM_024422	<u>DSC2</u>	desmocollin 2	<u>1824</u>	s4310	GCUCUUAUUAUUAUUAAtt	AUAGGUUUAUUAUUAUUAAGcga
NM_001941	<u>DSC3</u>	desmocollin 3	<u>1825</u>	s4312	GACGUGGAGUUAUUAUUAAtt	UCUUUUAUUAUUAUUAUUAAGcga
NM_001941	<u>DSC3</u>	desmocollin 3	<u>1825</u>	s4313	CCCAUUAUGUGCGGAUUAAtt	UUAUUCGCAUUAUUAUUAAGct

NM_001941	DSC3	desmocollin 3	1825	s4314	GAUCAACGGCUAAUAGGCAtt	UGCCUUUAUAGCCGUUGAUcct
NM_001942	DSG1	desmoglein 1	1828	s4321	GAACGAUUCUCUCUAUAGAtt	UCUAUAGAGAGAAUUGGUcct
NM_001942	DSG1	desmoglein 1	1828	s4323	CAUCCAAUAGUUGAUCGAGAtt	UCUCGUAACAACUAUGGAGtt
NM_001942	DSG1	desmoglein 1	1828	s4322	CUGACGCAGAUAGAACGAAtt	UUCGGUUUAUCUUGCGUCAGta
NM_001943	DSG2	desmoglein 2	1829	s4326	CCAGAUUCUUGAUCGAGAtt	UCUCGUAACAAGAAUUGCUGta
NM_001943	DSG2	desmoglein 2	1829	s4324	CUGUUGCACUGAACGAAGAtt	UCUUCGUUCAGUGCAACGca
NM_001943	DSG2	desmoglein 2	1829	s4325	CAUACCCUUGAAUUCGAAAtt	UUUCGAAUUCAGGGUUAUUGgg
NM_001008844	DSP	desmoplakin	1832	s4335	CCGACUGACUUAUGAGAUUtt	AAUCUAUAAGUCAGUCGGgt
NM_001008844	DSP	desmoplakin	1832	s4334	GGACCUCAUUGACUUCGUAAtt	AUCGAAGUCAUUGAGGUCCcg
NM_001008844	DSP	desmoplakin	1832	s4333	GGAACGGUGCAGAAUCGAAtt	UUCGAUUCUGCACCGUUCctt
NM_001405	EFNA2	ephrin-A2	1943	s194390	CCACGAGUUAUACUACAUcct	GAUGUAGUAUAUCUGUGGcct
NM_001405	EFNA2	ephrin-A2	1943	s223469	GGAGCACUACGUGCUGUAcct	GUACAGCACGUAUGUCCcat
NM_001405	EFNA2	ephrin-A2	1943	s4500	CGAGUAUUAUACUACUcctt	AGAGAUAGUAUAUACUCGtg
NM_004952	EFNA3	ephrin-A3	1944	s4501	GGAUUGUGGUUUGGAUUGAtt	UCAAUCCAACCAAAUUCctg
NM_004952	EFNA3	ephrin-A3	1944	s4502	ACACUUUUGGAGACCGUAAtt	UUACGGUUCGAAAGUUGct
NM_004952	EFNA3	ephrin-A3	1944	s4503	AGGUGAACGUGAACGACUAtt	UAGUCGUUCAGGUUCACUg
BC042610	EFNA4	ephrin-A4	1945	n371795	AGAAACAAACUUCAGGGUAtt	AACCCUGAAGUUUUUGUcctt
BC042610	EFNA4	ephrin-A4	1945	n371794	AGACAACCAACUCAGCUAAtt	UUAGCUGAGUUGGUUUGUcct
BC042610	EFNA4	ephrin-A4	1945	n371793	AGUCCGUCUUAUAGAAGAtt	UCUUCUAUGAAGACGGAUcct
NM_001962	EFNA5	ephrin-A5	1946	s4508	GGCCGAGAAUUAUUCUACAtt	UGUAGAAUAUUCUCGGCctg
NM_001962	EFNA5	ephrin-A5	1946	s4507	CGAUGUUAACGCACAAGUAtt	UACUUUGUCGUUAACAUUGGaa
NM_001962	EFNA5	ephrin-A5	1946	s4509	GGUCUGUCUUAAGCUAAtt	UUGAGCUUUAAGACAGACctt
NM_004429	EFNB1	ephrin-B1	1947	s4511	GGAGGGCUUUGGUGAUcctt	UAGAUCCAAGCCUUCccta
NM_004429	EFNB1	ephrin-B1	1947	s4510	UGACGGUCCUACUACUAGAtt	UUUCAGUAGUAGGACCGUcagg
NM_004429	EFNB1	ephrin-B1	1947	s4512	CUGUCUACUUGUCCAAGAtt	UCUUGGACGAUGUAGACAGgg
NM_004093	EFNB2	ephrin-B2	1948	s4515	GGAGAAGUUGGACAACAAtt	UUGUUGUCGAACUUCUCCat
NM_004093	EFNB2	ephrin-B2	1948	s4513	CCAAUUCGUAUAGUUUAGAtt	UCUAAAACUAUCGUAUUGGaa
NM_004093	EFNB2	ephrin-B2	1948	s4514	GACAAGGACUGGUACUAUAtt	UAUAGUACCGUCCUUCGca
NM_004431	EPHA2	EPH receptor A2	1969	s4564	UGAUGAUCAUCACUGAUAtt	UACUCAGUGAUGAUAUCAtg
NM_004431	EPHA2	EPH receptor A2	1969	s4566	GUAUCUUAUUGAGCUAAtt	UUGAGCUCAUUAAGAUAGcgc
NM_004431	EPHA2	EPH receptor A2	1969	s4565	GGAGUACGAGGUCACUAtt	UAAGUAGCCUGUACUUCcag
AK023333	CTTN	cortactin	2017	n345349	GCGCCAGCUGAAACUUGAtt	UCAAGUUUCAGCUGGGCCag
AK023333	CTTN	cortactin	2017	n345348	CCUGAGCAGUUGAUUUUcctt	UGAAAAUCAACUCGUCAGGta
AK023333	CTTN	cortactin	2017	n345347	AAACCAGAGUUGUUAUUUtt	AAUUUAACAACUCUGGUUcct
NM_005232	EPHA1	EPH receptor A1	2041	s4721	CCUCAGUAUACACAUAUAtt	AUAUUUGUAGUUAUCGAGGtt
NM_005232	EPHA1	EPH receptor A1	2041	s4719	GGUACAGAUUGGUUCUAGAtt	UCUAGAACAUCUGGUUACcgt
NM_005232	EPHA1	EPH receptor A1	2041	s223490	GAUGAAGAACGGUACCAAGAtt	UCUGGUACCGUUCUUAUcct
NM_182644	EPHA3	EPH receptor A3	2042	s4724	CGAGGUCAAAUACUAGAtt	UUCAUAGUAUUUGACUCGta
NM_182644	EPHA3	EPH receptor A3	2042	s4722	GGAUGUACUGCAGUACAGAtt	UCUGUACUGCAGUACAUcctt
NM_182644	EPHA3	EPH receptor A3	2042	s4723	CACCUGUCCUGACGUAUAtt	UUAUACGUCAGGACAGGgat
NM_004440	EPHA7	EPH receptor A7	2045	s4733	CAGCUAAUUGUUGAUUGUtt	AACAUAUCAACAUUAGCUGgt
NM_004440	EPHA7	EPH receptor A7	2045	s4731	GAUGGGCAAUUUACAGUCAtt	UGACUGUAAAUUGCCAUcat
NM_004440	EPHA7	EPH receptor A7	2045	s4732	GGAACGGACCUACUACACAtt	UUUGGAGUAGGUUCGUUCcct
NM_001006943	EPHA8	EPH receptor A8	2046	s4736	CCUCAAAUUCGACACCAUtt	AAUUGGUGUCGAUUUUGAGGaa
NM_001006943	EPHA8	EPH receptor A8	2046	s4735	GGCAUCAGUACUCUGGAtt	UCCAGAGUCACUAGUCCca
NM_001006943	EPHA8	EPH receptor A8	2046	s223498	GUUCUACGCUAACACGGAtt	UCCGUGUUGAGCUUGAGGcgc
NM_004442	EPHB2	EPH receptor B2	2048	s4742	AGAUGAUCCGCAUUCcctt	UUGGGAUUUGCGGAUUCUtg
NM_004442	EPHB2	EPH receptor B2	2048	s4741	ACAUCGAUCCUUCACCUAtt	UAGGUAAAAGGUAUGUAg
NM_004442	EPHB2	EPH receptor B2	2048	s4740	GCUGUACUUGGACUUAUAtt	UCAUAGUCCAGGAUACCGca
NM_004443	EPHB3	EPH receptor B3	2049	s4743	GGGUUACUGUGGAGCUAAtt	UUGAGUCCAGCAGUACCCg
NM_004443	EPHB3	EPH receptor B3	2049	s4745	CGAUCCUACCUACCCAGUtt	ACUGGUGUAGGUAGGUAUCgga
NM_004443	EPHB3	EPH receptor B3	2049	s4744	GAUUGAAGUUUAUUAUUGAtt	UCAUAUAAACCUUCAUUCca
NM_005246	FER	fer (fps/fes related) tyrosine kinase	2241	s5110	GAUUUAUUGUCAGCAACGUAtt	UACGUUGUCUGACUUAUUCat
NM_005246	FER	fer (fps/fes related) tyrosine kinase	2241	s5111	GAACAACGGCUGCUAAGAtt	UCUUUAGCAGCCGUUGUctg
NM_005246	FER	fer (fps/fes related) tyrosine kinase	2241	s5109	CAGGAUCAGUUAACUUAUtt	AUAGAUUAACUGUAUCGUGca
NM_002005	FES	feline sarcoma oncogene	2242	s5114	AGUGGGUGCUGAACCAUUGAtt	UCAUGUUUCAGCACCCCActg
NM_002005	FES	feline sarcoma oncogene	2242	s5113	CCUCAGCAAUCAGCAGACAtt	UGUCUGCUGAUUGCUGAGgtt
NM_002005	FES	feline sarcoma oncogene	2242	s5112	CCACGUCUGGAGAUCCUUAAtt	UUUAGGAUCCUCCAGCUGGgt
NM_004475	FLOT2	flotillin 2	2319	s5285	ACAGUAAGGUCACACAGAtt	UCUGAUGUGACCUUAUCUtg
NM_004475	FLOT2	flotillin 2	2319	s5286	GACUUAUAAACAGUACGUGUtt	ACACGUAUCGUUUUAUGCgg
NM_004475	FLOT2	flotillin 2	2319	s5284	CAAAGAUUGCUGACUUAAtt	UUAGAGUCAGCAAUCUUGgtg
NM_000165	GJA1	gap junction protein, alpha 1, 43kDa	2697	s5757	ACUAGCUGCUGGACAGAAtt	UUCAUGUCCAGCAGCUAGtt
NM_000165	GJA1	gap junction protein, alpha 1, 43kDa	2697	s5758	GGCUAAUUAACAGUGCAGAAtt	UUCUGCACUGUAUUAGCCca
NM_000165	GJA1	gap junction protein, alpha 1, 43kDa	2697	s5759	GAACCUACAUAUCAGUAUtt	AUACUGAUGAUGUAGGUUCgc
NM_021954	GJA3	gap junction protein, alpha 3, 46kDa	2700	s5761	GCAUCUUAUAGCAUCUUAtt	AAAGAUUCUAGUAGCAUGct
NM_021954	GJA3	gap junction protein, alpha 3, 46kDa	2700	s5762	CUGUUAAGAAUUGCUGAtt	UCAGCAUAUCUUAACAGta
NM_021954	GJA3	gap junction protein, alpha 3, 46kDa	2700	s5760	CCACCUACUUAUGCGCACAtt	UGUGCGCAUAGUAGGUGGga
NM_002060	GJA4	gap junction protein, alpha 4, 37kDa	2701	s5763	ACUCACCGUGUGGUGUAAtt	UUACCACACGGUCGAGUgc
NM_002060	GJA4	gap junction protein, alpha 4, 37kDa	2701	s5765	GGCUUUGCCUGAGCAGAtt	UCUGUCUCAGGCAAGCCac
NM_002060	GJA4	gap junction protein, alpha 4, 37kDa	2701	s5764	CGACCGUGUGGUGUAAGAUtt	AUCUUAACCACACCGGUGg
NM_005266	GJA5	gap junction protein, alpha 5, 40kDa	2702	s5767	GCACUCUGCUAACACCUAtt	UAGGUGUUGAGCAGAGUCCc
NM_005266	GJA5	gap junction protein, alpha 5, 40kDa	2702	s5768	CUAUAUAGUGACAAGCGAtt	UCGCUUGUCACUUAUGAUg
NM_005266	GJA5	gap junction protein, alpha 5, 40kDa	2702	s5766	CCGGUACAUCUUAUCUUAAtt	AUACGUUAACUUGAGCCGgtt
NM_004004	GJB2	gap junction protein, beta 2, 26kDa	2706	s5775	AGAGUGAAUUAAGGACUAtt	AUGCCUUAUUAUUCACUcctt
NM_004004	GJB2	gap junction protein, beta 2, 26kDa	2706	s5777	GUUAUUUGCUAAUUAAGUAtt	UAUCUAAUUAAGCAAAUAcac
NM_004004	GJB2	gap junction protein, beta 2, 26kDa	2706	s5776	GGCAUCGAGGAGAUCAAAtt	UUUGAUUCUUCGUAUUCctt
NM_001005752	GJB3	gap junction protein, beta 3, 31kDa	2707	s5779	AGUUAACUAAGUUAUGCAAtt	UGUUAUUAUUAUAGUACUca
NM_001005752	GJB3	gap junction protein, beta 3, 31kDa	2707	s5778	CAAGCAAAUUAACUUAUAtt	UAGAUAGUUAUUAUCGUgtt
NM_001005752	GJB3	gap junction protein, beta 3, 31kDa	2707	s5780	CGACCUUACGAGAAGAAAtt	UUUUUUUCUGGUAUGUCCgg
NM_005268	GJB5	gap junction protein, beta 5, 31.1kDa	2709	s5783	CGAGAUCCAUUGCCAAUtt	AUUGGGACAUAGGUAUGCgtg
NM_005268	GJB5	gap junction protein, beta 5, 31.1kDa	2709	s223727	GGACUUCGACUGCAUUAUtt	AGUAUUGCAGUCGAAGUCCctt

NM_005268	GJB5	gap junction protein, beta 5, 31.1kDa	2709	s5782	GGCAUCGCCUUUCUCUAUtt	AUAGAGAAAGGCGAUGUCac
NM_000201	ICAM1	intercellular adhesion molecule 1	3383	s7087	AGUCAACAGCUAAAACCUUtt	AAGGUUUUAGCUGUUGACUgc
NM_000201	ICAM1	intercellular adhesion molecule 1	3383	s7088	AGACUACAACAGGCCAAAt	UUUGGCCUUGUUUGAUGUCgt
NM_000201	ICAM1	intercellular adhesion molecule 1	3383	s7086	CGGAAGGUGUUAUGAACUGAt	UCAGUUUAUACACCUUCCGgt
NM_002230	JUP	junction plakoglobin	3728	s7668	GAUCAUGCGUAACUACAGUtt	ACUGUAGUUACGCAUGAUctg
NM_002230	JUP	junction plakoglobin	3728	s7666	CUCUGUGCGUUCUACUAUtt	AUAGUUUGAGACGCACAGAt
NM_002230	JUP	junction plakoglobin	3728	s7667	CCAUCGGCUUGAUCAGGAAt	UUCCUGAUCAGCCGAGUGGt
NM_002444	MSN	moesin	4478	s8985	GCAGUACCAGGACACUAAAt	UUUAGUGUCUGGUACUGCag
NM_002444	MSN	moesin	4478	s8984	GGCUGAAACUCAUAAGAAt	UUUUUUUAGUAGUUUCAGCCag
NM_002444	MSN	moesin	4478	s8986	GGUGUGAACUACUUCAGCAt	UGCUGAAGUAGUUCACACat
NM_005389	PCMT1	protein-L-isoaspartate (D-aspartate) O-	5110	s10130	CCCACUAGCAAAAUGUAAt	UUACAUUUUUGCAUAGUGGGag
NM_005389	PCMT1	protein-L-isoaspartate (D-aspartate) O-	5110	s10132	CAAUUCGCGAAAAUUGGAt	UUUUUUUUGCGGAGAUUGtg
NM_005389	PCMT1	protein-L-isoaspartate (D-aspartate) O-	5110	s10131	GGAUUCUCCACAUAUAUAt	UAUUAGUUGUGGAGAUUCat
NM_001042724	PVRL2	poliovirus receptor-related 2 (herpesvirus entry	5819	s11607	CGCUGAGCAGGUCAUCUUtt	AAAGUAGCCUGCUCAGCCgc
NM_001042724	PVRL2	poliovirus receptor-related 2 (herpesvirus entry	5819	s11606	GCUAUGAUGACACUUGUAt	UAACGAAUGACGACAGCcg
NM_001042724	PVRL2	poliovirus receptor-related 2 (herpesvirus entry	5819	s11608	GGCUAUGACUGGAGCAGGAt	UCCGUGCCAGUUAUAGCCcg
NM_004162	RAB5A	RAB5A, member RAS oncogene family	5868	s11678	GGAGAGGAGUAGACCUUAt	UAAGGUCAUCUCCUCUUCct
NM_004162	RAB5A	RAB5A, member RAS oncogene family	5868	s11680	GCAAGCAAGUCCUAUAUAt	AAUUUAGGACUUAUGCCct
NM_004162	RAB5A	RAB5A, member RAS oncogene family	5868	s11679	CAAGCCUAGUGCUUCGUUtt	AAACGAAGCACUAGCCUUGat
NM_006908	RAC1	ras-related C3 botulinum toxin substrate 1 (rho	5879	s11712	ACAGUUAAUUUUUCCAUAt	UAUGGAAAAUUAAUCUGUaa
NM_006908	RAC1	ras-related C3 botulinum toxin substrate 1 (rho	5879	s11711	CUACUGUCUUUGACAUAUtt	UAUUUUGCAAAAGACAGUg
NM_006908	RAC1	ras-related C3 botulinum toxin substrate 1 (rho	5879	s11713	GGAAUUAACUUAUGAUUUAt	UAAGAUCAAGUUUAGUUCca
NM_002906	RDX	radixin	5962	s11899	GAACUUAACUUGCGAAGAAt	UUUUUUGCAUGUUAUUGUc
NM_002906	RDX	radixin	5962	s11900	GGAGAGACGUGUAACCGAAt	UUCCGUUACACGCUUUCUCCt
NM_002906	RDX	radixin	5962	s11901	GAUUCGACAAGGCAUAACAt	UGUAUUUGCCUUGGCAUUCg
NM_003025	SH3GL1	SH3-domain GRB2-like 1	6455	s12796	GCAAGCGGUGACAGAAGUtt	ACUUCUGUACCCGCCUUCgtg
NM_003025	SH3GL1	SH3-domain GRB2-like 1	6455	s12797	GACUUUGACUACAAGAAGAt	UCUUUCUUGUAGUCAAGUCca
NM_003025	SH3GL1	SH3-domain GRB2-like 1	6455	s12798	GCUUCAUCGUCUUUCGGAUtt	AUCGGAAGACGUAUAGCctg
NM_003257	TJP1	tight junction protein 1 (zona occludens 1)	7082	s14155	GGAUUUUUAUCUGCGUAUtt	AUUCGACGUAUAAACUCCt
NM_003257	TJP1	tight junction protein 1 (zona occludens 1)	7082	s14156	CGAUCUCAAAACUUCGUAt	UAAGAAGUUUUAUGAGAUGct
NM_003257	TJP1	tight junction protein 1 (zona occludens 1)	7082	s14157	CUGUCAUUAUCUUGCCGAAt	UUCCGUAAGUAUAGACAGct
NM_006289	TLN1	talin 1	7094	s14187	GGAUUUUGGAGAUUACCAAt	UUUGUAUUUCGCAAAUUCcag
NM_006289	TLN1	talin 1	7094	s14186	GCAGUUGACAGGACAUUCAt	UGAAUUCUUCUGUUAACUGct
NM_006289	TLN1	talin 1	7094	s14185	GGCUAUAUCUAGUACAGAt	UCUGUACUGAUAUUAAGCCat
NM_001025234	TSPAN4	tetraspanin 4	7106	s14216	GCACUACACGACAGAAUtt	AUUCUUGCCGUGUAGGCGGaa
NM_001025234	TSPAN4	tetraspanin 4	7106	s14215	CGGACAAGAUUAGACAGUAt	UAACUGUCAUUAUCUUCGctg
NM_001025234	TSPAN4	tetraspanin 4	7106	s14217	CCAACUACACUGACUGGUUtt	AACCAAGUAGUUAUAGUUGag
NM_006292	TSGL1	tumor susceptibility gene 101	7251	s14439	GAAAAAGGGUACCCAGAAt	UUUCUGGUGACCCUUUUUcag
NM_006292	TSGL1	tumor susceptibility gene 101	7251	s14440	CUGUCAAUUGUUAUUCUtt	AGAGUAAUACAUAUAGCAGtt
NM_006292	TSGL1	tumor susceptibility gene 101	7251	s14441	GAGACCUAUCUAGUACUGAt	UCACGUAAGUUAUAGUUCctg
NM_001078	VCAM1	vascular cell adhesion molecule 1	7412	s14759	GGAGUUAAUUUAGUUGGGAAt	UCCCAUUAUUAUUAUUCctt
NM_001078	VCAM1	vascular cell adhesion molecule 1	7412	s14761	GCAACUUGGUAUUCUAGGAt	UCCUAGAUUCACAAGUUGctg
NM_001078	VCAM1	vascular cell adhesion molecule 1	7412	s14760	GCAAGGUUCUAGCGGUUAt	UAACCGCUAAGUUAUAGCAGc
NM_003373	VCL	vinculin	7414	s14762	GGUUGGUACUGCUAUAUAAt	UUUAUUAUGCAGUUAUACCCgc
NM_003373	VCL	vinculin	7414	s14763	GCUUCAUUAUUAUUCGAAt	UUUGAAUUUUAUUAUAGAGcag
NM_003373	VCL	vinculin	7414	s14764	GCUCGUUAUCUUAUAGGAt	UCCUAAUUAAGUUAUAGCAGc
NM_003379	EZR	ezrin	7430	s14796	GGCUUUUCUUGGAGUAGAAAt	UUUCACUCAAAGGAAGCCaa
NM_003379	EZR	ezrin	7430	s14795	CGUGGGUAGUCUAAAGAUAt	UAUCUUUGAGUUAUCCACGgt
NM_003379	EZR	ezrin	7430	s14797	GGAAUCAAUCUUAUUCGAGAt	UUCUGAAAUAUUAUUAUCCat
NM_004657	SDPR	serum deprivation response	8436	s16008	ACAUAGCUUAGUUAUUGUtt	ACAAUAGUCAAGUUGAUGUtg
NM_004657	SDPR	serum deprivation response	8436	s16006	CGACUUGACUUAUUGGGAAt	UUCCACAUAUAGUCAAGUCg
NM_004657	SDPR	serum deprivation response	8436	s16007	CAAAGUUGUUAUUCUAGGAt	UUACAGAUACGUAUUAUUGct
NM_003644	GAS7	growth arrest-specific 7	8522	s16201	AGACUUAUGCGAAGAAUUAAt	UAAGUUUCUUCGUAUUGUctg
NM_003644	GAS7	growth arrest-specific 7	8522	s16202	GAAUUAUUCGGAAGGGAAt	UCCUUUCCGGAUGAAUUCct
NM_003644	GAS7	growth arrest-specific 7	8522	s16200	GGCCAGUCCAAUUGGUUtt	AAACAUUUGGACUUGGCGctg
NM_003941	WASL	Wiskott-Aldrich syndrome-like	8976	s17134	GCAGCUUUUUAUUAUAUAt	UUUGAUUCUAAAGAGUCCct
NM_003941	WASL	Wiskott-Aldrich syndrome-like	8976	s17133	GGAAUUGUGGGUUAUUAAt	UUAAUCCACCCACAUAUUCctg
NM_003941	WASL	Wiskott-Aldrich syndrome-like	8976	s17132	CGACAGGUUAUCCAAUUAAt	UUAGUUUGAAUCCUUGCCGta
NM_024430	PSTPIP2	proline-serine-threonine phosphatase	9050	s17253	CAAAAGAGCUUAACAUAUAt	UGAAUUGUAAGCUUUUUUgt
NM_024430	PSTPIP2	proline-serine-threonine phosphatase	9050	s17254	CAGUUUGUCUUAUCAGUAAt	UUACUGAUAGAGCAAAUGtt
NM_024430	PSTPIP2	proline-serine-threonine phosphatase	9050	s17252	CAUCGGCUAUGACAACAUtt	AAUUGUUGCAUAGCCGAGUgt
NM_003978	PSTPIP1	proline-serine-threonine phosphatase	9051	s17257	AGCUGUCGCUUAACAAGAAt	UUUUUUAUAGAGCAGUUGgt
NM_003978	PSTPIP1	proline-serine-threonine phosphatase	9051	s17255	GGAGAAGAGUCAGAACAAt	UUUUUUCUGACUUCUUCc
NM_003978	PSTPIP1	proline-serine-threonine phosphatase	9051	s17256	CUACCAGAAUUAUUCGAUtt	ACUGUAAUUAUUGUUGGAGgg
NM_012129	CLDN12	claudin 12	9069	s17298	CCAUUCUUAACAAGAAGUUtt	AAACUUUUUUUUAUUAUUGgt
NM_012129	CLDN12	claudin 12	9069	s17297	GACACUACUUGGUACUUAAt	AUGAGUACCAAGUAGUUGctg
NM_012129	CLDN12	claudin 12	9069	s17299	CAUUAACAAGAAACGAGAAt	UUUCUGUUUUUUGUUGAAUGtg
NM_021195	CLDN6	claudin 6	9074	s17309	GGGAAUGGUUUCGUACCUUtt	AAAGUUAACAACCAUCCaa
NM_021195	CLDN6	claudin 6	9074	s17311	UGAGGAUUAUUAAAAUUAAt	UGAAUUUUUUUUUAUUCAGt
NM_021195	CLDN6	claudin 6	9074	s17310	GAUUGUCUUUUGUUAUCUAt	UGAGAUGACAAGACAUAUcc
NM_020384	CLDN2	claudin 2	9075	s17314	ACUCACCACUGGUGCUGAt	UCAGGCACCAUGGUGGAGUag
NM_020384	CLDN2	claudin 2	9075	s17312	GGAUCCUACGGGACUUCUAt	UAGAAGUCCGUAAGGAUCCca
NM_020384	CLDN2	claudin 2	9075	s225076	GCUCUUUAUCUUGGGCAUUAAt	UAUUGCCCAAGUUAAGAGCct
NM_021101	CLDN1	claudin 1	9076	s17316	GACUUCUUGCUGAAUCUGAt	UCAGAUUCAGCAAGGAGUcaa
NM_021101	CLDN1	claudin 1	9076	s17317	ACCUCUUAACCAACCAAt	UUUGUGUUGGUUAAGAGGtg
NM_021101	CLDN1	claudin 1	9076	s17315	CAUUAAGAUUCGUUAAGAAt	UUUUUUAAGCAUUAUUGGcc
NM_020982	CLDN9	claudin 9	9080	s194981	ACCUGGAGUUGUUCAGGGAAt	UCCUUGACAACUCCAGGUtg
NM_020982	CLDN9	claudin 9	9080	s194980	GCAGUCUUGGUCUCCAAAt	UUUGGACCAACGAGCUGctg
NM_020982	CLDN9	claudin 9	9080	s194979	CCUUCGAGUUGGAAUUAAt	UUUUUUUAACAUCGAGGgtg
NM_004712	HGS	hepatocyte growth factor-regulated tyrosine	9146	s17480	CGUCUUUCCAGAAUUAAt	UUUGAAUUCUGGAAAGACgtg
NM_004712	HGS	hepatocyte growth factor-regulated tyrosine	9146	s17481	UGGAAUCUGUGGUAAGAAt	UUUUUUAACCAAGAUUCCatg

NM_004712	HGS	hepatocyte growth factor-regulated tyrosine	9146	s17482	CACGGUUCUCAACCCGGAAtt	UUCGGUUGAGAUACCCGUGcg
NM_004240	TRIP10	thyroid hormone receptor interactor 10	9322	s17816	GAACCCAGUGUCCGUGUAtt	UACACGGACACUGAGGUUcCt
NM_004240	TRIP10	thyroid hormone receptor interactor 10	9322	s17815	GGAGAACGCAGUCGGAAtt	UUCACGACUGGUUUCGCAa
NM_004240	TRIP10	thyroid hormone receptor interactor 10	9322	s17814	GGAGAAUAGUUAAGCGUAAAtt	UUUACGCUUACUUAUCCGAg
NM_004869	VPS4B	vacuolar protein sorting 4 homolog B (S.	9525	s18274	CGACAAAUGUGAAUGGAtt	UCCAUUUCACAUUUGGCGtt
NM_004869	VPS4B	vacuolar protein sorting 4 homolog B (S.	9525	s18273	GCGAAGAUUUGAGAAACGAtt	UCGUUUUCACAAUCUUCGcCt
NM_004869	VPS4B	vacuolar protein sorting 4 homolog B (S.	9525	s18272	CACGUAGAAUUAAGCAGGAtt	UCCGCUUUAUUUUCUGUGGc
NM_014751	MTSS1	metastasis suppressor 1	9788	s18916	CCAGCUUCGGACAACAGUAtt	UACUGUUGUCCGAAGCUGGga
NM_014751	MTSS1	metastasis suppressor 1	9788	s18917	CCAUAUCAGCGACAUGAAtt	UUCAUGUCGCUAGUAGUGGtc
NM_014751	MTSS1	metastasis suppressor 1	9788	s18915	CCAUCUCGGAAGAUCAAAtt	UUUAGAUUUCGAGAUUGGtc
NM_001080383	GJC1	gap junction protein, gamma 1, 45kDa	10052	s19541	GGAGGAGAAUCCAUCUUAUtt	AAUAGAUUGAUUUCUCCUcCta
NM_001080383	GJC1	gap junction protein, gamma 1, 45kDa	10052	s19543	UGUCUGUUUAUGAUGCGUUUtt	AAACGCAUCAUAAACAGACAtt
NM_001080383	GJC1	gap junction protein, gamma 1, 45kDa	10052	s223072	GAUUCACAACCAUUCACAtt	UGUGGAAUGGUUGUGAAUCtC
NM_005803	FLOT1	flotillin 1	10211	s19915	AGAGAGAUUACGAACUGAAtt	UUCAGUUCGUAUUCUCUCUgt
NM_005803	FLOT1	flotillin 1	10211	s19914	GCAUCAGUGUGUUAGCUAtt	UAGCUAACCCACUUAUCUGCtt
NM_005803	FLOT1	flotillin 1	10211	s19913	GCAGAGAAGUCCCAACUAAtt	UUAGUUGGGACUUCUCUGCct
NM_017451	BAIAP2	BAI1-associated protein 2	10458	s20464	AGAAGUACUCGGAACAGGAtt	UCCUUGUCCGAGUACUUCUGa
NM_017451	BAIAP2	BAI1-associated protein 2	10458	s20465	BAGAAUCAGCUGGAAGAAtt	UUUCUCCAGCUGAUUCUGGta
NM_017451	BAIAP2	BAI1-associated protein 2	10458	s20463	AGACCCGACUGACAGAGGAtt	UCCUCUGCAGUGCGGUUCgt
NM_006783	GJB6	gap junction protein, beta 6, 30kDa	10804	s21231	AGACAUAGAGGACAUUAAAtt	UUUAAUGUCCUUAUGUCUtt
NM_006783	GJB6	gap junction protein, beta 6, 30kDa	10804	s21232	GAGAGUAAGCAGAAUGAAAtt	UUUCAUUCUGCUUAUCUCcCt
NM_006783	GJB6	gap junction protein, beta 6, 30kDa	10804	s21233	GCAGCAUCUUUUCGAAUtt	AUUCGGAAGAAAGAUUGUGCgt
NM_007229	PACSIN2	protein kinase C and casein kinase substrate in	11252	s229822	ACCCAUCCCUCAACCUGAtt	UCAGGGUUGAGGGAUGGGUct
NM_007229	PACSIN2	protein kinase C and casein kinase substrate in	11252	s22216	AGAUGUUCUUUAAGACCAAAAtt	UUUGGUUUUAAGAACAUUCgt
NM_007229	PACSIN2	protein kinase C and casein kinase substrate in	11252	s22215	GGAGGUUCAGAAAGCACCUAtt	UAGGUGCUUCUGAACUCCGta
NM_007241	SNF8	SNF8, ESCRT-II complex subunit, homolog (S.	11267	s22248	GCCAGAUUCGCAAGCAGUtt	ACUGCUUUAGCAUCUGGGCta
NM_007241	SNF8	SNF8, ESCRT-II complex subunit, homolog (S.	11267	s22247	CAACAGGUUUUGAAGGGAAtt	UUCCUUCAACACCCUUGUgat
NM_007241	SNF8	SNF8, ESCRT-II complex subunit, homolog (S.	11267	s22249	CGAACUAGGUGUCCAAAUtt	AAUUUGGACACCUAGUUCGta
NM_015033	FNBP1	formin binding protein 1	23048	s22914	CCGAUUAUUGAUGCAAAAtt	UUUCGAUUAUUGAUGCGGct
NM_015033	FNBP1	formin binding protein 1	23048	s22915	GGAUUUUAGCAGCAGUUUtt	AAACUCGUCUCAAUUCGgt
NM_015033	FNBP1	formin binding protein 1	23048	s22916	CAACUUAAAAGAACUCCAtt	UCCGAGUUCUUUUAAGUUUGgt
NM_015221	DNMBP	dynamitin binding protein	23268	s23437	GACCAUCCAGUUAUAAAtt	UUUAGACUUGGGAAUGGUCac
NM_015221	DNMBP	dynamitin binding protein	23268	s23438	CCGAGUUAUUCAGAGAUAtt	UACUCUCGAAUUAUCUGGct
NM_015221	DNMBP	dynamitin binding protein	23268	s23439	CGUUACCCGUGUUGCUAAtt	UUAGCAACAGCGGGAUACGca
NM_001042758	SRGAP2	SLIT-ROBO Rho GTPase activating protein 2	23380	s23693	AGUACAUUGUGUCCAAAtt	UCUUGGACACCAUGUAGUUGa
NM_001042758	SRGAP2	SLIT-ROBO Rho GTPase activating protein 2	23380	s23692	GCAUGGAGGAUUAUCUGUAtt	UCACAGUAAUCCUACUAGCtt
NM_001042758	SRGAP2	SLIT-ROBO Rho GTPase activating protein 2	23380	s23691	CUCUGAUUAUCAGAGAUAtt	UAUUCUUAUGAUUAUCAGAGgt
NM_012120	CD2AP	CD2-associated protein	23607	s24191	GCAUUAUUGGUAUAAAGAtt	UUUUUACCAUUAAGUUGGcc
NM_012120	CD2AP	CD2-associated protein	23607	s24192	CUAUGAAGGUACUAAUGAAtt	UUCAUUAUGUACCUUAUAGGc
NM_012120	CD2AP	CD2-associated protein	23607	s24193	CUGGAACAGUUAACCAAAAtt	UUUGGGUACACUUAUCCAGa
NM_015480	PVR13	poliovirus receptor-related 3	25945	s24804	GGAAUUAUGUUUUGAAGAAAtt	UUCCUACAAACAAUUCACcAt
NM_015480	PVR13	poliovirus receptor-related 3	25945	s24803	CCAUUGACUUAUUAUUAUtt	AAUAAUUGAAAGUCAUUGGat
NM_015480	PVR13	poliovirus receptor-related 3	25945	s24802	GGAAUUAUUGCUUAUAGGAtt	UCCAUUAGCAGAAUUAUCCgt
NM_015569	DNM3	dynamitin 3	26052	s25018	GACUUAUUAUUGCAUUAAtt	UAUUGGACAUUAUAGGAGCta
NM_015569	DNM3	dynamitin 3	26052	s25017	GCAUUAUAGGCAUUAUGAtt	UGACUAUCGCUCAAUUGCca
NM_015569	DNM3	dynamitin 3	26052	s25019	GUGUGGAUCUUGUUAUACAtt	UUUAUUAACCAUUCACACct
NM_016223	PACSIN3	protein kinase C and casein kinase substrate in	29763	s26562	GGAUAGGAGGUGGUCAGUAtt	AUCUGACCAUCUUAUCCctg
NM_016223	PACSIN3	protein kinase C and casein kinase substrate in	29763	s26563	CAAGAAAAGCUAACCCGCAAtt	UGCGUGGUAGCUUUUUCUUGga
NM_016223	PACSIN3	protein kinase C and casein kinase substrate in	29763	s26564	CAUUCAGCCGGAAGAGAAAtt	UUCUUCUUUCCGGUUAUUGtc
NM_018482	ASAP1	ArfGAP with SH3 domain, ankyrin repeat and	50807	s27099	GGAUUAUCAGUUAUUGAACAAtt	UUUGUUAUUAUUGAUUCCat
NM_018482	ASAP1	ArfGAP with SH3 domain, ankyrin repeat and	50807	s27101	CACAAGUUCUUAUUAAGUtt	AACUUAUUAAGAAUUAUGUca
NM_018482	ASAP1	ArfGAP with SH3 domain, ankyrin repeat and	50807	s27100	GCACCCGCUUUGUUAAGUtt	AAUUCGACAAACGGGUGCca
NM_016946	F11R	F11 receptor	50848	s27150	GCCUAGUUGCCGGAUGGAAtt	UUCAUUCGCGGACUAGGgtg
NM_016946	F11R	F11 receptor	50848	s27151	CCAUCAAAGCCUACAGUAtt	UAACUGUAGGCUUGGAUGGag
NM_016946	F11R	F11 receptor	50848	s27152	GGAUAGUAGUCCUACGAAtt	UUCGUAGGCAUCACUUAUCCa
NM_016208	VPS28	vacuolar protein sorting 28 homolog (S.	51160	s27577	AAUCAGUCUUAUUGAAGAAAtt	UUCGUCAUUAGGCAUUAUGtc
NM_016208	VPS28	vacuolar protein sorting 28 homolog (S.	51160	s27578	GGAAACAAGCCGAGCUGUAtt	UACAGCUCGCGGUUUGUCCta
NM_016208	VPS28	vacuolar protein sorting 28 homolog (S.	51160	s27579	GAAUGUAGUUAUUAACAAGAtt	UCUUUUAACAUCUACUUCct
NM_016580	PCDH12	protocadherin 12	51294	s27870	CAUACAUUUGUUAUACAAtt	UUGGUUAGCAUUAUUGGtg
NM_016580	PCDH12	protocadherin 12	51294	s27869	CCAUCUACCGUGACAUGUtt	ACAUUGUACGGAUUAUGGtg
NM_016580	PCDH12	protocadherin 12	51294	s27871	CUGGUACAGUAGUCCGGAAtt	UUUCCGGAUCAGUUAUCCAGct
NM_001005753	VPS24	vacuolar protein sorting 24 homolog (S.	51652	s28475	GCUGGGAUCAUAGAGGAGAtt	UUCUCUUAUUAUUAUCCGat
NM_001005753	VPS24	vacuolar protein sorting 24 homolog (S.	51652	s28474	UGAGGGAGUUAUUGCAAGAtt	UCUUUGGACAACUCCUUCAtg
NM_001005753	VPS24	vacuolar protein sorting 24 homolog (S.	51652	s28473	GCAUUGGACGAUACAGGAGAtt	UUCUUCGUAUGUCCUAGUcCt
NM_017737	FNBP1L	formin binding protein 1-like	54874	s29645	GGCAACACAGAUUAUAGAAtt	UUCAUUAUCUUGUUGGcCtt
NM_017737	FNBP1L	formin binding protein 1-like	54874	s29646	GGACUAUCAGUUAUUAUAtt	UUGGAUUCAGUUAUUGCca
NM_017737	FNBP1L	formin binding protein 1-like	54874	s29644	GGACGACGAAAGGACUUAUtt	AAUAGUCCUUCGUUCCUCCat
NM_020145	SH3GLB2	SH3-domain GRB2-like endophilin B2	56904	s32358	AGACAGAUUUAUAGCCGCAAtt	UGCCGGUCAAACUUCUGUUGg
NM_020145	SH3GLB2	SH3-domain GRB2-like endophilin B2	56904	s32357	CGACGGUGCCGACUUAUAtt	UGAAAGUCAGGCACCCUGctg
NM_020145	SH3GLB2	SH3-domain GRB2-like endophilin B2	56904	s32359	GGAGACACGUAUUAAGGUtt	ACCUUGAUUCAGUUCUUCcCa
NM_020762	SRGAP1	SLIT-ROBO Rho GTPase activating protein 1	57522	s33218	GCACUUAAGGAUUAACAAtt	UGUUUUAUGAUCCUUAUGCctt
NM_020762	SRGAP1	SLIT-ROBO Rho GTPase activating protein 1	57522	s33219	GGUCGUGUUAUUAUGUAtt	AUCACUUAUUAAGGACCCctg
NM_020762	SRGAP1	SLIT-ROBO Rho GTPase activating protein 1	57522	s33217	GGAUUAUGGUAUUAUUAUtt	AAACGUAUUAUUAUUAUCCgtg
NM_021219	JAM2	junctional adhesion molecule 2	58494	s33856	GCUACGAUUGCAAGACAAtt	UUUGGUUAUUAUUAUUAUCCtc
NM_021219	JAM2	junctional adhesion molecule 2	58494	s33857	GCAUCCGUUUGCUAGAAAAtt	UUUUUUAUUAUUAUUAUCCca
NM_021219	JAM2	junctional adhesion molecule 2	58494	s33855	CAGUCACUCGGAAGUUAUtt	AAACGUAUUAUUAUUAUCCgta
NM_015059	TLN2	talins 2	83660	s38090	GCUGUUGUUGGUAUUCGUAtt	UAGCGAAUCACAAUGCAGCtt
NM_015059	TLN2	talins 2	83660	s38088	GGAGUAGAUAAAACGAAAtt	UUUCGUUUUUAUUAUUAUCCctt
NM_015059	TLN2	talins 2	83660	s38089	CGACGAAUCCAAACGAAAtt	UUCGUGUUUUAUUAUUAUCCgac
NM_032801	JAM3	junctional adhesion molecule 3	83700	s38127	AGUUAACUGUGCAAGUGAAtt	UUCAUUGCAGAUUAUUAUCCg
NM_032801	JAM3	junctional adhesion molecule 3	83700	s38129	GGAGUUAUUAUUAUUAUCCAtt	UGCGGAUUGUUAUUAUUAUCCct

NM_032801	JAM3	junctional adhesion molecule 3	83700	s38128	GCUACUUCAUCAACAAUAAtt	UUUUUGUUGAUGAAGUAGCca
NM_138383	MTSS1L	metastasis suppressor 1-like	92154	s40868	CGGCAUGAGAUCAAAAAGAtt	UCUUUUUGAUCUCAUGCCGgg
NM_138383	MTSS1L	metastasis suppressor 1-like	92154	s40867	GCCCGAGUUUGACAAGUCAAtt	UGACUUUGUCAAAACUCGGGcgg
NM_138383	MTSS1L	metastasis suppressor 1-like	92154	s40869	CAAACAUACUCACCCAGUUAtt	AACUGGGUGAGUAUUGUUUGgg
NM_001039724	NOSTRIN	nitric oxide synthase trafficker	115677	s41845	GGAGCAUACUCAUAGCUAUAtt	AUAGCUAUGAGUAUAGCUcct
NM_001039724	NOSTRIN	nitric oxide synthase trafficker	115677	s41847	GGCGGGUUUUUUAACAGAtt	UCUGGUAGAAUAACCCGCcat
NM_001039724	NOSTRIN	nitric oxide synthase trafficker	115677	s41846	CUGAGUUCCUGUUAAACGAtt	UCCGUUAACAGGAACUCAGat
NM_152219	GJD3	gap junction protein, delta 3, 31.9kDa	125111	s42859	GCAUCAUCCGAUGGAAUAAtt	UAUUUCCAUCGGAUGAUGCtg
NM_152219	GJD3	gap junction protein, delta 3, 31.9kDa	125111	s42857	CUGCAACCGUGCACAGAAAtt	UUCGUGUGCAGGUUGCAGcg
NM_152219	GJD3	gap junction protein, delta 3, 31.9kDa	125111	s42858	CGGUGCUGUUCGUCGUCUAtt	UAGACGACGAACAGCACCGgg
NM_153212	GJB4	gap junction protein, beta 4, 30.3kDa	127534	s43186	CAGUAUAUGUCAAAACCUAtt	AGAGGUUUAGACUAUACUGtt
NM_153212	GJB4	gap junction protein, beta 4, 30.3kDa	127534	s43185	ACGACAACCGAGCAAGAAtt	UUUUUGUCACAGGUUGUCGUac
NM_153212	GJB4	gap junction protein, beta 4, 30.3kDa	127534	s43184	GCCUCUACAAGGAUUUAUGAtt	UCAUAAUCCUUGUAGAGGcgg
NM_177986	DSG4	desmoglein 4	147409	s44997	GCUCAGUCUUUUCGCAAAtt	UUUGCGAAAAGACUGGAGCgt
NM_177986	DSG4	desmoglein 4	147409	s44999	CGGCAAUCCUUAACGGCUAAtt	UUAGCCGUAAGGAUUGCCGag
NM_177986	DSG4	desmoglein 4	147409	s44998	GUUCGGAAUCGUAUCGAUAtt	AAUCGUUAUCAGUUCCGAACtt
NM_012232	PTRF	polymerase I and transcript release factor	284119	s49506	GUCGGGAUCUCAGAGGAAAtt	UUUCCUCUGAGAUCCGACtt
NM_012232	PTRF	polymerase I and transcript release factor	284119	s49507	CAUCUCUACUAAGCGAAAAtt	UUUUUGCUUAGUAGAGAUggg
NM_012232	PTRF	polymerase I and transcript release factor	284119	s49508	CGAGCAAUACGGUGAGCAAtt	UUGCUCACCGUAUUGUCGtg
	OCLN			s446558	AGACUAUGAUAGACAGAAAtt	UUUCUGUCUAUUAUAGUCUcc
	OCLN			s446559	AGAACUUAGUAGAGAAUAtt	AUUGAUCUCAAGAUCUgga
	OCLN			s446560	AGAAUUGGAGACUAUAGAtt	UCUAUAGUCAACAAUUCtt