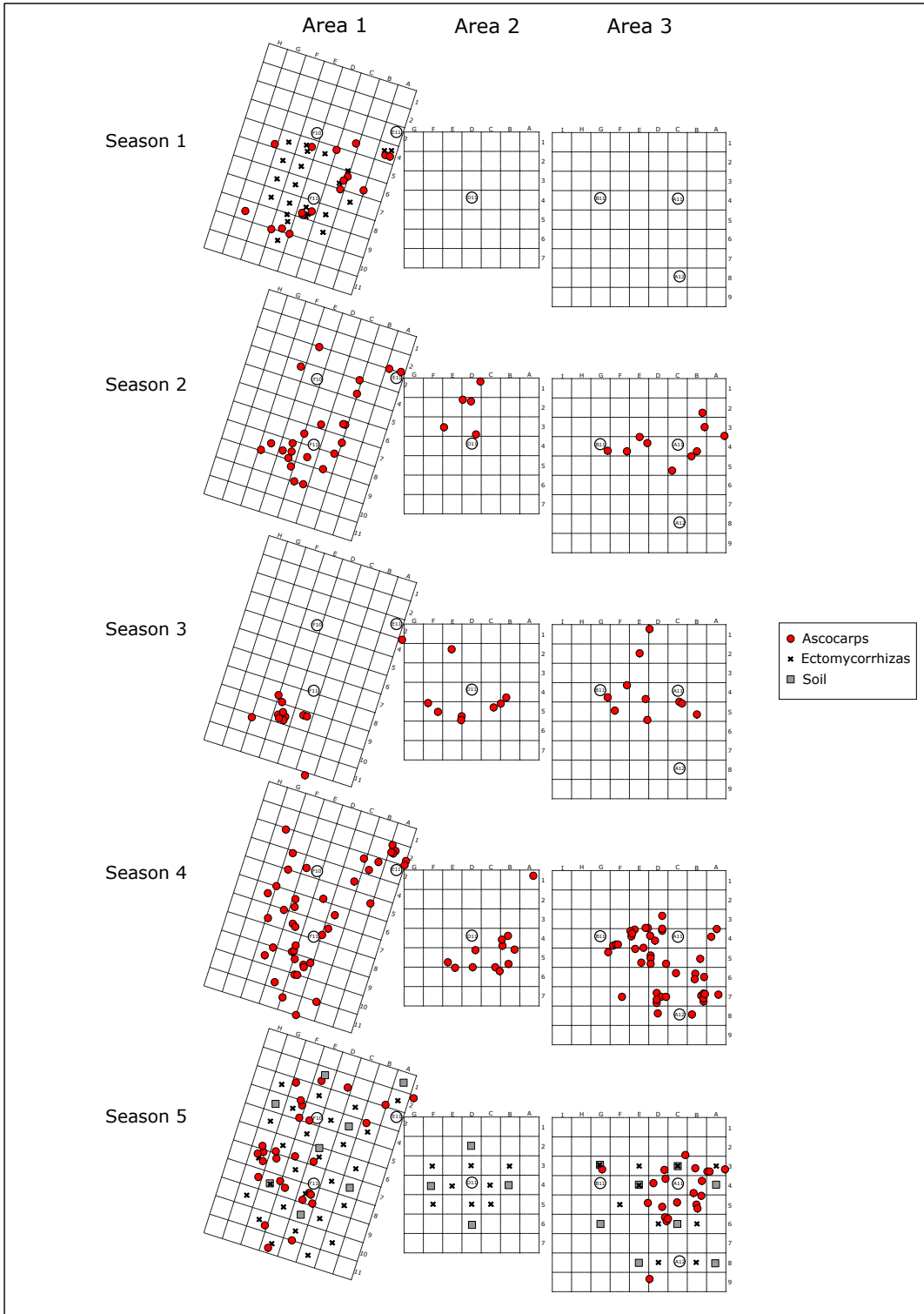


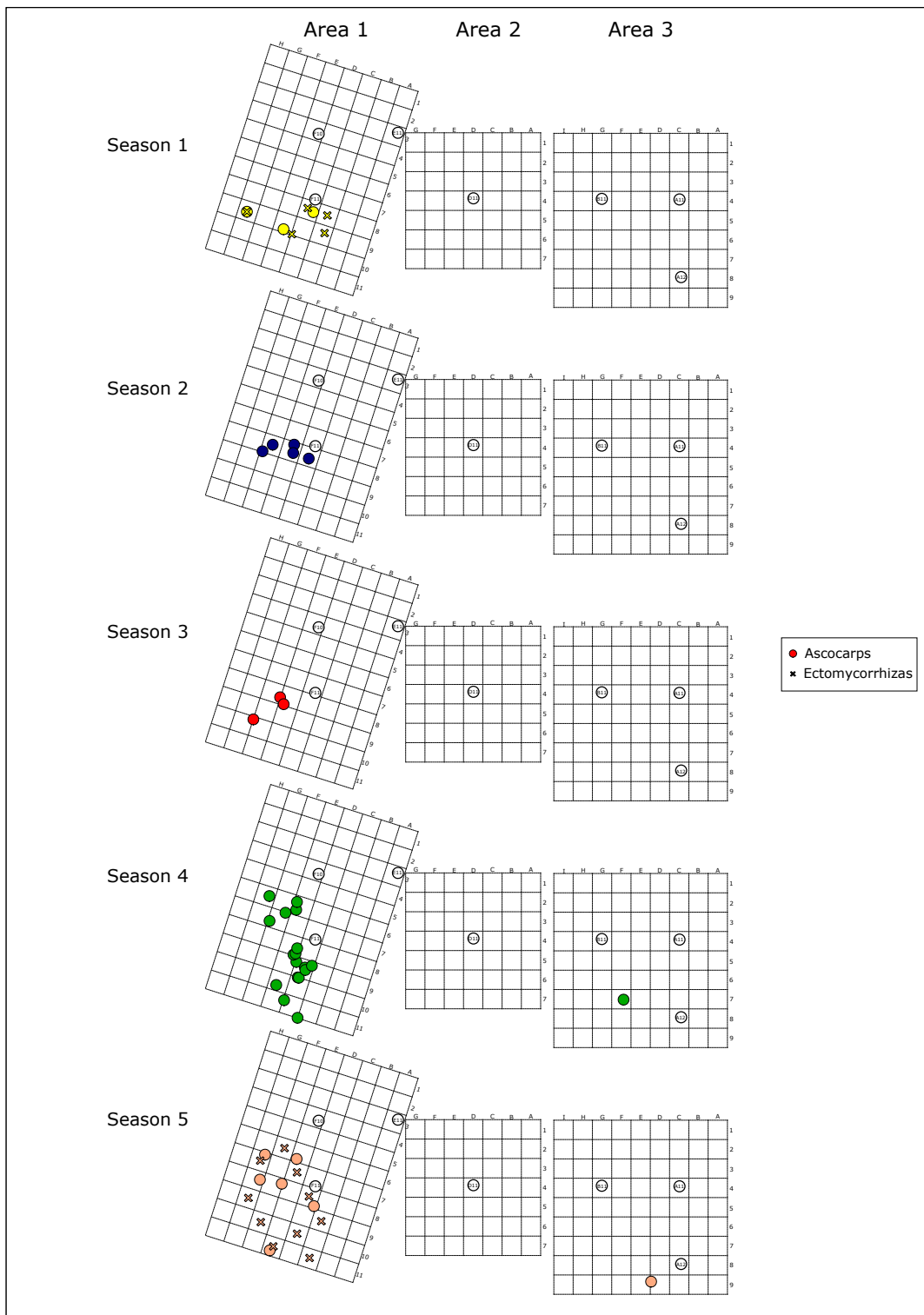
- 1 Figure S1. Map of distribution of the samplings done in Rollainville orchard for five
- 2 seasons. Dots represent ascocarp samples, crosses represent ectomycorrhizal samplings
- 3 and squares represent soil samplings.



4

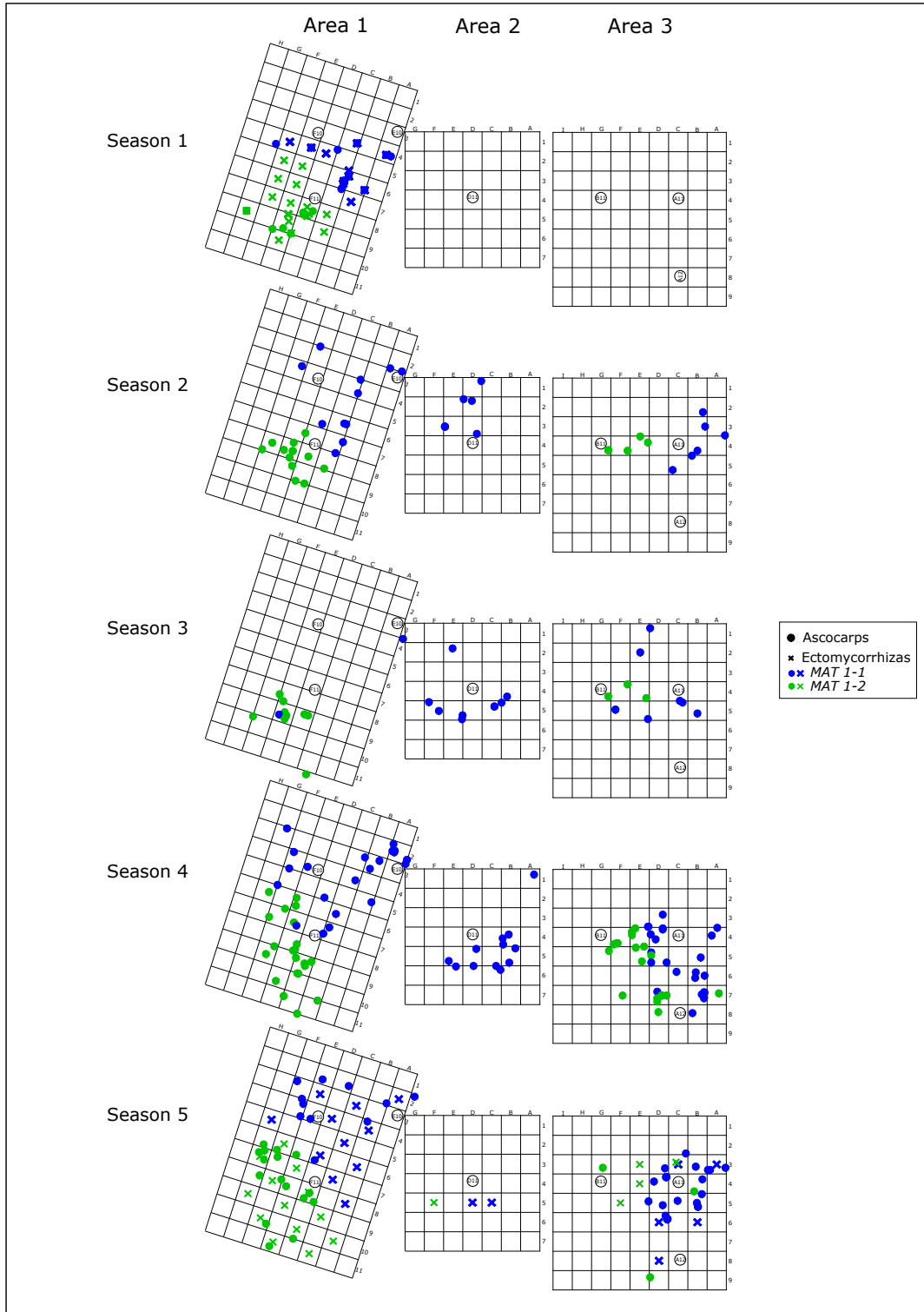
5 Figure S2. Map of distribution of the perennial female strain R002 in the Rollainville
 6 orchard trough five seasons. Circles represent ascocarps and crosses represent
 7 ectomycorrhizas. Each season is represented by a different colour.

8



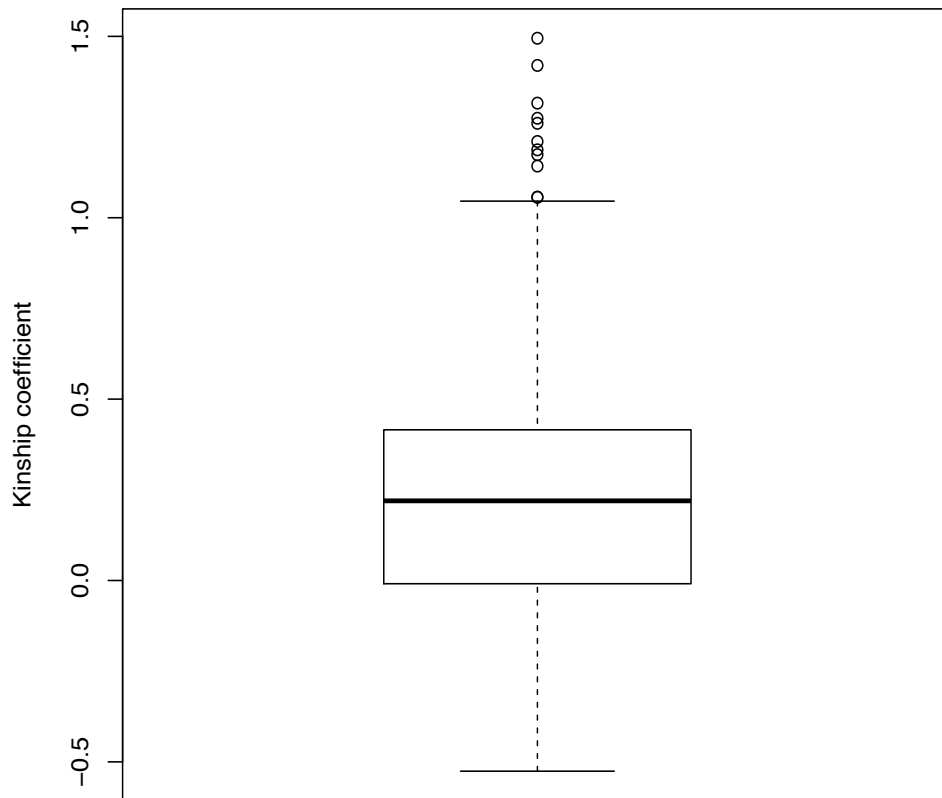
9

10 Figure S3. Map of distribution of the mating type in female elements. Ascocarps are
 11 represented as dots and ectomycorrhizas as crosses. *MATI-1* is represented in green and
 12 *MATI-2* in blue.



13

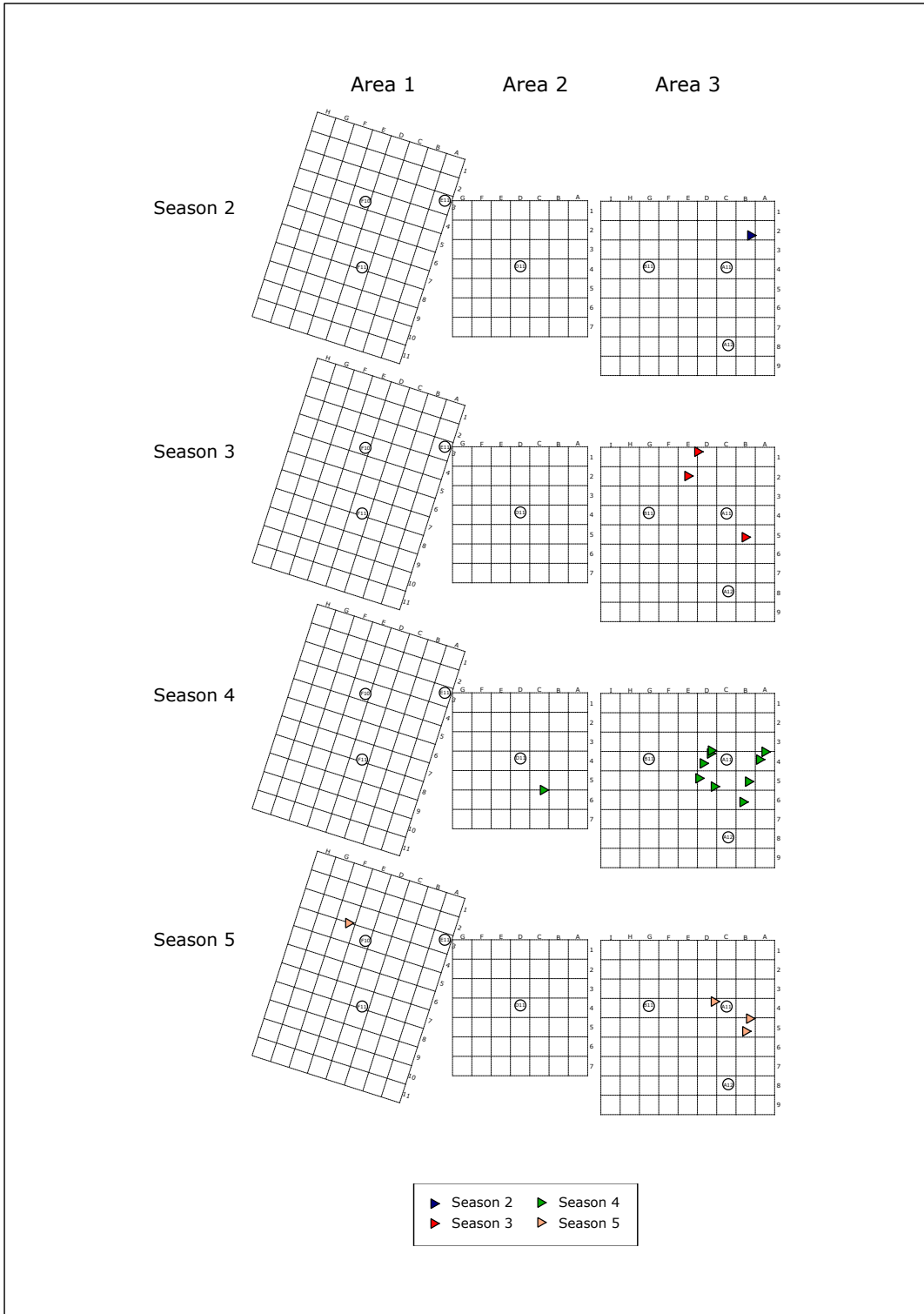
14 Figure S4. Kinship coefficient calculated for each pair of genotypes (female and male)
15 in all 206 zygotes analysed.



16

17

18 Figure S5. Map of the perennial male strain (R102) in the Rollainville orchard. This
19 genotype was detected only as male element in four seasons. Each season is represented
20 by a different colour.



21

Table S1: Summary of all genotyped samples with their localisation in the truffle orchard. Coordinates in the square are indicated, as well as the coordinate in the orchards used for isolation by distance analysis. ECM: Ectomycorrhiza; MAT: mating type

season	Sample Name	Sample type	Tm1_ATT18	fm112_TAT1	Tm16ATA12	Tm2_TAT15	n22_CCTCAT	m241_TAA1	i269_TGTTG	m75_GAAA	Tm9_ATCA	12Tm98_TAT15	MAT	GENOTYPE	Area	Plot	x-square	y-square	x-map	y-map
1	101025-1	Female	345	248	172	207	324	253	374	327	338	225	2	R001	3	E5	36	43 7.15	24.48	
1	101025-2	Female	345	248	172	207	324	253	374	327	338	225	2	R001	3	G5	15	82 6.93	26.46	
1	101222-1	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	D8	25	56 10.43	24.26	
1	101222-1	Male	345	248	172	177	360	256	374	327	330	225	2	R078	3	D8	25	56 10.43	24.26	
1	101222-2	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	G9	55	56 10.31	28.00	
1	101222-2	Male	356	248	172	168	330	256	386	327	330	225	2	R079	3	G9	55	56 10.31	28.00	
1	101222-3	Female	345	248	172	165	342	253	374	339	330	225	2	R003	3	B6	3	71 9.40	21.40	
1	101222-3	Male	345	248	172	165	330	256	374	339	330	228	1	R080	3	B6	3	71 9.40	21.40	
1	101222-4	Female	345	269	172	165	330	256	374	339	330	228	2	R004	3	A4	51	63 7.62	20.24	
1	101222-5	Female	305	248	172	207	360	253	374	327	330	225	1	R005	3	D8	64	86 10.60	24.75	
1	101222-5	Male	345	248	172	165	342	256	374	327	330	225	2	R069	3	D8	64	86 10.60	24.75	
1	101222-6	Female	305	248	172	165	342	253	374	339	330	225	2	R006	3	A4	26	63 7.70	19.98	
1	101222-6	Male	345	248	172	207	360	256	374	327	330	225	1	R081	3	A4	26	63 7.70	19.98	
1	101229-1	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	E9	47	86 11.25	25.88	
1	101229-1	Male	305	248	172	207	360	256	374	327	330	225	2	R082	3	E9	47	86 11.25	25.88	
1	101229-2	Female	345	248	172	207	330	256	374	339	330	225	2	R007	3	C5	98	12 7.29	22.99	
1	101229-2	Male	345	248	175	177	324	256	374	327	330	225	1	R083	3	C5	98	12 7.29	22.99	
1	110108-1	Female	305	248	172	207	360	253	374	327	330	225	1	R005	3	E10	99	5 11.27	26.49	
1	110108-1	Male	305	248	172	177	330	256	374	327	330	225	2	R084	3	E10	99	5 11.27	26.49	
1	110122-1	Female	305	248	172	207	360	253	374	327	330	225	1	R005	3	D8	70	78 10.48	24.75	
1	110122-1	Male	345	248	172	177	360	256	374	327	330	225	2	R078	3	D8	70	78 10.48	24.75	
1	110122-2	Female	345	248	172	207	330	256	374	339	330	225	2	R007	3	C4	14	50 6.98	21.93	
1	110122-2	Male	345	248	172	207	330	256	374	327	330	225	1	R085	3	C4	14	50 6.98	21.93	
1	110122-3	Female	345	248	172	165	342	253	374	339	330	225	2	R003	3	C6	3	27 8.71	22.31	
1	110122-3	Male	345	248	172	165	330	256	374	327	306	225	1	R086	3	C6	3	27 8.71	22.31	
1	110122-4	Female	305	248	172	207	360	253	374	327	330	225	1	R005	3	E9	1	99 11.55	25.45	
1	110122-4	Male	305	248	172	207	360	256	374	327	330	225	2	R082	3	E9	1	99 11.55	25.45	
1	110127-1	Female	345	248	172	165	342	253	374	339	330	225	2	R003	3	C6	16	55 8.88	22.52	
1	110127-1	Male	345	248	172	165	324	256	386	327	330	225	1	R087	3	C6	16	55 8.88	22.52	
1	110127-2	Female	345	248	172	165	342	253	374	339	330	225	2	R003	3	C7	20	2 9.31	22.70	
1	110127-2	Male	345	248	172	165	324	256	374	327	330	225	1	R088	3	C7	20	2 9.31	22.70	
1	A4-1	ECM	345	269	172	165	330	256	374	339	330	228	2	R004	3	A4	51	63 7.62	20.24	
1	A4-2	ECM	345	269	172	165	330	256	374	339	330	228	2	R004	3	A4	51	63 7.62	20.24	
1	A4-3	ECM	345	269	172	165	330	256	374	339	330	228	2	R004	3	A4	51	63 7.62	20.24	
1	B6-1	ECM	345	248	172	165	342	253	374	339	330	225	2	R003	3	B6	3	71 9.40	21.40	
1	B6-2	ECM	345	248	172	165	342	253	374	339	330	225	2	R003	3	B6	3	71 9.40	21.40	
1	B6-3	ECM	345	248	172	165	342	253	374	339	330	225	2	R003	3	B6	3	71 9.40	21.40	
1	B7-1	ECM	345	248	172	165	342	253	374	339	330	225	2	R003	3	B7	50	50 9.98	22.10	
1	B7-2	ECM	345	248	172	165	342	253	374	339	330	225	2	R003	3	B7	50	50 9.98	22.10	
1	B7-3	ECM	345	248	172	165	342	253	374	339	330	225	2	R003	3	B7	50	50 9.98	22.10	
1	C4-1	ECM	345	248	172	207	330	256	374	339	330	225	2	R007	3	C4	14	50 6.98	21.93	
1	C4-2	ECM	345	248	172	207	330	256	374	339	330	225	2	R007	3	C4	14	50 6.98	21.93	
1	C4-3	ECM	345	248	172	207	330	256	374	339	330	225	2	R007	3	C4	14	50 6.98	21.93	
1	C5-1	ECM	345	248	172	207	330	256	374	339	330	225	2	R007	3	C5	12	98 8.38	22.33	
1	C5-2	ECM	345	248	172	207	330	256	374	339	330	225	2	R007	3	C5	12	98 8.38	22.33	
1	C5-3	ECM	345	248	172	207	330	256	374	339	330	225	2	R007	3	C5	12	98 8.38	22.33	
1	C6-1-1	ECM	345	248	172	165	342	253	374	339	330	225	2	R003	3	C6	3	27 8.71	22.31	
1	C6-1-2	ECM	345	248	172	165	342	253	374	339	330	225	2	R003	3	C6	3	27 8.71	22.31	
1	C6-1-3	ECM	345	248	172	165	342	253	374	339	330	225	2	R003	3	C6	3	27 8.71	22.31	
1	C6-2-1	ECM	345	248	172	165	342	253	374	339	330	225	2	R003	3	C6	20	60 8.91	22.57	
1	C6-2-2	ECM	345	248	172	165	342	253	374	339	330	225	2	R003	3	C6	20	60 8.91	22.57	
1	C6-2-3	ECM	345	248	172	165	342	253	374	339	330	225	2	R003	3	C6	20	60 8.91	22.57	
1	C6-3-1	ECM	345	248	172	207	342	253	374	339	330	225	2	R008	3	C6	20	75 9.05	22.62	
1	C6-3-2	ECM	345	248	172	207	342	253	374	339	330	225	2	R008	3	C6	20	75 9.05	22.62	

1	C6-3-3	ECM	345	248	172	207	342	253	374	339	330	225	2	R008	3	C6	20	75 9.05	22.62
1	C8-1	ECM	305	248	172	207	360	256	374	327	330	225	1	R002	3	C8	50	50 10.60	23.46
1	C8-2	ECM	305	248	172	207	360	256	374	327	330	225	1	R002	3	C8	50	50 10.60	23.46
1	C8-3	ECM	305	248	172	207	360	256	374	327	330	225	1	R002	3	C8	50	50 10.60	23.46
1	C9-1	ECM	305	248	172	207	360	256	374	327	330	225	1	R002	3	C9	37	40 11.53	23.59
1	C9-2	ECM	305	248	172	207	360	256	374	327	330	225	1	R002	3	C9	37	40 11.53	23.59
1	C9-3	ECM	305	248	172	207	360	256	374	327	330	225	1	R002	3	C9	37	40 11.53	23.59
1	D5-1	ECM	345	248	172	210	360	256	374	339	330	225	2	R009	3	D5	50	50 7.49	23.62
1	D5-2	ECM	345	248	172	210	360	256	374	339	330	225	2	R009	3	D5	50	50 7.49	23.62
1	D5-3	ECM	345	248	172	210	360	256	374	339	330	225	2	R009	3	D5	50	50 7.49	23.62
1	D8-1-1	ECM	305	248	172	207	360	256	374	327	330	225	1	R002	3	D8	60	45 10.22	24.55
1	D8-1-2	ECM	305	248	172	207	360	253	374	327	330	225	1	R005	3	D8	60	45 10.22	24.55
1	D8-1-3	ECM	305	248	172	207	360	253	374	327	330	225	1	R005	3	D8	60	45 10.22	24.55
1	D8-2-1	ECM	305	248	172	207	360	253	374	327	330	225	1	R005	3	D8	40	75 10.56	24.50
1	D8-2-2	ECM	305	248	172	207	360	253	374	327	330	225	1	R005	3	D8	40	75 10.56	24.50
1	D8-2-3	ECM	305	248	172	207	360	253	374	327	330	225	1	R005	3	D8	40	75 10.56	24.50
1	D8-3-1	ECM	305	248	172	207	360	253	374	327	330	225	1	R005	3	D8	45	90 10.69	24.58
1	D8-3-2	ECM	305	248	172	207	360	253	374	327	330	225	1	R005	3	D8	45	90 10.69	24.58
1	D8-3-3	ECM	305	248	172	207	360	253	374	327	330	225	1	R005	3	D8	45	90 10.69	24.58
1	D9-1	ECM	305	248	172	207	360	256	374	327	330	225	1	R002	3	D9	95	95 11.54	25.36
1	D9-2	ECM	305	248	172	207	360	256	374	327	330	225	1	R002	3	D9	95	95 11.54	25.36
1	D9-3	ECM	305	248	172	207	360	256	374	327	330	225	1	R002	3	D9	95	95 11.54	25.36
1	E10-1	ECM	305	248	172	207	360	253	374	327	330	225	1	R005	3	E10	50	50 11.87	26.11
1	E10-2	ECM	305	248	172	207	360	253	374	327	330	225	1	R005	3	E10	50	50 11.87	26.11
1	E10-3	ECM	305	248	172	207	360	253	374	327	330	225	1	R005	3	E10	50	50 11.87	26.11
1	E5-1	ECM	345	248	172	207	324	253	374	327	338	225	2	R001	3	E5	36	43 7.15	24.48
1	E5-2	ECM	345	248	172	207	324	253	374	327	338	225	2	R001	3	E5	36	43 7.15	24.48
1	E5-3	ECM	345	248	172	207	324	253	374	327	338	225	2	R001	3	E5	36	43 7.15	24.48
1	E6-1	ECM	305	248	172	165	360	256	374	327	330	225	1	R010	3	E6	50	50 8.09	24.93
1	E6-2	ECM	305	248	172	165	360	256	374	327	330	225	1	R010	3	E6	50	50 8.09	24.93
1	E6-3	ECM	305	248	172	165	360	256	374	327	330	225	1	R010	3	E6	50	50 8.09	24.93
1	E7-1	ECM	305	248	172	207	360	253	374	327	330	225	1	R005	3	E7	50	50 9.01	25.22
1	E7-2	ECM	305	248	172	207	360	253	374	327	330	225	1	R005	3	E7	50	50 9.01	25.22
1	E7-3	ECM	305	248	172	207	360	253	374	327	330	225	1	R005	3	E7	50	50 9.01	25.22
1	E8-1	ECM	305	248	172	207	360	253	374	327	330	225	1	R005	3	E8	50	50 9.96	25.52
1	E8-2	ECM	305	248	172	207	360	253	374	327	330	225	1	R005	3	E8	50	50 9.96	25.52
1	E8-3	ECM	305	248	172	207	360	253	374	327	330	225	1	R005	3	E8	50	50 9.96	25.52
1	E9-1-1	ECM	305	248	172	207	360	253	374	327	330	225	1	R005	3	E9	43	10 10.57	25.63
1	E9-1-2	ECM	305	248	172	207	360	253	374	327	330	225	1	R005	3	E9	43	10 10.57	25.63
1	E9-1-3	ECM	305	248	172	207	360	253	374	327	330	225	1	R005	3	E9	43	10 10.57	25.63
1	E9-2-1	ECM	305	248	172	207	360	253	374	327	330	225	1	R005	3	E9	30	42 10.91	25.57
1	E9-2-2	ECM	305	248	172	207	360	253	374	327	330	225	1	R005	3	E9	30	42 10.91	25.57
1	E9-2-3	ECM	305	248	172	207	360	253	374	327	330	225	1	R005	3	E9	30	42 10.91	25.57
1	F5-1	ECM	345	248	172	207	324	253	374	327	338	225	2	R001	3	F5	50	50 6.84	25.71
1	F5-2	ECM	345	248	172	207	324	253	374	327	338	225	2	R001	3	F5	50	50 6.84	25.71
1	F5-3	ECM	345	248	172	207	324	253	374	327	338	225	2	R001	3	F5	50	50 6.84	25.71
1	F6-1	ECM	305	248	172	207	360	253	374	327	330	225	1	R005	3	F6	50	50 7.76	26.00
1	F6-2	ECM	305	248	172	207	360	253	374	327	330	225	1	R005	3	F6	50	50 7.76	26.00
1	F6-3	ECM	305	248	172	207	360	253	374	327	330	225	1	R005	3	F6	50	50 7.76	26.00
1	F7-1	ECM	305	248	172	207	360	253	374	327	330	225	1	R005	3	F7	50	50 8.67	26.28
1	F7-2	ECM	305	248	172	207	360	253	374	327	330	225	1	R005	3	F7	50	50 8.67	26.28
1	F7-3	ECM	305	248	172	207	360	253	374	327	330	225	1	R005	3	F7	50	50 8.67	26.28
1	F8-1	ECM	305	248	172	207	360	253	374	327	330	225	1	R005	3	F8	50	50 9.63	26.58
1	F8-2	ECM	305	248	172	207	360	253	374	327	330	225	1	R005	3	F8	50	50 9.63	26.58
1	F8-3	ECM	305	248	172	207	360	253	374	327	330	225	1	R005	3	F8	50	50 9.63	26.58
1	G9-1	ECM	305	248	172	207	360	256	374	327	330	225	1	R002	3	G9	55	56 10.31	28.00
1	G9-2	ECM	305	248	172	207	360	256	374	327	330	225	1	R002	3	G9	55	56 10.31	28.00
1	G9-3	ECM	305	248	172	207	360	256	374	327	330	225	1	R002	3	G9	55	56 10.31	28.00
2	111027-1	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	F8	50	50 9.63	26.58
2	111128-1	Female	305	254	172	156	330	256	374	339	330	204	2	R025	2	D1	4	17 6.74	15.50
2	111128-2	Female	305	254	172	156	330	256	374	339	330	204	2	R025	2	D2	98	10 7.66	16.38

2	111128-3	Female	345	248	172	165	342	253	374	339	330	225	2	R003	3	C8	20	1 10.26	23.00
2	111215-1	Female	305	248	172	207	360	256	374	327	424	225	1	R011	3	C8	50	95 11.04	23.60
2	111215-1	Male	305	248	175	177	360	256	374	327	330	225	2	R089	3	C8	50	95 11.04	23.60
2	111224-1	Female	345	248	172	207	324	256	386	339	330	225	2	R017	3	E3	65	1 4.74	24.05
2	111224-10	Female	305	248	172	207	360	256	422	327	330	225	1	R013	3	E9	17	32 10.83	25.43
2	111224-10	Male	305	248	172	156	360	256	374	339	334	225	2	R093	3	E9	17	32 10.83	25.43
2	111224-3	Female	345	248	172	165	342	253	374	339	330	225	2	R003	3	C7	0	36 9.70	22.62
2	111224-3	Male	305	248	172	207	342	256	374	339	330	225	1	R207	3	C7	0	36 9.70	22.62
2	111224-4	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	F8	89	96 9.94	27.12
2	111224-4	Male	345	248	172	207	324	256	374	327	322	225	2	R208	3	F8	89	96 9.94	27.12
2	111224-6	Female	305	254	172	207	360	256	374	327	330	225	1	R012	3	E8	40	94 10.43	25.54
2	111224-6	Male	305	248	172	177	360	256	374	327	330	225	2	R090	3	E8	40	94 10.43	25.54
2	111224-7	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	E8	44	16 9.65	25.34
2	111224-7	Male	305	248	172	177	360	256	374	327	330	225	2	R090	3	E8	44	16 9.65	25.34
2	111224-8	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	E8	36	57 10.08	25.39
2	111224-8	Male	345	251	172	207	330	256	374	327	334	225	2	R091	3	E8	36	57 10.08	25.39
2	111224-9	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	E8	36	57 10.08	25.39
2	111224-9	Male	305	248	172	177	330	253	374	327	330	225	2	R092	3	E8	36	57 10.08	25.39
2	120116-1	Female	345	248	172	165	342	253	374	339	330	225	2	R003	3	C6	11	39 8.78	22.45
2	120116-1	Male	305	248	172	165	330	256	374	339	322	225	1	R094	3	C6	11	39 8.78	22.45
2	120116-10	Female	305	254	172	156	330	256	374	339	330	204	2	R025	2	E3	94	53 9.04	17.30
2	120116-10	Male	305	266	172	207	330	256	374	339	330	225	1	R102	2	E3	94	53 9.04	17.30
2	120116-11	Female	345	269	172	207	330	256	362	327	330	204	1	R022	1	G4	15	72 10.39	7.89
2	120116-11	Male	305	251	172	156	330	256	374	339	330	225	2	R061	1	G4	15	72 10.39	7.89
2	120116-2	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	C5	76	76 11.35	4.55
2	120116-2	Male	305	248	172	207	324	256	374	327	330	225	1	R095	1	C5	76	76 11.35	4.55
2	120116-3	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	B4	48	75 10.43	3.28
2	120116-3	Male	345	248	172	174	342	256	374	339	342	225	1	R096	1	B4	48	75 10.43	3.28
2	120116-4	Female	285	242	172	156	330	256	374	339	330	204	2	R026	2	E3	94	53 9.04	17.30
2	120116-4	Male	305	251	172	207	324	256	374	327	330	204	1	R097	2	E3	94	53 9.04	17.30
2	120116-5	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	B4	77	100 10.66	3.59
2	120116-5	Male	345	248	172	156	324	256	374	327	330	225	1	R098	1	B4	77	100 10.66	3.59
2	120116-6	Female	305	254	172	156	330	256	374	339	330	204	2	R025	2	E3	94	53 9.04	17.30
2	120116-6	Male	305	251	172	207	330	256	374	339	330	204	1	R099	2	E3	94	53 9.04	17.30
2	120116-7	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	D8	46	60 10.40	24.49
2	120116-7	Male	305	248	172	177	360	256	374	327	330	225	2	R090	3	D8	46	60 10.40	24.49
2	120116-8	Female	345	248	172	207	330	256	374	339	330	225	2	R007	3	D6	30	80 8.72	23.80
2	120116-9	Female	345	269	172	207	330	256	362	327	330	204	1	R022	1	G4	15	72 10.39	7.89
2	120116-9	Male	345	257	172	213	330	256	362	339	330	204	2	R101	1	G4	15	72 10.39	7.89
2	120130-1	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	B2	19	75 8.51	3.01
2	120130-1	Male	345	248	172	177	324	256	374	327	330	225	1	R103	1	B2	19	75 8.51	3.01
2	120130-2	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	B3	10	50 9.20	2.90
2	120130-2	Male	305	269	172	174	324	256	374	327	330	225	1	R104	1	B3	10	50 9.20	2.90
2	120130-3	Female	345	251	172	207	360	256	374	339	330	204	2	R027	2	D2	53	18 7.74	15.92
2	120130-3	Male	305	251	172	153	330	256	374	339	330	225	1	R105	2	D2	53	18 7.74	15.92
2	120130-4	Female	305	248	172	165	360	256	374	339	330	225	1	R014	3	D9	25	99 11.79	24.68
2	120130-4	Male	305	248	172	207	360	256	374	327	330	225	2	R082	3	D9	25	99 11.79	24.68
2	120130-5	Female	305	248	172	165	360	256	374	339	330	225	1	R014	3	D7	99	50 9.17	24.71
2	120130-5	Male	305	266	172	174	324	256	374	327	330	225	2	R107	3	D7	99	50 9.17	24.71
2	120130-6	Female	305	248	172	207	342	256	374	327	330	225	1	R015	3	E8	80	65 10.00	25.89
2	120130-6	Male	345	248	172	174	318	256	374	327	330	225	2	R108	3	E8	80	65 10.00	25.89
2	120130-7	Female	345	248	172	165	342	253	374	339	330	225	2	R003	3	C6	23	40 8.75	22.56
2	120130-7	Male	305	248	172	165	342	256	374	339	330	225	1	R109	3	C6	23	40 8.75	22.56
2	120130-8	Female	345	248	172	207	330	256	374	339	330	225	2	R007	3	C3	10	100 6.52	21.71
2	120130-8	Male	345	248	172	207	330	256	374	339	330	225	1	R110	3	C3	10	100 6.52	21.71
2	120219-1	Female	305	248	172	207	360	250	374	327	330	225	1	R023	1	F4	15	75 10.43	6.89
2	120219-1	Male	332	251	172	207	342	256	374	339	322	225	2	R111	1	F4	15	75 10.43	6.89
2	120225-1	Female	345	272	172	207	330	256	374	327	330	231	2	R018	3	A2	21	95 6.15	19.42
2	120225-1	Male	345	269	172	165	330	256	362	339	330	225	1	R112	3	A2	21	95 6.15	19.42
2	120225-2	Female	345	272	172	207	330	256	374	327	330	231	2	R018	3	A2	82	99 5.98	20.09
2	120225-2	Male	345	269	172	165	354	256	362	327	330	225	1	R113	3	A2	82	99 5.98	20.09

2	120225-3	Female	305	230	172	207	360	256	374	327	330	225	1	R016	3	D9	72	99 11.64	25.16
2	120225-3	Male	352	245	172	207	360	256	350	327	394	225	2	R114	3	D9	72	99 11.64	25.16
2	120225-4	Female	345	248	172	156	330	256	374	339	330	225	2	R019	3	C4	1	70 7.21	21.84
2	120225-5	Female	345	248	172	156	324	256	374	339	338	225	2	R020	3	F4	24	24 5.72	25.04
2	120225-5	Male	345	248	169	162	330	253	362	327	330	225	1	R115	3	F4	24	24 5.72	25.04
2	120225-6	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	A3	7	96 9.66	1.90
2	120225-6	Male	345	269	172	207	330	256	374	327	326	225	1	R116	1	A3	7	96 9.66	1.90
2	120225-7	Female	345	269	172	207	360	256	362	327	330	204	1	R024	1	E4	6	31 10.00	5.86
2	120225-7	Male	345	248	172	153	330	256	374	339	330	204	2	R117	1	E4	6	31 10.00	5.86
2	120225-8	Female	345	269	172	207	330	256	362	327	330	204	1	R022	1	E4	45	1 9.70	6.24
2	120225-8	Male	345	266	172	165	342	256	362	327	330	225	2	R118	1	E4	45	1 9.70	6.24
2	120225-9	Female	305	254	172	207	330	256	374	339	330	225	2	R028	2	D3	27	89 9.39	15.73
2	120225-9	Male	305	248	172	207	324	256	374	339	330	204	1	R120	2	D3	27	89 9.39	15.73
3	121128-1	Female	345	269	172	165	330	256	374	339	330	228	2	R004	3	Z3	79	100 7.28	19.29
3	121128-1	Male	305	248	172	207	360	256	374	327	330	228	1	R121	3	Z3	79	100 7.28	19.29
3	121128-2	Female	305	248	172	207	342	256	374	327	330	225	2	R032	2	B4	70	80 10.23	14.15
3	121128-2	Male	345	266	172	174	360	253	374	339	330	225	1	R122	2	B4	70	80 10.23	14.15
3	130104-1	Female	309	248	172	207	342	256	374	327	330	225	2	R031	2	B5	98	10 10.54	14.46
3	130104-1	Male	309	248	172	177	330	253	374	327	330	225	1	R123	2	B5	98	10 10.54	14.46
3	130104-2	Female	301	248	172	207	360	256	374	327	330	225	1	R030	3	E9	46	68 11.11	25.83
3	130104-2	Male	345	248	172	207	360	256	374	327	330	225	2	R124	3	E9	46	68 11.11	25.83
3	130104-3	Female	309	248	172	165	342	253	374	327	322	225	2	R033	2	C5	35	32 10.73	14.80
3	130104-3	Male	309	248	172	174	324	253	374	339	330	225	1	R125	2	C5	35	32 10.73	14.80
3	130104-4	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	F10	100	15 11.04	27.59
3	130104-4	Male	352	248	172	207	360	256	362	327	338	225	2	R126	3	F10	100	15 11.04	27.59
3	130104-5	Female	305	248	175	207	342	253	374	327	334	225	2	R034	2	C5	33	32 10.73	14.80
3	130104-5	Male	305	248	175	177	342	256	374	339	334	225	1	R127	2	C5	33	32 10.73	14.80
3	130104-6	Female	325	248	172	207	360	256	374	327	330	225	1	R029	3	E9	44	68 11.12	25.80
3	130104-6	Male	352	248	172	207	330	256	374	327	322	225	2	R128	3	E9	44	68 11.12	25.80
3	130202-1	Female	325	251	172	156	330	256	374	339	330	252	2	R035	2	F5	77	7 10.50	18.15
3	130202-1	Male	305	248	172	156	330	256	374	327	330	252	1	R129	2	F5	77	7 10.50	18.15
3	130202-10	Female	305	266	172	171	330	256	362	327	326	225	1	R036	1	G4	13	74 10.39	7.89
3	130202-10	Male	345	248	172	207	360	256	374	327	330	225	2	R136	1	G4	13	74 10.39	7.89
3	130202-11	Female	301	248	175	192	330	256	362	327	334	249	1	R037	1	F5	77	44 11.08	7.51
3	130202-11	Male	345	266	175	177	330	256	374	339	334	225	2	R137	1	F5	77	44 11.08	7.51
3	130202-2	Female	305	248	172	156	330	253	374	339	330	249	2	R038	2	E5	3	76 11.16	16.42
3	130202-2	Male	345	251	172	153	324	256	374	339	330	225	1	R130	2	E5	3	76 11.16	16.42
3	130202-3	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	F8	4	66 9.92	26.15
3	130202-3	Male	352	254	178	159	336	256	374	323	338	225	2	R131	3	F8	4	66 9.92	26.15
3	130202-4	Female	301	248	172	171	360	256	374	327	330	225	1	R039	3	C12	46	18 14.09	24.51
3	130202-4	Male	345	248	172	207	360	256	374	327	330	225	2	R124	3	C12	46	18 14.09	24.51
3	130202-5	Female	345	269	172	165	330	256	374	339	330	228	2	R004	3	X3	21	68 7.82	16.52
3	130202-5	Male	345	251	172	162	324	256	374	339	326	225	1	R132	3	X3	21	68 7.82	16.52
3	130202-6	Female	325	266	172	207	330	256	362	327	330	231	2	R040	1	F5	77	42 11.04	7.51
3	130202-6	Male	345	266	172	207	342	256	362	335	330	210	1	R133	1	F5	77	42 11.04	7.51
3	130202-7	Female	325	248	172	207	342	253	374	327	310	225	2	R041	1	E5	6	93 11.50	5.86
3	130202-7	Male	345	269	172	177	324	253	374	327	330	225	1	R134	1	E5	6	93 11.50	5.86
3	130202-8	Female	305	323	169	165	330	256	380	327	330	225	2	R042	2	F5	27	53 10.96	17.65
3	130202-8	Male	305	251	172	156	324	256	374	339	330	252	1	R135	2	F5	27	53 10.96	17.65
3	130202-9	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	E8	76	94 10.31	25.95
3	130202-9	Male	349	248	172	207	360	256	374	327	330	225	2	R136	3	E8	76	94 10.31	25.95
3	130208-2	Female	305	248	172	207	330	256	374	327	330	225	1	R043	1	F4	15	11 9.81	6.89
3	130208-2	Male	345	266	172	165	330	256	362	327	330	225	2	R138	1	F4	15	11 9.81	6.89
3	130217-1	Female	345	266	172	207	330	256	362	327	330	225	1	R044	1	E4	14	83 10.50	5.93
3	130217-1	Male	305	248	172	207	360	256	374	327	330	225	2	R082	1	E4	14	83 10.50	5.93
3	130217-2	Female	305	251	172	156	330	256	374	339	330	225	2	R061	2	E5	5	95 11.35	16.46
3	130217-2	Male	305	251	172	156	330	256	374	339	330	225	1	R139	2	E5	5	95 11.35	16.46
3	130217-3	Female	305	323	172	174	324	256	374	327	330	225	2	R045	1	C4	39	98 10.62	4.21
3	130217-4	Female	345	323	181	213	324	256	374	327	338	225	2	R046	1	B5	49	67 11.27	3.32
3	130217-4	Male	345	248	172	177	324	256	374	327	330	225	1	R103	1	B5	49	67 11.27	3.32
3	130301-1	Female	345	323	172	207	324	256	374	327	330	225	2	R047	1	D1	95	20 7.01	5.74

3	130301-1	Male	345	248	172	177	324	256	374	327	330	225	1	R103	1	D1	95	20 7.01	5.74
3	130301-2	Female	345	323	172	207	324	256	374	327	330	225	2	R047	1	E2	47	46 8.20	6.28
3	130301-2	Male	345	248	172	177	324	256	374	327	330	225	1	R103	1	E2	47	46 8.20	6.28
3	130301-3	Female	301	248	172	207	360	256	374	327	330	225	1	R030	3	D9	46	25 11.02	24.68
3	130301-3	Male	305	248	172	177	360	256	374	327	330	225	2	R090	3	D9	46	25 11.02	24.68
3	130301-4	Female	301	248	172	207	360	256	374	327	330	225	1	R030	3	D9	26	27 11.08	24.50
3	130301-4	Male	301	248	172	177	330	256	374	327	330	225	2	R140	3	D9	26	27 11.08	24.50
3	130308-1	Female	345	323	172	207	324	256	374	327	330	225	2	R047	1	C5	25	6 10.70	4.05
3	130310-1	Female	305	248	172	165	330	256	374	327	330	225	2	R048	3	E9	65	67 11.05	26.02
3	130310-1	Male	345	248	172	207	324	256	374	327	330	225	1	R074	3	E9	65	67 11.05	26.02
4	131115-1	Female	309	248	172	207	342	253	374	327	330	225	2	R049	2	B5	58	86 11.27	14.04
4	131115-1	Male	305	248	172	177	342	253	374	327	330	225	1	R141	2	B5	58	86 11.27	14.04
4	131202-1	Female	305	248	172	207	324	256	350	327	330	225	2	R050	1	B7	14	68 13.19	2.98
4	131202-1	Male	345	248	172	207	330	259	374	339	330	225	1	R142	1	B7	14	68 13.19	2.98
4	131209-1	Female	345	248	172	207	330	256	374	339	306	225	2	R051	3	D5	47	85 7.82	23.72
4	131209-1	Male	305	248	172	165	324	256	374	327	306	225	1	R143	3	D5	47	85 7.82	23.72
4	131210-1	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	E6	77	75 8.22	25.29
4	131210-1	Male	349	248	172	207	360	256	374	327	330	225	2	R136	3	E6	77	75 8.22	25.29
4	131210-2	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	D3	28	33 9.04	5.09
4	131210-2	Male	345	248	172	207	330	256	374	320	330	225	1	R144	1	D3	28	33 9.04	5.09
4	131210-3	Female	305	248	178	162	330	256	350	339	334	225	2	R052	1	B7	14	63 13.15	2.98
4	131210-3	Male	305	248	172	207	330	256	350	339	306	225	1	R145	1	B7	14	63 13.15	2.98
4	131210-4	Female	305	248	172	177	324	256	374	327	330	225	2	R053	1	B7	15	36 12.88	2.98
4	131210-4	Male	345	269	172	207	330	256	350	339	330	225	1	R146	1	B7	15	36 12.88	2.98
4	131210-5	Female	309	248	172	207	342	253	374	327	330	225	2	R049	2	C6	25	1 11.43	14.73
4	131210-5	Male	345	248	172	177	324	256	374	327	330	225	1	R103	2	C6	25	1 11.43	14.73
4	131210-6	Female	345	248	172	165	330	256	374	339	330	228	2	R054	2	A1	30	28 6.86	12.81
4	131210-6	Male	345	248	172	165	330	256	374	339	306	228	1	R147	2	A1	30	28 6.86	12.81
4	131224-3	Female	309	248	172	207	342	253	374	327	330	225	2	R049	2	C6	2	23 11.62	14.50
4	131224-3	Male	345	248	172	177	342	256	374	327	330	225	1	R148	2	C6	2	23 11.62	14.50
4	131224-4	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	D4	65	60 10.27	5.43
4	131224-4	Male	345	248	172	177	324	256	374	327	330	225	1	R103	1	D4	65	60 10.27	5.43
4	131224-5	Female	345	248	172	207	324	256	374	327	334	225	1	R055	1	E5	36	77 11.35	6.16
4	131224-5	Male	345	248	172	207	324	256	374	327	330	225	2	R021	1	E5	36	77 11.35	6.16
4	131229-1	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	C6	56	31 11.89	4.36
4	140106-1	Female	305	269	172	165	342	256	374	327	314	225	2	R056	1	D7	58	33 12.85	5.40
4	140106-10	Female	345	266	172	207	330	256	362	327	330	225	1	R044	1	D7	32	55 13.08	5.13
4	140106-11	Female	305	248	172	207	324	256	386	320	306	225	1	R057	1	F4	87	86 10.50	7.62
4	140106-12	Female	305	248	172	207	330	256	350	339	330	225	2	R058	1	B8	73	46 13.96	3.55
4	140106-2	Female	349	245	169	207	330	253	362	335	326	225	2	R059	3	A2	90	15 5.15	19.91
4	140106-3	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	F7	93	71 8.76	26.79
4	140106-4	Female	345	248	172	207	330	256	374	339	306	225	2	R051	3	C6	66	49 8.69	23.03
4	140106-5	Female	305	248	172	207	330	256	350	339	330	225	2	R058	1	B7	17	47 13.00	2.98
4	140106-6	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	D9	94	28 10.88	25.16
4	140106-7	Female	345	266	172	207	330	256	362	327	330	225	1	R044	1	E4	92	30 9.97	6.66
4	140106-8	Female	345	269	172	165	330	256	374	339	330	228	2	R004	3	B3	34	20 5.99	20.70
4	140106-9	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	E6	86	32 7.83	25.25
4	140109-1	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	A4	74	40 10.08	2.55
4	140109-1	Male	345	248	172	177	324	256	374	327	330	225	1	R103	1	A4	74	40 10.08	2.55
4	140109-10	Female	305	248	172	207	360	256	362	327	334	225	1	R060	3	C11	20	5 13.12	23.89
4	140109-10	Male	305	248	172	207	360	256	374	327	334	225	2	R153	3	C11	20	5 13.12	23.89
4	140109-11	Female	345	266	172	207	330	256	362	327	330	225	1	R044	1	E4	75	4 9.74	6.51
4	140109-11	Male	305	266	172	207	330	256	374	327	330	225	2	R154	1	E4	75	4 9.74	6.51
4	140109-12	Female	345	266	172	207	330	256	362	327	330	225	1	R044	1	E5	70	4 10.70	6.47
4	140109-12	Male	345	248	172	207	324	256	362	327	330	225	2	R155	1	E5	70	4 10.70	6.47
4	140109-13	Female	305	251	172	156	330	256	374	339	330	225	2	R061	2	E6	36	5 11.46	16.73
4	140109-13	Male	305	266	172	207	330	256	374	339	330	225	1	R102	2	E6	36	5 11.46	16.73
4	140109-14	Female	305	248	172	174	330	256	374	327	330	225	2	R062	1	D4	30	10 9.77	5.09
4	140109-14	Male	345	248	172	177	324	256	374	327	330	225	1	R103	1	D4	30	10 9.77	5.09
4	140109-15	Female	305	269	172	165	342	256	374	327	314	225	1	R100	1	A7	36	42 12.96	2.17
4	140109-15	Male	345	248	172	162	324	259	374	327	306	225	2	R156	1	A7	36	42 12.96	2.17

4	140109-4	Female	345	248	172	207	330	256	374	327	330	225	2	R063	3	B3	69	75 6.39	21.22
4	140109-4	Male	305	248	172	207	360	256	374	339	330	225	1	R149	3	B3	69	75 6.39	21.22
4	140109-5	Female	345	269	172	165	330	256	374	339	330	228	2	R004	3	Z2	99	73 6.00	19.13
4	140109-5	Male	345	269	172	165	360	256	374	327	330	228	1	R150	3	Z2	99	73 6.00	19.13
4	140109-6	Female	305	248	172	156	330	256	350	327	330	225	2	R064	1	B6	11	51 12.08	2.94
4	140109-6	Male	345	251	172	207	324	256	374	339	306	225	1	R151	1	B6	11	51 12.08	2.94
4	140109-7	Female	305	248	175	174	336	256	380	331	330	225	2	R065	1	D4	29	2 9.70	5.09
4	140109-7	Male	345	248	172	177	324	256	374	327	330	225	1	R103	1	D4	29	2 9.70	5.09
4	140109-8	Female	309	248	172	207	342	253	374	327	330	225	2	R049	2	B4	59	36 9.85	14.08
4	140109-8	Male	309	248	172	177	342	253	374	327	330	225	1	R152	2	B4	59	36 9.85	14.08
4	140128-1	Female	345	269	172	165	330	256	374	339	330	228	2	R004	3	A2	74	55 5.56	19.88
4	140128-1	Male	345	269	169	165	360	256	374	339	330	225	1	R157	3	A2	74	55 5.56	19.88
4	140128-10	Female	345	269	172	165	330	256	374	339	330	228	2	R004	3	A2	73	47 5.50	19.82
4	140128-10	Male	345	248	172	165	330	256	374	339	330	228	1	R080	3	A2	74	55 5.56	19.88
4	140128-11	Female	345	248	172	207	324	253	374	327	338	225	2	R001	3	E4	82	63 6.23	24.71
4	140128-12	Female	345	248	172	207	342	256	374	327	330	225	2	R066	3	G3	43	6 4.20	25.93
4	140128-12	Male	305	248	172	165	330	256	374	339	306	225	1	R161	3	G3	43	6 4.20	25.93
4	140128-13	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	E3	4	94 9.62	5.86
4	140128-13	Male	345	248	172	177	330	256	374	327	330	225	1	R210	1	E3	4	94 9.62	5.86
4	140128-14	Female	345	248	172	207	330	256	374	339	330	225	2	R007	3	C4	22	53 6.99	22.01
4	140128-14	Male	345	248	172	177	330	256	374	339	330	225	1	R162	3	C4	22	53 6.99	22.01
4	140128-15	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	D10	62	2 11.71	25.06
4	140128-15	Male	305	248	172	177	360	256	374	327	330	225	2	R090	3	D10	62	2 11.71	25.06
4	140128-16	Female	345	266	172	207	330	256	362	327	330	225	1	R044	1	E4	92	20 9.89	6.66
4	140128-16	Male	345	269	172	177	330	256	374	327	330	225	2	R163	1	E4	92	20 9.89	6.66
4	140128-17	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	A4	45	1 9.70	2.29
4	140128-17	Male	345	248	172	177	324	256	374	327	330	225	1	R103	1	A4	45	1 9.70	2.29
4	140128-18	Female	305	248	172	156	330	256	374	327	330	225	1	R067	3	F9	21	7 10.28	26.42
4	140128-19	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	D4	92	35 10.04	5.70
4	140128-19	Male	345	269	172	177	324	256	374	327	330	225	1	R164	1	D4	92	35 10.04	5.70
4	140128-2	Female	305	269	172	165	342	256	374	327	314	225	1	R100	1	D8	52	40 13.88	5.32
4	140128-2	Male	345	248	172	207	324	256	374	327	330	225	2	R021	1	D8	52	40 13.88	5.32
4	140128-20	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	E8	20	96 10.49	25.36
4	140128-21	Female	305	248	172	165	360	256	374	327	330	225	1	R010	3	E7	61	60 9.08	25.36
4	140128-21	Male	305	248	172	207	360	256	374	327	330	225	2	R082	3	E7	61	60 9.08	25.36
4	140128-22	Female	309	248	172	207	342	253	374	327	330	225	2	R049	2	B5	25	12 10.54	13.73
4	140128-22	Male	309	248	172	207	330	256	374	327	330	225	1	R165	2	B5	25	12 10.54	13.73
4	140128-23	Female	309	248	172	207	342	253	374	327	330	225	2	R049	2	B4	90	90 10.35	14.38
4	140128-23	Male	309	248	172	207	330	256	374	327	330	225	1	R165	2	B4	90	90 10.35	14.38
4	140128-24	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	D10	56	3 11.74	24.98
4	140128-24	Male	305	248	172	207	360	256	374	327	330	225	2	R082	3	D10	56	3 11.74	24.98
4	140128-25	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	E8	13	89 10.44	25.26
4	140128-26	Female	345	266	172	207	330	256	362	327	330	225	1	R044	1	E4	90	24 9.93	6.66
4	140128-26	Male	305	269	172	207	324	256	374	327	330	225	2	R166	1	E4	90	24 9.93	6.66
4	140128-27	Female	305	269	172	165	342	256	374	327	314	225	1	R100	1	D7	33	53 13.04	5.13
4	140128-27	Male	345	248	172	207	324	256	374	327	330	225	2	R021	1	D7	33	53 13.04	5.13
4	140128-28	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	B6	56	34 11.92	3.36
4	140128-28	Male	345	269	172	207	324	256	374	327	330	225	1	R209	1	B6	56	34 11.92	3.36
4	140128-29	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	D5	89	37 11.00	5.70
4	140128-29	Male	345	248	172	177	324	256	374	327	330	225	1	R103	1	D5	89	37 11.00	5.70
4	140128-3	Female	305	248	172	162	324	256	374	327	330	225	2	R106	1	B7	12	39 12.92	2.94
4	140128-3	Male	305	248	172	207	330	256	350	339	306	225	1	R145	1	B7	12	39 12.92	2.94
4	140128-30	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	E8	14	60 10.18	25.18
4	140128-30	Male	305	248	172	207	330	256	374	327	330	225	2	R068	3	E8	14	60 10.18	25.18
4	140128-31	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	D9	43	42 11.18	24.69
4	140128-31	Male	305	248	172	207	360	256	374	327	330	225	2	R082	3	D9	43	42 11.18	24.69
4	140128-4	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	E10	57	72 12.06	26.25
4	140128-5	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	F7	27	4 8.31	25.89
4	140128-5	Male	305	248	172	207	366	256	374	327	330	225	2	R158	3	F7	27	4 8.31	25.89
4	140128-6	Female	305	248	172	207	342	253	374	327	330	225	2	R119	3	G5	2	98 7.11	26.40
4	140128-7	Female	345	269	172	165	330	256	374	339	330	228	2	R004	3	A2	84	53 5.54	19.95

4	140128-7	Male	345	248	172	207	360	256	374	339	330	225	1	R159	3	A2	84	53 5.54	19.95
4	140128-8	Female	345	248	172	207	330	256	374	339	306	225	2	R051	3	C7	77	28 9.37	23.40
4	140128-8	Male	305	248	175	177	330	256	374	339	306	225	1	R160	3	C7	77	28 9.37	23.40
4	140128-9	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	D9	36	54 11.32	24.65
4	140128-9	Male	345	248	172	207	360	256	374	327	330	225	2	R124	3	D9	36	54 11.32	24.65
4	140208-1	Female	305	269	172	165	342	256	374	327	314	225	1	R100	1	D7	57	84 13.35	5.36
4	140208-1	Male	325	248	172	165	324	256	374	327	330	225	2	R167	1	D7	57	84 13.35	5.36
4	140208-2	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	E3	5	96 9.66	5.86
4	140208-2	Male	345	248	172	207	330	256	374	320	330	225	1	R144	1	E3	5	96 9.66	5.86
4	140208-3	Female	345	248	172	207	330	256	374	327	330	225	2	R063	3	B5	8	35 8.14	21.04
4	140208-3	Male	305	248	172	207	324	253	374	339	338	225	1	R168	3	B5	8	35 8.14	21.04
4	140208-4	Female	345	266	172	207	330	256	362	327	330	225	1	R044	1	F4	70	80 10.47	7.47
4	140208-4	Male	345	266	172	165	342	256	362	327	330	225	2	R118	1	F4	70	80 10.47	7.47
4	140216-1	Female	309	248	172	207	342	253	374	327	330	225	2	R049	2	B4	92	60 10.04	14.38
4	140216-1	Male	309	248	172	207	360	253	374	327	330	225	1	R169	2	B4	92	60 10.04	14.38
4	140216-10	Female	345	266	172	207	330	256	362	327	330	225	1	R044	1	G5	12	20 10.85	7.85
4	140216-10	Male	345	248	172	207	342	256	374	327	330	225	2	R066	3	A2	1	95 6.21	19.24
4	140216-11	Female	345	269	172	165	330	256	374	339	330	228	2	R004	3	A2	1	95 6.21	19.24
4	140216-11	Male	345	269	172	165	360	256	374	327	330	228	1	R150	3	A2	1	95 6.21	19.24
4	140216-12	Female	345	266	172	207	330	256	362	327	330	225	1	R044	1	E4	27	98 10.62	6.09
4	140216-12	Male	305	248	172	162	324	256	374	327	330	225	2	R106	1	E4	27	98 10.62	6.09
4	140216-13	Female	345	248	172	165	342	256	374	339	330	225	2	R206	3	C7	95	66 9.68	23.70
4	140216-13	Male	345	248	172	165	342	256	374	339	330	225	1	R173	3	C7	95	66 9.68	23.70
4	140216-14	Female	345	266	172	207	330	256	362	327	330	225	1	R044	1	F4	65	80 10.47	7.39
4	140216-14	Male	305	266	172	165	330	256	362	339	330	225	2	R174	1	F4	65	80 10.47	7.39
4	140216-15	Female	345	248	172	207	330	256	374	327	330	225	2	R063	3	C3	10	25 5.79	21.48
4	140216-15	Male	345	248	172	174	330	256	374	339	330	225	1	R175	3	C3	10	25 5.79	21.48
4	140216-2	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	G6	32	47 7.49	26.84
4	140216-2	Male	305	248	172	207	360	256	374	327	330	225	2	R082	3	G6	32	47 7.49	26.84
4	140216-3	Female	305	269	172	165	342	256	374	327	314	225	1	R100	1	D7	56	68 13.19	5.36
4	140216-3	Male	345	248	172	207	324	256	374	327	330	225	2	R021	1	D7	56	68 13.19	5.36
4	140216-4	Female	345	248	172	207	324	253	374	327	338	225	2	R001	3	F4	72	12 5.45	25.52
4	140216-4	Male	345	248	172	177	324	253	374	327	338	225	1	R170	3	F4	72	12 5.45	25.52
4	140216-5	Female	345	266	172	207	330	256	362	327	330	225	1	R044	1	D5	90	43 11.08	5.70
4	140216-5	Male	305	248	172	162	324	256	374	327	306	225	2	R171	1	D5	90	43 11.08	5.70
4	140216-6	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	D9	9	24 11.10	24.30
4	140216-7	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	D5	10	84 11.43	4.90
4	140216-7	Male	345	248	172	177	324	256	374	327	330	225	1	R103	1	D5	10	84 11.43	4.90
4	140216-8	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	B6	60	63 12.19	3.40
4	140216-8	Male	345	248	172	177	324	256	374	327	330	225	1	R103	1	B6	60	63 12.19	3.40
4	140216-9	Female	345	248	172	207	330	256	374	339	306	225	2	R051	3	E7	43	70 9.25	25.21
4	140216-9	Male	345	248	175	174	330	256	374	327	330	225	1	R172	3	E7	43	70 9.25	25.21
4	140222-1	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	B5	32	58 11.19	3.13
4	140222-1	Male	345	248	172	177	324	256	374	327	330	225	1	R103	1	B5	32	58 11.19	3.13
4	140222-2	Female	305	248	172	207	330	256	374	327	330	225	2	R068	3	F4	70	98 6.27	25.73
4	140222-2	Male	345	248	172	177	324	253	374	327	338	225	1	R170	3	F4	70	98 6.27	25.73
4	140222-3	Female	305	248	172	156	330	256	374	327	330	225	1	R067	3	F9	50	58 10.65	26.90
4	140222-3	Male	305	248	172	207	360	256	374	327	330	225	2	R082	3	F9	50	58 10.65	26.90
4	140222-4	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	D5	88	83 11.43	5.66
4	140222-4	Male	305	248	172	207	324	256	374	327	334	225	1	R176	1	D5	88	83 11.43	5.66
4	140222-5	Female	305	251	172	156	330	256	374	339	330	225	2	R061	2	D5	29	13 10.54	15.73
4	140222-5	Male	305	266	172	207	324	256	374	327	330	225	1	R177	2	D5	29	13 10.54	15.73
4	140222-6	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	D11	93	35 12.86	25.78
4	140222-6	Male	345	248	172	207	330	256	374	327	326	225	2	R178	3	D11	93	35 12.86	25.78
4	140310-1	Female	305	251	172	156	330	256	374	339	330	225	2	R061	2	E5	75	75 11.16	17.11
4	140310-1	Male	345	266	172	207	360	256	374	327	330	225	1	R179	2	E5	75	75 11.16	17.11
4	140310-2	Female	305	269	172	165	342	256	374	327	314	225	1	R100	1	D7	8	54 13.08	4.90
4	140310-2	Male	345	248	172	165	324	256	374	335	330	225	2	R180	1	D7	8	54 13.08	4.90
4	140315-1	Female	305	248	172	207	360	256	374	327	330	225	1	R002	1	F7	40	54 13.08	7.16
4	140315-1	Male	305	248	172	174	360	256	374	327	330	222	2	R181	1	F7	40	54 13.08	7.16
4	140315-2	Female	305	251	172	156	330	256	374	339	330	225	2	R061	2	D6	44	1 11.43	15.88

4	140315-2	Male	305	248	172	207	360	256	374	327	330	222	1	R182	2	D6	44	1 11.43	15.88
4	140315-3	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	C11	100	100 13.78	25.02
4	140315-3	Male	305	248	172	207	360	256	374	327	330	225	2	R082	3	C11	100	100 13.78	25.02
5	141206	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	G8	22	43 9.33	27.29
5	141206	Male	305	248	172	177	360	256	374	327	330	225	2	R090	3	G8	22	43 9.33	27.29
5	141213	Female	305	248	172	165	360	256	374	327	330	225	1	R010	3	E8	74	54 9.92	25.78
5	141213	Male	345	248	172	165	360	256	374	327	330	225	2	R183	3	E8	74	54 9.92	25.78
5	141224-1	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	E5	2	39 11.04	5.82
5	141224-1	Male	305	248	172	177	324	259	374	327	330	225	1	R184	1	E5	2	39 11.04	5.82
5	141224-2	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	D3	16	70 9.39	4.97
5	141224-2	Male	305	269	172	174	324	256	374	327	330	225	1	R104	1	D3	16	70 9.39	4.97
5	141224-3	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	E11	62	75 12.99	26.62
5	141224-3	Male	305	248	172	177	360	256	374	327	330	225	2	R090	3	E11	62	75 12.99	26.62
5	141224-4	Female	345	248	172	165	342	256	374	327	330	225	2	R069	3	F4	19	22 5.73	25.00
5	141224-4	Male	305	248	172	165	342	256	374	327	330	225	1	R185	3	F4	19	22 5.73	25.00
5	141226-1	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	C2	10	93 8.66	3.90
5	141226-1	Male	345	248	172	207	330	256	374	327	330	225	1	R085	1	C2	10	93 8.66	3.90
5	141226-2	Female	345	248	172	207	330	256	374	339	330	225	2	R007	3	B4	72	9 6.71	21.36
5	141226-2	Male	345	248	172	174	330	256	374	339	330	225	1	R175	3	B4	72	9 6.71	21.36
5	141226-3	Female	345	248	172	165	342	256	374	327	330	225	2	R069	3	E2	62	74 4.49	23.97
5	141226-3	Male	305	248	172	207	324	256	386	327	330	225	1	R186	3	E2	62	74 4.49	23.97
5	141226-4	Female	345	248	172	207	324	256	386	339	330	225	2	R017	3	D2	18	63 4.85	22.43
5	141226-4	Male	345	248	172	207	324	256	374	339	330	225	1	R187	3	D2	18	63 4.85	22.43
5	150110-1	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	D4	73	38 10.04	5.55
5	150110-1	Male	305	248	172	153	324	256	374	327	330	225	1	R188	1	D4	73	38 10.04	5.55
5	150110-11	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	D8	9	90 10.81	24.21
5	150110-11	Male	305	248	175	207	360	256	374	327	330	225	2	R191	3	D8	9	90 10.81	24.21
5	150110-2	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	D4	10	16 9.85	4.90
5	150110-2	Male	345	248	172	177	324	256	374	327	330	225	1	R103	1	D4	10	16 9.85	4.90
5	150110-3	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	D4	12	16 9.85	4.93
5	150110-3	Male	305	248	172	177	324	259	374	327	330	225	1	R184	1	D4	12	16 9.85	4.93
5	150110-4	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	D6	15	16 11.73	4.97
5	150110-4	Male	345	248	172	177	330	256	374	327	330	225	1	R210	1	D6	15	16 11.73	4.97
5	150110-5	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	B5	25	3 10.70	3.05
5	150110-5	Male	345	248	172	177	324	256	374	327	330	225	1	R103	1	B5	25	3 10.70	3.05
5	150110-6	Female	345	248	172	207	324	253	374	327	338	225	2	R001	3	F3	32	99 5.47	25.08
5	150110-6	Male	345	248	172	177	324	256	374	327	330	225	1	R103	3	F3	32	99 5.47	25.08
5	150110-7	Female	345	248	172	207	324	253	374	327	338	225	2	R001	3	F4	13	88 6.38	25.12
5	150110-7	Male	345	248	175	177	324	256	374	339	330	225	1	R189	3	F4	13	88 6.38	25.12
5	150110-8	Female	305	248	172	207	360	256	374	327	330	225	1	R002	1	D9	95	36 14.80	5.74
5	150110-8	Male	305	248	175	177	330	256	374	327	330	225	2	R190	1	D9	95	36 14.80	5.74
5	150110-9	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	F8	8	30 9.58	26.08
5	150110-9	Male	305	248	175	177	360	256	374	327	330	225	2	R089	3	F8	8	30 9.58	26.08
5	150118-1	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	B3	56	60 9.31	3.36
5	150118-1	Male	345	248	175	207	330	256	374	327	330	228	1	R192	1	B3	56	60 9.31	3.36
5	150118-2	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	D5	28	63 11.23	5.09
5	150118-2	Male	345	248	172	207	324	256	374	327	330	228	1	R193	1	D5	28	63 11.23	5.09
5	150121-1	Female	305	248	172	165	360	256	374	327	330	225	1	R010	3	F10	13	69 11.84	26.83
5	150121-1	Male	345	248	172	207	330	256	374	327	330	225	2	R063	3	F10	13	69 11.84	26.83
5	150121-2	Female	345	269	172	165	330	256	374	339	330	228	2	R004	3	B2	5	90 5.80	20.28
5	150121-2	Male	345	269	172	162	330	256	374	339	330	228	1	R194	3	B2	5	90 5.80	20.28
5	150121-3	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	A3	93	79 9.51	2.75
5	150121-3	Male	325	248	172	207	330	256	374	327	330	225	1	R195	1	A3	93	79 9.51	2.75
5	150121-4	Female	345	269	172	165	330	256	374	339	330	228	2	R004	3	Z2	77	13 5.48	18.73
5	150121-4	Male	305	248	175	207	360	256	374	327	330	225	1	R196	3	Z2	77	13 5.48	18.73
5	150121-6	Female	345	266	172	207	330	256	362	327	330	225	1	R044	1	G3	43	65 9.35	8.16
5	150121-6	Male	305	248	172	165	342	256	374	339	330	228	2	R197	1	G3	43	65 9.35	8.16
5	150121-7	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	B5	45	70 11.31	3.28
5	150121-7	Male	345	248	172	207	324	256	374	327	330	228	1	R193	1	B5	45	70 11.31	3.28
5	150121-9	Female	305	248	172	165	360	256	374	327	330	225	1	R010	3	D10	53	102 12.66	25.23
5	150121-9	Male	305	248	175	207	360	256	374	327	330	225	2	R191	3	D10	53	102 12.66	25.23

5	150208-1	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	A3	83	78 9.47	2.63
5	150208-1	Male	345	248	172	221	330	256	374	327	330	225	1	R198	1	A3	83	78 9.47	2.63
5	150208-2	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	E6	72	85 8.35	25.26
5	150208-2	Male	305	266	172	207	360	256	374	339	330	225	2	R199	3	E6	72	85 8.35	25.26
5	150208-3	Female	305	248	172	207	360	256	374	327	330	225	1	R002	3	G7	34	14 8.07	27.06
5	150208-3	Male	345	248	172	207	330	256	374	327	330	225	2	R063	3	G7	34	14 8.07	27.06
5	150208-4	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	D4	11	14 9.81	4.93
5	150208-4	Male	345	248	172	207	324	256	374	327	330	225	1	R074	1	D4	11	14 9.81	4.93
5	150208-5	Female	305	248	172	207	360	253	374	327	330	225	1	R005	3	G7	61	31 8.14	27.36
5	150208-5	Male	305	248	172	177	360	256	374	327	330	225	2	R090	3	G7	61	31 8.14	27.36
5	150208-6	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	B5	52	51 11.12	3.32
5	150208-6	Male	345	248	175	207	324	256	374	327	330	225	1	R200	1	B5	52	51 11.12	3.32
5	150208-7	Female	305	248	172	165	360	256	374	327	330	225	1	R010	3	D8	45	53 10.33	24.46
5	150208-7	Male	305	248	172	165	330	253	374	327	330	225	2	R201	3	D8	45	53 10.33	24.46
5	150208-8	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	B4	24	25 9.93	3.05
5	150208-8	Male	345	248	172	207	330	256	374	327	330	225	1	R085	1	B4	24	25 9.93	3.05
5	150220-1	Female	305	248	172	165	360	256	374	327	330	225	1	R010	3	F7	60	24 8.42	26.32
5	150220-1	Male	305	248	172	165	360	256	374	327	330	225	2	R202	3	F7	60	24 8.42	26.32
5	150220-11	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	B5	47	70 11.31	3.28
5	150220-11	Male	345	248	172	177	324	256	374	327	330	225	1	R103	1	B5	47	70 11.31	3.28
5	150220-12	Female	305	248	172	165	360	256	374	327	330	225	1	R010	3	F6	76	90 8.04	26.37
5	150220-12	Male	345	248	172	207	360	256	374	327	330	225	2	R124	3	F6	76	90 8.04	26.37
5	150220-13	Female	296	248	172	207	330	256	374	327	330	225	2	R071	1	C5	52	36 11.00	4.32
5	150220-13	Male	345	269	172	177	324	256	374	327	330	225	1	R164	1	C5	52	36 11.00	4.32
5	150220-14	Female	305	269	172	207	324	256	374	339	330	225	1	R072	1	B4	65	90 10.54	3.48
5	150220-14	Male	345	248	172	207	324	256	374	327	330	225	2	R021	1	B4	65	90 10.54	3.48
5	150220-15	Female	305	248	172	207	360	253	374	327	330	225	1	R005	3	D8	64	85 10.56	24.74
5	150220-15	Male	345	248	172	207	360	256	374	327	330	225	2	R124	3	D8	64	85 10.56	24.74
5	150220-2	Female	345	248	172	165	342	256	374	327	330	225	2	R069	3	F3	83	20 4.54	25.35
5	150220-2	Male	345	248	172	162	342	256	374	327	330	225	1	R203	3	F3	83	20 4.54	25.35
5	150220-3	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	D6	6	37 11.92	4.86
5	150220-3	Male	345	248	172	207	324	256	374	327	330	225	1	R074	1	D6	6	37 11.92	4.86
5	150220-4	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	D6	4	35 11.92	4.86
5	150220-4	Male	345	269	172	177	330	256	374	320	330	225	1	R204	1	D6	4	35 11.92	4.86
5	150220-5	Female	305	248	172	165	360	256	374	327	330	225	1	R010	3	G6	50	86 7.77	27.13
5	150220-5	Male	345	248	172	207	330	256	374	327	330	225	2	R063	3	G6	50	86 7.77	27.13
5	150220-6	Female	345	248	172	207	324	253	374	327	338	225	2	R001	3	E4	59	86 6.52	24.56
5	150220-6	Male	305	248	175	207	360	256	374	327	330	225	1	R196	3	E4	59	86 6.52	24.56
5	150220-7	Female	345	248	172	207	324	256	374	327	330	225	2	R021	1	A3	3	67 9.39	1.86
5	150220-7	Male	305	248	172	207	330	256	374	327	330	225	1	R043	1	A3	3	67 9.39	1.86
5	150220-8	Female	345	248	172	165	330	256	374	327	306	225	2	R070	3	D6	70	82 8.65	24.18
5	150220-8	Male	345	248	172	165	360	256	374	327	330	225	1	R205	3	D6	70	82 8.65	24.18
5	150220-9	Female	305	248	172	165	360	256	374	327	330	225	1	R010	3	G7	24	60 8.54	27.09
5	150220-9	Male	305	248	172	165	360	256	374	327	330	225	2	R202	3	G7	24	60 8.54	27.09
5	2014-A11-A3	ECM	345	248	172	207	324	256	374	327	330	225	2	R021	1	A3	50	50 9.20	2.32
5	2014-A11-B6	ECM	345	266	172	207	324	262	386	316	306	225	2	R073	1	B6	50	50 12.08	3.32
5	2014-A11-C3	ECM	305	248	172	207	330	256	350	339	330	225	2	R058	1	C3	50	50 9.20	4.32
5	2014-A11-D6	ECM	345	248	172	207	324	256	374	327	330	225	2	R021	1	D6	50	50 12.08	5.32
5	2014-A11-E3	ECM	345	266	172	207	330	256	362	327	330	225	1	R044	1	E3	50	50 9.20	6.28
5	2014-A11-E4	ECM	345	248	172	207	324	256	374	327	334	225	1	R055	1	E4	50	50 10.16	6.28
5	2014-A12-D8	ECM	345	266	172	207	330	256	362	327	330	228	2	R075	1	D8	50	50 14.00	5.32
5	2014-B11-C3	ECM	305	269	172	165	342	256	374	327	314	225	1	R100	1	C3	50	50 9.20	4.32
5	2014-B11-F5	ECM	345	266	172	207	330	256	362	327	330	225	1	R044	1	F5	50	50 11.12	7.24
5	2014-D11-C5	ECM	309	248	172	207	342	253	374	327	330	225	2	R049	2	C5	50	50 10.93	14.96
5	2014-D11-D5	ECM	305	251	172	156	330	256	374	339	330	225	2	R061	2	D5	50	50 10.93	15.92
5	2014-D11-F5	ECM	305	248	172	210	324	256	374	339	322	225	1	R076	2	F5	50	50 10.93	17.88
5	2014-E10-A2	ECM	345	269	172	165	330	256	374	339	330	228	2	R004	3	A2	50	50 5.61	19.61
5	2014-F10-B4	ECM	345	248	172	207	324	256	374	327	330	225	2	R021	3	B4	50	50 7.19	21.23
5	2014-F10-C3	ECM	345	248	172	207	330	256	374	327	330	225	2	R063	3	C3	50	50 5.91	22.00
5	2014-F10-D4	ECM	345	248	172	207	324	256	386	339	330	225	2	R017	3	D4	50	50 6.54	23.32
5	2014-F10-E3	ECM	345	248	172	165	342	256	374	327	330	225	2	R069	3	E3	50	50 5.27	24.05

5	2014-F11-B10	ECM	300	248	169	207	324	253	374	339	326	225	1	R077	3	B10	50	50 12.84	23.00
5	2014-F11-B6	ECM	345	248	172	165	342	253	374	339	330	225	2	R003	3	B6	50	50 9.06	21.82
5	2014-F11-B8	ECM	345	248	172	165	342	256	374	339	330	225	2	R206	3	B8	50	50 10.93	22.40
5	2014-F11-C11	ECM	305	248	172	207	360	256	374	327	330	225	1	R002	3	C11	50	50 13.46	24.36
5	2014-F11-C5	ECM	345	248	172	207	330	256	374	339	330	225	2	R007	3	C5	50	50 7.81	22.59
5	2014-F11-C7	ECM	345	248	172	165	342	256	374	339	330	225	2	R206	3	C7	50	50 9.65	23.17
5	2014-F11-C9	ECM	305	248	172	207	360	256	374	327	330	225	1	R002	3	C9	50	50 11.55	23.76
5	2014-F11-D10	ECM	305	248	172	207	360	256	374	327	330	225	1	R002	3	D10	50	50 12.19	25.09
5	2014-F11-D6	ECM	345	248	172	207	330	256	374	339	306	225	2	R051	3	D6	50	50 8.41	23.91
5	2014-F11-D8	ECM	305	248	172	207	360	256	374	327	330	225	1	R002	3	D8	50	50 10.28	24.49
5	2014-F11-E11	ECM	305	248	172	207	360	256	374	327	330	225	1	R002	3	E11	50	50 12.82	26.41
5	2014-F11-E7	ECM	305	248	172	207	360	256	374	327	330	225	1	R002	3	E7	50	50 9.01	25.22
5	2014-F11-E9	ECM	305	248	172	156	330	256	374	327	330	225	1	R067	3	E9	50	50 10.91	25.81
5	2014-F11-F10	ECM	305	248	172	207	360	256	374	327	330	225	1	R002	3	F10	50	50 11.53	27.17
5	2014-F11-F6	ECM	305	248	172	207	360	256	374	327	330	225	1	R002	3	F6	50	50 7.76	26.00
5	2014-F11-F8	ECM	305	248	172	207	342	256	374	327	330	225	1	R015	3	F8	50	50 9.63	26.58
5	2014-F11-G5	ECM	345	248	172	207	324	253	374	327	338	225	2	R001	3	G5	50	50 6.52	26.74
5	2014-F11-G7	ECM	305	248	172	207	360	256	374	327	330	225	1	R002	3	G7	50	50 8.35	27.31
5	2014-F11-G9	ECM	305	248	172	207	360	256	374	327	330	225	1	R002	3	G9	50	50 10.26	27.90

Table S2: Genotypes description, probability of genotypes occurrence resulting from distinct sexual events (P_{Sex}) for all samples harvested in the orchard.

Genotype	n	P _{Sex}	Significance	Level
R001	14	0	0	***
R002	60	0	0	***
R003	21	2,15E-09	0	***
R004	15	0	0	***
R005	38	0	0	***
R006	1	-	-	-
R007	13	1,99E-01	0.00022986	***
R008	3	0.00278014	0.0359655	*
R009	3	6,48E-01	0.000521017	***
R010	12	4,21E-01	0.000398425	***
R011	1	-	-	-
R012	1	-	-	-
R013	1	-	-	-
R014	2	0.184287	0.454204	ns
R015	2	0.811735	0.947132	ns
R016	1	-	-	-
R017	3	7,70E-01	0.000551665	***
R018	2	1,80E-03	0	***
R019	1	-	-	-
R020	1	-	-	-
R021	48	0	0	***
R022	3	6,25E-05	0	***
R023	1	-	-	-
R024	1	-	-	-
R025	4	0	0	***
R026	1	-	-	-
R027	1	-	-	-
R028	1	-	-	-
R029	1	-	-	-
R030	3	0.000927255	0.0183429	*
R031	1	-	-	-
R032	1	-	-	-
R033	1	-	-	-
R034	1	-	-	-
R035	1	-	-	-
R036	1	-	-	-
R037	1	-	-	-
R038	1	-	-	-
R039	1	-	-	-
R040	1	-	-	-
R041	1	-	-	-

R042	1	-	-	-
R043	2	0.98874	0.997242	ns
R044	15	0	0	***
R045	1	-	-	-
R046	1	-	-	-
R047	3	0.000109801	0.00401489	**
R048	1	-	-	-
R049	8	0	0	***
R050	1	-	-	-
R051	5	4,91E-03	1,53E-01	***
R052	1	-	-	-
R053	1	-	-	-
R054	1	-	-	-
R055	2	0.01238	0.0923119	ns
R056	1	-	-	-
R057	1	-	-	-
R058	3	1,32E+00	0.000919442	***
R059	1	-	-	-
R060	1	-	-	-
R061	7	0	0	***
R062	1	-	-	-
R063	7	0.57498	0.791455	ns
R064	1	-	-	-
R065	1	-	-	-
R066	2	0.853594	0.958104	ns
R067	3	0.0125686	0.0935685	ns
R068	2	0.98731	0.996828	ns
R069	5	0.00375721	0.043888	*
R070	1	-	-	-
R071	1	-	-	-
R072	1	-	-	-
R073	1	-	-	-
R074	3	0.965069	0.990714	ns
R075	1	-	-	-
R076	1	-	-	-
R077	1	-	-	-
R078	2	0.411163	0.672725	ns
R079	1	-	-	-
R080	2	0.000835502	0.0169943	*
R081	1	-	-	-
R082	10	0.214374	0.486369	ns
R083	1	-	-	-
R084	2	0.28696	0.554086	ns
R085	3	0.977273	0.993855	ns
R086	1	-	-	-
R087	1	-	-	-

R088	1	-	-	-
R089	2	0.000849281	0.0171016	*
R090	8	4,62E+00	0.00214536	**
R091	1	-	-	-
R092	1	-	-	-
R093	1	-	-	-
R094	1	-	-	-
R095	1	-	-	-
R096	1	-	-	-
R097	1	-	-	-
R098	1	-	-	-
R099	1	-	-	-
R100	7	2,24E-09	0	***
R101	1	-	-	-
R102	2	0.0123506	0.0918675	ns
R103	18	3,55E-10	0	***
R104	2	0.000303596	0.00812173	**
R105	1	-	-	-
R106	2	0.0107915	0.0846959	ns
R107	1	-	-	-
R108	1	-	-	-
R109	1	-	-	-
R110	1	-	-	-
R111	1	-	-	-
R112	1	-	-	-
R113	1	-	-	-
R114	1	-	-	-
R115	1	-	-	-
R116	1	-	-	-
R117	1	-	-	-
R118	2	1,42E-02	0.00095009	***
R119	1	-	-	-
R120	1	-	-	-
R121	1	-	-	-
R122	1	-	-	-
R123	1	-	-	-
R124	6	0.844697	0.954518	ns
R125	1	-	-	-
R126	1	-	-	-
R127	1	-	-	-
R128	1	-	-	-
R129	1	-	-	-
R130	1	-	-	-
R131	1	-	-	-
R132	1	-	-	-
R133	1	-	-	-

R134	1	-	-	-
R135	1	-	-	-
R136	2	0.00388914	0.0447462	*
R137	1	-	-	-
R138	1	-	-	-
R139	1	-	-	-
R140	1	-	-	-
R141	1	-	-	-
R142	1	-	-	-
R143	1	-	-	-
R144	2	0.00242458	0.032441	*
R145	2	1,34E-01	0.000183888	***
R146	1	-	-	-
R147	1	-	-	-
R148	1	-	-	-
R149	1	-	-	-
R150	2	9,98E+00	0.00373906	**
R151	1	-	-	-
R152	1	-	-	-
R153	1	-	-	-
R154	1	-	-	-
R155	1	-	-	-
R156	1	-	-	-
R157	1	-	-	-
R158	1	-	-	-
R159	1	-	-	-
R160	1	-	-	-
R161	1	-	-	-
R162	1	-	-	-
R163	1	-	-	-
R164	2	0.00606339	0.0602694	ns
R165	2	0.0676301	0.243269	ns
R166	1	-	-	-
R167	1	-	-	-
R168	1	-	-	-
R169	1	-	-	-
R170	2	6,40E+00	0.00263573	**
R171	1	-	-	-
R172	1	-	-	-
R173	1	-	-	-
R174	1	-	-	-
R175	2	0.00506935	0.0531284	ns
R176	1	-	-	-
R177	1	-	-	-
R178	1	-	-	-
R179	1	-	-	-

R180	1	-	-	-
R181	1	-	-	-
R182	1	-	-	-
R183	1	-	-	-
R184	2	3,91E+00	0.00190018	**
R185	1	-	-	-
R186	1	-	-	-
R187	1	-	-	-
R188	1	-	-	-
R189	1	-	-	-
R190	1	-	-	-
R191	2	0.0263676	0.148735	ns
R192	1	-	-	-
R193	2	0.0541959	0.219486	ns
R194	1	-	-	-
R195	1	-	-	-
R196	2	0.0274218	0.154052	ns
R197	1	-	-	-
R198	1	-	-	-
R199	1	-	-	-
R200	1	-	-	-
R201	1	-	-	-
R202	2	0.647694	0.85479	ns
R203	1	-	-	-
R204	1	-	-	-
R205	1	-	-	-
R206	3	0.00546325	0.0560553	ns
R207	1	-	-	-
R208	1	-	-	-
R209	1	-	-	-
R210	2	0.346953	0.618953	ns