

Figure S1

A

chr	pos1	pos2	kb	nSNP	density
Family 1810					
1	156131095	158736215	2605.12	120	21.71
2	230663576	233243793	2580.22	41	62.93
3	153839960	158538056	4698.10	53	88.64
11	43776481	48346932	4570.45	96	47.61
11	56510672	59224720	2714.05	55	49.35
13	31495733	33704065	2208.33	46	48.01
16	55866894	58566304	2699.41	95	28.41
21	37425955	41450573	4024.62	70	57.49

chr	pos1	pos2	kb	nSNP	density
Family 72597					
2	1.86E+08	1.88E+08	1278.95	201	6.36
2	2.36E+08	2.41E+08	4937.64	1394	3.54
4	24451810	31785258	7333.45	1647	4.45
4	58036217	79877936	21841.72	4830	4.52
4	1.2E+08	1.27E+08	6749.94	1423	4.74
7	96434961	1.15E+08	18318.38	1330	13.77
11	45006741	51563636	6556.90	788	8.32
11	54828062	74913756	20085.69	3341	6.01
22	18541497	26759278	8217.78	1577	5.21

chr	pos1	pos2	kb	nSNP	density
Family 1327					
1	155629483	156130654	501.17	518	0.97
11	55110770	58345418	3234.65	2079	1.56
11	59426278	60617812	1191.53	626	1.90
14	21559714	22102315	542.60	632	0.86
19	11708361	12502315	793.95	585	1.36
22	31673111	32340837	667.73	631	1.06
22	41925207	42524310	599.10	577	1.04
X	69504091	70586311	1082.22	577	1.88

chr	pos1	pos2	kb	nSNP	density
Family 1337					
1	9416346	15723843	6307.50	1111	5.68
1	1.96E+08	2.05E+08	8842.50	1454	6.08
2	2.12E+08	2.24E+08	11547.29	1349	8.56
3	1.19E+08	1.22E+08	3717.27	571	6.51
4	85704	4322981	4237.28	1009	4.20
7	538191	2998173	2459.98	667	3.69
11	1246941	7335198	6088.26	1744	3.49
11	45671280	61300476	15629.20	1964	7.96
12	11992168	55421250	43429.08	4227	10.27
16	64981764	78466521	13484758	2267	5948.28
22	17956759	32815398	14858640	2922	5085.09

B

Family-1810-6-1					Family-1327-2					Family-1337-2					Family-57718						
Genotype	Chrom	Pos	dbSNP	Ref/Alt	Genotype	Chrom	Pos	dbSNP	Ref/Alt	Genotype	Chrom	Pos	dbSNP	Ref	Alt	Genotype	Chrom	Pos	dbSNP	Ref	Alt
Het	11	57004386		G/A		11	57004386		G/NC		11	57004386		G	NC	Hom	11	57004386		G	G
	11	57077351		G/C	Het	11	57077351		G/C		11	57077351		G	C	Hom	11	57077351		G	C
Hom	11	57081197	4939134	G/C	Hom	11	57081197	4939134	G/C	Hom	11	57081197	4939134	G	C	Hom?	11	57081197	4939134	G	C
Hom	11	57117385	2276042	C/T	Hom	11	57117385	2276042	C/T	Hom	11	57117385	2276042	C	T	Hom	11	57117385	2276042	C	C
	11	57135663	78580111	A/NC	Hom	11	57135663	78580111	A/AG	Hom	11	57135663	78580111	A	AG	Hom	11	57135663	78580111	A	NC
Hom	11	57137371	2276039	G/A	Hom	11	57137371	2276039	G/A	Hom	11	57137371	2276039	G	A	Hom	11	57137371	2276039	G	G
Hom	11	57137424	2276038	C/T	Hom	11	57137424	2276038	C/T	Hom	11	57137424	2276038	C	T	Hom	11	57137424	2276038	C	C
	11	57137538	74770235	A/NC	Hom	11	57137538	74770235	A/AG	Hom	11	57137538	74770235	A	AG	Hom	11	57137538	74770235	A	NC
Hom	11	57147016	540687	A/G	Hom	11	57147016	540687	A/G	Hom	11	57147016	540687	A	G	Hom	11	57147016	540687	A	G
	11	57148053	571651	G/T	Hom	11	57148053	571651	G/T	Hom	11	57148053	571651	G	T	Hom	11	57148053	571651	G	T
Hom	11	57148175	669661	A/G	Hom	11	57148175	669661	A/G	Hom	11	57148175	669661	A	G	Hom	11	57148175	669661	A	G
Hom	11	57155001	536455	G/A	Hom	11	57155001	536455	G/A	Hom	11	57155001	536455	G	A	Hom	11	57155001	536455	G	A
Hom	11	57155288	630396	T/C	Hom	11	57155288	630396	T/NC	Hom	11	57155288	630396	T	C	Hom	11	57155288	630396	T	C
Het	11	57156438	3741089	A/G	Hom	11	57156438	3741089	A/G	Hom	11	57156438	3741089	A	G	Hom	11	57156438	3741089	A	G
Hom	11	57157405	490358	A/G	Hom	11	57157405	490358	A/G	Hom	11	57157405	490358	A	G	Hom	11	57157405	490358	A	A
	11	57184218	4938865	C/NC	Hom	11	57184218	4938865	C/T	Hom	11	57184218	4938865	C	T	Hom	11	57184218	4938865	C	NC
Hom	11	57243588	2258835	A/G	Hom	11	57243588	2258835	A/G	Hom	11	57243588	2258835	A	NC	Hom	11	57243588	2258835	A	G
	11	57268170	2250673	T/NC	Hom	11	57268170	2250673	T/C	Hom	11	57268170	2250673	T	C	Hom	11	57268170	2250673	T	C
Hom	11	57310307	80123614	A/G	Hom	11	57310307	80123614	A/G	Hom	11	57310307	80123614	A	G	Hom	11	57310307	80123614	A	A
	11	57317640	8890	C/NC	Hom	11	57317640	8890	C/T	Hom	11	57317640	8890	C	T	Hom	11	57317640	8890	C	C
	11	57320044	2234412	T/C	Hom	11	57320044	2234412	T/C	Hom	11	57320044	2234412	T	C	Hom	11	57320044	2234412	T	C
Hom	11	57427367		G/A	Hom	11	57427367		G/A	Hom	11	57427367		G	A	Hom	11	57427367		G	A
	11	57461472		TG/NC	Het	11	57461472		TG/T	Hom	11	57461472		TG	NC	Hom	11	57461472		TG	T
	11	57472141		G/NC	Het	11	57472141		G/GTTTTTTT	Hom	11	57472141		G	NC	Hom	11	57472141		G	G
	11	57472167		G/NC	Het	11	57472167		G/T	Hom	11	57472167		G	NC	Hom	11	57472167		G	G
	11	57472168		C/NC	Het	11	57472168		C/T	Hom	11	57472168		C	NC	Hom	11	57472168		C	C
Hom	11	57509429	635663	A/G	Hom	11	57509429	635663	A/G	Hom	11	57509429	635663	A	G	Hom	11	57509429	635663	A	G
Hom	11	57563991	10896644	C/T	Hom	11	57563991	10896644	C/T	Hom	11	57563991	10896644	C	T	Hom	11	57563991	10896644	C	T
Hom	11	57571232	11229137	C/T	Hom	11	57571232	11229137	C/T	Hom	11	57571232	11229137	C	T	Hom	11	57571232	11229137	C	T
Hom	11	57799108	34846253	AC/NC	Hom	11	57799108	34846253	AC/A	Hom	11	57799108	34846253	AC	NC	Hom	11	57799108	34846253	AC	A
Hom	11	57799371	1374570	G/C	Hom	11	57799371	1374570	G/C	Hom	11	57799371	1374570	G	C	Hom	11	57799371	1374570	G	C
Hom	11	57947264	11229273	C/G	Hom	11	57947264	11229273	C/G	Hom	11	57947264	11229273	C	G	Hom	11	57947264	11229273	C	G
Hom	11	57958775	7120468	C/T	Hom	11	57958775	7120468	C/T	Hom	11	57958775	7120468	C	T	Hom	11	57958775	7120468	C	T
	11	57971171		NC/Het	Hom	11	57971171		C/T	Hom	11	57971171		C	NC	Hom	11	57971171		C	C
Hom	11	57971195	11229279	G/A	Hom	11	57971195	11229279	G/A	Hom	11	57971195	11229279	G	NC	Hom	11	57971195	11229279	G	A
Hom	11	57971201	11229280	G/A	Hom	11	57971201	11229280	G/A	Hom	11	57971201	11229280	G	NC	Hom	11	57971201	11229280	G	A
Hom	11	57982229	1966836	A/G	Hom	11	57982229	1966836	A/G	Hom	11	57982229	1966836	A	G	Hom	11	57982229	1966836	A	G
Hom	11	57982584	1966835	T/C	Hom	11	57982584	1966835	T/C	Hom	11	57982584	1966835	T	NC	Hom	11	57982584	1966835	T	C
Hom	11	57982620	1966834	A/G	Hom	11	57982620	1966834	A/G	Hom	11	57982620	1966834	A	G	Hom	11	57982620	1966834	A	G
Het	11	57982726	1993089	G/T	Hom	11	57982726	1993089	G/T	Hom	11	57982726	1993089	G	NC	Hom	11	57982726	1993089	G	T

C

