

Supplementary Table S2. Summary of SNPs ($P < 0.05$) associated with sperm motility at the region 400 kb upstream and downstream of the most significant SNP rs3791686 in the discovery cohort

SNP	Position (hg19)	Effect/Reference allele	Genotype	Effect allele	Beta	SE	<i>P</i>	Status	Location
rs59712773	211977227	T/A	105/375/331	0.36	-1.74	0.73	0.018	Imputed	Intergenic
rs10497940	211977328	A/G	108/372/331	0.36	-1.64	0.73	0.025	Imputed	Intergenic
rs72935627	211980261	G/A	101/371/339	0.35	-1.56	0.74	0.035	Imputed	Intergenic
rs4672605	211982760	G/A	107/378/326	0.36	-1.51	0.73	0.039	Imputed	Intergenic
rs56002634	211984949	T/G	105/375/331	0.36	-1.68	0.73	0.022	Imputed	Intergenic
rs1437373	211985141	T/G	101/371/339	0.35	-1.56	0.74	0.035	Imputed	Intergenic
rs12478390	211989022	T/G	94/370/347	0.34	1.51	0.75	0.043	Imputed	Intergenic
rs12105986	211989749	A/G	102/370/339	0.35	-1.55	0.74	0.036	Imputed	Intergenic
rs13407489	211989906	C/A	94/370/347	0.34	1.51	0.75	0.043	Imputed	Intergenic
rs1370620	211990034	T/A	102/370/339	0.35	-1.55	0.74	0.036	Imputed	Intergenic
rs1370619	211990188	T/C	102/370/339	0.35	-1.55	0.74	0.036	Genotyped	Intergenic
rs67776983	211990579	C/T	105/373/333	0.36	-1.66	0.73	0.024	Imputed	Intergenic
rs16824982	211990625	C/A	106/372/333	0.36	-1.63	0.73	0.026	Imputed	Intergenic
rs6723493	211991229	G/A	102/372/337	0.36	-1.47	0.74	0.046	Imputed	Intergenic
rs7574280	211991553	T/A	196/406/209	0.49	-1.75	0.70	0.013	Imputed	Intergenic
rs7564709	211991737	C/T	102/372/337	0.36	-1.47	0.74	0.046	Imputed	Intergenic
rs114988997	211994088	G/T	99/372/340	0.35	-1.49	0.74	0.044	Imputed	Intergenic
rs1469929	211994230	C/A	198/403/210	0.49	-1.65	0.70	0.019	Imputed	Intergenic
rs72935675	211994954	G/T	98/373/340	0.35	-1.48	0.74	0.046	Imputed	Intergenic
rs13402780	211998645	G/A	93/372/346	0.34	1.52	0.75	0.043	Imputed	Intergenic
rs115150670	211999826	T/C	94/372/345	0.35	1.48	0.75	0.049	Imputed	Intergenic
rs116643413	212000073	A/C	187/410/214	0.48	-1.53	0.71	0.031	Imputed	Intergenic
rs527646809	212000152	G/A	187/410/214	0.48	-1.53	0.71	0.031	Imputed	Intergenic
rs71422729	212000254	C/T	94/372/345	0.35	1.48	0.75	0.049	Imputed	Intergenic
rs71422730	212000278	G/A	94/372/345	0.35	1.48	0.75	0.049	Imputed	Intergenic
rs13012130	212000308	T/C	94/372/345	0.35	1.48	0.75	0.049	Imputed	Intergenic
rs10439342	212000578	C/T	94/372/345	0.35	1.48	0.75	0.049	Imputed	Intergenic
rs1116467	212000765	C/T	187/411/213	0.48	-1.51	0.71	0.035	Imputed	Intergenic
rs10439343	212000770	C/T	94/372/345	0.35	1.48	0.75	0.049	Imputed	Intergenic

rs13430611	212001209	A/T	187/411/213	0.48	-1.51	0.71	0.035	Imputed	Intergenic
rs13391698	212001344	G/A	187/411/213	0.48	-1.51	0.71	0.035	Imputed	Intergenic
rs6745824	212001696	A/G	94/372/345	0.35	1.48	0.75	0.049	Imputed	Intergenic
rs4673579	212001815	A/G	94/372/345	0.35	1.48	0.75	0.049	Imputed	Intergenic
rs4673580	212001890	C/A	94/372/345	0.35	1.48	0.75	0.049	Imputed	Intergenic
rs57066439	212002819	G/A	187/411/213	0.48	-1.51	0.71	0.035	Imputed	Intergenic
rs2164707	212003215	T/C	94/372/345	0.35	1.48	0.75	0.049	Imputed	Intergenic
rs2371127	212003312	T/C	94/372/345	0.35	1.48	0.75	0.049	Imputed	Intergenic
rs35597908	212003316	T/G	94/372/345	0.35	1.48	0.75	0.049	Imputed	Intergenic
rs67284966	212003434	G/A	187/411/213	0.48	-1.51	0.71	0.035	Imputed	Intergenic
rs12478781	212004719	T/C	94/372/345	0.35	1.48	0.75	0.049	Imputed	Intergenic
rs66685355	212004900	G/T	187/411/213	0.48	-1.51	0.71	0.035	Imputed	Intergenic
rs10166020	212005919	T/C	94/371/345	0.35	1.47	0.75	0.049	Genotyped	Intergenic
rs10170004	212007337	G/A	102/374/335	0.36	-1.51	0.74	0.041	Imputed	Intergenic
rs13413538	212007525	G/A	187/411/213	0.48	-1.51	0.71	0.035	Imputed	Intergenic
rs13404657	212008025	A/T	190/411/210	0.49	-1.66	0.71	0.020	Imputed	Intergenic
rs1816649	212008473	G/T	187/411/213	0.48	-1.51	0.71	0.035	Imputed	Intergenic
rs12614668	212009440	C/A	193/408/210	0.49	-1.63	0.71	0.021	Imputed	Intergenic
rs9677922	212010228	G/C	103/373/335	0.36	-1.53	0.74	0.038	Imputed	Intergenic
rs11901164	212010493	C/A	187/411/213	0.48	-1.51	0.71	0.035	Genotyped	Intergenic
rs13013863	212010707	C/T	94/372/345	0.35	1.48	0.75	0.049	Imputed	Intergenic
rs73073631	212011052	T/G	192/409/210	0.49	-1.66	0.71	0.019	Imputed	Intergenic
rs13001622	212012777	G/A	187/412/212	0.48	-1.49	0.71	0.037	Imputed	Intergenic
rs13008825	212013961	C/G	192/409/210	0.49	-1.65	0.71	0.020	Imputed	Intergenic
rs6745255	212014213	G/A	193/408/210	0.49	-1.63	0.71	0.021	Imputed	Intergenic
rs11683081	212022000	C/G	94/372/345	0.35	1.48	0.75	0.049	Imputed	Intergenic
rs76955729	212030452	A/T	95/371/345	0.35	1.48	0.75	0.048	Imputed	Intergenic
rs12694220	212031698	A/G	95/371/345	0.35	1.50	0.75	0.044	Imputed	Intergenic
rs7588890	212043724	G/T	95/372/344	0.35	1.60	0.75	0.032	Imputed	Intergenic
rs1344910	212045428	A/T	94/372/345	0.35	1.61	0.75	0.031	Imputed	Intergenic
rs4673595	212047246	A/G	185/411/215	0.48	-1.57	0.71	0.028	Imputed	Intergenic
rs17799854	212047759	T/C	94/373/344	0.35	1.55	0.75	0.038	Imputed	Intergenic
rs4673596	212048456	C/G	185/411/215	0.48	-1.57	0.71	0.028	Imputed	Intergenic

rs10191856	212049003	T/C	93/374/344	0.35	1.59	0.75	0.035	Imputed	Intergenic
rs13412251	212049388	T/G	93/375/343	0.35	1.63	0.75	0.030	Imputed	Intergenic
rs16845514	212054647	A/G	96/376/339	0.35	-1.47	0.75	0.049	Imputed	Intergenic
rs9917220	212058193	G/A	96/376/339	0.35	-1.47	0.75	0.049	Imputed	Intergenic
rs77224808	212060343	G/C	95/377/339	0.35	-1.48	0.75	0.048	Imputed	Intergenic
rs16845555	212067121	G/C	182/415/214	0.48	-1.58	0.72	0.027	Imputed	Intergenic
rs12466101	212067792	A/G	183/414/214	0.48	-1.56	0.71	0.030	Imputed	Intergenic
rs10188775	212069185	C/T	90/377/344	0.34	1.56	0.75	0.039	Imputed	Intergenic
rs13398354	212070199	G/C	92/374/345	0.34	1.64	0.75	0.030	Imputed	Intergenic
rs57962753	212072464	A/G	112/384/315	0.37	-1.49	0.73	0.043	Imputed	Intergenic
rs7596986	212076394	T/A	185/416/210	0.48	1.48	0.72	0.039	Imputed	Intergenic
rs12478428	212077276	G/A	112/384/315	0.37	-1.49	0.73	0.043	Genotyped	Intergenic
rs182019811	212087084	A/G	90/380/341	0.35	1.78	0.76	0.019	Imputed	Intergenic
rs79485956	212087114	G/A	90/378/343	0.34	1.80	0.75	0.017	Imputed	Intergenic
rs4556920	212089599	G/A	90/379/342	0.34	1.80	0.75	0.018	Imputed	Intergenic
rs79303625	212089620	A/G	112/384/315	0.37	-1.49	0.73	0.043	Imputed	Intergenic
rs6720902	212094151	T/G	184/418/209	0.48	1.51	0.72	0.036	Imputed	Intergenic
rs10200287	212097218	A/G	90/379/342	0.34	1.81	0.76	0.017	Imputed	Intergenic
rs12479008	212100299	G/C	185/416/210	0.48	1.51	0.72	0.035	Imputed	Intergenic
rs9808372	212101436	T/C	90/380/341	0.35	1.84	0.75	0.015	Imputed	Intergenic
rs4673602	212101698	C/T	112/384/315	0.37	-1.49	0.73	0.043	Imputed	Intergenic
rs6732540	212102610	C/T	90/382/339	0.35	1.85	0.76	0.014	Imputed	Intergenic
rs72943499	212104947	A/G	113/384/314	0.38	-1.51	0.73	0.039	Imputed	Intergenic
rs72943501	212104948	T/A	112/384/315	0.37	-1.49	0.73	0.043	Imputed	Intergenic
rs2371172	212105386	A/C	184/417/210	0.48	1.52	0.72	0.035	Imputed	Intergenic
rs35375830	212105696	T/C	185/416/210	0.48	1.51	0.72	0.035	Imputed	Intergenic
rs750576	212106926	A/G	185/416/210	0.48	1.51	0.72	0.035	Genotyped	Intergenic
rs1437917	212112490	G/A	100/389/322	0.36	1.55	0.75	0.038	Imputed	Intergenic
rs13413197	212115918	G/T	109/385/317	0.37	-1.53	0.74	0.038	Imputed	Intergenic
rs13428730	212116987	G/A	98/389/324	0.36	1.50	0.75	0.046	Imputed	Intergenic
rs77491228	212120287	G/C	97/392/322	0.36	1.60	0.75	0.034	Imputed	Intergenic
rs17742513	212122128	C/T	96/390/325	0.36	1.59	0.75	0.035	Imputed	Intergenic
rs13420410	212126925	A/G	97/385/329	0.36	1.51	0.75	0.044	Imputed	Intergenic

rs12623753	212129606	A/G	96/386/329	0.36	1.53	0.75	0.042	Imputed	Intergenic
rs12623814	212130016	A/C	187/413/211	0.49	1.43	0.71	0.045	Imputed	Intergenic
rs137900157	212132713	C/G	96/386/329	0.36	1.53	0.75	0.042	Imputed	Intergenic
rs75339535	212132803	G/C	96/386/329	0.36	1.53	0.75	0.042	Imputed	Intergenic
rs62178255	212133729	G/A	96/386/329	0.36	1.53	0.75	0.042	Imputed	Intergenic
rs10171472	212137611	A/G	96/385/330	0.36	1.55	0.75	0.039	Imputed	Intergenic
rs17691926	212137665	G/A	95/385/330	0.36	1.56	0.75	0.039	Genotyped	Intergenic
rs10183762	212137673	C/T	96/385/330	0.36	1.55	0.75	0.039	Imputed	Intergenic
rs10171524	212137884	T/C	96/385/330	0.36	1.55	0.75	0.039	Genotyped	Intergenic
rs10171596	212137917	T/C	96/385/330	0.36	1.55	0.75	0.039	Imputed	Intergenic
rs4619539	212138104	G/A	96/385/330	0.36	1.55	0.75	0.039	Imputed	Intergenic
rs9636331	212138662	G/A	96/385/330	0.36	1.55	0.75	0.039	Imputed	Intergenic
rs4441402	212138986	T/G	96/385/330	0.36	1.55	0.75	0.039	Imputed	Intergenic
rs4611590	212139644	C/A	96/385/330	0.36	1.55	0.75	0.039	Imputed	Intergenic
rs10174026	212143823	T/G	96/385/330	0.36	1.55	0.75	0.039	Imputed	Intergenic
rs6723532	212143831	A/G	96/385/330	0.36	1.55	0.75	0.039	Imputed	Intergenic
rs13393076	212144393	A/G	96/384/331	0.36	1.51	0.75	0.045	Imputed	Intergenic
rs4380169	212145768	C/T	96/383/332	0.35	1.48	0.75	0.048	Imputed	Intergenic
rs7599399	212147153	C/T	95/384/332	0.35	1.51	0.75	0.045	Imputed	Intergenic
rs6435616	212148271	A/G	95/383/333	0.35	1.49	0.75	0.048	Imputed	Intergenic
rs12694231	212163914	T/C	181/414/216	0.48	1.50	0.71	0.036	Imputed	Intergenic
rs13007747	212165522	T/C	181/414/216	0.48	1.50	0.71	0.036	Genotyped	Intergenic
rs1836729	212175149	T/C	94/382/335	0.35	1.51	0.75	0.045	Imputed	Intergenic
rs6742814	212175205	T/A	182/413/216	0.48	1.60	0.71	0.025	Imputed	Intergenic
rs7585359	212176967	G/A	183/412/216	0.48	1.59	0.71	0.026	Imputed	Intergenic
rs62180092	212180113	A/G	94/382/335	0.35	1.51	0.75	0.045	Imputed	Intergenic
rs78131132	212182612	C/T	114/382/315	0.38	-1.44	0.73	0.049	Imputed	Intergenic
rs71350744	212182702	T/C	114/382/315	0.38	-1.44	0.73	0.049	Imputed	Intergenic
rs1836726	212184018	T/C	114/382/315	0.38	-1.44	0.73	0.049	Genotyped	Intergenic
rs72945591	212184108	T/C	96/381/334	0.35	1.54	0.75	0.040	Imputed	Intergenic
rs1836725	212184148	G/C	114/382/315	0.38	-1.44	0.73	0.049	Imputed	Intergenic
rs12622547	212184834	C/T	126/388/297	0.39	1.42	0.72	0.049	Imputed	Intergenic
rs1865682	212186600	T/C	184/406/221	0.48	-1.61	0.71	0.023	Imputed	Intergenic

rs35668563	212189648	G/T	92/355/364	0.33	-1.47	0.75	0.049	Imputed	Intergenic
rs35634324	212189677	T/C	92/355/364	0.33	-1.47	0.75	0.049	Imputed	Intergenic
rs35421831	212189779	T/C	93/354/364	0.33	-1.46	0.74	0.049	Imputed	Intergenic
rs1836722	212190339	C/T	93/354/364	0.33	-1.46	0.74	0.049	Imputed	Intergenic
rs61028848	212190574	A/G	92/355/364	0.33	-1.47	0.75	0.049	Imputed	Intergenic
rs34289887	212190961	G/A	92/355/364	0.33	-1.47	0.75	0.049	Imputed	Intergenic
rs34535045	212190978	T/G	92/355/364	0.33	-1.47	0.75	0.049	Imputed	Intergenic
rs11694182	212195610	G/T	107/373/331	0.36	1.73	0.73	0.018	Imputed	Intergenic
rs10804193	212196284	G/A	63/326/422	0.28	-2.80	0.78	3.76E-04	Genotyped	Intergenic
rs13015581	212197700	G/A	61/319/431	0.27	-2.87	0.79	2.91E-04	Imputed	Intergenic
rs11884737	212197720	C/T	63/324/424	0.28	-2.89	0.78	2.45E-04	Imputed	Intergenic
rs1821662	212198935	G/A	190/399/222	0.48	2.77	0.69	7.35E-05	Imputed	Intergenic
rs10804194	212199636	T/C	144/391/276	0.42	2.05	0.71	3.86E-03	Imputed	Intergenic
rs1595068	212199994	C/T	194/394/222	0.48	2.69	0.69	1.10E-04	Genotyped	Intergenic
rs71350745	212201066	A/G	62/317/432	0.27	-2.90	0.79	2.42E-04	Imputed	Intergenic
rs55687168	212203087	T/G	144/391/276	0.42	2.05	0.71	3.86E-03	Imputed	Intergenic
rs16845916	212203146	A/T	144/391/276	0.42	2.05	0.71	3.86E-03	Imputed	Intergenic
rs4672611	212207337	G/A	63/317/431	0.27	-2.97	0.78	1.62E-04	Imputed	Intergenic
rs7603166	212208463	T/C	183/391/237	0.47	-2.60	0.69	1.82E-04	Imputed	Intergenic
rs8179762	212208854	A/C	63/318/430	0.27	-2.97	0.78	1.56E-04	Imputed	Intergenic
rs1579600	212209269	A/G	183/391/237	0.47	-2.60	0.69	1.82E-04	Imputed	Intergenic
rs13007126	212209381	G/A	63/320/428	0.27	-2.96	0.78	1.67E-04	Imputed	Intergenic
rs4673609	212212418	A/G	182/388/241	0.46	-2.51	0.69	2.89E-04	Imputed	Intergenic
rs6738982	212213408	A/G	195/389/227	0.48	1.75	0.69	0.011	Imputed	Intergenic
rs13018246	212215815	G/C	63/321/427	0.28	-2.94	0.78	1.88E-04	Imputed	Intergenic
rs12468497	212215944	T/C	144/388/279	0.42	1.55	0.71	0.029	Imputed	Intergenic
rs10932372	212217857	A/G	63/321/427	0.28	-2.95	0.78	1.80E-04	Imputed	Intergenic
rs62180104	212220597	C/G	180/393/238	0.46	-2.59	0.69	1.93E-04	Imputed	Intergenic
rs1595067	212221824	C/T	186/404/221	0.48	2.16	0.70	2.10E-03	Imputed	Intergenic
rs2033644	212221868	G/T	39/305/467	0.24	-3.83	0.84	6.47E-06	Imputed	Intergenic
rs2033643	212221870	T/G	39/305/467	0.24	-3.83	0.84	6.47E-06	Genotyped	Intergenic
rs1836737	212222358	A/G	179/392/240	0.46	-2.54	0.69	2.62E-04	Imputed	Intergenic
rs7559343	212224699	C/T	177/388/246	0.46	-2.50	0.69	3.18E-04	Imputed	Intergenic

rs12472934	212225453	G/C	145/394/272	0.42	1.52	0.71	0.033	Imputed	Intergenic
rs6712652	212226177	A/G	145/393/273	0.42	1.49	0.71	0.036	Genotyped	Intergenic
rs12992745	212228115	C/T	40/299/472	0.23	-3.84	0.84	5.76E-06	Imputed	Intergenic
rs112331273	212228257	C/T	145/393/273	0.42	1.48	0.71	0.038	Imputed	Intergenic
rs60598560	212230359	C/A	187/401/223	0.48	2.11	0.70	2.57E-03	Imputed	Intergenic
rs60650708	212231779	A/G	181/387/243	0.46	-2.65	0.69	1.26E-04	Imputed	Downstream
rs2371262	212235017	T/G	195/397/219	0.49	2.06	0.69	3.06E-03	Imputed	Downstream
rs2371263	212236088	T/C	177/388/246	0.46	-2.77	0.69	6.18E-05	Imputed	Downstream
rs1579599	212236141	T/C	177/.87/246	0.42	-2.77	0.69	6.20E-05	Genotyped	Downstream
rs12992319	212236888	A/G	41/300/470	0.24	-3.93	0.84	2.97E-06	Imputed	Downstream
rs62180134	212237705	T/A	186/404/221	0.48	2.45	0.70	4.84E-04	Imputed	Downstream
rs62180135	212237829	T/A	186/404/221	0.48	2.45	0.70	4.84E-04	Imputed	Downstream
rs1971803	212238366	A/G	178/390/243	0.46	-2.89	0.69	3.06E-05	Imputed	Downstream
rs1971802	212238541	T/C	186/404/221	0.48	2.45	0.70	4.84E-04	Genotyped	Downstream
rs1821659	212238982	C/T	42/302/467	0.24	-3.97	0.83	2.11E-06	Imputed	Downstream
rs1821658	212239070	G/C	42/302/467	0.24	-3.97	0.83	2.11E-06	Imputed	Downstream
rs1836735	212239075	A/G	186/404/221	0.48	2.45	0.70	4.84E-04	Imputed	Downstream
rs1836734	212239076	A/C	186/404/221	0.48	2.45	0.70	4.84E-04	Imputed	Downstream
rs2887992	212239435	C/G	186/404/221	0.48	2.45	0.70	4.84E-04	Imputed	Downstream
rs1971801	212240337	C/T	186/404/221	0.48	2.45	0.70	4.84E-04	Imputed	Downstream
rs1595066	212241725	T/C	186/404/221	0.48	2.45	0.70	4.84E-04	Imputed	Downstream
rs7565960	212242434	A/G	40/294/477	0.23	-4.02	0.84	1.89E-06	Imputed	3'-UTR
rs1595064	212242745	G/C	174/384/253	0.45	-2.68	0.69	1.07E-04	Imputed	3'-UTR
rs16845990	212243011	T/C	174/386/251	0.45	-2.77	0.69	6.23E-05	Imputed	3'-UTR
rs13003941	212243703	T/G	41/297/473	0.23	-3.93	0.84	2.98E-06	Imputed	3'-UTR
rs10932374	212244403	A/G	178/404/229	0.47	2.43	0.70	5.65E-04	Genotyped	3'-UTR
rs12467225	212244657	T/C	180/402/229	0.47	2.47	0.70	4.34E-04	Imputed	3'-UTR
rs12471583	212244718	C/T	185/401/225	0.48	2.40	0.70	6.32E-04	Imputed	3'-UTR
rs3791682	212249706	T/C	180/391/240	0.46	-2.80	0.69	5.40E-05	Imputed	Intron
rs16846013	212250195	A/G	181/405/225	0.47	2.43	0.70	5.54E-04	Imputed	Intron
rs3748962	212251864	C/T	41/302/468	0.24	-3.86	0.84	4.58E-06	Imputed	Exon (synonymous)
rs934606	212252955	T/C	41/305/465	0.24	-3.98	0.83	2.15E-06	Imputed	Intron
rs6749560	212256192	T/C	183/403/225	0.47	2.41	0.70	5.96E-04	Imputed	Intron

rs3791686	212258353	C/T	40/307/464	0.24	-4.25	0.84	4.47E-07	Imputed	Intron
rs3791687	212258767	T/A	183/403/225	0.47	2.40	0.70	6.30E-04	Imputed	Intron
rs1836719	212259228	G/A	40/307/464	0.24	-4.22	0.84	5.29E-07	Imputed	Intron
rs16846048	212262215	G/C	180/387/244	0.46	-2.65	0.69	1.24E-04	Imputed	Intron
rs12990779	212263271	A/T	60/348/403	0.29	-2.56	0.79	1.30E-03	Imputed	Intron
rs16846049	212263838	C/T	192/402/217	0.48	2.06	0.70	3.35E-03	Imputed	Intron
rs3791691	212264560	T/C	186/402/223	0.48	2.38	0.70	7.05E-04	Imputed	Intron
rs4673613	212264642	C/T	196/406/209	0.49	2.10	0.70	2.92E-03	Imputed	Intron
rs4673614	212264802	T/A	190/409/212	0.49	2.21	0.70	1.78E-03	Imputed	Intron
rs7585000	212264818	C/A	59/351/401	0.29	-2.82	0.80	4.04E-04	Genotyped	Intron
rs12992515	212267373	C/A	59/351/401	0.29	-2.82	0.80	4.04E-04	Imputed	Intron
rs12998535	212267719	T/C	30/296/485	0.22	-3.59	0.87	4.54E-05	Imputed	Intron
rs1816532	212268240	C/A	59/351/401	0.29	-2.82	0.80	4.04E-04	Imputed	Intron
rs3791695	212270563	C/G	62/351/398	0.29	-2.88	0.79	2.78E-04	Imputed	Intron
rs3791696	212270839	C/T	191/406/214	0.49	2.19	0.70	1.84E-03	Imputed	Intron
rs13431425	212271176	A/C	189/410/212	0.49	2.18	0.71	2.04E-03	Imputed	Intron
rs3791697	212272614	A/G	193/409/209	0.49	2.13	0.70	2.60E-03	Imputed	Intron
rs3791699	212274447	A/G	188/401/222	0.48	2.28	0.70	1.16E-03	Imputed	Intron
rs3791700	212275020	G/A	189/407/215	0.48	2.35	0.70	8.45E-04	Imputed	Intron
rs3791701	212275221	T/C	194/409/208	0.49	2.15	0.70	2.32E-03	Imputed	Intron
rs16846100	212278218	A/C	185/427/199	0.49	2.10	0.72	3.75E-03	Imputed	Intron
rs7591494	212278940	A/G	169/426/216	0.47	2.26	0.72	1.80E-03	Imputed	Intron
rs3791702	212280780	C/T	182/420/209	0.48	1.70	0.72	0.018	Imputed	Intron
rs4673616	212281381	G/T	173/424/214	0.47	2.10	0.72	3.64E-03	Imputed	Intron
rs59043430	212283669	C/T	176/421/214	0.48	-2.16	0.72	2.68E-03	Imputed	Intron
rs11900036	212283911	T/A	172/424/215	0.47	-2.03	0.72	5.04E-03	Imputed	Intron
rs3791704	212284621	G/A	182/420/209	0.48	1.70	0.72	0.018	Genotyped	Intron
rs2289086	212285103	T/C	168/420/223	0.47	-1.90	0.72	8.50E-03	Imputed	Intron
rs16846127	212285785	A/G	185/419/207	0.49	1.58	0.72	0.028	Imputed	Intron
rs16846128	212285816	G/C	182/420/209	0.48	1.70	0.72	0.018	Imputed	Intron
rs3791705	212285902	G/A	166/419/226	0.46	-1.82	0.72	0.011	Imputed	Intron
rs3791706	212285914	C/T	185/419/207	0.49	1.58	0.72	0.028	Imputed	Intron
rs3791707	212286037	C/T	185/420/206	0.49	1.62	0.72	0.024	Imputed	Intron

rs3791708	212286121	A/T	185/419/207	0.49	1.58	0.72	0.028	Imputed	Intron
rs3791709	212286934	T/A	175/425/211	0.48	1.86	0.72	0.010	Imputed	Intron
rs55901919	212289451	T/C	183/420/208	0.48	1.55	0.72	0.030	Imputed	Intron
rs16846133	212289728	C/T	180/421/210	0.48	1.67	0.72	0.020	Imputed	Intron
rs3791710	212290048	C/T	176/425/210	0.48	1.66	0.72	0.022	Imputed	Intron
rs4673617	212290579	T/C	179/422/210	0.48	1.69	0.72	0.019	Imputed	Intron
rs16846136	212291371	A/C	180/423/208	0.48	1.56	0.72	0.030	Imputed	Intron
rs16846140	212292521	G/A	180/421/210	0.48	1.69	0.72	0.019	Imputed	Intron
rs1836717	212292699	G/A	178/424/209	0.48	1.66	0.72	0.022	Imputed	Intron
rs6435622	212296094	C/G	171/430/210	0.48	1.76	0.73	0.016	Imputed	Intron
rs73985439	212299249	C/A	169/433/209	0.48	1.63	0.73	0.026	Imputed	Intron
rs62178762	212300809	T/A	177/428/206	0.48	1.58	0.72	0.029	Imputed	Intron
rs2033647	212302127	G/A	177/430/204	0.48	1.63	0.73	0.025	Imputed	Intron
rs10804195	212327353	G/A	80/360/371	0.32	-2.49	0.76	1.07E-03	Genotyped	Intron
rs11695594	212327432	T/C	80/360/371	0.32	-2.49	0.76	1.07E-03	Imputed	Intron
rs62178790	212327460	C/T	1/48/762	0.03	-4.04	2.03	0.047	Imputed	Intron
rs12694233	212327896	C/G	81/359/371	0.32	-2.48	0.76	1.08E-03	Imputed	Intron
rs1836749	212327990	C/G	81/359/371	0.32	-2.48	0.76	1.08E-03	Imputed	Intron
rs13425064	212328743	G/A	63/334/414	0.28	-1.96	0.78	0.013	Imputed	Intron
rs2371272	212329352	C/T	82/361/368	0.32	-2.52	0.76	8.74E-04	Imputed	Intron
rs2371273	212329416	G/A	82/361/368	0.32	-2.52	0.76	8.74E-04	Imputed	Intron
rs2371274	212329457	G/T	82/361/368	0.32	-2.52	0.76	8.74E-04	Imputed	Intron
rs4569408	212330564	C/T	65/342/404	0.29	-2.13	0.78	6.60E-03	Genotyped	Intron
rs4490118	212330865	C/A	66/345/400	0.29	-2.27	0.78	3.72E-03	Imputed	Intron
rs10176444	212333042	A/C	62/337/412	0.28	-2.12	0.79	7.30E-03	Imputed	Intron
rs4302167	212333423	G/T	62/342/407	0.29	-2.02	0.79	0.011	Imputed	Intron
rs4255906	212334101	G/C	62/341/408	0.29	-2.03	0.79	0.010	Imputed	Intron
rs6726567	212335333	G/T	63/342/406	0.29	-2.18	0.79	5.58E-03	Imputed	Intron
rs12622730	212435213	C/T	4/131/676	0.09	-3.16	1.28	0.014	Genotyped	Intron
rs10497947	212435516	G/T	4/131/676	0.09	-3.16	1.28	0.014	Imputed	Intron
rs13032114	212578978	A/C	146/386/279	0.42	-1.40	0.71	0.048	Genotyped	Intron
rs11685450	212579599	G/C	146/386/279	0.42	-1.40	0.71	0.048	Imputed	Intron
rs6435664	212585065	G/C	180/393/238	0.46	-1.56	0.70	0.026	Imputed	Intron

rs7593713	212591484	T/C	73/368/370	0.32	2.05	0.77	8.28E-03	Imputed	Intron
rs6435665	212591641	A/G	73/369/369	0.32	2.02	0.77	9.29E-03	Imputed	Intron
rs7597007	212592044	G/T	136/379/296	0.40	-1.89	0.71	7.93E-03	Imputed	Intron
rs34269326	212593527	G/A	75/369/367	0.32	1.96	0.77	0.011	Imputed	Intron
rs34937662	212593570	G/T	76/368/367	0.32	1.95	0.77	0.011	Imputed	Intron
rs6711487	212597041	G/A	136/379/296	0.40	-1.89	0.71	7.93E-03	Genotyped	Intron
rs6740215	212597387	G/A	74/368/369	0.32	2.00	0.77	0.010	Imputed	Intron
rs6711999	212597572	C/T	136/379/296	0.40	-1.89	0.71	7.93E-03	Imputed	Intron
rs13015253	212599229	G/T	154/388/269	0.43	-2.01	0.70	4.37E-03	Imputed	Intron
rs10932394	212599659	C/G	105/368/338	0.36	-1.73	0.73	0.019	Imputed	Intron
rs12469039	212600224	A/G	105/368/338	0.36	-1.73	0.73	0.019	Imputed	Intron
rs6738219	212601679	G/A	74/368/369	0.32	1.96	0.77	0.011	Imputed	Intron
rs13025068	212602308	C/T	78/372/361	0.33	1.91	0.77	0.013	Imputed	Intron
rs13004899	212602758	C/G	90/381/340	0.35	1.61	0.75	0.033	Imputed	Intron
rs35761042	212602819	C/A	89/382/340	0.35	1.73	0.76	0.023	Imputed	Intron
rs11690747	212604287	A/C	77/367/367	0.32	1.81	0.77	0.018	Imputed	Intron
rs6722322	212604921	A/G	77/367/367	0.32	1.81	0.77	0.018	Genotyped	Intron
rs6722824	212605282	A/G	90/381/340	0.35	1.61	0.75	0.033	Imputed	Intron
rs13020626	212605509	A/G	77/367/367	0.32	1.81	0.77	0.018	Imputed	Intron
rs34776422	212605856	G/A	77/367/367	0.32	1.81	0.77	0.018	Imputed	Intron
rs13010892	212607429	G/T	77/367/367	0.32	1.81	0.77	0.018	Imputed	Intron
rs6706010	212608476	A/G	104/368/339	0.36	-1.65	0.73	0.025	Imputed	Intron
rs71422755	212608568	T/G	73/370/368	0.32	2.05	0.77	8.21E-03	Imputed	Intron
rs34156641	212608978	T/C	74/368/369	0.32	2.06	0.77	7.70E-03	Imputed	Intron
rs13003936	212609698	A/C	78/366/367	0.32	1.86	0.77	0.015	Imputed	Intron
rs13004180	212609905	C/A	77/367/367	0.32	1.87	0.77	0.015	Imputed	Intron
rs13004391	212609927	T/C	78/366/367	0.32	1.86	0.77	0.015	Imputed	Intron
rs13030927	212610016	G/T	78/366/367	0.32	1.86	0.77	0.015	Imputed	Intron
rs7424043	212610449	A/C	78/366/367	0.32	1.81	0.77	0.018	Imputed	Intron
rs5838283	212610455	A/C	78/367/366	0.32	1.86	0.77	0.016	Imputed	Intron
rs13023789	212610966	C/A	79/371/361	0.33	1.79	0.77	0.020	Imputed	Intron
rs13024502	212611079	A/G	74/366/371	0.32	2.03	0.77	8.59E-03	Imputed	Intron
rs13025192	212611517	T/C	77/365/369	0.32	1.81	0.77	0.019	Imputed	Intron

rs13025061	212611566	C/A	77/364/370	0.32	1.83	0.77	0.017	Imputed	Intron
rs13030667	212611649	A/G	91/379/341	0.35	1.65	0.75	0.029	Imputed	Intron
rs11685063	212612693	G/A	77/365/369	0.32	1.83	0.77	0.017	Imputed	Intron
rs6738017	212614488	T/G	77/364/370	0.32	1.83	0.77	0.017	Imputed	Intron
rs6757068	212615516	C/T	77/365/369	0.32	1.83	0.77	0.017	Imputed	Intron
rs10175461	212615935	C/T	135/375/301	0.40	-1.93	0.71	6.54E-03	Imputed	Intron
rs6749096	212616720	C/G	77/365/369	0.32	1.83	0.77	0.017	Imputed	Intron
rs60617648	212617541	A/C	77/365/369	0.32	1.83	0.77	0.017	Imputed	Intron
rs6707801	212617599	C/T	77/365/369	0.32	1.83	0.77	0.017	Imputed	Intron
rs6435666	212617946	A/C	77/365/369	0.32	1.83	0.77	0.017	Imputed	Intron
rs13006962	212618827	C/T	76/366/369	0.32	1.84	0.77	0.017	Imputed	Intron
rs13030400	212618902	G/C	76/366/369	0.32	1.84	0.77	0.017	Imputed	Intron
rs7605314	212619025	C/T	135/375/301	0.40	-1.86	0.71	8.81E-03	Imputed	Intron
rs12052854	212619095	T/G	76/366/369	0.32	1.84	0.77	0.017	Imputed	Intron
rs12052855	212619166	A/G	76/366/369	0.32	1.84	0.77	0.017	Imputed	Intron
rs13032058	212619529	A/G	76/366/369	0.32	1.84	0.77	0.017	Imputed	Intron
rs13032070	212619552	A/G	76/366/369	0.32	1.84	0.77	0.017	Imputed	Intron
rs12987993	212620063	A/C	76/366/369	0.32	1.84	0.77	0.017	Imputed	Intron
rs7419259	212620510	A/C	76/366/369	0.32	1.84	0.77	0.017	Imputed	Intron
rs6743889	212620872	C/T	135/375/301	0.40	-1.86	0.71	8.81E-03	Imputed	Intron
