

**Supplementary information, Table S5 Results for 67 SNPs validated in larger population**

Chr	Position	Ref allele	Alt allele	Number of RJF	Number of VC	FST in larger samples	FST for 5RJFs vs 8VCs	Overlapped genes
2	80326793	C	T	31	26	0.629903087	0.574021614	intergenic
2	80326818	T	C	31	26	0.629903087	0.574021614	intergenic
2	80326839	A	C	31	26	0.629903087	0.574021614	intergenic
2	80326840	A	T	31	26	0.629903087	0.574021614	intergenic
2	80326866	G	C	31	25	0.645921577	0.574021614	intergenic
5	40092110	G	C	27	20	0.747457033	0.528023599	TSHR(downstream)
5	40092012	G	A	25	20	0.606600372	0.528023599	TSHR(downstream)
5	40092286	G	A	25	20	0.64881475	0.528023599	TSHR(downstream)
5	40092309	G	A	25	20	0.64881475	0.528023599	TSHR(downstream)
5	40092338	A	G	25	20	0.64881475	0.528023599	TSHR(downstream)
9	12584591	T	C	30	24	0.303592891	0.418181818	ATP13A4
9	12584847	T	G	29	24	0.670237929	0.632183908	ATP13A4
9	12584853	T	G	29	24	0.357273768	0.418181818	ATP13A4
9	12584874	G	A	29	24	0.670237929	0.04950495	ATP13A4
11	4363346	T	G	28	20	0.626972457	0.549295775	RPGRIP1L
11	4363390	C	T	28	20	0	0	RPGRIP1L
11	4363778	C	T	28	20	0.542398101	0.466282144	RPGRIP1L
11	4363787	G	A	28	20	0.467915606	0.283267457	RPGRIP1L
7	6649854	C	A	28	22	0.443423046	0.610705596	COL18A1 (upstream)
7	6649878	A	G	28	22	0.227269817	0.369853204	COL18A1 (upstream)
7	6650054	G	A	27	22	0.371091062	0.04950495	COL18A1 (upstream)
7	6650120	T	C	27	22	0.427655161	0.04950495	COL18A1 (upstream)
7	6650129	G	A	27	22	0.303552043	0.369853204	COL18A1 (upstream)
7	6650196	C	T	27	22	0.427655161	0.04950495	COL18A1 (upstream)
7	6650160	A	T	27	22	0.427655161	0.04950495	COL18A1 (upstream)
9	12546345	A	G	31	23	0.02676464	0.400749064	OPA1
9	12546387	A	G	31	23	0.048581794	0.468942627	OPA1
9	12546416	C	G	31	23	0.048581794	0.468942627	OPA1

9	12546421	G	T	31	23	0.037141971	0.468942627	OPA1
9	12546426	C	T	31	23	0.048581794	0.468942627	OPA1
9	12546495	C	T	31	23	0.034167181	0.386518244	OPA1
9	12546566	T	G	31	23	0	0.334257975	OPA1
9	12546613	C	A	31	23	0.178307316	0.528023599	OPA1
9	12546701	G	A	31	23	0.109406819	0.025239339	OPA1
9	12546702	C	T	31	33	0	0.144385027	OPA1
3	31539842	G	A	16	6	0.216048287	0.508301223	VIT
3	31539574	T	C	32	19	0.221907599	0.712722298	VIT
2	31291843	C	T	30	24	0.264609324	0.04950495	IGF2BP3
2	31291844	C	T	30	25	0.041190935	0.302180685	IGF2BP3
2	31291910	A	G	30	24	0	0.302180685	IGF2BP3
2	31291931	G	A	29	24	0.474355677	0.725166099	IGF2BP3
2	31292042	G	A	29	23	0.260988811	0.632183908	IGF2BP3
2	31292094	C	T	29	23	0	0.528023599	IGF2BP3
2	31292233	T	C	30	21	0.59886167	0.725166099	IGF2BP3
2	31292359	A	G	29	22	0.399202476	0.008092839	IGF2BP3
2	31290728	A	G	30	23	0	0.124028388	IGF2BP3
2	31290818	C	T	30	23	0.482820252	0.603851444	IGF2BP3
2	31290904	G	A	31	24	0.528317897	0.837892604	IGF2BP3
2	31290970	A	C	31	24	0.530306533	0.334916865	IGF2BP3
2	31291039	C	T	31	24	0.018775131	0.240011176	IGF2BP3
2	31290675	C	T	29	21	0.644305664	0.837892604	IGF2BP3
2	31290672	C	A	29	21	0	0.124028388	IGF2BP3
2	31290665	A	C	29	21	0	0.124028388	IGF2BP3
3	54316468	A	G	24	14	0.561601858	0.822335025	MAP3K5
3	54316446	A	G	27	14	0.595234855	0.822335025	MAP3K5
3	54316289	G	A	26	14	0.584725202	0.837892604	MAP3K5
3	54316272	T	C	26	14	0.584725202	0.822335025	MAP3K5
3	54316232	T	C	26	14	0.584725202	0.73651192	MAP3K5
3	54316242	T	C	25	14	0.251641276	0.44735208	MAP3K5
3	54316350	A	G	26	14	0.140856889	0.607972207	MAP3K5
3	54316094	G	T	24	14	0.162825692	0.124028388	MAP3K5
3	54316098	G	A	24	14	0.162825692	0.124028388	MAP3K5
1	63172968	C	T	30	23	0.528863839	0.725166099	intergenic
1	63172991	A	G	29	23	0.693279086	0.607972207	intergenic
1	63173097	C	T	20	23	0.457792875	0.4869873	intergenic
1	63173216	C	T	18	23	0.655093741	0.725166099	intergenic
1	63173227	C	T	18	23	0.687342389	0.725166099	intergenic