

Appendix 1. List of SNPs within *Tyrp1*.

SNP ID	Mb	Con Score	Domain	Function	Details	B6	D2
wt37-4-80480728	80.480728	1	Intron; Nonsplice Site			A	G
wt37-4-80480729	80.480729	1	Intron; Nonsplice Site			G	A
wt37-4-80480743	80.480743	1	Intron; Nonsplice Site			C	A
wt37-4-80481306	80.481306	1	Exon 2; Coding	Nonsynonymous	Biotype: Protein Coding, C -> Y, TGT -> TAT, 110	G	A
wt37-4-80481565	80.481565		Intron; Nonsplice Site			G	A
wt37-4-80481748	80.481748	0.343	Intron; Nonsplice Site			T	C
wt37-4-80481902	80.481902	0.343	Intron; Nonsplice Site			C	A
wt37-4-80482143	80.482143	0.343	Intron; Nonsplice Site			G	A
wt37-4-80482194	80.482194	0.343	Intron; Nonsplice Site			T	G
wt37-4-80482339	80.482339	0.343	Intron; Nonsplice Site			A	G
wt37-4-80482360	80.482360	0.343	Intron; Nonsplice Site			A	G
wt37-4-80482396	80.482396	0.343	Intron; Nonsplice Site			A	G
wt37-4-80485070	80.485070	1	Intron; Nonsplice Site			G	A
wt37-4-80485287	80.485287	1	Intron; Nonsplice Site			G	A
wt37-4-80485722	80.485722	1	Intron; Nonsplice Site			C	A
wt37-4-80486306	80.486306	1	Intron; Nonsplice Site			G	A
wt37-4-80486611	80.486611	1	Exon 4; Coding	Synonymous	Biotype: Protein Coding, F -> F, TTC -> TTT, 272	C	T
wt37-4-80486799	80.486799	1	Intron; Nonsplice Site			T	C
wt37-4-80486922	80.486922	1	Intron; Nonsplice Site			T	G
wt37-4-80487104	80.487104	1	Intron; Nonsplice Site			A	G
wt37-4-80487370	80.487370	1	Intron; Nonsplice Site			T	G
wt37-4-80487386	80.487386	1	Intron; Nonsplice Site			C	G
wt37-4-80487428	80.487428	1	Intron; Nonsplice Site			A	T
wt37-4-80487574	80.487574	1	Intron; Nonsplice Site			T	C
wt37-4-80487575	80.487575	1	Intron; Nonsplice Site			C	T
wt37-4-80487618	80.487618	0.766	Intron; Nonsplice Site			A	G
wt37-4-80487620	80.487620	0.766	Intron; Nonsplice Site			G	A
wt37-4-80487622	80.487622	0.766	Intron; Nonsplice Site			A	G
wt37-4-80487635	80.487635	0.766	Intron; Nonsplice Site			C	T
wt37-4-80487666	80.487666	0.766	Intron; Nonsplice Site			C	T
wt37-4-80487817	80.487817	0.766	Intron; Nonsplice Site			T	C

wt37-4-80488036	80.488036	0.14	Intron; Nonsplice Site			C	G
wt37-4-80488654	80.488654	0.84	Intron; Nonsplice Site			G	A
wt37-4-80489069	80.489069	0.84	Intron; Nonsplice Site			C	T
wt37-4-80490181	80.490181	0.972	Intron; Nonsplice Site			A	G
wt37-4-80490659	80.490659	1	Intron; Nonsplice Site			A	G
wt37-4-80490758	80.490758	1	Exon 5; Coding	Nonsynonymous	Biotype: Protein Coding, R -> H, CGT -> CAT, 326	G	A
wt37-4-80491480	80.491480	1	Intron; Nonsplice Site			C	T
wt37-4-80492644	80.492644	1	Exon 6; Coding	Synonymous	Biotype: Protein Coding, R -> R, AGG -> AGA, 417	G	A
wt37-4-80492768	80.492768	0.993	Intron; Nonsplice Site			T	G
wt37-4-80493240	80.493240	0.993	Intron; Nonsplice Site			G	C
wt37-4-80493631	80.493631	0.187	Intron; Nonsplice Site			T	A
wt37-4-80494781	80.494781	1	Intron; Nonsplice Site			G	A
wt37-4-80495077	80.495077	1	Intron; Nonsplice Site			T	A
wt37-4-80495422	80.495422	1	Intron; Nonsplice Site			T	C
wt37-4-80496370	80.496370	1	Intron; Nonsplice Site			G	A