

**Table S2** *TYR* exonic SNV genotypes in cats.

Cat ID*	Phenotype <sup>‡</sup>	Mocha (c <sup>m</sup> )	Burmese (c <sup>b</sup> )	Siamese (c <sup>s</sup> )
		c.820_936delinsAATCTC I274_L312delinsNL	c.679G>T p.G227W	c.904G>A p.G302R
22449	–	+/-	G/T	G/G
22450	–	+/-	G/T	G/G
22451	–	+/-	G/T	G/G
22452	–	+/-	G/T	G/G
22453	–	+/-	G/T	G/G
22486	Mocha	+/+	G/G	G/G
22532	Sable	-/-	T/T	G/G
22533	Burmocha	+/-	G/T	G/G
22534	Sable	-/-	T/T	G/G
22535	Burmocha	+/-	G/T	G/G
22536	Sable	+/-	G/T	G/G
22538	Sable	+/-	G/T	G/G
1	Light brown	+/-	G/T	G/G
2 <sup>†</sup>	Tortoiseshell	-/-	G/T	G/G
3	Light brown	+/-	G/T	G/G
4	Light brown	+/-	G/T	G/G
5	Mocha	+/+	G/G	G/G
6	Light brown	+/-	G/T	G/G
7	Light brown	+/-	G/T	G/G
8	Mocha	+/+	G/G	G/G

\*Cats 1 – 8 were genotyped by commercial services for Burmese and Siamese allele. <sup>†</sup>Parent of cat 3 and 4.

<sup>‡</sup>Phenotype was listed only when coat colors of the cats were supported by photographs.