

Supplementary Material to “Mitogenomic sequencing of the Brazilian Mastiff and Brazilian Terrier suggests a complex scenario of breed formation for two established Brazilian dog breeds”

Table S4 - Comparison between SNPs of the Melanophilin gene of a Brazilian Terrier dog and other breeds (*Canis lupus familiaris*).

Position	Doberman Pinscher (European)/ Large Munsterlander/Beagle	Doberman Pinscher (North American)	German Pinscher	Brazilian Terrier	Original (<i>Canis lupus</i>)
157354 (exon 1)	G	G	G	n.d.	G
157471 (exon 1)	A	A	A	n.d.	A
157486 (intron 1)	A	A	A	n.d.	A
163882 (intron 1)	C	C	T	C	C
163889 (intron 1)	A	A	C	A	A
163936 (intron 1)	G	G	A	G	G
163983 (intron 1)	G	G	A	G	G
164012 (intron 1)	G	G	A	A	G
164049 (intron 1)	G	G	A	G	G
164075 (intron 1)	T	T	C	T	T
164258 (exon 2)	T	T	C	n.d.	T
164397 (intron 2)	G	G	A	G	G
180908 (exon 3)	G	G	A	n.d.	G
180994 (exon 3)	C	T	C	C	T
180998 (exon 3)	G	G	A	A	G
183047 (intron 4)	C	G	G	G	C
183254 (exon 5)	C	T	C	C	G
183336 (intron 5)	C	T	C	n.d.	C
184650 (intron 5)	C	T	C	Y	C
184751 (exon 6)	G	G	G	n.d.	G
184818 (intron 6)	G	A	G	G	A

Position		Doberman Pinscher (European)/ Large Munsterlander/Beagle	Doberman Pinscher (North American)	German Pinscher	Brazilian Terrier	Original (<i>Canis lupus</i>)
186072	(intron 6)	T	C	T	n.d.	T
186091	(intron 6)	T	C	T	n.d.	T
186184	(exon 7)	A	G	A	n.d.	A
186329	(intron 7)	G	A	G	n.d.	G
187449..54	(exon 8)	GAGGAG	del	GAGGAG	GAGGAG	GAGGAG
189560	(intron 8)	G	G	G	G	G
189575	(intron 8)	C	A	C	C	A
189719	(exon 9)	C	C	C	n.d.	C
189728	(exon 9)	n.d.	G	A	n.d.	n.d.
195548	(intron 9)	n.d.	G	G	n.d.	G
195720	(exon 10)	n.d.	G	A	A	G
195808	(exon 10)	n.d.	A	G	G	A
195888	(intron 10)	n.d.	G	G	n.d.	G
195891	(intron 10)	n.d.	G	G	n.d.	G
195900	(intron 10)	n.d.	G	G	n.d.	G
195901	(intron 10)	n.d.	G	del	n.d.	T
195932	(intron 10)	n.d.	G	G	n.d.	G
196097	(exon 11)	n.d.	G	G	n.d.	G
196354	(intron 11)	n.d.	T	C	C	T
197343	(intron 11)	n.d.	T	T	T	T
197510	(intron 11)	n.d.	C	C	n.d.	C
197673	(intron 12)	n.d.	C	C	C	C
197730	(intron 12)	n.d.	G	G	G	G
198080	(intron 12)	n.d.	A	n.d.	G	A
198126	(intron 12)	n.d.	A	n.d.	G	A
199847	(intron 13)	n.d.	A	A	R (A or G)	A
202837	(exon 16)	n.d.	T	C	n.d.	C