Supplementary Figure 3. Mediation of genomic structural deletion variation by the retrotransposable element SINE. The retrotransposable

element SINEC_Cf in the boxer genomic region (Chr26:36591555-36592244) might be associated with a structural deletion variation in the corresponding Jindo dog genomic region.

Deletion region in Jindo dog genome

	AAATATTTTATTT
TATGACCTTTTGCATATTTTTGGAGATGGATGGATGGATG	
TATGACCTTTTGCATTTGCATTTTTGGAGATGGATGGATG	
TTGCATTTGCATAATGTATCTTTAGAAAGTGGGTTCAGTCTGCCATCTTTACCTGGAAGAGCAGCTCCTCAGAGACTCACCTCCAGGGCT	

Deletion region in Jindo dog genome

Boxer sequence \rightarrow to the address of the sequence of the sequ	CCCATGTCAGGCTCCTGGCATGGGCCTGCTTCTCCCCTCCTGTGTCTCTGCCTCTCTCT	АЛАТАЛАТАЛАТАЛАТАЛАТАЛАТАЛАТАЛАТАЛАТАЛТТТТТТ
	SINEC_Cf (1906p)	
★		

AGGAAG ATTTTCACAGGAAG -GATGTATATTATGATTTTGGGTTTTTTTTCTTAAGTTCCTTATTTTATTTCATTAGCTTACCCATTCAT TATTT TATTTCTT GGAAG TTGGGTT FTTTTTTTAAG GAGADT AUGAAACT TGGGTTTTTTTTCTTAAGTTCCTTATTTTATTTCATTAGCTTACC CACAGGAAG -AGAGTAGGAAACTGAAAATGATGTATA1 AGGAAG TGAGAGTAGGAAACTGAAAATGATGTATATTATGATTTTGGGT -GAAAATGATGTATATTATGATTTTGGG FTCACAGGAAG TCACAGGAAGC ICTTAAGTTCCTTATTTTATTTCATTAGCTTACCCATTCATA CTTAAGTTCCTTATTTATTTCATTAGCTTACCCATTCATATTTCACAGGAAG TCATATTTTCACAGGAAGC TTTTTTTCTTAAGTTCCTTATTTTATTTCATTAGCTTACCCATTCATATTTTCACAGGAAGC

Deletion region in Jindo dog genome