

Supplementary Table S1. List of primers used in the study.

Transcript	Accession number	Splice variant	Analysis	Primer sequences* (5'→3')
<u>DOG</u>				
<i>ROBO1</i>	MK450411		real-time PCR [exons 1-2]	F: CACTCCTCAGCTTGTCCAAAGATCACC R: GCCCAGCGAATTGTCATCATTATCA
			5'RACE	outer: GGCTCACAGCCTCTCCGAGGTAA inner: GAGTTGCAGGTTCTCCTTTTGACACA
			RT-PCR/RPA [exons 10-11]	F: CATTGACAAGGTCCTGTGAATCAGAC R: TTGATGCAATGCAGGTGTACCGAC
			ssRNA control, RT-PCR/RPA	F: CCAGTGCCCTCGACCCACAA R: TGGCACCATAACAGGTCTCGACC
<i>ROBO1-AS</i>	MK450414	v.1	5'RACE	outer: ACAGGTCGGTACACCTGCATTGCA inner: GCATCAACCCCCAGTGGTGAAGCA
	MK450415	v.2	3'RACE	outer: AGATGCATGGCTGAAGGCTTC inner: AATATAAGATGTTGGAGTTGCACCTGAATTCAA
	MK450416	v.3		
<i>ROBO2</i>	MK450412	v.1	real-time PCR [exons 1-2]	F: GTCGGCTGATGTTTACACA ACTACTGCTC R: CGGCCCTCTGCCTTACAGTTCAA
			MK450413	v.2
	RT-PCR/RPA [exon 2]	F: TCTGAGCAAGCTGACTCGGACCC R: TCCTTGTGAGTCTCCACCCGCTC		
	real-time PCR [exons 1-2]	F: AACTCTGAGCAAGCTGACTCGGACC R: CAATGACATCTGAAGGGTGTCTCCAC		
	<i>ROBO2-AS</i>	MK450417 MK450418 MK450419	v.1 v.2 v.3	5'RACE
3'RACE				outer: TAAGTGCATTTCTGAAAATGGTGA inner: CCAGAGATGCATTTGACTTACTGCTTCA
real-time PCR [exons 1-2]				F: TCAACAGGGTAAACTGGCAACAAACAA R: TGCGAGGAACTATCTCGGTGAAGCA
<i>RBM11</i>	MN989983	v.1 v.2 / v.3	full-length	F: CATTCTGAAAATGGTGATTTGCC R: GGACCAACTCTGAGCAAGCTGA
			RT-PCR [exons 1-3]	F: CATTCTGAAAATGGTGATTTGCC R: GAAAATGTAGCTCCAGCAGGCA
			RT-PCR [exons 3-4]	F: TGCCTGCTGGAGCTACATTTTC R: GGACCAACTCTGAGCAAGCTGA
			RT-PCR [exons 2-3]	F: GGAGGGAAGTCTTCTTGCGA R: GAAAATGTAGCTCCAGCAGGCA
			full-length ORF	F: CCTCCATCCTTGGCGGAGACCGGA R: GAAGACCTGGGCAGACAAATTTCACTTGAACA

			real-time PCR [exons 3-5]	F: CTCGCTCTTCTGAACCAGCTAACCAA R: GCTGGAGGGCTGGATTATACGCA
<i>NR1P1</i>	ENSCAFT0 0000012894		real-time PCR	F: ATGACTCATGGAGAAGAGCTTGGCTC R: GGCCGGAAATGCATTACCAGAAA
<i>HSPA13</i>	MN989982		full-length ORF	F: GCTTCTCGAACAGCGTTGGAGCAAGAGA R: TGGAGGTGGTCTGATAAAGAGGAAGAGGCTCATC
			real-time PCR [exons 3-4]	F: GAGGAATATCTTGGAAATGCCAGTTGC R: GACCTCAGCCTTGTGGAGGCC
<i>SAMSN1</i>	MN989984	v.1	full-length ORF	F: ACAGAAAGTGCACCTTGCTTGGAGCAGTCTGA R: TGCCAAAGACTTACACTGTACCTTTTTCTAATACAGGCAA
			real-time PCR [exons 1-2]	F: GTGCACTTGCTTGGAGCAGTCTGA R: CTGGTTTTGAAATGGAACTATTCCGAA [T in this position was replaced on <u>C</u> to assist PCR]
	MN989985	v.2	full-length ORF	F: GCGACAAGGGACTGAAGCCACCTCAA R: TGCCAAAGACTTACACTGTACCTTTTTCTAATACAGGCAA
			real-time PCR [exons 2-5]	F: GCCAGTCCCAGAGCAACAACTAACC R: <u>C</u> GTTCTCGCCAGATTGTGTCATTCA [G in this position was replaced on <u>C</u> to assist PCR]
<i>USP25</i>	MN989981		full-length ORF	F: ATGACCGTGGAGCAGAACGTGCTGCAG R: GCAAACCCTGTGACAGGAAGGCAAGGGTTAA
			real-time PCR [exons 2-3]	F: AGCACCAGCAGACGTTTTTGAATCA R: GGCATTCTTTCAGTAAGGAAAGCC
			genomic DNA control, PCR/RPA	F: TGAACAGAGGTCACAGTACTATGCCAGAA R: CATTAGCTGTTTGCATCATGACACCATTA
<u>MOUSE</u>				
<i>Robo2-AS</i>	MK753303	v.1	full-length	F: CCTGTACTAAATTTCTACTTATTTTGCAAGAGTGCTCA R: TCGTTTTGATGTTATTCTTCTCAGGACCAACTCTA
			5'RACE	outer: TGTGATACTTTCATATTCTTAAAAAATATGTGGTGGTA inner: AAAATATGTGGTGGTAGTTTACTATCTTGGTGCCAAT