

Table S2: Primer sequences and details for canine-specific RT-PCR

Gene	Sequence*	Size	E
RNA Pol II	GACGAGAAAGGCTTGGTCAG ATGGGTAGGCTTGGAGAGGT	192	1.95
GAPDH	GCCCTCAATGACCACTTTGT TCCTTGGAGGCCATGTAGAC	101	1.92
RPS18	ACTGAGGATGAGGTGGAACG ACACGAAGTCCCCAAAAGTG	215	1.92
OCT4	AGTGAGAGGCAACCTGGAGA TCAGGGAGAGGGACTGAGGA	303 ^a	1.89
Nestin	CAGCAGCTAGCACACCTCAA GCAAGGAGAGGGAAGTAGGG	220 ^a	1.77
TUBB3	AGCCAAGTTCTGGGAAGTCA CCCACTCTGACCAAAGATGAA	238	1.93
GFAP	AGATCCACGATGAGGAGGTG TCTTAGGGCTGCTGTGAGGT	104	
MAP2	AGAGGAGGTGTCTGCAAGGA GTGATGGAGGTGGAGAAGGA	161	
PSD95	GACGGGAGTGGTCAAGGTTA GGCGAGCATAGTGAACCTCC	120	
HPC-1 (STX1A)	AGTACAACGCCACACAGTCG GTTCCCCTCTCCAGCATGT	122	
STX1B	CAACAAGGTTCCGGTCCAAGT ACTGGGTCGCGTTATATTCG	158	
Synaptopodin	GTTGGTGGGTTTCATCAGCTT CCAAAGACCACGGAAGTGTT	165	
MBP	AGAAGAGCAACAAGGCTGGA TTGTTCTGCTCCACATCTGC	124	
NEFH	CTCAAAGGCACCAAGGACTC CAAAGCCAATCCGACATTCT	244	
Synaptophysin	GCCACTGACCCAGAGAACAT TCCTTGAACACGAACCACAG	167	

* Primer sets are written 5' to 3'; forward, top; reverse, bottom.

^a Elongation time, 20 sec.

Abbreviations: E, efficiency of primer set.