

Supplementary Table 2: Primers used for RT-qPCR

Validation of aberrant transcripts detected by RNA seq				
Target	Forward primer	Reverse primer	Product size	Tm
<i>Neat1</i>	TGGAGATTGAAGGCGCAAGT	AAGCACGGAACCTAGGCAAA	96	58
<i>4930560O18Rik</i>	AGGGATCCATGGAGGAAACC	GTGACGAGATGCCCAATTCC	106	58
<i>Fbll1</i>	TGAGGAAGCTGCAACAGGAG	CTACTTGCTCTTGGGTGGGG	116	58
<i>Steap1</i>	CCATCTGTGAGCGACTCTTT	GGCAAAAACCAAAGCGTGTA	105	58
<i>Klk1b21</i>	AGGATCTTCAACAGCTCCAAGCTC	CTGGACAGGAGGTGCAGCAT	120	58
<i>Actb</i>	CTGTGAGTCGCGTCCACC	CGCAGCGATATCGTCATCCAT	100	58
<i>Tbp</i>	AGCTCTGGAATTGTACCGCA	TGACTGCAGCAAATCGCTTG	130	58
Intron retention				
Target	Forward primer	Reverse primer	Product size	Tm
Exon-exon jct	GACAGACATGTCAGGGCATT	GCCATGGTCCATCTGTAGTG	162	55
Intron-exon jct	TGTGGGTTTGGGCTTAGAAA	GCCATGGTCCATCTGTAGTG	169	55
Detection of <i>Pde1a</i> gene isoforms				
Target	Forward primer	Reverse primer	Product size	Tm
Exons 1/3	CATTGGAGAACAGACCGAGA	TCAACAACGTTGACATCACCT	96	54
Exons 2/3	GGATGAGTATGTCACAATCAGGA	TCAACAACGTTGACATCACCT	102	54
Exons 4/6	AGGTCTTGAAAATGGCATGA	CCATTTTGCCTGTGAAAGTT	128	54
Exons 5/6	TGAAATTGCACATGGACTGA	CCATTTTGCCTGTGAAAGTT	125	54
Exons 7/8	GGGAGCATAGCCTGAAGTTT	CAAAGGCAATTAGGCAAGAA	96	54
Exons10/11	TGAGCACACAGGAACAACAA	CGTGGTGATTCTCAAGCACT	95	54
Exons 16/17	TTCAAAAACAACCTGGTGGA	AACGCTGTTCTGTAGAATTGA	97	54
Exons 16/18	TTCAAAAACAACCTGGTGGA	TGTCTGAGGTGTCTGATGTCAA	101	54
<i>Gapdh</i>	TGACCACAGTCCATGCCATC	GACGGACACATTGGGGGTAG	100	58