

**Supplementary Table 1.** Primer information for circRNAs.

Isoform name	Gene name	Primer sequence-Forward (5'-3')	Primer sequence-Reverse (5'-3')
ENSBTAT00000069762	<i>circRNA1636</i>	TGAGACCAGTGCTGAGGATG	GGTGACTCCTTTGAGCCAGA
ENSBTAT00000063826	<i>circRNA1890</i>	AGCATTATCTGCATACCAGAGG	CAGACTCCACTTTTCCTTCAGC
ENSBTAT00000066850	<i>circRNA2513</i>	ATGGCCCCTGAGATGTATGA	CGCTGCCTCTCAGACTTTGT
ENSBTAT00000010553	<i>circRNA2656</i>	GATGGTCCATTTCTGGATGG	GCCCCTTGATATCACCTGAA
ENSBTAT00000016319	<i>circRNA3288</i>	AGATGGAGCCTTGACACTGG	CAGACTGGGCAACAGCTACA
ENSBTAT00000075440	<i>circRNA3623</i>	ATGAAGATTTGGAGCGCAAG	ATCGGAGCTGGAATAAGCAA
intergenic_circRNA	<i>circRNA3998</i>	GGCTTCTGCTCAGTTTCACC	AAAGGCAGGCAGTTGTTGAT
intergenic_circRNA	<i>circRNA4015</i>	GTATGGAGGGGGTGATTCCCT	ATCACTCAGTCCCCACAAGG
ENSBTAT00000035479	<i>circRNA4517</i>	CGAGATGTGAAACACCTGGA	GCATTGGTGCTCTGAAGATG
ENSBTAT00000013714	<i>circRNA4804</i>	ACCTCCTGCTGACAGGACAC	GTTCCCTCCGCTCTTCCTCT
ENSBTAT00000023577	<i>circRNA6208</i>	GCAAGGTCAGCAGGACTTTT	GTTGAAGCAGCACAGTTGGA
ENSBTAT00000072428	<i>circRNA7697</i>	CCTGAGCAACCAGAGAAACC	CCGAGTGCTCTGTGTAACCA
ENSBTAT00000018812	<i>circRNA2480</i>	TTCATATGGGGCATTGTGTG	GGTGGCAAAGGCTTAATGTC

Isoform name: The linear transcript ID corresponding to circRNA.