

Supplementary Table S1 RT-PCR primers

RNA	Strand	Sequence (5'-3')
bta_circ_1913	Forward	AGAGCCCCAAGAGATTGCAG
	Reverse	GGAGGTATCGACTCCCCTTC
bta_circ_2015	Forward	TGACATGCGGGGTATGATCG
	Reverse	TGGTATGGCAGCTCTTGGTG
bta_circ_2421	Forward	ATGATCTACGGCCCAACAAA
	Reverse	CAAGCCCAGGATACCATCAA
bta_circ_2423	Forward	GCGGTCAATAGCCTACCCTC
	Reverse	GCCCAAGACGCCATCAAATC
bta_circ_6638	Forward	GGA CTATGACTTTCAACGGGA
	Reverse	CGATTTTGCCGTATTTTGAGAAGA
bta_circ_8048	Forward	TGTGTGGCTGACATCTGGTC
	Reverse	TGCATGTCCTTCTGTATTGAGC
bta_circ_9746	Forward	TGCTGAGTCCTATGGGGTAA
	Reverse	TCCTTGGATTCCCTTCGCTG
bta_circ_9746	Forward	TGCTGAGTCCTATGGGGTAA
	Reverse	TCCTTGGATTCCCTTCGCTG
ACTB	Forward	AGGCTGTGCTGTCCCTGTAT
	Reverse	GGGCAGTGATCTCTTTCTGC
ARL13B	Forward	ACA GCGAAGGGAATCCAAGG
	Reverse	GAGCACGTTGTTCTGCTGTG
HNRNPC	Forward	GGACAGCGGGGATCTTCTTC
	Reverse	CTAGGCGCAGGGCAATATGA
ILRUN	Forward	TATGTCGGGGGAGACCAGTT
	Reverse	TAAGACTGGCCGAAGGGGTA
PAG2	Forward	GGCTCGCCTATCACCATCTT
	Reverse	GTGACCAGTTTTTGTGGGC
PAG4	Forward	CCCGCTGAGAAACATCAGGG
	Reverse	GCCTCAGAAAGACGTCACCC
STK3	Forward	GTACTGTGGAGCTGGCTCTG
	Reverse	GTCCAGCTCATCCTCATCCG

Supplementary Table S2 RT-qPCR primers

RNA	Strand	Sequence (5'-3')
bta_circ_1913	Forward	GCGGATGTGCACTGCTACAG
	Reverse	GCGCCAATTGCTGCTTGT
bta_circ_2421	Forward	ATCCACTGCGCCCTCAAG
	Reverse	AAACGACTGTTTCAGGGCTAACAA
bta_circ_2423	Forward	AACTACCGAGTGCCAGGTCAA
	Reverse	CCGAAGTGTGATCATACTTACAA
bta_circ_6638	Forward	GGACTATGACTTTCAACGGGATTATT
	Reverse	TGGCCATTGTCTTTGATGATATG
bta_circ_8048	Forward	AAATGGCGGAAGGAAAACCT
	Reverse	TTGAGAATGGTTGCAATTTTCATCT
bta_circ_9746	Forward	CACCCTAGGATATCCGGAAAG
	Reverse	GCATTATCAAGTCCCACCATCA
ARL13B	Forward	GGCGACAGCGAAGGGAAT
	Reverse	TTTCCTTGTCTAAGGTCAATTTTGG
HNRNPC	Forward	GGAAAAGCAGGTGTGAAACGA
	Reverse	AAAGTCATAGTCCAAGTCAAAGATGAG
ILRUN	Forward	GAGTCGATACCTCCTGATACTCAGTTT
	Reverse	TCCCCGACATATTTAAGACAAA
PAG2	Forward	TCAGGGATTTCTTGGCTCTGA
	Reverse	GGCTTAGGCCAAACGACTGTT
PAG4	Forward	TGTGGGTGCCCTCCATCT
	Reverse	GCCGGAAGGTAGAAGACTCAAG
RPL27	Forward	CGCTACTCCGGACGCAAA
	Reverse	GTCTGAGGTGCCGTCATCAA
STK3	Forward	GATTTTGGAGTTGCTGGTCAGTT
	Reverse	AACGGAGTTCCTATCACAGTATTGC

Supplementary Table S3 Standard oligonucleotides for RT-qPCR

RNA	Sequence (5'-3')	bases
bta_circ_1913	GCGGATGTGCACTGCTACAGGACTCTACTATGGAGGAAC CTACAAGCAGCAATTGGCGC	59
bta_circ_2421	ATCCACTGCGCCCTCAAGCCTACATCATCAAGATCGGGA ACCTTGTTAGCCCTGAACAGTCGTTT	64
bta_circ_2423	AACTACCGAGTGCCAGGTCAAGCCTACATCCTCAAGATT GGGGACCTTGTAAGTACTGATCAGCAGTTCGG	71
bta_circ_6638	GGACTATGACTTTCAACGGGATTATTATGACAGTTTTTCA GCTTTGTGAGGCACCATATCATC AAAGACAATGGCCA	77
bta_circ_8048	AAATGGCGGAAGGAAAACCTCCTTATGCTGATATACATCC CATGAGGTTAACAGAAGATGAAA TTGCAACCATTCTCAA	79
bta_circ_9746	CACCCTAGGATATCCGGAAGCCTATATTGGTAAAGGTGA CTCTTGATGATGGTGGGACTTGAT AATGC	68
ARL13B	GGCGACAGCGAAGGGAATCCAAGGAGAATATCCTGAAG ATGTAGCTCCTACTGTTGGATTTTCCAAAATTGACCTTAG ACAAGGAAA	87
HNRNPC	GGAAAAGCAGGTGTGAAACGATCTGCAGCGGAGATGTA CGGCTCATCTTTTGACTTGGACTAT GACTTT	69
ILRUN	GAGTCGATACCTCCTGATACTCAGTTTATAAAAACGTGGC GGATCCAAAATTCTGGGGCAGAGGCCTGGCCTCCAGGG GTTTGTCTTAAATATGTCTGGGGGA	102
PAG2	TCAGGGATTTCTTGGCTCTGACACCGTTCGGATCGGGAA CCTTGTTAGCCCTGAACAGTCGTTTGGCCTAAGCC	74
PAG4	TGTGGGTGCCCTCCATCTTTTGCAACAGCTCAACCTGTTT TAAACACGATAGGTTCAGACATCTTGAGTCTTCTACCTTC CGGC	84
RPL27	CTACTCCGGACGCAAAGCGGTCATCGTGAAGAACATTGA TGACGGCACCTCAGACCG	57
STK3	GATTTTGGAGTTGCTGGTCAGTTAACGGATACAATGGCG AAACGCAATACTGTGATAGGAACT CCGTT	68