

Supplementary Table S1 Primer sequences used in this study

Primer name	Forward primers sequence (5'-3')	Reverse primers sequence (3'-5')
PW78	GCCCTTTGCGTGAAAAGACT	TTGAGTTGACGCGTCTTCGA
PW80	GTGTTGTTCAACTGGGTGGC	GAAGCAGCTCAGCAAAAAGCA
PW81	TTTTAGCGATCCCCTTAACG	GACCAAGGGAGCTTCCACTC
PW301	AGACAGCGGTTTTTCGTGGAT	CCCTAACGTCGTAGTGAGCC
PW303	TGGGGCTCGAACTTGAATGA	ACTGACTCGTAGGCCAATCA
PW304	TGGATGTATCACCTTGGAGG	CCACCACAATGCTTCACGTG
PW305	CAATCATCGAGCCACCTCCA	TTGAGCGTGATCCCTTGAGG
PW306	AAAGGACTAGCCGTTGGGTG	GTGAACGTGGTTTGGGCTTC
PW340	AAAGCTGACACAGATGCGGA	ACAAGAGCAGAGTCGGAAGC
PW373	CCATCTCTGCGTAAGTGCGA	ATCAAAAGCTTCTGCGGGGA
PW374	CGGTTGATTGGGAGGTTGGA	CACCTCCAATCATCTCGCA
PW376	TCGAGTTCAGTGCGATTCCA	TCCGGTTGAACCAACTCGAA
PW377	AAAAGCAGGTTCCAGCCCAA	ACAATGGAACTCAAATGAACACTC
PW378	TGAAAACCATTCCCGGAGAG	CAAGGCGTCCGTGGATACT
PW401	CAGTGATACTTTCTAGAAAATTTAGGT	TCCCCGAAATAAACTTCACT
PW404	AGCTGCAACCGTGTGACTTA	TGGACCCGGAAGATACTCGA
PW406	AGTTGTGGTTGTTTGTAAACGA	GGTTAATCCCATGATGCATGCA
PW409	AGGGTTTAGAGTTAAAGGATGAAA	ACCCTAAACCCACCCCTTA
PW436	TGTTAGCCAAGTACTCGCGA	GTGCCC GCCTCTAGTGAATT
BoAP1_gDNA	TTTTCGTCGTAGTTGATAG	AAGGTTATAGGATAGGAGC
BoAP1_CDS	TACTTAGAAGGTCATCATCGAACGT	CTAGCAGTACGGGGTTACGTTAGCC
BoAP1_qPCR	GTACAGGGAGAAAGAGGTTTCG	CTAGCAGTACGGGGTTACGT
Hyg	GCTTCTGCGGGCGATTTGTGT	GGTCGCGGAGGCTATGGATGC
Actin	CCAGAGGTCTTGTTCCAGCCATC	GTTCCACCACTGAGCACAATGTTAC