

Supplementary Table 1Primers and PCR conditions for *PALB2* coding exons

Exon	Primer Sequence 5'-3'		Size(bp)	PCR
	Forward	Reverse		
1	GGATTTAATTGGCCGGAGTT	GACACAAAGCCAGGCCTAAA	309	68-50
2-3	ACCTTTCACCTTGCCCAGTA	GGGAAAAAGAACAATAGCCAAA	400	68-50
4A	GCCTGAATGAAATGTCCTGATT	GGTGATCTAGCAGGATTTTGC	495	68-50
4B	CCCTAGTGGTGAGCAAAAGC	TTCAAGGTGCTGACTACTACCG	388	68-50
4C	ACCAACTGCCCAACCAGA	TGGTTTTCATTTGCTGGTAAG	357	68-50
4D	AAGTAAAAGTGGCCAACTGC	TTTTTCTTGACATCCAAATGACTC	387	68-50
4E	GCAGAAAAACATTCTTGACACA	AAGGAAGTGCCAGGCAAATA	600	68-50
5A	GATTGTCTGTTTTGTTGGGTTT	GGTCCTCTTCTAAGTCCTCCATT	395	68-50
5B	AAAGAGGGAAGCTGTATTTTCC	CTGCCTGAACTGTCGAATTG	398	68-50
5C	CACCTGCTTTCCCATCTTA	GGCATTTCATTCTTCAGAGA	389	68-50
6	AGTGGGTAATGCAGGCAGAC	TGACTGAATTCTTTTCAGTTCATT	213	68-50
7	TGCTTTCATATAAACAGCACT	TGGTAAGCTGCCCATCTACA	293	68-50
8	TGGAAAATCTGGATTAAACAAAAA	TGCACTTAAAACCAGCTGACA	221	68-50
9	ATTAAAAGGTTACTCCTCACATCAC	CCCAACTTTCTCTGAAACCTGT	287	68-50
10	CCTAGAGACTGCTTTAGTGCAAA	TTCACAACAACCCTGTAAAATTAG	250	68-50
11	TTTTCTGAATACTGGTTTGTGGA	CGGGGAAGGTTTGTTCATTA	244	68-50
12	TGCCAGATCTTTATTTTTCCTGA	TGTGTTTGCACAGTGCCTTT	281	68-50
13	TGGTTTTGGGAACATGGTTT	TTAAGTGTTCATTTCAGATATTCTCCTTT	400	68-50