

Table 1 supplement. Primers and PCR conditions utilized for *BAP1* gene sequencing

Exon	Forward Primer	Reverse Primer	PCR product length (bp)	Upstream Intron (bp)	Downstream Intron (bp)	PCR Condition
1,2,3	TCGAGCGCATGCC CGCATCTG	TCCCCAGCACTC TGGGTGTAAGG	603	208 (UTR)	26	95 °C 15min, 35 cycles of (94°C/30sec, 60°C/45sec, 72°C/60 sec) and elongation 72°C for 10min.
4	GGGGGATCACAGC AAGGACACC	CCCACCCTCCAA ACAAAGCACAG	290	100	12	95 °C 15min, 35 cycles of (94°C/30sec, 60°C/45sec, 72°C/60 sec) and elongation 72°C for 10min.
5	AAAGGAGCTGAGA AGGGGAGTTGTC	GATCTGCCCAGT TGGCTGTGAGC	294	102	24	95 °C 15min, 35 cycles of (94°C/30sec, 60°C/45sec, 72°C/60 sec) and elongation 72°C for 10min.
6,7	TCTGTGTTCTTCC GATTCC	GGTCGGGCAATA TGGTGTAG	562	98	136	95 °C 15min, 35 cycles of (94°C/30sec, 60°C/45sec, 72°C/60 sec) and elongation 72°C for 10min.
8	CGACCAGCTCCTG ATTCC	CCATCAGGTTGA GGCAGATA	598	96	385	95 °C 15min, 35 cycles of (94°C/30sec, 60°C/45sec, 72°C/60 sec) and elongation 72°C for 10min.
9	AGGCCATATGGTG AATCTGGCAAGA	TGTGGGGGAAGG GAGGAGGAATG	555	337	46	95 °C 15min, 35 cycles of (94°C/30sec, 60°C/45sec, 72°C/60 sec) and elongation 72°C for 10min.
10	GCCAAGGCCATTA TTCCTTT	TAAGTCATGATC CCGCAATG	579	78	313	95 °C for 15min, 45 cycles of (94°C/30sec, 55°C/30sec, 72°C/45 sec) and elongation 72°C for 10min.
11	TGGCTGGGCTGTT CTTCTCTGG	AAGGAGCTCTCC CTGCCTCCCTA	496	88	178	95 °C 15min, 35 cycles of (94°C/30sec, 60°C/45sec, 72°C/60 sec) and elongation 72°C for 10min.
12	ATCCAGTGTAAGTG GGTGGCAGC	CCAAACTCCGCA GGTGTCAACA	429	154	95	95 °C 15min, 35 cycles of (94°C/30sec, 60°C/45sec, 72°C/60 sec) and elongation 72°C for 10min.
13	CCTGGAGGTCGGG ATGTATT	ACCCTCTGGGAA GAGAGGTC	695	74	102	95 °C for 15min, 45 cycles of (94°C/30sec, 55°C/30sec, 72°C/45 sec) and elongation 72°C for 10min.
14	GGAGGGAAGTGGC CAAGTGACCA	GCAAGGATGAGC AGCGAGTCCA	422	47	169	95 °C 15min, 35 cycles of (94°C/30sec, 60°C/45sec, 72°C/63 sec) and elongation 72°C for 10min.
15,16	CAGAAGACTTTCTG GGTTGGGTGGT	CAGCATGCCTGC GAAGAGGTAGAG	600	117	164	95 °C 15min, 35 cycles of (94°C/30sec, 60°C/45sec, 72°C/60 sec) and elongation 72°C for 10min.
17	TCCTGAGGCTTGA GCAGACCTTG	GCTGTGCCCCAA CTCCAGATGC	467	81	207 (UTR)	95 °C 15min, 35 cycles of (94°C/30sec, 60°C/45sec, 72°C/60 sec) and elongation 72°C for 10min.

