

amplicons was determined by comparison to the 100 bp allelic ladder (Promega, USA).

**Table 1. Contents of reaction mixture**

No.	Contents of reaction mixture	Volume ( µl)
1	Green master mix	5
2	Upstream primer	3
3	Downstream primer	3
4	DNA template	5
5	Nuclease free-water	4
Total volume		20

**Table 2. Primers sequences and thermal cycler conditions**

Genes	Primer sequence (5'-3')	Size of product bp	PCR condition
<b>P6F</b> <b>P6R</b>	5-AACTTTTGGCGGTTACTCTG-3 5-CTAACACTGCACGACGGTTT-3	351	95 °C 10 min 1X 95 °C 30 sec 55 °C 1 min 30X 72 °C 2 min 72 °C 5 min 1X 95 °C 10 min 1X <sup>(31)</sup>
<b>P2F</b> <b>P2R</b>	5-GTTCACGTTTCCACATTAAAGC-3 5-CACGACCAAGTTTTACTTCAC-3	186	95 °C 30 sec 55 °C 1 min 35X 72 °C 2 min 72 °C 5 min <sup>(32)</sup>
<b>Bex A F</b> <b>Bex A R</b>	5-CGTTTGTATGATGTTGATCCAGAC-3 5-TGTCCATGTCTTCAAATGATG-3	343	95 °C 2 min 1X 95 °C 30 sec 54 °C 30 sec 30X 72 °C 45 sec 72 °C 5 min 1X <sup>(33)</sup>
<b>Bex B F</b> <b>Bex B R</b>	5-GGTGATTAACGCGTTGCTTATGCG 5-TTGTGCCTGTGCTGGAAGGTTATG	567	95 °C 2 min 1X 95 °C 30 sec 54 °C 30 sec 30X 72 °C 45 sec 72 °C 5 min 1X <sup>(21)</sup>
<b>Hib F</b> <b>Hib R</b>	5-CCTCGCAATGCAGTTTATGGTCC-3 5-AAGCGGGAATTTGATACCTGATGC-3	774	94 °C 3 min 1X 94 °C 30 sec 60 °C 1 min 37X 72 °C 40 sec 72 °C 5 min 72 °C 1 min <sup>(34)</sup>
<b>Bex F</b> <b>Bex R</b>	5-TATCACACAAATAGCGGTTGG-3 GGCCAAGAGATACTCATAGAACGTT-3	81	95 °C 5 min 1X 95 °C 25 sec 57 °C 40 sec 35X 72 °C 10 min 1X <sup>(35)</sup>