

**TABLE S1****List of primers used RT-PCR**

Primer	Sequence	Fragment size
Gyc-89Da, 1 <sup>st</sup> round	5'-TTCAGTGAATCCCATCCGGTGG-3'	882 bp
	5'-ATCGCCGGTGTACTTCGATA-3'	
Gyc-89Da, 2 <sup>nd</sup> round	5'-TGAATCTGCGAGAGAGGATGAG-3'	708 bp
	5'-CCAACTCGAATAGCCACGTC-3'	
Gyc-89Db, 1 <sup>st</sup> round	5'-AGTGCGGAGAACGCCAAGGAAG-3'	889 bp
	5'-CCTTCAGCGCAGTATAGTTGG-3'	
Gyc-89Db, 2 <sup>nd</sup> round	5'-GGCAGCCACCTCCAAGGACGAA-3'	714 bp
	5'-TTAATGCCACCCGTATAGC-3'	
$\beta$ -actin, 1 <sup>st</sup> - 2 <sup>nd</sup> rounds	5'-TCGCAGTTCTACAGCGAAAG-3'	1132 bp gDNA
	5'-AGGGCGTAACCCTCGTAGAT-3'	592 bp cDNA