

Table: Primer Sequences to Derive the RT-PCR Transcripts

Gene Name-ID Number	Xm Forward Sequence	Xm Reverse Sequence	Xh Forward Sequence	Xh Reverse Sequence
Unknown Protein-Locus_220090	CAGTGTGACACA CACC GC	GATATCAGCGGAA GCCA ACATG	CAGTGTGAC ACAG ACCTC	GATATCAGCGG AAGCC GACGTG
Protein Binding Region-Locus_7635	GGACCTTGCCAG CAAGTG	GGAGCTGCAGGG AGAC CG	GGACCTTGC CAGCAAGTG	GGAGCTGCAGG GAGAA AG
Unknown Protein-Locus_110867	CATGTTTGTGCT TTGTCTGCAC C	TACATGATTGCCG TTTGCACTTC	CATGTTTGT GCTTTGCCT GCAT T	TACATGATTGC CGTTTGCACTT C
Mitochondrial Transcription Termination-Locus_192244	ACGGCAACACAA GTAGCT G	GATCCTTTTTCTCT TGTA GTGTC	ACGGCAACA CAAGTAGC C G	GATCCTTTTTCT CTTGTAGTGT C TC
Collagen VI-Locus_320220	CCCATCTGTTTG AGGGC AG	GATGCTGTCAGGG G CTTG	CCCATCTGTT TGAGGGC TG	GATGCTGTCAG GGG TTTG
Ribosomal Protein L41-Locus_228710	GTTGCAATAGTG AGATTTTAGCTAC G	CTGAAACATTTACT TTAACAGCAGC	GTTGCAATA GTGAGACTT TAGCTAAG	CTGAAACATTTA CTTTAACAGCA GC
18s rRNA-Locus4671	GTCTCTGAGCTT GTCCCGAC	GCAGCTAGCTGCG TTCTTC	GTCTCTGAG CTTG TCCCG AC	GCAGCTAGCTG CGTTCTTC

Table: Average relative mRNA expression level of transcripts studied by real time PCR

Gene Name- ID Number	Average relative mRNA expressio n level of <i>X. maculatu s</i>	Standard Deviation of <i>X. maculatus</i>	Average relative mRNA expressio n level of <i>X. hellerii</i>	Standard Deviation of <i>X. hellerii</i>	Average relative mRNA expressio n level of <i>X. maculatus</i> allele in F1	Standard Deviation of <i>X. maculatus</i> allele in F1	Average relative mRNA expressio n level of <i>X. hellerii</i> allele in F1	Standard Deviation of <i>X. hellerii</i> allele in F1
Unknown Protein- Locus_220090	1.177E-05	1.39207E-06	3.13666E-05	1.57756E-05	4.38121E-06	7.846E-07	1.06886E-05	3.74E-06
Protein Binding Region- Locus_7635	4.622E-05	4.11457E-06	0.000148054	1.0706E-05	7.58847E-06	5.92343E-07	7.48267E-06	3.84396E-07
Unknown Protein- Locus_110867	0.0017245	0.000241541	0.001657603	0.000108009	0.001194187	3.81503E-05	0.000980858	3.70739E-05
Mitochondrial Transcription Termination- Locus_192244	6.598E-05	4.32385E-06	5.11021E-05	5.52338E-06	2.13845E-05	9.0069E-06	2.85045E-05	2.64503E-06
Collagen VI- Locus_320220	0.0160603	0.000870716	0.025058684	0.00196895	0.019743336	0.005656187	0.018664485	0.003126833
Ribosomal Protein L41- Locus_228710	0.0002047	3.80853E-05	0.000151942	2.92033E-05	0.000113287	2.04678E-05	5.36817E-05	5.46715E-06
18s rRNA- Locus4671	0.0587445	0.006640497	0.011996621	0.004936359	0.050244044	0.00098637	0.00025961	8.57012E-06