

Table 5 Primers information of genes for qRT-PCR

Number of unigenes	Primer	Name	Product length (bp)	primer length (bp)	Annealing temperature (°C)	GC percentage (%)	Sequence of primers (5'-3')
Unigene0017646	Forward primer	U17646P1	164	22	60.9	50	5'GAAGAAGGGTGGGTTTCATTGTG 3'
	Reverse primer	U17646P2		21	60.7	52.4	5'TTTCGCTGTACTCCTCGGTCA 3'
Unigene0051695	Forward primer	U51695P1	299	19	56.8	57	5'CCAAAGCCCTCCCTATGTC 3'
	Reverse primer	U51695P2		21	62	57	5'GCCTTCTGTATCTGCCGGTGA 3'
Unigene0003029	Forward primer	U3029P1	158	22	60.9	54.5	5'CCTACCCTAGACATCGCAAAGC 3'
	Reverse primer	U3029P2		23	61.4	47.8	5'GTCGGGAACCTAAACACCTCAAT 3'
Unigene0004253	Forward primer	U4253P1	131	22	60.9	45.5	5'GCTTATGGGTTGTGCTTGAT 3'
	Reverse primer	U4253P2		23	60.9	52.2	5'TGGGACTGTCACTTGGCTACTTC 3'
Unigene0006446	Forward primer	U6446P1	138	24	64.7	54.2	5'AGGCTATCCCTGTCATCTGGCTCT 3'
	Reverse primer	U6446P2		20	62.6	55	5'TGGTGTCTGTTCCGGCATCA 3'
Unigene0023505	Forward primer	U23505P1	152	18	58.4	66.7	5'CCACCGCCCTAAGTCCAG 3'
	Reverse primer	U23505P2		18	58.1	61.1	5'ATCCTCGTCACCGTCGCT 3'
Unigene0028648	Forward primer	U28648P1	125	21	60	48	5'CCCCACTGAAACAACCACAAA 3'
	Reverse primer	U28648P2		21	60	52	5'ACTGGGCTCAGGAATCAAACC 3'
Unigene0039772	Forward primer	U39772P1	165	19	57.8	47	5'GCAAGAACTGCCCGAAAT 3'
	Reverse primer	U39772P2		19	61.8	57	5'TCCGCTGCTCCGTAATGG 3'
Unigene0025394	Forward primer	U25394P1	181	20	54.6	50	5'CTGTTCTTTCTCCTCCATCG 3'
	Reverse primer	U25394P2		21	62.8	57	5'GGGTGCTGTTAGGGACCGTTT 3'
Unigene0003132	Forward primer	U3132P1	261	23	63	48	5'TGATCCCATTCTAGCACAAGGC 3'
	Reverse primer	U3132P2		23	60	54	5'AGTGGGAAGACGGAGATGACGAG 3'
Unigene0012439	Forward primer	U12439P1	149	23	62.9	52.2	5'CATCAGATGCTGTTCCGACCAGTG 3'
	Reverse primer	U12439P2		21	61.4	52.4	5'TCTCCTCCCGCAGTTCCTTTA 3'
Unigene0047695	Forward primer	U47695P1	142	21	64	57	5'TCGGGTCTTCCCAGCCACTA 3'
	Reverse primer	U47695P2		21	66	57	5'GACGCAAGCCAATCCATGACG 3'
Unigene0037073	Forward primer	U37073P1	238	22	60	50	5'TTCCTCACCTCCATCAACTCT 3'
	Reverse primer	U37073P2		19	55	53	5'GATTCTAAGCCATGCGTCC 3'

Continued Table 5

Number of unigenes	Primer	Name	Product length (bp)	primer length (bp)	Annealing temperature (°C)	GC percentage (%)	Sequence of primers (5'-3')
Unigene0019344	Forward primer	U19344P1	233	23	66.5	56.5	5'TCGTTAGACCTGCCTCGACCACA 3'
	Reverse primer	U19344P2		22	62.5	50	5'CCCTCCAAAGCCGTTAGTGTT 3'

Unigene0031027	Forward primer	U31027P1	239	22	61	54	5'GCACATAGGCCCTGTTTCACTC 3'
	Reverse primer	U31027P2		21	62.6	57	5'CATTGCTGTTTCCTCACGACCC 3'
Unigene0015977	Forward primer	U15977P1	191	23	55.3	43.5	5'GAAGAACTACACCCAACCATAAC 3'
	Reverse primer	U15977P2		23	61.9	47.8	5'GCAACTGACCCAAAGCTCACATA3'
Unigene0042389	Forward primer	U42389P1	128	21	60	52	5'CGGTTGTCATCCACCACTTTC3'
	Reverse primer	U42389P2		21	61	52	5'ACTCACCTGCCGATGTTCTT 3'
Unigene0048533	Forward primer	U48533P1	118	24	62.6	46	5'TGATTTGAAGGTTGGCAGTAGGAG 3'
	Reverse primer	U48533P2		24	61.8	46	5'CACCATTCACAGAAGCCATAGACA 3'
UBQ	Forward primer	Ubq P1	192	18			5'TGAATCATCCGACACCAT 3'
	Reverse primer	Ubq P2		19			5'TCCTCTTCTTAGCACCACC 3'

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