

Table 3 Primer names and sequences for gene cloning and expression analysis

Name	Forward sequence	Reverse sequence	Purpose	
PAP1.1	AACACTAATCAAGTTCTACAGTCT	TCTTTGGTCCATGGAGGATT	Homologous clone	
PAP1.2	AAGAAACCAGGTACCTCCTAA	TAACACTAATCAAGTTCTACAGTCT		
PAP1.3	TTCCTCAAGCCTGCCTTTAC	ATGTCACGCACAAGCACAAA		
M13	CAGGAAACAGCTATGAC	GTAAAACGACGGCCAG	Colony PCR	
qPAP1	GCTTTTAGGAAACAGGTTTG	TGAAGGATCGAGGTCGAGGT	qRT-PCR	
qEGL	CTCTCTCCCTAGCGGAATCT	GCGAGAAGAGAGCGAGTGAA		
qGL3	CCAGCTAATCCTCGGACCAC	AGTTTCTCCC GCCGTTTCTT		
qTT8	TGGATACTACAACGGCGCAA	GGCATCCCAGAAGGAGGTTC		
qTT19	AAGGTGGTGATGTGTGGTGTG	GGCGTCACATTCTTCGCCTA		
qDFR	AAGAGACCGTGTGCGTAACC	GGCGTCATCGTAGCTTCCTT		
Actin	TCCATCCATCGTCCACAG	GCATCATCACAAGCATCCTT		qRT-PCR reference gene