

**Table 2. Primer list**

No	Forward Primer	5'-sequence-3'	Reverse Primer	5'-sequence-3'
1	In3GGT-FW	GAAATGGTCGGATTGGCTGGG	In3GGT-RV	ACCTCCACCCCAACTTTCAGG
2	Ph3GT-FW	GATGCATAATTTGGCTAGAAAAGC	Ph3GT-RV	CCAATTTGCCAAACACTTTCC
3	Vh5GT-FW	TGCCTCGAATGGTTGAGCACG	Vh5GT-RV	CTCTCACTCTCACACCCG
4	Sb7GT-FW	CACGAATGCTTAGCATGGCTC	Sb7GT-RV	CTTATTGCCCACTGAAACCCC
5	Gt3'GT-FW	TGTCTGAATTGGCTTGATTCC	Gt3'GT-RV	AACCCACAGAAACCCTGTTC
6	AmCHS-FW	GGCGGAAAACAATGCC	AmCHS-RV	CCAATATGACTCACAT
7	AmCHI-FW	GGGGATCCATGGCTGAGATCACCC AAATTCAGGTCGAAT	AmCHI-RV	GAAAGGTACCTCGAGTCACATCCTAGTTGTG TTCTCTACTTTACATGGTTT
8	AmUGT12-FW	ATGGGAGAAGAATACAAGAAAAC	AmUGT12-RV	TCTTACGATAAAACAACTCA
9	AmAS-FW	AATTATTTCCCAATGTTCAAAAAT	AmAS-RV	TGGAGCTTTAGGTTTGTGAAA
10	AmDFR-FW	ACTCTAATTATGAGTCCCACTTCA	AmDFR-RV	AACCAACAATTTCTAGATTCT
11	Am3GT-FW	GTTCTAATCCTTAATCTAAC	Am3GT-RV	CCGAGTTCACCCGCACTGCG
12	AmGAPDH-FW	TGTTGCTGTTAACGATCCAT	AmGAPDH-RV	AGCTCTTCCACCTCTCCA
13	ThF3H-FW	TATGGCACGAGCAGGACCACTAAC	ThF3H-RV	CGCCGTGTCGACTCG
14	ThDFR-FW	TAAGTATGAGCATGGAAGTA	ThDFR-RV	GGTATGTCCTTGTC AATT
15	ThGAPDH-FW	GATGAGAAGACCCTTCTGTTT	ThGAPDH-RV	CGACACAAGCTTCACAAACGTCTT
16	NcoI-AmUGT12-FW	TCCATGGGAGAAGAATACAAGAAA CA	KpnI-AmUGT12-RV	TGGTACCTAAAATTTGGTAGTTAAACCGATG TA
17	ThDFR-NcoI-FW	CCTTTACCATGGAGTAATGAGCTT		
18	ThF3H-SalI-1	TTCTCTGTCGACGCCATTGCA		
19	ThF3H-SalI-2	CGCCGTGTCGACTCGCTTGAAG		
20	SalI-Am4'CGT-FW	TTTGTGACATGGGAGAAGAATACA AGAAA	Nco-Am4'CGT-RV	CACCATGGACAGAGTGACCGAGTTGATGAA CTTCTCAAAGA
21	Am4'CGT-probe-FW	ATGGGAGAAGAATACAAGAAAAC	Am4'CGT-probe-RV	TCTTACGATAAAACAACTCA
22	AmAS-probe-FW	AATTATTTCCCAATGTTCAAAAAT	AmAS-probe-RV	TGGAGCTTTAGGTTTGTGAAA