

**Table S1 Primer summarization**

Primer	Sequence
ABCB11-s	ATGGGTATTGAAGAAGAGAAGG
ABCB11-a	CGTAGAAGAATTTGTGTGAA
RT-s	TATGACACGGTGGTTGGAGA
RT-a	CCACTCGTTCAGATTCAGCA
<i>TIP41</i> -s	GCAACCATCCAAAGTTTAACTGCT
<i>TIP41</i> -a	AATGTGCAAGCAGGGCTAGTAA
11-1s	ATGGGTATTGAAGAAGAGAA
11-1a	TCAATCAGACTTATAACTGTGACCAAAGCTACAGTCGTGC
11-2s	GCACGACTGTAGCTTTGGTCACAGTTATAAGTCTGATTGA
11-2a	GCATCCAAAGCACTGGTGGCTCGTGGGTCTTTCAGAATAG
11-3s	CTATTCTGAAAGACCCACGAGCCACCAGTGCTTTGGATGC
11-3a	TGTAACAATGCTATCGCAGTAACCAATGCAACAGTCTTTC
11-4s	GGAAAGACTGTTGCATTGGTTACTGCGATAGCATTGTTACA
11-4a	GCATCGAGCGCGCTTGTTGCTTTTGGCTCTTTCACAATGGC
11-5s	CCATTGTGAAAGAGCCAAAAGCAACAAGCGCGCTCGATGC
11-5a	CTACGTAGAAGAATTTGTGT
196-11-s	tataccccagcctcgactagtATGGGTATTGAAGAAGAGAAGGACA
196-11-a	gataagcttgatatcgaattcCTACGTAGAAGAATTTGTGTGAAGTGC
1301-11-s	taagtcggagctagctctagaATGGGTATTGAAGAAGAGAAGG

1301-11-a	cgcccttgctcaccatggatccGTAGAAGAATTTGTGTG
probe-s	GGTTATGACACGGTGGTTGG
probe-T7-a	GCGAAATTAATACGACTCACTATAGGGAGAAACCACTGCAA TCACATCGG
probe-T7-s	GCGAAATTAATACGACTCACTATAGGGAGAGGTTATGACAC GGTGGTTGG
probe-a	AACCACTGCAATCACATCGG

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