Table S1 Primer Sequences Used
A. Primer sequences for genomic PCR and sequencing for POLH

	Forward primer	reverse primer
Exon 2	G6453F **GTTTCCATGCTCCCATGCTC** (20mer)	G6792R **ACCACCACCACCACAACAAC** (20mer)
Exon 3	G7005F **CCAAGCAGGTCTTGAACTC** (19mer)	G7466R **AACACCAGTTCCTAGCCTC** (19mer)
Exon 4	G11452F **TGGGAGTGGAGCAGACAATC** (20mer)	G11795R **AGCAAAGCAGGTTCCAAAG** (19mer)
Exon 5	G21818F **GCTGGCTGCCATTTTTTTGTG** (21mer)	G22272R **AGGCTGCTCTTCAACTCCTG** (20mer)
Exon 6	G25186F **CCAACTTTGATGGGTTGACAG** (21mer)	G25450R **ATGTATTTCCCCTGGCTCC** (19mer)
Exon 7	G28025F **TGCTCTCATTTGTCCTGAACC** (21mer)	G28429R **ATGGGCCATAGTCACCCAAG** (20mer)
Exon 8	G28695F **ATTCACTGAGAAGGGCAGG** (19mer)	G29062R **CTTCCACAGCTACCAAAACC** (20mer)
Exon 9	G29285F **GTCACCTGATGGGAAACAAG** (20mer)	G29649R **GTTCCTGCTCCATAAGGTAAAG** (22mer)
Exon 10	G34690F **TGTTTCCAAACCATTGTCACC** (21mer)	G35043R **TCTTGTAGAGCTAAGACAGAGC** (22mer)
Exon 11	G37765F **CTGTGGCAGAACCAGAATG** (19mer)	AS24 **ATCCTACAGGCAAGCCTGAG** (20mer)

B. Primer sequences for genomic PCR and sequencing for POL I

	Forward primer	reverse primer
Exon 1	G36F **ACGACGACGAGGAAGACG** (18mer)	G490R **TCCGGGTCCCACCTTCTGCC** (20mer)
Exon 2	G1688F **GGAGAAAACACGTCACTCTGC** (21mer)	G2078R **GTGAAGCAAAAATGACCAGCTA** (22mer)
Exon 3	G4241F **TTGAGACAGGGCTTTTGATTC** (21mer)	G4602R **TTCATGTAATGAACAGGCATCC** (22mer)
Exon 4	G7991F **CGTCAATTAACTGAGGGCTTT** (21mer)	G8384R **CAGAATCACACAGCGAACTCA** (21mer)
Exon 5	G10980F **AGGTGATGATGGTGGTGGTT** (20mer)	G11480R **CACACACACACACATGCACA** (20mer)
Exon 6	G13116F **TTCAGGCATCCACTGAAGGT** (20mer)	G13590R **GCCTTCTAATAGGAAAGGGATCA** (23mer)
Exon 7	G14241F **GGCTCAAACTAAGGACAAGAGG** (22mer)	G14609R **AAAGCAGAGAAATCCCATGA** (20mer)
Exon 8	G17498F **GAGTGAGGCCTGAGAGCTTG** (20mer)	G17966R **TGCTAATTCCCTGTGAAGACC** (21mer)
Exon 9	G22166F **AATGTCAAGATGCCCAGTGA** (20mer)	G22662R **GCATATTTAAGGCCAGAAACCA** (22mer)
Exon 10A	G24028F **ACAGCAGCAGCAGCGATATT** (20mer)	G24619R **TCCTTGAGGTTCTTTAGGTCCTT** (23mer)
Exon 10B	G24351F **GGAAAGGAAGTGTGAGTTGTCC** (22mer)	G24947R **TCCCTTGCTTTTCAGACCTT** (20mer)

C. Primer sequences for POLH real-time QRT-PCR

	Forward primer (primer position)	Reverse primer (primer position)
WT (exon 2 inclusion)	VMM23 (exon1-2) **CAGGTGTTTGTTACCTTGAA**	VMM30 (exon2) **GCTGCTCCACTTGAACAA**
WT (exon 2 inclusion)	VMM33 (exon2) **CTCTCGTGGACATGGACTG**	VMM26 (exon3-2) **ACTCACTGCAATTATTCC**
Exon 2 skipping	VMM36 (exon1) **CCATTTTCCTTCCAGTAG**	vmm24 (exon 3-1) **CATAACTCACTGCAATTATTCA**