**Table S2. Primer list.**

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| Name | Sequence | Purpose |
| LRAT-E2-F | GTACTTTGCGCCGTACCTCA | *LRAT* sequencing  |
| LRAT-E2-R | TAGGGGAGGTGTCCAGGAAT | *LRAT* sequencing  |
| LRAT-E3-F | ACGGTATAGAATCAGAACTGGAC | *LRAT* sequencing  |
| LRAT-E3-R | TTGTTCTTGGGCTTACACAGT | *LRAT* sequencing  |
| LRAT-gDNA-F | GTCCTCCTTTGCCTTCCTCT | PCR amplification for cloning |
| LRAT-gDNA-R | ATTCTACCACACCCTGTCGT | PCR amplification for cloning |
| LRAT-gDNA-F-SalI | CGGGTCGACGTCCTCCTTTGCCTTCCTCT | PCR amplification for cloning |
| LRAT-gDNA-R-KpnI | CGGGGTACCATTCTACCACACCCTGTCGT | PCR amplification for cloning |
| pET01-Q5SDM-F | CTCCCTGGCATTGGCACAACT | mutagenesis |
| pET01-Q5SDM-R | GTCATGTCAGCACAGGGC | mutagenesis |
| pET01-5' exon-F | GAGGGATCCGCTTCCTGCCCC | Amplification of cDNA |
| pET01-3' exon-R | CTCCCGGGCCACCTCCAGTGCC | Amplification of cDNA |
| pCMV-F | GCACGCAGAAGGTGGTCT | Amplification of cDNA |
| pCMV-R | CCGCTTACTTGTCATCGTCG | Amplification of cDNA |