|  |
| --- |
|  **Primer**  **Sequence**  |
|  **1** 5' CAGCCTGGAGGAGAACATTG 3' **2** 5' GGGATGAATGGAGGGGTGTTG 3' **3** 5' CCACAAAATGCCAGGGAGAAG 3' **4** 5' GTAATCGTCCACGCCAGAAG 3' **5** 5' CCTTTTATTCAACACCCCTCCATTCATCCCATGATTGAACAAGATGGATT 3' **6** 5' CTGCAGAGAGCTTCTCCCTGGCATTTTGTGGTCAGAAGAACTCGTCAAGAAGGCGATAG 3' **7** 5' GTCGCCAAGCCCTTTTATTCAACACCCCTCCATTCATCCCATGAAAAAGCCTGAACTCAC 3' **8** 5' CTGCAGAGAGCTTCTCCCTGGCATTTTGTGGCTATTCCTTTGCCCTCGGACGAGTG 3' **9** 5' TCGTCCAGTCCGCAGGAGTACA 3' **10** 5' ACAATAAAGAGTACTGCGCCGTGACC 3' **11** 5' CGGGTCCACGATTCACTGGAAG 3' **12** 5' CAGGTAGCCGGATCAAGCGTATGC 3' **13** 5' CGAGCACGTACTCGGATGGAAG 3' **14** 5' GACCTCAACAGGAGCAACCTAAAG 3' **15** 5' AACTTTATGCGCAGCGTCAC 3' **16** 5' GGCCCAAAGCATCAGCTCATC 3' **17** 5' GCAGGCTCTCGATGAGCTGATG 3' **18** 5' AGGAAGGAAACACGCAAAGGTC 3' **19**  5' ATGCCGAAGCGTGTTGCTCTG 3' **20** 5' TTAAGACCTCCACAACCGCTGAAG 3' |

**Table S2.** Oligonucleotides sequences used to obtain gene replacement cassettes (P1-P8) and to confirm *LiASA* mutants’ genotype (P9-P20)