**Supplemental Table S1** The primers used in this study.

|  |  |
| --- | --- |
| Primer name | Sequences |
|  | RbcS conserved region |  |
|  |  RbcSF1 | 5’-CGGTGCATGCAGGTGTTGGC-3’ |
|  |  RbcSR1 | 5’-GGGCAGCTTCCACATGGTCC-3’ |
|  | 5’RACE  |  |
|  |  NgRbcS1-R  | 5’-GCTGTGAGAGGTGGCAGGTACGAG-3’ |
|  |  GgRbcS1-R  | 5’-GATCCAGTTGTTCCGGATCAGGTAGTCG-3’ |
|  | 3’RACE  |  |
|  |  NgRbcS1-F  | 5’-CTTGAGTTCAGCAAGGTCGGGTTCGTC-3’ |
|  |  GgRbcS1-F  | 5’-TGTTCCGTGAGAACTCCACTTCCCCG-3’ |
|  | Nested PCR for 3’RACE |  |
|  |  3’Ng-nested-F  | 5’- TGTACCGTGAGAACAGCAGG-3’ |
|  |  3’Gg-nested-F  | 5’- TGGACCATGTGGAAGCTGCC-3’ |
|  | RbcS cloning for transformation |  |
|  |  NgRbcSCDS3’-F-Xba1  | 5’-GCGCTCTAGACTAACACTAGCTTGTAAGCC-3’ |
|  |  NgRbcSCDS3’-R  | 5’-ACAGAGCTGAACAAAGGAGG-3’ |
|  |  GgRbcSCDS3’-F-Xba1  | 5’-GCGCTCTAGAAAGAAACCATGGCCCCCACC-3’ |
|  |  GgRbcSCDS3’-R  | 5’-CATATCATAGCCTGAGCTTTGC-3’ |

Extra nucleotides attached to introduce restriction sites are underlined.