**S1 Table. Oligonucleotide primers used for cloning**

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| Name | Sequence, 5’-3’ | Target |
| Hal3-200 | GAAGTCACAGAGTGCTCTTGG | *hal3::KanMX4*genomic DNA |
| Hal3-3’\_term1 | GTGACATCGATACCTTCACTTAC | *hal3::KanMX4*genomic DNA |
| CaHAL3*Eco*RI | AATT*GAATTC***ATG**CCTTCTGATACTCCCAAAG | CaHAL3 ORF |
| CaHAL3*Xho*I | TCAT*CTCGAG*TCATTTATTCTTGACATTCTCTTTAAC | CaHAL3 ORF  |
| CaCab*Eco*RI | AATA*GAATTC***ATG**TCCCAAGATTCTTCAGATC | CaCAB3 ORF  |
| CaCab*Xho*I | TTAT*CTCGAG*TCAAATAAGATTTTGAGTTTCTTTAGG | CaCAB3 ORF  |
| CaPpz1*Eco*RI | ATA*GAATTC***ATG**GGTTCTAATTCA | CaPPZ1-3 ORF  |
| CaPpz1*Xho*I | CCT*CTCGAG*CTTTATGTAGATTC | CaPPZ1-3 ORF  |
| CaPPZ-Cter*Bam*HI | AAA*GGATCC*ATAGATATAGATTCATTAATTGATAAATTA | CaPPZ1-3 ORF  |
| CaPPZ-Cter*Xho*I | TTTA*CTCGAG*CTTTATGTAGATTTCTTTC | CaPPZ1-3 ORF  |

The engineered restriction sites are written in italics, initiating ATG codons are shown in bold, while STOP codons are underlined.