**Table S1. List of oligonucleotide primers. Restriction enzyme sites introduced for cloning purposes are underlined.**

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| --- | --- | --- | --- |
| **Description** | **Gene**  | **Enzyme site** | **Oligonucleotide sequence of Primer (5’-3’)** |
| Deletion construct for *CPK*2 | *CPK2* 5′ UTR  | EcoRI  | CAGAGAGAATTCTGGCTTGGATCTGCCCTC (F) |
| BamHI | CAGAGAGGATCCGGAAGGAATCATCCCCGA (R)  |
| *CPK2* 3′ UTR | PstI | CAGAGACTGCAGCTGTCTCATTGTGGCGCTTG (F) |
| HindIII | CAGAGAAAGCTTCTGGCATATGGCATGTGGTA (R) |
| *Locus specific PCR for* CPK2 deletion  | *CPK2* 5′ UTR | FP | AACTCAATCCCGCCTTGTCC |
| *CPK2* 3′ UTR | RP | TTCCTCCTCTAGAGCACTTG |
| *CPK*2 C-terminal tagging with GFP | *CPK2* ORF 1kb  | EcoR1 | CAGAGAGAATTCATGGCGGCTGCTCTG (F) |
|  | EcoRI | CAGAGAGAATTCAAAGTCCTGAAAGTAGTGGTCG (R) |
| GFP | EcoRI | CAGAGACCATGGTGAGCAAGGGCGAGGAGCTGT (F) |
|  | BamHI | CAGAGACCCGGGTTACTTGTACAGCTCGTCCATGCC (R) |
| TrpC terminator | BamHI | CAGAGAGGATCCACTTAACGTTACTGAAATCATCAA(F) |
|  | XbaI | CAGAGATCTAGACGAGCCCTCTAAACAAGTGT(R) |
|  | gfp | RP | TGAAGGGCATCGACTTCAAGG |
|  | CPk2 DS | RP |  |
| *CPK*2 tagging with GFP with Histone 3 promoter | Promoter H3 | EcoRI  | TGTGAATTCGTGGGGGACGACCTTACCT |
| BamHI | GGGGGATCCTGATTGATTTGTGATTGATGAAAA |
| *CPK2* ORF  | XbaI | CAGAGATCTAGA ATGGCGGCTGCTCTG |
| PStI | CAGAGACTGCAGAAAGTCCTGAAAGTAGTGGTCG |
| *GFP* | BamHI | CAGAGAGGATCCATGGTGAGCAAGGGCGAGGA |
| XbaI | CAGAGATCTAGACTTGTACAGCTCGTCCATGCC |
| Cpk2 driven by cpkA promoter for complementing CPKA | *CPK*A 5′ UTR | EcoRI | CAGAGAGAATTCTCGGCTTGCTTATCCCTT (F) |
| SpeI | CAGAGAACTAGTCGAGGCGACAATGGGGATT (R) |
| *CPK*A 3′ UTR | PstI | CAGAGACTGCAGAGAGGCTATGATTTGTATTCCAC (F) |
| HindIII | CAGAGAAAGCTTCAT ACCTACTGTATTCAGT (R) |
| *CPK*2 ORF  | SpeI | CAGAGAACTAGTATGGCGGCTGCTCTG |
| XbaI  | CAGAGATCTAGAAAAGTCCTGAAAGTAGTGGTCG |
| *Real time qPCR* |
| CPKA | TGCTGTGCGGCTATACCCCCTTCT (F)CGCGCCGGCCTTGACTGGAG (R) |
| CPK2 | GGAACCCAGGAGACGTACAC (F)GGCTTTTCGACGATCTGCTTG (R)  |
| β - Tubulin | ACTGATGTCGCTGTTCTTCT (F)CTGTTGAGGTTGGTGTAGGT (R) |