**Table S1. Primers used for cloning**

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| **Gene name** | **Forward primer 5’-3’** | **Reverse primer 5’-3’** | **Enzyme sites** |
| CNGC11 | ATGAATCTTCAGAGGAGAAAAT | CTACGCATAAATCGCAGCACCT | XmaI/XbaI for pGEMHEKpnI/BamHI for pSAT1-cCFP-NNcoI/SpeI for pCAMBIA1302 |
| CNGC11(CT) | CAATCATCTACG ACTAGAGTAG | CTACGCATAAATCGCAGCACCTA | ECORI/BamHI for pGBDT7 |
| CNGC12 | ATGAATCATCGGAGGAGTA | CTATGCTTCAGCCTTTGCA | BamHI/XbaI for pGEMHEEcoRI/XmaI for pSAT1-nVenus-NBglII/SpeI for pCAMBIA1302 |
| CNGC12(CT) | CAATCATCTACTACTAGAGT | CTATGCTTCAGCCTTTGCA | BamHI/EagI for pET28a |
| CNGC12(441) | GATGGTTGGCTACTAGAAGCT | CTATGCTTCAGCCTTTGCA | ECORI/BamHI for pGBDT7 |
| CNGC12(550) | AGACAAAAACTCCAACGAACAT | CTATGCTTCAGCCTTTGCA | ECORI/BamHI for pGBDT7 |
| CNGC12(565) | CGCTCATGGGCAGCATTCTTC | CTATGCTTCAGCCTTTGCA | ECORI/BamHI for pGBDT7 |
| CNGC12(594) | CCACAAGGCACGCAACTCAAT | CTATGCTTCAGCCTTTGCA | ECORI/BamHI for pGBDT7 |
| CNGC12(565-594) | AGACAAAAACTCCAACGAACAT | ATTGAGTTGCGTGCCTTGTGG | ECORI/BamHI for pGBDT7 |
| CaM1 | ATGGCGGATCAACTCACTGAC | TCACTTAGCCATCATAATCTT | NdeI/BamHI for pGADT7BamHI/XbaI for pGEMHESmaI/ NotI for pGEX-4T-1KpnI/BamHI for pSAT1-cCFP-N |
| CaM11(D21A) | TAGCCTCTTCGCCAAAGATGGCGA | TCGCCATCTTTGGCGAAGAGGCTA | pGADT7 (For point mutation) |
| CaM12(D57A) | TCAACGAGGTTGCTGCAGATGG | CCATCTGCAGCAACCTCGTTGA | pGADT7 (For point mutation) |
| CaM13(D94A) | AGGGTTTTCGCCAAAGACCAG | CTGGTCTTTGGCGAAAACCCT | pGADT7 (For point mutation) |
| CaM14(D130A) | CCGTGAGGCTGCTGTTGATGGA | TCCATCAACAGCAGCCTCACGG | pGADT7 (For point mutation) |
| CAM2 | ATGGCGGATCAGCTCACAGACGA | TCACTTAGCCATCATAACCTTC | Nco I/ BamH I for pGADT7 |
| CAM6 | ATGGCGGATCAGCTCACCGATGACCAGATCTCAG | TCACTTAGCCATCATGACTTTGACGAATTCTTCATAG | XmaI/BamHI for pGADT7BamHI/XbaI for pGEMHE |
| CAM7 | ATGGCGGATCAGCTAACCGATGACCAGATCTCCGAG | TCACTTTGCCATCATGACTTTGACGAACTCTTCATAG | EcoRI/BamHI for pGADT7 |
| CML8 | ATGGAAGAAACAGCACTGACAAAAGAT | TCAGTCAATGTTGATCATCATCTTGAC | EcoRI/BamHI for pGADT7 |
| CML9 | ATGGCGGATGCTTTCACAGATGAACAG | CTAATAAGAGGCAGCAATCATCATTTTAG | XmaI/BamHI for pGADT7 |
| CML10 | ATGGCGAATAAGTTCACTAGACAAC | TCAAGAAAACAACGCTTCGAACAAAT | EcoRI/BamHI for pGADT7 |