pGXT:

·····ggaattcgattat ggatcc ccaatact tgtatgg·····*ccdB*·····ccatacaa gtattgg ggatcc ataatcactagtgaattc·····

pGEM-T backbone *Bam*HI *Xcm*I *Xcm*I *Bam*HI pGEM-T backbone

pXSN and pCXSN:

·····cgaacgatactcgaggg ggatcc ccaatact tgtatgg·····*ccdB*·····ccatacaa gtattgg ggatcc actagcgaatttccccgatcgttcaaa·····

35S promoter *Bam*HI *Xcm*I *Xcm*I *Bam*HI Nos terminator

pXUN and pCXUN:

·····gtgttacttctgcagcccggg ggatcc ccaatact tgtatgg·····*ccdB*·····ccatacaa gtattgg ggatcc gaatttccccgatcgttcaaa·····

Ubiquitin promoter *Bam*HI *Xcm*I *Xcm*I *Bam*HI Nos terminator

pXSN-FLAG and pCXSN-FLAG:

·····cgaacgatactcgaggg ggatcc atg,GAT,TAC,AAG,GAT,GAT,GAT,GAT,AAG,cca,ata,ct tgtatgg·····*ccdB*·····ccatacaa gtattgg ggatcc

35S promoter *Bam*HI FLAG *Xcm*I *Xcm*I *Bam*HI

actagcgaatttccccgatcgttcaaa·····

Nos terminator

pXUN-FLAG and pCXUN-FLAG:

·····gtgttacttctgcagcccggg ggatcc atg,GAT,TAC,AAG,GAT,GAT,GAT,GAT,AAG,cca,ata,ct tgtatgg·····*ccdB*·····ccatacaa gtattgg ggatcc

Ubiquitin promoter *Bam*HI FLAG *Xcm*I *Xcm*I *Bam*HI

gaatttccccgatcgttcaaa·····

Nos terminator

pXSN-HA and pCXSN-HA:

·····cgaacgatactcgaggg ggatcc atg, TAC,CCA,TAC,GAT,GTT,CCA,GAT,TAC,GCT,cca,ata,ct tgtatgg·····*ccdB*·····ccatacaa gtattgg ggatcc

35S promoter *Bam*HI HA *Xcm*I *Xcm*I *Bam*HI

actagcgaatttccccgatcgttcaaa·····

Nos terminator

pXUN-HA and pCXUN-HA:

·····gtgttacttctgcagcccggg ggatcc atg,TAC,CCA,TAC,GAT,GTT,CCA,GAT,TAC,GCT,cca,ata,ct tgtatgg·····ccdB·····ccatacaa gtattgg ggatcc

Ubiquitin promoter *Bam*HI HA *Xcm*I *Xcm*I *Bam*HI

gaatttccccgatcgttcaaa·····

Nos terminator

pXSN-Myc and pCXSN-Myc:

·····cgaacgatactcgaggg ggatcc atg, GAA,CAA,AAG,TTG,ATT,TCT,GAA,GAA,GAT,CTT,cca,ata,ct tgtatgg·····ccdB·····ccatacaa gtattgg ggatcc

35S promoter *Bam*HI Myc *Xcm*I *Xcm*I *Bam*HI

actagcgaatttccccgatcgttcaaa·····

Nos terminator

pXUN-Myc and pCXUN-Myc:

·····gtgttacttctgcagcccggg ggatcc atg,GAA,CAA,AAG,TTG,ATT,TCT,GAA,GAA,GAT,CTT,cca,ata,ct tgtatgg·····ccdB·····ccatacaa gtattgg ggatcc

Ubiquitin promoter *Bam*HI Myc *Xcm*I *Xcm*I *Bam*HI

gaatttccccgatcgttcaaa·····

Nos terminator

pXUN-osaMIR528 and pCXUN-osaMIR528:

·····gtgttacttctgcagcccggg ggatcc CAGCAGCAGCCACAGCAAAATTTGGTTTGGGATAGGTAGGTGTTATGTTAGGTCTGGTTTTTTGGCTGT

Ubiquitin promoter *Bam*HI

AGCACCAGCAGT tgtatgg·····ccdB·····ccatacaa TTCCTGGTGCTAGGCTGTTCTGTGGAAGTTTGCAGAGTTTATATTATGGGTTTAATCGTCC

*Xcm*I *Xcm*I

ATGGCATCAGCATCAGCAGC ggatcc gaatttccccgatcgttcaaa·····

*Bam*HI Nos terminator

pXDG and pCXDG:

·····tacaagatcctctagcgctaccggtcgccaccATGGGTAAA·····TCCGGACTC,aga,tct,cga,gct,caa,gct,tcg,aat,tct,gca,gtc,gac,ggt,acc,gcg,ggc,ccg, gga,tcc,

35S promoter *rsgfp* *Bam*HI

cca,ata,ct tgtatgg·····*ccdB*·····ccatacaa gtattgg ggatcc accggatctagataactgatcataa·····cgttcaaacat·····

*Xcm*I *Xcm*I *Bam*HI Nos terminator

pXDB and pCXDB:

·····tacaagatc ctctagcgctaccggtcgccaccATGGCCTCC·····CTGTTCCTG,aga,tct,cga,gct,caa,gct,tcg,aat,tct,gca,gtc,gac,ggt,acc,gcg,ggc,ccg, gga,tcc,

35S promoter *DsRed* *Bam*HI

cca,ata,ct tgtatgg·····*ccdB*·····ccatacaa gtattgg ggatcc accggatctagataactgatcataa·····cgttcaaacat·····

*Xcm*I *Xcm*I *Bam*HI Nos terminator

pXGUS-P and pCXGUS-P:

·····ggatcc ccaatact tgtatgg·····*ccdB*·····ccatacaa gtattgg ggatcc ATGTTACGT…GGCAAACAATGA gctcgaatttccccgatcgttcaaa·····

*Bam*HI *Xcm*I *Xcm*I *Bam*HI *GUS* Nos terminator

pXGFP-P and pCXGFP-P:

·····ggatcc ccaatact tgtatgg·····*ccdB*·····ccatacaa gtattgg ggatcc ATGGGTAAA…CTATACAAATGA gctcgaatttccccgatcgttcaaa·····

*Bam*HI *Xcm*I *Xcm*I *Bam*HI *rsgfp* Nos terminator

Supplemental Figure S1. Sequence structure of the *Xcm*I-*ccdB*-*Xcm*I cassette in ZeBaTA vectors.

The grey box marks the sequence that will be removed after *Xcm*I digestion.