

**Supplemental Table II**

Primer sequences	Used for the construction of:
ATGCagatctAGCCGTCGCGTTTCCCACAACAGTTC ATCGcttaagTCAAATCTGGGGCAGTGTGTATGGA	pmin-eGFP-Nt
ATGCagatctAGCCGTCGCGTTTCCCACAACAGTTC ATCGcttaagTCAGAAAAACATCGCACCAGTGCCA	pmin-eGFP-Nt-SET-cys
ATGCagatctGCTACCAAGGTGCAGGTCAAGCA ATCGcttaagTCAACTGGCCGGTAGGCGTTCCTCG	pmin-eGFP-SET-cys-Ct
ATGCagatctGCTACCAAGGTGCAGGTCAAGCA ATCGcttaagTCAGAAAAACATCGCACCAGTGCCA	pmin-eGFP-SET-cys
ATGCagatctCTGTTCAAGTCGACAAA ATCGcttaagTCAACTGGCCGGTAGGCGTTCCTCG	pmin-eGFP-cys-Ct
ATGCgctagcAGCCGTCGCGTTTCCCACAACAGTTC GATCgaattcTCAGAAAAACATCGCACCAGTGCC	pET22B-FLAG- Nt-SET-cys
GATCgctagcGCTACCAAGGTGCAGGTCAAGCATG GATCgaattcTCAGAAAAACATCGCACCAGTGCC	pET22B-FLAG-SET-cys
ATCCgctagcAAAATGGTGAGCAAGGGCGAGGAG AGTagatctGAGTCCGACTTGTACAGCTCGTCCATGCCG	ptub-mTagRFP-T-TgTUBA1