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| Supporting Information Table S1 - Topo I primers |
| Primers for generating deletion fragments from full length topo I in pCMV-tag |
| Primer: | Restriction site  | sequence |
| forward from residue 11 | Bgl II | **5'- AAC AGA TCT ATC AGA TCG AAG CGG ATT TCC GAT TG -3'** |
| forward from residue 501 | **5'- AAC AGA TCT AT ACT GTG GGC TGCTGC TCA-3'** |
| forward from residue 216 | **5'- AAC AGA TCT AT AAG TGG AAA TTC CTA GAA-3'** |
| reverse from residue 215 | EcoRV | **5'- TTG ATA TCG ATG CCT TCA GGA TAG CG -3'** |
| reverse from reside 350 | **5'- TTG ATA TCA ATC CTC TCT TTG TGG TT -3'**  |
| reverse from residue 500 | **5'- TTG ATA TCG TCC GCT GTT TCT CCT TC -3'**  |
| reverse from residue 636 | **5'- TTG ATA TCG TCC GCT GTT TCT CCT TC -3'**  |
| reverse from residue 713 | **5'- TTG ATA TCC TGT TTA TTT TCC TCT CG -3'** |
| reverse from residue 765 | **5'- TTG ATA TCA AAC TCA TAG TCT TCA TC -3'** |
| Primers for subcloning deletion fragments +FLAG sequence from pCMV-tag to pTriEx-2Hygro |
| Forward from Kozak-FLAG sequence | EcoR1 | **5’-AA GAA TTC CCG GGC GGA TCC ACC ATG-3’** |
| Reverse from myc sequence  | Sal1 | **5’- CTC GAG GTC GAC GGT ATC GAT AAG -3’** |