

SUPPLEMENTARY DATA

Primer sets used to construct the various truncations and site-specific mutations of YFP-hSERT. Primers were constructed using Clone Manager 7.0, and all mutants were verified through DNA sequencing provided through the sequencing facility at UAMS. Underlined portions of the primers indicate the site of change from the original DNA strands.

<u>SERT constructs</u>	<u>Primers</u>
YFP-Δ6	5'-CTTGTGGGGACTAATAGATCCGCTTG-3" 5'-AAGCGGATCTATTAGTCCCCACAAG-3'
YFP-Δ14	5'-TTACCCAGAAACATAATAGCCAACAGAAATTC-3' 5'-GAATTTCTGTTGGCTATTATGTTTCTGGGGTAA-3'
YFP-Δ20	5'-GAGCGTATTATTAAATAATAGAGTATTACCCCAG-3' 5'-CTGGGGTAATACTCTATTATTTAATAATACGCTG-3'
YFP-Δ26	5'-TCCAGGGACATTTTAATAGAAAGAGCGTATTATTAA-3' 5'-TTAATAATACGCTCTTTCTATTAAAATGTCCCTGGA-3'
YFP-S611A	5'-GCGTATTATTAAAGCTATTACCCCAGAAAC-3' 5'-GTTTCTGGGGTAATAGCTTTAATAATACGC-3'
YFP-S611D	5'-GCGTATTATTAAAGATATTACCCCAGAAAC-3' 5'-GTTTCTGGGGTAATATCTTTAATAATACGC-3'
YFP-T613A	5'-TATTATTAAAAGTATTGCCCCAGAAACACCCAAC-3' 5'-GTTGGTGTCTTCTGGGGCAATACTTTTAATAATA-3'
YFP-T613D	5'-GTATTATTAAAAGTATTGACCCAGAAACACCAAC-3' 5'-GTTGGTGTCTTCTGGGTCAATACTTTTAATAATAC-3'
YFP-T616A	5'-ACCCCAGAAGCACCAACAGAAATTC-3' 5'-GAATTTCTGTTGGTGCTTCTGGGGT-3'
YFP-T616D	5'-AGTATTACCCCAGAAGACCCAACAGAAATTCCTTGTGG-3' 5'-CCACAAGGAATTTCTGTTGGGTCTTCTGGGGTAATACT-3'
YFP-AA	5'-GCGTATTATTAAAACCATTTGCCCCAGAAGCACCAACAGAAATTCC-3' 5'-GGAATTTCTGTTGGTGCTTCTGGGGCAATGGTTTTAATAATACGA-3'
YFP-DD	5'-GCGTATTATTAAAACCATTTGACCCAGAAGACCCAACAGAAATTCC-3' 5'-GGAATTTCTGTTGGGTCTTCTGGGTCAATGGTTTTAATAATACGC-3'
YFP-AAA	5'-GCGTATTATTAAAGCTATTGCCCCAGAAGCACCAACAGAAATTCC-3' 5'-GGAATTTCTGTTGGTGCTTCTGGGGCAATAGCTTTAATAATACGC-3'
YFP-DDD	5'-GCGTATTATTAAAGATATTGACCCAGAAGACCCAACAGAAATTCC-3' 5'-GGAATTTCTGTTGGGTCTTCTGGGTCAATATCTTTAATAATACGC-3'