

**S2 Appendix. Primers used for linearization of plasmids pET-28a(+)::aprt1-Ntag, pET-28a(+)::aprt1-Ctag, pET-28a(+)::aprt2-Ntag and pET-28a(+)::aprt2-Ctag prior to cloning into pPICZ vectors.**

pPICZ Ntag:

Fwd: 5'-GTACTTCCAAAGCGGTACC-3'

Rev: 5'-TGAGTTTGTAGCCTTAGACATGACTGTTTCCTCAG-3'

pPICZ Ctag:

Fwd: 5'-GCTGTCTTGGAACCTAATATG-3'

Rev: 5'-TGTCAGTTTTGGGCCATTTG-3'