

**Table S1. Primers used for cloning *end* and *xthA* genes in pet-21c(+) vector for purification of the encoded proteins.**

<b>Primer</b>	<b>Sequence (5'→3')</b>
F-End- <u><i>NheI</i></u> -EcoRI	ggatcc <u>gctagc</u> gaattcgtgctcattggtcgcag
R-End-Strep- <u><i>HindIII</i></u>	gaattc <u>aagctt</u> tattattttcgaactgcggtggctccaagcgtgctgccttcttcccgag
F-XthA- <u><i>NheI</i></u> - <i>Bam</i> HI	gaattc <u>gctagc</u> ggatcccccgcggcacaattgac
R-XthA-Strep- <u><i>HindIII</i></u>	gaattc <u>aagctt</u> tattattttcgaactgcggtggctccaagcgtcccggcgtgcaggtcgacgag

Relevant restriction sites are underlined.