**Supplementary FILE 6: Plasmids for *in vivo* protein expression.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Plasmid name** | **Expressed protein**  |  **Vector/Promoter** | **Primers for construct** | **RE site** | **Template DNA, source, or method** |
| pAp-BamD | BamD | pTnT/ BamA | BamDSL-f / BamDSL-r | XbaI/SalI | K-12 gene |
| pAp-BamD-His8 | BamD-His8 | pTnT/ BamA | BamDSL-f / BamDCHis8SL-r | XbaI/SalI | K-12 gene |
| pAp-BamD-His8 Y62A | BamD-His8 Y62A | pTnT/ BamA | BamDY62A-f / BamDY62A-r | 　 | pAp-BamD-His8, Quick change mutagenesis |
| pAp-BamD-His8 R197A | BamD-His8 R197A | pTnT/ BamA | BamDR197A-f / BamDR197A-r | 　 | pAp-BamD-His8, Quick change mutagenesis |