**TABLE 1** Primers used for construction of plasmid pET-28a-P22VLP-mCherry, pET-28a-P22VLP-mCherry-TAT and pET-28a-P22VLP-mCherry-8R

|  |  |  |
| --- | --- | --- |
| **Primer name** | **Sequence (5’-3’)** | **Purpose** |
| mCherry-F | GACTGCGGGGTGGAGGCGGATCCGTGAGCAAGGG  CGAGGAGGA | pET-28a-P22VLP -mCherry |
| mCherry-R | TGTTAGCAGCCGGATCTTACTTGTACAGCTCGTCCA |
| P22-R | GGATCCGCCTCCACCCGCAGTCTGACCAGGCAGGC |
| P22-F | GACGAGCTGTACAAGGATCCGGCTGCTAACAAAGC |
| TAT-F | GAAAGAAGAGAAGACAAAGAAGAAGATAAGATCC  GGCTGCTAACAA | pET-28a-P22VLP  -mCherry-TAT |
| TAT-R | CTTCTTTGTCTTCTCTTCTTTCTACCGTACTTGTACAG  CTCGTCCATGC |
| 8R-F | GACGAGCTGTACAAGCGCCGACGCCGTCGCCGACG  CCGTTAAGATCCGGCTGCTAACA | pET-28a-P22VLP  -mCherry-8R |
| 8R-R | AGCAGCCGGATCTTAACGGCGTCGGCGACGGCGTC  GGCGCTTGTACAGCTCGTCCATGCCG |