

**Table S2:** Primers and respective PCR amplification conditions employed in this study. The primer pair SM14est\_fw and SM14est\_rev was employed to subclone the synthetic SM14est gene sequence into the pET-20b(+) vector. The primer pair T7 and T7\_term (T7 standard primers) was employed to confirm the insert in the construct pET20b:SM14est.

Primer name	Primer sequence	PCR conditions
SM14est_fw	5'-AAAAACATATGTTTCAGCGGGTCTGGGCGCTG-3'	Step 1: Incubate at 98°C for 30 s Step 2: Incubate at 98°C for 10 s Step 3: Incubate at 72°C for 30 s
SM14est_rev	5'-AAAAACTCGAGTTAGTGGTGATGGTGGTGATGGC-3'	Step 4: Cycle to step 2 for 35 times Step 5: Incubate at 72°C for 10 min
T7	5'-TAATACGACTCACTATAGG-3'	Step 1: Incubate at 98°C for 30 s Step 2: Incubate at 98°C for 10 s Step 3: Incubate at 53°C for 30 s Step 4: Incubate at 72°C for 15 s
T7_term	5'-CTAGTTATTGCTCAGCGGT-3'	Step 5: Cycle to step 2 for 35 times Step 6: Incubate at 72°C for 10 min