**Supplementary file 4: DNA oligonucleotides used in this study.**

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| Oligo name | Sequence | Source |
| ER12-MCR-fwd | 5’ CTCCATACCCGTTTTTTTGGGCTAGCAGGAGGAATTCATGGTGAGCAAGGGCGAGGAG 3’ | This study |
| ER12-MCR-rev2 | 5’ CACTGGAGGAGCCTGCTTTTTTGTACAAACTTGTTGACTTGTACAGCTCGTCCATG 3’ | This study |
| μNSmCherry fwd | 5’ CACAGGTTGCTCCGGGCTATGAAATAGAAAAATGAATCCGTTGAAGCCTGATCGATGCATAATGTGCC 3’  | This study |
| μNSmCherry rev | 5’ AGCTCCAGCCTACACAGAGTTTGTAGAAACGCAAAAAG 3’ | This study |
| FRT\_KanR fwd | 5’ GTTTCTACAAACTCTGTGTAGGCTGGAGCTGC 3’ | This study |
| FRT\_KanR Rev | 5’ TTAAAGGTATTAAAAACAACTTTTTGTCTTTTTACCTTCCCGTTTCGCTC CTGTCAAACATGAGAATTAATTCC 3’ | This study |
| ColE1 fwd | 5’ GAGCGAAACGGGAAGGTAAAAAGACAAAAAGTTGTTTTTAATACCTTTAA CGTTCCACTGAGCGTC 3’ | This study |
| ColE1 rev | 5’ CAGGCTTCAACGGATTCATTTTTCTATTTCATAGCCCGGAGCAACCTGTG GGTTATCCACAGAATCAGG 3’ | This study |
| pAPG1 seq1 | 5’ GATCAAGCAGAGGCTGAAG 3’ | This study |
| pAPG1 seq2 | 5’ CCAGGCATCAAATTAAGC 3’ | This study |
| pAPG1 seq3 | 5’ TCTACGTGTTCCGCTTCC 3’ | This study |
| pAPG1 seq4 | 5’ TTGAAGCCTGATCGATGC 3’ | This study |
| pAPG1 seq5 | 5’ AAGATTAGCGGATCCTACC 3’ | This study |
| lacZYA\_redμNS fwd | 5’ TATGTTGTGTGGAATTGTGAGCGGATAACAATTTCACACAGGAAACAGCT ATGGTGAGCAAGGGCGA 3’ | This study |
| lacZYA\_redμNS rev | 5’ CAATTTTTATAATTTAAACTGACGATTCAACTTTATAATCTTTGAAATAA GGATCCGTCGACCTGCAG 3’ | This study |
| LacI fwd | 5’ GGCCGATTCATTAATGCAGCTGGC 3’ | This study |
| CynX rev | 5’ GGCCTGATAAGCGCAGCGTATC 3’ | This study |
| mCherry rev | 5’ GGTGCTTCACGTAGGCCTTGG 3’ | This study |
| KanR fwd | 5’ CGGAGAACCTGCGTGCAATCC 3’ | This study |
| mTagBFP2 fwd | 5’ CGGAGCTCGAATTCGGATCCTTAATTAAGCTTGTGCCCCAGTTTG3’ | This study |
| mTagBFP2 fwd | 5’ CTTTAAGAAGGAGATATACCATGAGCGAGCTGATTAAGGAGAAC3’ | This study |
| pET28\_one fwd | 5’ TCCTTAATCAGCTCGCTCATGGTATATCTCCTTCTTAAAGTTAAAC3’ | This study |
| pET28\_one rev | 5’ GGATAACCGTATTACCGCCTTTGAGTGAGCTGATACCG3’ | This study |
| pET28\_two fwd | 5’ AGCGGTATCAGCTCACTCAAAGGCGGTAATACGGTTATCC 3’ | This study |
| pET28\_two rev | 5’ TGGGGCACAAGCTTAATTAAGGATCCGAATTCGAGCTCC3’ | This study |
| pET28mTagBFP2 fwd | 5’ CTTAGTGACTCGAATTCGCGCGCCAATCCGGATATAGTTCC3’ | This study |
| pET28mTagBFP2 rev | 5’ ACTTTCTGGCTGGATGATGGACGTGAGTTTTCGTTCCACTG3’  | This study |
| cmR fwd | 5’ AGTGGAACGAAAACTCACGTCCATCATCCAGCCAGAAAGTG3’ | This study |
| cmR rev | 5’ GAACTATATCCGGATTGGCGCGCGAATTCGAGTCACTAAGG 3’ | This study |