Homology Arm Sequences

Homology arms used for λ-Red constructs. The 50 bp λ-Red sequences are shared between BL21(DE3) and DH5α and are listed once. All sequences are presented in the 5′ to 3′ direction.

λ-Red homology arms

Shared strains: *E. coli* BL21(DE3) and *E. coli* DH5α Each homology arm is 50 bp.

Target information	Details
Target name	*alaXW*
Region type	Promoter replacement
Genomic locus	「2,394,801」-「2,394,829」
Upstream homology arm sequence: TTCATTTGCCTGATTTTTCAGCGATTGAAACTACACGTTGCAATTTGCCG Downstream homology arm sequence: GCCGCCCGTCAACTCGACAAGCTTTACGTGACGGGGCTATAGCTCAGCTG	

Target information	Details
Target name	*pheU*
Region type	Copy number reduction
Genomic locus	「4,269,637」-「4,269,712」
Upstream homology arm sequence: CTGAAATTAGGTTGACGAGATGTGCAGATTACGGTTTAATGCGCCCCGTT Downstream homology arm sequence: AATTCATATAAACGGACCTCCACGGAGGTCCGTTTTTCGTTTCAGGACGC	

Target information	Details
Target name	*thrW*
Region type	Promoter replacement
Genomic locus	「267,297」-「267,325」
Upstream homology arm sequence: CGTAAATAAAACCGGGTGATGCAAAAGTAGCCATTTGATTCACAAGGCCA Downstream homology arm sequence: TGTCCACCGTGATTCACGTTCGTGAACATGTCCTTTCAGGGCCGATATAG	