

Bio-Based Production of Uroporphyrin in *Escherichia coli*

Table S1: Oligomers used in this study

Primers/oligo name	Primer/oligo sequence (5' → 3')
P001	AAGGAGGAATAGAAAATGGACTACAATCTGGCACTCG
P002	TTTCGTACCTCCTTTGCTAGCTCAGGCAACGACCTCGGC
P003	CTAGCAAAGGAGGTACGAAATATGACAGACTTAATCCAACGC
P004	ATGTAAATTTCTCCTTTGGTACCTTAACGCAGAATCTTCTTCTCAG
P005	CCAAAGGAGGAAATTTACATGTTAGACAATGTTTTAAGAATTGCCAC
P006	TAATAATCCTCCTTTGCATGCTCATGCCGGGGCGTCTCC
P007	CATGCAAAGGAGGATTATTATATGAGTATCCTTGTCACCC
P008	CTGCGGATCCTTATTGTAATGCCCCGTAAAAGC
P009	ATTACAATAAGGATCCGCAGCCCGCCTAATG
P010	TCCATTTTCTATTCTCCTTTAATTGTTATCCGCTC
P011	GGATCCGCAGCCCGCCTAATG
P012	TCAGGCAACGACCTCGGCG
P013	TTAACGCAGAATCTTCTTCTCAGCC
P014	CCCGGCATGAGGATCCGCAGCCCGCCTAATGAGC
P015	CTGCGGATCCTCATGCCGGGGCGTCTCCGTTATAG
P016	CCAAAGGAGGAAATTTACATGATGAGAACGATTAAAGTAGG
P017	CTGCGGATCCTCATTTCATCCTCGTCAAGC
P018	TGGAAAATGAGGATCCGCAGCCCGCCTAATGAGC
P019	GTCCATTTTCTATTCTCCTTTAATTGTTATCCGC
P020	TACCAAAGGAGGAAATTTACATGAGTATCCTTGTCACCCG
P021	GTCCATTTTCTATTCTCCTTTAATTGTTATCCG