Table S2. Primer sequences. For cloning primers, the XhoI and SacI restriction sites are indicated in red.

| name F       | name R       | gene name               | gene code (ncbi)                                      | sequence F / R                                                                 | amplicon size (pb) |
|--------------|--------------|-------------------------|-------------------------------------------------------|-------------------------------------------------------------------------------|--------------------|
| 16S 341F     | 16S 805R     | 16S                     |                                                       | CCTACGGGNGGCWGCGAG / GACTACHVGGGTATCTAATCC                                      |                    |
| M13_F        | M13_R        | plasmid                 |                                                       | GTAAACGACGGCCAG / CAGGAAACAGCTATGAC                                           |                    |
| DeoR\_XhoI\_FOR | DeoR\_SacI\_REV | DeoR/GlpR transcriptional regulator | WP\_015377979.1                                      | TTA\_CTCGAGATGATCAATACCGAAAAACG / TTA\_GAGCTTTTGAACCGCGGTTAATCG               | 771                |
| NMLTO\_XhoI\_FOR | NMLTO\_SacI\_REV | N-methyl-L-tryptophan oxidase | WP\_015377443.1                                      | TTA\_CTCGAGATGATCGACACCGCC / TTA\_GAGCTTTAGGCTAGCTCTCCAGA                      | 1029               |
| S9\_Pept\_XhoI\_FOR | S9\_Pept\_SacI\_REV | S9 family peptidase     | WP\_015377748.1                                      | TTA\_CTCGAGATGACTTCCATTACCCACAG / TTA\_GAGCTTTACGCTGACTTGGGTTT                | 2094               |
| TolA\_XhoI\_FOR | TolA\_SacI\_REV | Hypothetical protein - Cell envelope integrity protein TolA | WP\_015379201.1                                      | TTA\_CTCGAGATGACCGCAGCTCAAAAC / TTA\_GAGCTTTACACCTTCTCCAACCTTT                | 2232               |
| RNA\_Chap\_XhoI\_FOR | RNA\_Chap\_SacI\_REV | RNA chaperone Hfq       | WP\_004933678.1                                      | TTA\_CTCGAGATGGCTAAGGGGCAATCTTGG / TTA\_GAGCTTTACCGCTCAGCTCTTT                  | 309                |
| ASL\_XhoI\_FOR | ASL\_SacI\_REV | Argininosuccinate lyase | WP\_015379406.1                                      | TTA\_CTCGAGATGGCCTTGGGGCGGCG / TTA\_GAGCTTTCAAGCGAAACCGGCTGCTGGGTTT            | 1374               |
| HYP\_XhoI\_FOR | HYP\_SacI\_REV | Hypothetical protein    |                                                       | TTA\_CTCGAGATGACAGAAAAACATCTATATCTG / TTA\_GAGCTTTACCTTGGCGGAAGGTT            | 462                |