

## Amplification primers and amplicon length

| Loci         | Forward primers (5'-3') | Reverse primers (5'-3')   | Amplicon (bp) |
|--------------|-------------------------|---------------------------|---------------|
| <i>aroE</i>  | GTGATTGGCCATCCAGTG      | CGCTGTGGACCTCAAAAC        | 762           |
| <i>atpD</i>  | AATTACCCCCGAGACGAA      | CGTGTTCTGGGACAGGAA        | 1261          |
| <i>guaA</i>  | TCGCCTTCATGGAACAAC      | CCATAAGTACGCCCCGTCA       | 1384          |
| <i>lepA</i>  | TCGCGCCCAGTACTTAGA      | CGGATTTCCACTCGATCA        | 1218          |
| <i>sodA</i>  | TGGAAGTGCACCATGACA      | GCTAACGACGTTCCACCA        | 488           |
| <i>gmk</i>   | TAGCCATCCGGAGATCGT      | GCGCAACTGCGTGATCTA        | 444           |
| <i>tly</i>   | CAGGACGTGATGGCAATGCGA   | TCGTTTACAAGACCACAGTAGC    | 909           |
| <i>camp2</i> | GTCGTAGCCATACACCACACG   | GCACCGAGTGTTGATGTCAATTAGC | 1015          |

## Sequencing primers and product length

| Loci         | Forward primers (5'-3') | Reverse primers (5'-3')   | Product (bp) |
|--------------|-------------------------|---------------------------|--------------|
| <i>aroE</i>  | GGGCTATCAGTGACGATG      | GATCTTCAGCACGCCTTA        | 424          |
| <i>atpD</i>  | TAAGGGTCACGTCTGGAA      | ACATCGCGGAAGTACTCA        | 453          |
| <i>gmk</i>   | AGATCGTCGTTTCCAGGT      | ACAACGGCGTCAAATTC         | 400          |
| <i>guaA</i>  | GCGTTTGAAGACGTTGAG      | GCTGGTCAGCATTGAGAC        | 493          |
| <i>lepA</i>  | GTCAAGGATGTCCGTCAA      | GCAGGACTGAGAATGGTG        | 452          |
| <i>sodA</i>  | ACAAGCACCACAACACCT      | TAACGTAGTCGGCCTTGA        | 450          |
| <i>tly</i>   | CAGGACGTGATGGCAATGCGA   | TCGTTTACAAGACCACAGTAGC    | 777          |
| <i>camp2</i> | GTCGTAGCCATACACCACACG   | GCACCGAGTGTTGATGTCAATTAGC | 804          |