**Supplementary File 3: Unique mutations present in Δ*mlaC, obgE::kan,* pMMB67EH-*obgE\****

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Gene** | **Mutation** | **Impact** | **Frequency** | **Function** |
| A1S\_0238 | C>T | Q137S | 100% | *thrC* |
| A1S\_1979 | Insertion >T | \*K84fs | 100% | *adeN* |
| A > Deletion | \*K15fs | 100% | *adeN* |
| A1S\_2858 | T > Deletion | N104fs | 100% | Hypothetical methyltransferase |

**\***Identified in one of two mutants generated