|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Strain** | **position** | **mutation** | **annotation** | **gene** | **description** |
| Glutaux +alaA mutant 1 | 1,238,253 | (TATTGAGCGTATCTGGAGCGCGATCG)1→2  | coding (151/1071 nt) | *dadX* → | alanine racemase 2 |
| Glutaux +alaA mutant 2  | 1,238,923 | Δ1 bp | coding (821/1071 nt) | *dadX* → | alanine racemase 2 |