|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Strain name** | **Parent strain** | **Mutagen** | **Flagella type** | **Putative responsible gene(s) for Pof** | **Mutant categories****for Pof** | **reference** | **Total　Number of mutations** |
| **138-2****138-2** | **-** | **-** | **Pof+, Laf+** | **-** | **normal** | **1** | **parental strain** |
| **VIO5** | **VIK4** | **EMS** | **Pof+, Laf-** | **-** | **normal** | **2** | **4** |
| **YM4** | **138-2** | **UV** | **Pof+, Laf-** | **-** | **normal** | **3** | **14** |
| **YM19** | **YM18** | **UV** | **Pof-, Laf+** | **flhA** | **Fla-** | **3** | **13** |
| **YM51** | **YM5** | **UV** | **Pof-, Laf-** | **rpoN** | **Fla-**  | **4** | **15** |
| **KK148** | **NMB201** | **EMS** | **Pof+, Laf-** | **flhG** | **Pofm** | **5** | **23** |
| **NMB75** | **YM4** | **EMS** | **Pof+, Laf-** | **cheR** | **Che-** | **6** | **23** |
| **NMB82** | **YM4** | **EMS** | **Pof+, Laf-** | **cheA** | **Che-** | **6** | **27** |
| **NMB88** | **YM4** | **EMS** | **Pof+, Laf-** | **fliM** | **Che- (CCW fixed)** | **6** | **26** |
| **NMB91** | **YM4** | **EMS** | **Pof+, Laf-** | **zomB** | **Che-** | **6** | **27** |
| **NMB93** | **YM4** | **EMS** | **Pof+, Laf-** | **cheY** | **Che-** | **6** | **25** |
| **NMB95** | **YM4** | **EMS** | **Pof+, Laf-** | **fliM** | **Che- (CCW fixed)** | **6** | **38** |
| **NMB98** | **YM4** | **EMS** | **Pof+, Laf-** | **zomB** | **Che-** | **6** | **28** |
| **NMB99** | **YM4** | **EMS** | **Pof+, Laf-** | **fliM** | **Che- (CCW fixed)** | **6** | **40** |
| **NMB102** | **YM4** | **EMS** | **Pof+, Laf-** | **fliM** | **Che- (CW fixed)** | **6**  | **40** |
| **NMB103** | **YM4** | **EMS** | **Pof-, Laf-** | **flgL** | **Fla-** | **4, 6** | **26** |
| **NMB105** | **YM4** | **EMS** | **Pof+, Laf-** | **cheA** | **Che-** | **6** | **46** |
| **NMB106** | **YM4** | **EMS** | **Pof+, Laf-** | **fliM** | **Che- (CCW fixed)** | **6** | **76** |
| **NMB111** | **YM4** | **EMS** | **Pof+, Laf-** | **flhG** | **Che-** | **6** | **32** |
| **NMB116** | **YM4** | **EMS** | **Pof-, Laf-** | **flgL** | **Pof-** | **4, 6** | **38** |
| **NMB136** | **VIO5** | **EMS** | **Pof+, Laf-** | **cheY** | **Che- (CW fixed)** | **7** | **31** |
|  |  |
| **NMB155** | **VIO5** | **EMS** | **Pof+, Laf-** | **fliM** | **Pofm**  | **8** | **18** |
|  |  |