**Supplemental Table S6:** **Genes coding for flagellum of the *I. fonsfrigidae* strain SP3-1 and *I. fonsfrigidae* NS-1T.**

|  |  |  |
| --- | --- | --- |
| **Flagellar Assembly gene** | **SP3-1** | **NS-1T** |
| Basal body | *fliE* | *fliE* |
| *fliF* | *fliF* |
| *fliG* | *fliG* |
| *fliH* | *fliH* |
| *fliI* | *fliI* |
| *fliJ* | *fliJ* |
| *fliK* | *fliK* |
| *fliL* | *fliL* |
| *fliM* | *fliM* |
| *fliN* | *fliN* |
| *fliO* | *fliO* |
| *fliP* | *fliP* |
| *fliQ* | *fliQ* |
| *fliR* | *fliR* |
| ND | *flhA* |
| *flhB* | *flhB* |
| Hook | *flgA* | *flgA* |
| *flgB* | *flgB* |
| *flgC* | *flgC* |
| *flgD* | *flgD* |
| *flgE* | *flgE* |
| *flgF* | *flgF* |
| *flgG* | *flgG* |
| *flgH* | *flgH* |
| *flgI* | *flgI* |
| ND | *flgJ* |
| Hook-filament junction | *flgK* | *flgK* |
| *flgL* | *flgL* |
| Filament | *fliC* | *fliC* |
| Filament cap, chaperone | *fliD* | *fliD* |
| *fliS* | *fliS* |
| Regulator | *flgM* | *flgM* |

ND, indicates not detected