**Table 1: Characteristics of *Myxococcus xanthus* proteins**

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| --- | --- | --- | --- | --- |
| *M. xanthus* locus | Kill system | Function | Domain (InterPro) | Prediction method |
| MXAN\_RS15035  (MXAN\_3102) |  | Unknown function | Cytochrome cd1 nitrite reductase | Bs : Proteome-BLAST |
| MXAN\_RS15040 (MXAN\_3103) |  | Unknown function | YWTD domain |  |
| MXAN\_RS15045 (MXAN\_3104) |  | Unknown function | FHA domain |  |
| MXAN\_RS15050 (MXAN\_3105) | KilA | Prepilin peptidase | Prepilin type IV endopeptidase, peptidase domain | Bb : domain comparison Cv : Proteome-BLAST  Bs : Proteome-BLAST |
| MXAN\_RS15055 (MXAN\_3106) | KilC | Secretin | BON domain ; Pilus formation protein, N-terminal ; secretin | Bb : Proteome-BLAST  Cv : Proteome-BLAST  Bs : Proteome-BLAST |
| MXAN\_RS15060 (MXAN\_3107) | KilF | ATPase | FHA domain ; P-loop containing nucleoside triphosphate hydrolase | Bb : Proteome-BLAST  Cv : Proteome-BLAST  Bs : Proteome-BLAST |
| MXAN\_RS15065 (MXAN\_3108) | KilD | Cytoplasmic multidomain protein | FHA domain ; Tetratricopeptide repeat | Bb : HHPRED |
| MXAN\_RS22520 (MXAN\_4639) |  | Unknown function | Tetratricopeptide repeat | Cv : Proteome-BLAST |
| MXAN\_RS22565(MXAN\_4648) |  | Protein kinase G 1.6E-18 | FHA domain ; Tetratricopeptide repeat | Bs : Proteome-BLAST |
| MXAN\_RS22570 (MXAN\_4649) |  | Type III secretion system protein PrgH-EprH (PrgH) 4.1E-10 | FHA domain | Bs : operon- BLAST |
| MXAN\_RS22575  (MXAN\_4650) | KilH | Inner-membrane platform protein | GspF domain | Bb : Proteome-BLAST  Cv : Proteome-BLAST Bs : operon- BLAST |
| MXAN\_RS22580 (MXAN\_4651) | KilG | Inner-membrane platform protein | GspF domain | Bb : Proteome-BLAST  Cv : Proteome-BLAST Bs : operon- BLAST |
| MXAN\_RS22585 (MXAN\_4652) | KilB | Outer-membrane protein, pilus assembly | SAF domain ; RcpC/CpaB domain | Bb : Proteome-BLAST  Cv : Proteome-BLAST  Bs : Proteome-BLAST |
| MXAN\_RS22590(MXAN\_4653) |  | Unknown function | X |  |
| MXAN\_RS22595(MXAN\_4654) |  | Unknown function | X |  |
| MXAN\_RS22600 (MXAN\_4655) | KilK | Pilin | X | Bb : operon- BLAST |
| MXAN\_RS22605 (MXAN\_4656) |  | Unknown function | X |  |
| MXAN\_RS22610 (MXAN\_4657) |  | Unknown function | X |  |
| MXAN\_RS22615 (MXAN\_4658) | KilL | Minor pilin | X | Bb : HHPRED  Cv : Proteome-BLAST |
| MXAN\_RS22620 (MXAN\_4659) |  | Unknown function | Putative Flp pilus-assembly TadG-like, N-terminal |  |
| MXAN\_RS22625 (MXAN\_4660) | KilM | Minor pilin | X | Bb : HHPRED Bs : Proteome-BLAST |
| MXAN\_RS22630 (MXAN\_4661) |  | Unknown function | Putative zinc-finger |  |

HHPRED