**Table S1. Bioinformatic analysis of the Glt and the Nfs clusters.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Protein in the Glt complex** | **Paralog in the Nfs complex** | **Identities** | **Positives** | **Functional domain (Pfam)** | **Signal peptide** | **Transmembrane domain** | **Lipoprotein signal peptide** |
| GltA (MXAN\_2540) | NfsA (MXAN\_3371) | 29 % | 43 % | OmpA-like transmembrane domain | + | - | **-** |
| GltB (MXAN\_2539) | NfsB (MXAN\_3372) | 30 % | 46 % | - | + | - | - |
| GltC (MXAN\_2541) | NfsC (MXAN\_3373) | 23 % | 45 % | Tetratricopeptide repeat | + | - | - |
| GltD (MXAN\_4870) | NfsD (MXAN\_3374) | 28 % | 46 % | Tetratricopeptide repeat | + | - | - |
| GltE (MXAN\_4869) | NfsE (MXAN\_3375) | 28 % | 47 % | Tetratricopeptide repeat | + | - | + |
| GltF (MXAN\_4868) | NfsF (MXAN\_3376) | 42 % | 70 % | - | + | - | - |
| GltG (MXAN\_4867) | NfsG (MXAN\_3377) | 35 % | 50 % | FHA domain Gram-negative; bacterial TonB protein | - | + | - |
| GltH (MXAN\_4866) | NfsH (MXAN\_3378) | 28 % | 43 % | Autotransporter β-domain | + | - | - |
| GltI (MXAN\_4863) | - | - | - | Tetratricopeptide repeat | - | - | - |
| GltJ (MXAN\_4862) | - | - | - | - | - | + | - |
| GltK (MXAN\_2538) | - | - | - | - | + | - | + |