**Table S4.a and S4.b. TatFind (a) and FlaFind (b) positive ORFs in the *T. tenax* genome.** The tools TatFind (<http://signalfind.org/tatfind.html>) [72] and FlaFind (http://signalfind.org/flafind.html) [75] have been applied.

**Table S4.a.**

|  |  |  |
| --- | --- | --- |
| **ORF ID** | **Gene** | **Proposed function** |
| TTX\_0031 | hynS | Ni,Fe-hydrogenase I small subunit  |
| TTX\_0046 | sreA1 | sulfur (polysulfide) reductase, large subunit A, Mo-FeS protein |
| TTX\_0091 | argF | ornithine carbamoyltransferase |
| TTX\_0319 | soxL | Rieske iron-sulfur protein |
| TTX\_0365 |  | hypothetical protein |
| TTX\_0393 | livK | ABC-type branched-chain amino acid transport system, periplasmic component |
| TTX\_1203 | fdhA | formate dehydrogenase alpha subunit |

**Table S4.b**

|  |  |  |
| --- | --- | --- |
| **ORF ID** | **Gene** | **Proposed function** |
| TTX\_0113 | arsA2 | anion (arsenite)-transporting ATPase |
| TTX\_0295 |  | hypothetical protein |
| TTX\_0321 | cbsA | cytochrome b558/566, subunit A |
| TTX\_0332 |  | hypothetical protein  |
| TTX\_0451 |  | Uncharacterized conserved membrane protein |
| TTX\_0498 |  | hypothetical protein |
| TTX\_0723 |  | conserved hypothetical protein |
| TTX\_0876 |  | fragment of inactivated transposase |
| TTX\_0966 |  | predicted membrane component of Type II/IV secretion |
| TTX\_0967 |  | pilin-like component of Type II/IV secretion system, PilA family |
| TTX\_0970 |  | predicted component of Type II/IV secretion system |
| TTX\_1130 |  | Type II/IV secretion system component, FlgK family |
| TTX\_1306 |  | hypothetical protein |
| TTX\_1846 |  | conserved hypothetical protein |
| TTX\_2041 |  | conserved hypothetical protein |