**Table S3.** Summary of putative transcription site mapping. [Note that the published sequences need references added.]

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Strain** | **Gene** | **Putative TS\*** | **-35** | **-10** |
| *M. trichosporium* OB3b | *pmoC* | -273 | **TTG**T**CA** | AATGGTTG |
|  | *pmoC* | -324 | **ttg**tgc | tcctacccTA |
|  | *mxaF* | -156 | CA**GACA** | **TATA**TG |
|  | *fae1* | -214 | **TT**CGAT | **TATA**AT |
|  | *pqqA* | -90 | **TTG**CAC | GC**TAAT** |
| *Methylocystis* sp. M1 | *pmoC* |  | **TTG**T**CA** | GA**AT**GG**T**TG |
| *M.extorquens* AM12 | *mxaF* |  | AA**GACA** | **TA**G**AA**A |
|  | *mxaW* |  | **TTG**GCA | ACCCAT |
| *E. coli 3* | σ70 |  | **TTGACA** | **TATAAT** |
|  | σ32 |  | TCTCNCCCTTGAA |  |
|  | σ54 |  | CTGGNA | TTGCA |
|  | σ28 |  | CTAAA | CCGATAT |

1 Holmes *et al.*, 1995 (see Ref)

2. Zhang, M., and Lidstrom, M.E. (2003) Microbiol 149:1033-40.

3. [Harley, C.B](http://www.ncbi.nlm.nih.gov/pubmed?term=Harley%20CB%5BAuthor%5D&cauthor=true&cauthor_uid=3550697)., and [Reynolds, R.P](http://www.ncbi.nlm.nih.gov/pubmed?term=Reynolds%20RP%5BAuthor%5D&cauthor=true&cauthor_uid=3550697). 1987, Nucleic Acids Res. 11:2343-61

**Table S4.** Summary of RNA-seq (Illumina) reads

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Reads Mapped | | % of Reads Mapped | |
|  | Replicate 1 | Replicate 2 | Replicate 1 | Replicate 2 |
| Coding sequences | 3.652\*106 | 1.546\*106 | 13.3 | 5.44 |
| Noncoding sequences | 2.935\*105 | 1.396.\*105 | 1.07 | 0.49 |
| rRNA | 2.359\*107 | 2.671\*107 | 85.6 | 94.0 |
| tRNA | 7.937\*103 | 4.095\*103 | 0.029 | 0.0014 |

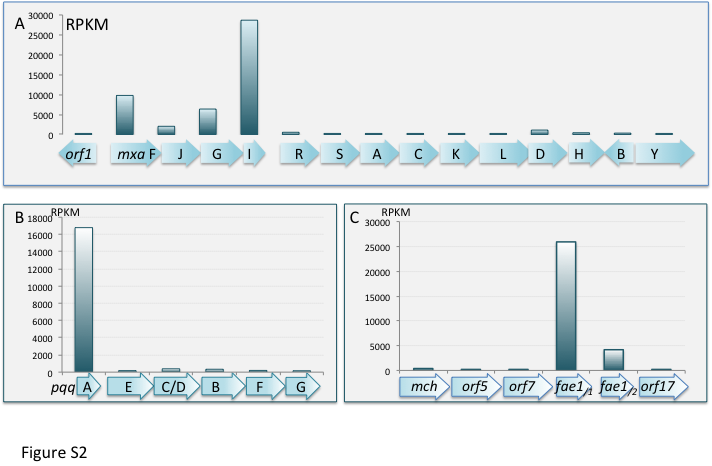
**Table S5.** Genes removed from reference scaffold before alignment

|  |  |
| --- | --- |
| **Locus tag** | **Comment** |
| METTOv1\_1600001 | chimeric sequence/ METTOv1\_870001 and METTOv1\_870003 |
| METTOv1\_820016 | protein of unknown function |
| METTOv1\_150030 | protein of unknown function |
| METTOv1\_300034 | protein of unknown function/gltD operon |
| METTOv1\_1650001 | chimeric sequence/part of METATv1\_30343 and METATv1\_30340 |
| METTOv1\_140042 | chimeric protein/part of METTOv1\_140043 |
| METTOv1\_1700001 | chimeric sequence/METTOv1\_870001 and METTOv1\_870003 |
| METTOv1\_10052 | chimeric protein/part of METTOv1\_10051 |
| METTOv1\_200054 | chimeric protein/part of METTOv1\_200053 |
| METTOv1\_600024 | exported protein of unknown function |
| METTOv1\_370034 | protein of unknown function |
| METTOv1\_200053 | protein of unknown function |
| METTOv1\_720016 | protein of unknown function |
| METTOv1\_450003 | protein of unknown function |
| METTOv1\_590015 | protein of unknown function |
| METTOv1\_360021 | protein of unknown function |
| METTOv1\_800023 | protein of unknown function//part of transposase IS3/IS911 |
| METTOv1\_760015 | protein of unknown function |
| METTOv1\_270007 | protein of unknown function |
| METTOv1\_210063 | protein of unknown function |
| METTOv1\_10194 | protein of unknown function |
| METTOv1\_200055 | protein of unknown function |
| METTOv1\_450005 | protein of unknown function |
| METTOv1\_1280001 | protein of unknown function |
| METTOv1\_1050002 | protein of unknown function |
| METTOv1\_160016 | protein of unknown function |
| METTOv1\_200057 | protein of unknown function |
| METTOv1\_260041 | protein of unknown function |
| METTOv1\_600022 | exported protein of unknown function |
| METTOv1\_870007 | protein of unknown function |
| METTOv1\_260040 | protein of unknown function |
| METTOv1\_90064 | protein of unknown function |
| METTOv1\_30137 | exported protein of unknown function |
| METTOv1\_590023 | protein of unknown function |
| METTOv1\_250030 | protein of unknown function |
| METTOv1\_360046 | protein of unknown function |
| METTOv1\_830011 | protein of unknown function |

Supplemental Figure S1



Supplemental Figure S2



Supplemental Figure S3



Supplemental Figure S4



Supplemental Figure S5

