**Table S1 Putative repressors of *esrB* as identified by Tn-seq**

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| --- | --- | --- | --- | --- |
| **CDS** | **Gene** | **Annotation** | **Fold****(Output/Input)** | ***p* value** |
| ETAE\_0749 | *lpxA* | UDP-N-acetylglucosamine acyltransferase | ∞ | 0.014179 |
| ETAE\_3561 | *rpsK* | ribosomal subunit protein S11 | ∞ | 0.045869 |
| ETAE\_0035 |  | putative Zn peptidase | 10.56 | 0.011381 |
| ETAE\_2873 | *rpoS* | RNA polymerase sigma factor | 7.95 | 0.041361 |
| ETAE\_0154 | *hemB* | delta-aminolevulinic acid dehydratase | 4.56 | 0.003064 |
| ETAE\_0743 | *cdsA* | CDP-diglyceride synthetase | 3.96 | 0.028112 |
| ETAE\_2082 | *pyrF* | OMP decarboxylase; OMPDCase; OMPdecase | 3.53 | 0.047763 |
| ETAE\_1096 | *dapA* | dihydrodipicolinate synthase | 3.14 | 0.013304 |
| ETAE\_2697 | *cysS* | cysteinyl-tRNA synthetase | 2.92 | 0.022471 |
| ETAE\_1760 |  | IS629 orfA | 2.48 | 0.040753 |
| ETAE\_1837 |  | hypothetical protein | 2.37 | 0.007016 |
| ETAE\_1202 | *ugd* | UDP-glucose 6-dehydrogenase | 2.36 | 0.022232 |
| ETAE\_2640 | *holA* | DNA polymerase III subunit delta | 2.36 | 0.004506 |
| ETAE\_1439 | *ruvA* | holliday junction resolvasome, DNA-binding subunit | 2.34 | 0.036119 |
| ETAE\_0358 | *purA* | adenylosuccinate synthase | 2.23 | 0.006692 |
| ETAE\_2813 | *iscA* | iron-sulfur cluster assembly protein | 2.23 | 0.030817 |
| ETAE\_2787 | *guaB* | inositol-5-monophosphate dehydrogenase | 2.22 | 0.013466 |
| ETAE\_1412 |  | hypothetical protein | 2.10 | 0.013701 |
| ETAE\_0430 |  | putative membrane-associated protein | 2.08 | 0.00723 |
| ETAE\_0659 | *aceE* | pyruvate dehydrogenase subunit E1 | 2.04 | 0.016385 |
| ETAE\_2773 | *mtnN* | 5'-methylthioadenosine/S-adenosylhomocysteine nucleosidase | 2.03 | 0.027142 |
| ETAE\_2468 |  | hypothetical protein | 2.02 | 0.034098 |
| ETAE\_1614 |  | regulatory prophage protein cI | 2.02 | 0.005862 |