CLUSTER G

-3.0 1.1 3.0

SMa1077  NtrC1 Symbiotically induced conserved protein
SMb20020  Conserved hypothetical protein
SMb20049  epsV Putative pyruvateformate lyase protein
SMb20054  epsH D-ribulose-5-phosphate 3-epimerase protein
SMb20060  epsG D-ribulose-5-phosphate 3-epimerase protein
SMc00002  Putative hypothetical protein
SMc00011  GlnA Transmembrane protein
SMc01321  Hypothetical protein
SMc01529  Hypothetical protein
SMc01580  Hypothetical transmembrane protein
SMc01765  Hypothetical transmembrane protein
SMc01800  Hypothetical transmembrane protein
SMc01934  sipX Probable ATP-dependent CLP Protease ATP-binding subunit protein
SMc02552  Conserved hypothetical protein
SMc02559  Conserved hypothetical protein
SMc02885  degP1 Protease precursor protein
SMc03050  Putative transcription regulator protein
SMc03290  sipE Transcriptional regulator protein
SMc03855  Hypothetical transmembrane protein
SMc04128  Putative heavy metal transporting ATPase protein
SMc04850  Putative multidrug efflux system transmembrane protein
CLUSTER I

-3.0  0  1.1  3.0

SMa1223  FixN1 Heme α / copper cytochrome c oxidase subunit
SMa1243  Azu1 pseudazurin (blue copper protein)
SMo00841  smc? Putative D-glycero-D-galacto-3-dehydratase protein
SMo01225  Putative transcription regulator protein
SMo02202  Hypothetical protein
SMo03230  Hypothetical protein
CLUSTER K

-3.0  0  1.1  3.0

<table>
<thead>
<tr>
<th>Gene ID</th>
<th>Function</th>
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<tbody>
<tr>
<td>SM120433</td>
<td>Putative nitrate transporter protein</td>
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<tr>
<td>SM120435</td>
<td>Putative uracil-amidophosphoribosyltransferase component protein</td>
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<tr>
<td>SM120884</td>
<td>Putative nitrite reductase (NADPH), large subunit protein</td>
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<tr>
<td>SM120885</td>
<td>n/o Putative nitrite reductase (NAD(P)H), small subunit protein</td>
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<td>SM120883</td>
<td>n/o Putative nitrate reductase, large subunit protein</td>
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<td>SM121707</td>
<td>Putative uracil-amidophosphoribosyltransferase component protein</td>
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<tr>
<td>SM162854</td>
<td>Hypothetical transmembrane protein</td>
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