

Table S3. Peptide count of substrate-related transporter

| Locus tag | Gene name | Predicted function | Substrate used for adaptation ^a | | | | | | | | | | | | | | |
|-------------|--------------|--|--|-----|-----|-----|-----|-----|------|-----|-----|-----|-----|-----|------|-----|--|
| | | | Glc | Gal | Frc | Man | Rha | Fuc | GlcA | Ara | Xyl | Mal | Lac | Suc | αCyc | Xln | |
| BVU_RS01815 | <i>glcU</i> | Glucose transporter (GRP) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| BVU_RS11700 | <i>glcT</i> | Glucose/galactose transporter (MFS) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| BVU_RS08460 | <i>fruP</i> | Glucose/galactose transporter (MFS) | - | - | 3 | - | - | - | - | - | - | - | - | - | - | - | |
| BVU_RS06945 | <i>fucP1</i> | L-Fucose:H ⁺ symporter | - | - | - | - | - | 12 | - | - | - | - | - | - | - | 2 | |
| BVU_RS01125 | <i>fucP2</i> | L-Fucose:H ⁺ symporter | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| BVU_RS13120 | <i>fucP3</i> | Fucose transporter (MFS) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| BVU_RS03030 | <i>rhaT</i> | L-Rhamnose:H ⁺ symporter | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| BVU_RS20420 | <i>xylE1</i> | D-Xylose transporter | - | - | - | - | - | - | - | - | - | - | - | - | - | 15 | |
| BVU_RS03810 | <i>xylE2</i> | Xylose:H ⁺ symporter (MFS) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| BVU_RS06840 | <i>araJ</i> | Arabinose permease | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| BVU_RS11685 | <i>araP</i> | Arabinose:Na ⁺ symporter | - | - | - | - | - | - | 22 | - | - | - | - | - | - | 37 | |
| BVU_RS09105 | <i>hexT</i> | Glucuronate transporter | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| BVU_RS07015 | <i>malP</i> | Maltose/maltooligosaccharide transporter (MFS) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| BVU_RS13155 | <i>lacY</i> | Lactose permease | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| BVU_RS00225 | <i>xynT</i> | Xylooligosaccharide:cation symporter | - | - | - | - | - | - | - | - | - | - | - | - | - | 77 | |
| BVU_RS19895 | | Polysaccharidephosphate transport system (ABC) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| BVU_RS07015 | | Sugar transporter (MFS) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| BVU_RS19525 | | Putative sugar transporter (MFS) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |
| BVU_RS13825 | | Putative sugar transporter (MFS) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | |

^a given numbers indicate peptide counts of identified proteins