**Table 3** (Kümmel et al.)

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| identifier | accession ID | putative function | gene name / reference | EgN1 | MicN1 | SobN1 | EgN2 (sed) | EgN2 (sup) | GölN1 (sed) | GölN1 (sup) |
| A | gi|308273914 | Carboxylation alpha subunit candidate | (Bergmann*, et al.*, 2011a) | \*\* | \* | \*\* | \* |  |  |  |
| gi|308273908 | Carboxylation beta subunit candidates | \*\* |  | \*\* | \*\* |  |  |  |
| gi|308273910 | \*\* |  | \*\* | \* |  |  |  |
| B | gi|308272314 | 2-Naphthoate-CoA-ligase candidates | (Bergmann*, et al.*, 2011a) | \*\* |  | \*\* |  |  |  |  |
| gi|308273028 |  |  | \*\* |  |  |  |  |
| I | gi|282936080 | Naphthyl-2-methyl-succinate synthase | NmsABC | \*\* |  | \*\* | \* |  |  |  |
| gi|282936078 | \* |  | \* |  |  |  |  |
| gi|282936076 |  |  | \* |  |  |  |  |
| II | gi|282936098 | Naphthyl-2-methyl-succinate CoA transferase | BnsE | \*\* |  | \*\* |  |  |  |  |
| III | gi|282936094 | Naphthyl-2-methyl-succinyl-CoA dehydrogenase | BnsG | \*\* |  | \*\* |  |  |  |  |
| IV | gi|282936092 | Naphthyl-2-hydroxymethyl-succinyl-CoA hydratase | BnsH | \*\* |  | \*\* |  |  |  |  |
| V | gi|282936102 | Naphthyl-2-hydroxymethyl-succinyl-CoA dehydrogenase | BnsCD | \*\* |  | \*\* |  |  |  |  |
| gi|282936100 | \*\* |  | \*\* |  |  |  |  |
| VI | gi|282936104 | Naphthyl-2-oxomethyl-succinyl-CoA thiolase | BnsAB | \*\* |  | \*\* |  |  |  |  |
| gi|282936106 | \*\* |  | \*\* |  |  |  |  |
| VII | gi|308271890 | Naphthoyl-CoA reductase | (Eberlein*, et al.*, 2013a) | \*\* | \* | \*\* | \* |  |  |  |
| VIII | gi|282936120 | 2-naphthoyl-CoA reductase | NcrABCD (Eberlein*, et al.*, 2013b) | \*\* | \* | \*\* | \*\* | \* |  |  |
| gi|282936118 | \*\* |  | \*\* | \* |  |  |  |
| gi|282936116 | \*\* |  | \*\* |  |  |  |  |
| gi|282936122 | \*\* |  | \*\* | \*\* |  |  |  |
| IX | See S2.xlsx | Diverse pyruvate flavodoxin/ferredoxin oxidoreductases |  | \*\* | \*\* | \*\* | \* | \* | \* | \*\* |
| X | See S2.xlsx | Wood-Ljungdahl pathway | X | \*\* | \*\* | \*\* | \* | \* |  | \*\* |

\*\* = two or more peptides in at least one replicate, \* = at least one peptide in one replicate, sup = supernatant, sed = sediment