**Supplementary Table 1: Physiological properties.** Selected phenotypic characteristics of host bacteria as indicated by API identification system.

|  |  |
| --- | --- |
| Substrate | **Test organisms** |
| **HS32** | **HS61** | **HS123** | **HS125** | **HS126** | **HS132** | **HS136** | **HS140** | **HS171** |
| **API 20NE** |
| Indole production | + | ++ | - | + | ++ | + | ++ | + | + |
| Glucose fermentation | + | - | + | - | + | + | - | - | + |
| Arginine dihydrolase | + | - | + | + | + | ++ | - | + | + |
| Urease production | + | - | + | + | - | + | - | + | ++ |
| Esculin hydrolysis | ++ | ++ | ++ | ++ | ++ | + | + | ++ | ++ |
| Gelatin hydrolysis | ++ | + | - | + | + | + | - | + | ++ |
| **API ZYM** |
| Alkaline phosphatase | + | + | ++ | ++ | ++ | ++ | ++ | ++ | ++ |
| Esterase C4 | + | + | + | ++ | ++ | + | + | + | + |
| Lipase C8 | - | + | ++ | ++ | ++ | + | + | + | + |
| Leucine aminopeptidase | + | ++ | ++ | ++ | ++ | ++ | ++ | ++ | ++ |
| Valine aminopeptidase | + | ++ | - | ++ | ++ | + | + | + | ++ |
| Cystine aminopeptidase | - | ++ | - | + | ++ | + | - | + | - |
| Trypsin | - | + | - | ++ | ++ | - | + | + | ++ |
| α -galactosidase | ++ | - | + | ++ | - | - | ++ | - | - |
| β -galactosidase | ++ | - | ++ | ++ | + | ++ | - | - | - |
| α-glucosidase | + | ++ | ++ | ++ | + | ++ | ++ | ++ | - |
| β -glucosidase | ++ | ++ | ++ | ++ | ++ | ++ | + | - | - |

Key: -, no reaction; +, good; ++, excellent.