|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| isolation | B1 | B2 | B3 | B4 | F1 | F2 | Closest cultivated species (GenBank accession no.) | Similarity (%) |
| EA006 | - | - | - | - | - | - | *S. canus* NBRC 12872 (NR\_041085.1) | 99.55 |
| EA007 | - | - | - | - | - | - | *S.* *osmaniensis* (LC136922.1) | 99.40 |
| EA009 | - | - | - | - | - | - | *S.* *thermocarboxydus* NBRC 16323 (AB249926.1) | 99.85 |
| EA012 | - | - | - | - | - | - | *S.* *polychromogenes* subsp. arenicolus NBRC 13872 (AB184541.1) | 99.93 |
| EA021 | - | - | - | - | - | - | *S.* *fimicarius* NBRC 13037 (NR\_112347.1) | 100 |
| EA024 | - | **+** | - | - | - | - | *S.* *dioscori* (MF100125.1) | 99.48 |
| EA039 | - | **+** | - | - | - | - | *S. canus* NBRC 12872 (NR\_041085.1) | 99.71 |
| EA040 | - | - | - | - | - | - | *S.* *glaucescens* DSM 40716 (X79322.1) | 99.12 |
| EA043 | - | **+** | - | - | - | - | *S.* *albogriseolus* NBRC 3709 (NR\_112489.1) | 99.71 |
| EA050 | - | - | - | - | - | - | *S.* *lacrimifuminis* (MH182607.1) | 98.22 |
| EA060 | - | - | - | - | - | - | *S.* *griseorubens* AS 4.1839 (AY999870.1) | 99.63 |
| EA062 | - | - | - | - | - | - | *S.* *macrosporeus* NBRC 13897 (AB184542.1) | 100 |
| EA071 | - | - | - | - | - | - | *N.* *dassonoillei* DSM 43111 (NR\_074635.1) | 99.85 |
| EA074 | - | - | - | - | - | - | *S.* *tempisquensis* (KF954543.1) | 99.85 |
| EA077 | - | - | - | - | - | **+** | *S.* *sampsonii* DSM 40394T (Z76680.1) | 99.85 |
| EA078 | - | - | - | - | - | - | *S. griseorubens* AS 4.1839 (AY999870.1) | 99.50 |
| EA080 | - | **+** | - | - | - | - | *S.* *camponoticapitis* (LC551874.1) | 99.92 |
| EA082 | - | - | - | - | - | - | *S.* *atriruber* NRRL B-24165 (EU812169.1) | 99.12 |
| EA083 | **+** | **+** | - | - | **+++** | **++** | *S.* *lavendulae* NRRL B-1230 (NR\_117992.2) | 99.71 |
| EA090 | - | - | - | - | - | - | *S. canus* NBRC 12872 (NR\_041085.1) | 99.48 |
| EA098 | - | - | - | - | - | - | *S. gancidicus* NRRL B-1872 (NR\_115459.1) | 99.23 |
| EA102 | - | - | - | - | - | - | *S. rubrogriseus* DSM 41477(NR\_114667.1) | 99.71 |
| EA107 | - | - | - | - | - | - | *S. rubrogriseus* DSM 41477 (NR\_114667.1) | 99.71 |
| EA108 | - | **+** | - | - | - | **+** | *S. enissocaesillis* NRRL B-16365 (AB915613.2) | 98.81 |
| EA114 | - | - | - | - | - | - | *S. fimicarius* NBRC 13037 (NR\_112347.1) | 99.85 |
| EA123 | - | - | - | - | - | - | *S. rubrogriseus* DSM 41477 (NR\_114667.1) | 99.85 |
| EA127 | - | - | - | - | - | - | *S. acidiscabies* ATCC 49003 (FJ007426.1) | 100 |
| EA128 | - | - | - | - | - | - | *S. violaceoruber* DSM 40049 (NR\_041914.1) | 99.85 |
| EA138 | - | - | - | - | - | - | *S. coelicoflavus* JCM 6918 (AY999752.1) | 100 |
| EA140 | - | - | - | - | - | - | *S. lacrimifuminis* (MH182607.1) | 98.57 |
| EA148 | - | - | - | - | - | - | *S. hokutonensis* (AB808756.1) | 99.64 |
| EA159 | - | - | - | - | **++** | **+** | *S. paulus* NBRC 14877 (AB184626.1 ) | 100 |
| EA166 | - | - | - | - | **+++** | **++** | *S. plumbeus* NBRC 13708 (AB184468.2) | 99.48 |
| EA169 | - | - | - | - | - | - | *S. violaceoruber* DSM 40049 (NR\_041914.1) | 99.85 |
| EA173 | - | - | - | - | - | - | *S. exfoliatus* AS 4.1874 (AY999898.1) | 99.34 |
| EA174 | - | - | - | - | - | - | *S. fradiae* NBRC 12215 (AB184069.1) | 99.93 |
| EA179 | - | - | - | - | - | - | *S. canus* NBRC 12872 (NR\_041085.1) | 99.34 |
| EA180 | - | - | - | - | - | - | *S. peruviensis* DSM 40592 (AJ310924.1) | 99.27 |
| EA181 | - | - | - | - | - | - | *S. canus* NBRC 12872 (NR\_041085.1) | 99.63 |
| EA182 | - | - | - | - | - | - | *S. pseudovenezuelae* ISP 5212 (AJ399481.1) | 99.48 |
| EA183 | - | - | - | - | - | - | *T. tyrosinosolvens* JCM 15482 (KX924546.1) | 100 |
| EA186 | - | - | - | - | - | - | *S. marokkonensis* LMG 23016 (NR\_114960.1) | 99.19 |
| SA005 | - | **++** | - | - | - | - | *S. cacaoi* subsp. asoensis NBRC 13813 (NR\_112416.1) | 100 |
| SA010 | - | - | - | - | - | - | *S. canus* NBRC 12872 (NR\_041085.1) | 99.42 |
| SA014 | - | - | - | - | - | - | *S. argillaceus* (MF462922.1) | 99.63 |
| SA015 | - | + | - | - | - | - | *S. osmaniensis* (LC136922.1) | 99.34 |
| SA019 | - | - | - | - | - | - | *S. gancidicus* NRRL B-1872 (NR\_115459.1) | 99.06 |
| SA023 | - | **+** | - | - | - | - | *S. rishiriensi* NBRC 13407 (AB184383.1) | 99.55 |
| SA033 | - | - | - | - | - | - | *S. aquilus* (MH718844.1) | 99.78 |
| SA035 | - | - | - | - | - | - | *S. bungoensis* NBRC 15711 (AB184696.1) | 99.56 |
| SA036 | - | - | - | - | - | - | *K. purpeofusca* LMG 20283 (NR\_042304.1) | 99.26 |
| SA037 | - | - | - | - | - | - | *S. glaucescens* DSM40716 (X79322.1) | 99.19 |
| SA046 | - | - | - | - | - | - | *S. bungoensis* NBRC 15711 (AB184696.1) | 99.78 |
| SA047 | - | **+** | - | - | - | **+** | *S. tauricus* NRRL B-12497 (NR\_116383.1) | 100 |
| SA050 | - | - | - | - | - | - | *S. lannensis* (KF703720.1) | 99.35 |
| SA060 | - | - | - | - | - | - | *S. longisporoflavus* NBRC 12886 (NR\_112320.1) | 99.63 |
| SA064 | - | - | - | - | - | - | *S. fradiae* NBRC 12215 (AB184069.1) | 99.55 |
| SA065 | - | - | - | - | - | - | *S. fradiae* NBRC 12215 (AB184069.1) | 99.63 |
| SA067 | - | **+** | - | - | - | - | *S. pseudovenezuelae* ISP 5212 (AJ399481.1 ) | 99.56 |
| SA074 | - | - | - | - | - | - | *S. clavifer* NRRL B-2557 (DQ026670.1) | 100 |
| SA075 | - | **+** | - | - | - | - | *S. rishiriensi* NBRC 13407 (AB184383.1) | 99.78 |
| SA076 | - | **-** | - | - | - | **+** | *S. turgidiscabies* NBRC 16080 (NR\_ 112583.1) | 99.63 |
| SA079 | - | - | - | - | - | - | *S. lacrimifluminis* (MH182607.1) | 98.51 |
| SA085 | - | - | - | - | - | - | *S. marokkonensis* LMG 23016 (NR\_114960.1) | 99.12 |
| SA089 | - | - | - | - | - | - | *S. fimicarius* NBRC 13037 (NR\_112347.1) | 99.78 |
| SA098 | - | - | - | - | - | - | *S. glaucescens* DSM40716 (X79322.1) | 99.18 |
| SA107 | - | **+** | - | - | - | **++** | *S. rapamycinicus* ATCC 29253 (NR\_044199.1) | 98.91 |
| SA113 | - | - | - | - | - | - | *S. camponoticapitis* (LC551874.1) | 99.85 |
| SA118 | - | - | - | - | - | - | *S. hokutonensis* (AB808756.1) | 99.85 |
| SA122 | - | - | - | - | - | - | *S. longisporus* NBRC 12885 (NR\_112319.1) | 99.85 |
| SA128 | - | - | - | - | - | - | *S. albogriseolus* NBRC 3709 (NR\_112489.1) | 99.93 |
| SA136 | - | - | - | - | - | - | *S. rhizophilus* (MH432656.1) | 98.81 |