Hierarchical Clustering of Sequences

Local weighted alignment, complete linkage

ST–A35–Pseudoxanthomonas indica
ST–71–Pseudoxanthomonas indica
ASV1036–Pseudoxanthomonas indica
ST–B8–Pseudoxanthomonas indica
ASV1058–Pseudoxanthomonas japonensis
ST–B3–Pseudoxanthomonas japonensis
ST–D1_1–Stenotrophomonas PEJT_s
ST–C2–Stenotrophomonas PEJT_s
KS–10–Stenotrophomonas MUYX_s
ASV1467–Lysobacter oryzae
ASV1206–Lysobacter daejeonensis
ASV1237–Lysobacter soli
ASV1013–Lysobacter panacisoli
ASV203–Lysobacter korlensis
ASV1111–Lysobacter mobilis
ASV1690–Lysobacter tyrosinelyticus
ST–83–Achromobacter xylosoxidans
KS–33–Achromobacter insolitus
ASV1670–Achromobacter xylosoxidans
KS–11–Achromobacter xylosoxidans
KS–30–Achromobacter xylosoxidans
ASV1700–Achromobacter deleyi
KS–36–Achromobacter piechaudii
KS–06–Achromobacter insolitus
ASV1754–Achromobacter mucicolens
ASV1364–Enterobacter ludwigii
ASV1159–Enterobacter tabaci
ASV1244–Enterobacter kobei
ASV1042–Enterobacter LVVA_s
ASV1087–Escherichia flexneri
ASV182–Acinetobacter oleivorans
ASV1153–Pseudomonas chlororaphis
ASV104–Pseudomonas frederiksbergensis
ASV125–Pseudomonas kilonensis
ASV1120–Pseudomonas brassicacearum
ST–127–Pseudomonas PDJN_s
ASV134–Pseudomonas granadensis
ASV1617–Acidovorax temperans
ASV1548–Janthinobacterium EU536428_s
ASV1466–Acidovorax soli
ASV100–Acidovorax delafieldii
ASV1018–Delftia acidovorans
ASV822–Variovorax soli
ASV1625–Xenophilus aerolatus
ASV1019–Variovorax CP003911_s
ASV250–Duganella ginsengisoli
ASV1049–Pseudoduganella eburnea
ASV1262–Herbaspirillum aquaticum
ASV112–Herbaspirillum seropedicae
ASV622–Herminimonas glaciei
ASV170–Herminiimonas contaminans
KS–34–Cupriavidus plantarum
KS–32–Cupriavidus plantarum
KS–03–Cupriavidus plantarum
ASV111–Cupriavidus metallidurans
ASV1151–Cupriavidus ALOU_s
ASV1090–Cupriavidus necator
KS–26–Cupriavidus plantarum
KS–05–Cupriavidus plantarum
KS–24–Cupriavidus plantarum
ASV1126–Cupriavidus plantarum
ASV1075–Paraburkholderia graminis
ASV103–Bacillus mesonae
ASV1–Bacillus cucumis
ASV1720–Cupriavidus pauculus
ASV1755–Arthrobacter cryoconiti
ASV1738–Arthrobacter CP012479_s
ASV1786–Oryzihumus GQ396976_s
ASV1783–Arthrobacter FR682675_s
ASV107–Pseudarthrobacter oxydans
ASV101–Pseudarthrobacter equi
ASV109–Paenarthrobacter nitroguajacolicus
ST–C4–Paenarthrobacter nitroguajacolicus
ST–C7–Microbacterium hydrocarbonoxydans
ST–A29–Microbacterium hydrocarbonoxydans
ST–B7–Microbacterium hydrocarbonoxydans
ST–B11–Microbacterium hydrocarbonoxydans
ASV1057–Terrabacter koreensis
ASV1792–EU223959_g EU223959_s
ASV1778–Sphingobium rhizovicinum
ASV1376–Sphingopyxis bauzanensis
ASV121–Novosphingobium endophyticum
ASV148–Sphingomonas kyeonggiensis
ST–C5–Sphingobium yanoikuyae
ST–10–Sphingobium yanoikuyae
KS–01–Sphingobium paulinellae
ASV10–Sphingobium czechense
KS–07–Sphingobium paulinellae
KS–20–Sphingobium paulinellae
KS–35–Sphingobium paulinellae
KS–02–Sphingobium paulinellae
KS–25–Sphingobium paulinellae
KS–08–Sphingobium paulinellae
ASV1791–Sphingomonas trueperi
ASV1728–Sphingobium JEMV_s
ASV1423–Rhizobium LMDG_s
ASV1150–Rhizobium altiplani
ASV344–Ensifer morelensis
ASV1060–Ensifer adhaerens
ASV1794–Shinella yambaruensis
ST–B5–Ochrobactrum intermedium
ST–B1–Ochrobactrum intermedium
ST–D1_7–Ochrobactrum intermedium
ST–A1–Ochrobactrum intermedium
ST–C9–Ochrobactrum intermedium
KS–21–Ochrobactrum intermedium
ST–C1–Ochrobactrum intermedium
ASV1248–Caulobacter rhizosphaerae
ASV1012–Caulobacter PEBF_s
ASV1505–Brevundimonas staleyi
KS–23–Methylobacterium oryzae
KS–09–Methylobacterium oryzae
KS–04–Methylobacterium oryzae
ASV1462–Devosia LMEA_s
ASV1149–Labrys neptuniae
ASV1732–AF370880_g AF370880_s
KS–27–Bosea thiooxidans
ASV1020–Bosea vaviloviae
KS–29–Bosea thiooxidans
ASV1637–Bradyrhizobium denitrificans
ASV1559–Bdellovibrio NELQ_s
ASV1419–Verrucomicrobium spinosum
ASV1378–Verrucomicrobium BATR_s
ASV1329–Roseimicrobium gellanilyticum
ASV1005–Prosthecobacter fluviatilis
ASV1586–HQ118308_g HQ118308_s
ASV1142–GU127739_g EU135464_s
ASV1346–Dyadobacter beijingensis
ASV1035–Dyadobacter endophyticus
ASV1320–Dyadobacter fermentans
ASV1421–Hymenobacter ocellatus
ASV1308–Taibaiella HM238181_s
ASV1048–Taibaiella yonginensis
ASV1543–JX489884_g JX489884_s
ASV1463–JX489981_g JX489981_s
ASV1435–Nemorella EF516686_s
ST–7–Chitinophaga eiseniae
ASV1040–Chitinophaga eiseniae
ASV1077–Chitinophaga ginsengisegetis
ASV1649–Panacibacter JF922313_s
ASV1541–Chitinophaga ginsengihumi
ASV1448–Pseudoflavitalea soli
ASV1181–Pseudobacter ginsenosidimutans
ASV167–Flaviaesturariibacter terrae
ASV1294–Terrimonas ferruginea
ASV1724–HQ827923_g HQ827923_s
ASV1424–HM308839_g HM308839_s
ASV1699–Fluviicola hefeinensis
ASV1516–Pedobacter solisilvae
ASV122–Pedobacter zeaxanthinifaciens
ASV299–Pedobacter ginsenosidimutans
ASV1453–Pedobacter koreensis
ASV1213–Pedobacter kyungheensis
ASV1264–Pedobacter CP024091_s
ASV1312–Mucilaginibacter rubeus
ASV1790–GU205440_g AY947930_s
ASV1106–CP012155_g CP012155_s
ASV1736–DQ404664_g FJ517685_s
ST–3–Chryseobacterium cucumeris
ASV102–Chryseobacterium cucumeris
ASV1566–Chryseobacterium geocarposphaerae
ASV1472–Chryseobacterium culicis
ASV1360–Chryseobacterium taiwanense
ASV1698–Lachihabitans FJ517720_s
ASV219–Flavobacterium defluvii
ASV1023–Flavobacterium notoginsengisoli
ASV1489–Flavobacterium LMJB_s
ASV1132–Flavobacterium JQJV_s
ASV1218–Flavobacterium chungangense
ASV1676–Flavobacterium EU599190_s
ASV1252–Flavobacterium kyungheense
ASV161–Flavobacterium inkyongense
ASV114–Flavobacterium brevivitae
ASV1021–Flavobacterium lindanitolerans
ASV1729–Flavobacterium cutihirudinis
ASV1436–CP011270_g CP011270_s
ASV1343–Singulisphaera acidiphila
ASV1083–Tepidisphaera HQ119897_s
KS–28–Achromobacter insolitus
KS–22–Cupriavidus plantarum

100   80   60   40   20   0

Distance