

Root type	clone N°	Accession	Affiliation	Max score	Similarity
juv	3	NR_026373.1	Sphingomonas pruni strain IFO 15498 16S ribosomal RNA	2326	100%
juv	7	HM107184.1	Burkholderia sp. CCBAU 25371 16S ribosomal RNA gene, partial sequence	2388	100%
juv	35	AM412138.1	Massilia sp. P-105 partial 16S rRNA gene, strain P-105	2285	100%
juv	46	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2385	100%
juv	50	HM852118.1	Rhizobium lusitanum strain P5-6 16S ribosomal RNA gene, partial sequence	2335	100%
juv	68	AF408980.1	Burkholderia sp. Ellin138 16S ribosomal RNA gene, partial sequence	2375	100%
juv	80	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2396	100%
juv	83	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2379	100%
juv	109	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2385	100%
juv	110	DQ150565.1	Herbaspirillum hiltneri strain N9 16S ribosomal RNA gene, partial sequence	2224	100%
juv	111	HQ005421.1	Variovorax paradoxus strain BS064 16S ribosomal RNA gene, partial sequence	2409	100%
juv	116	AM412138.1	Massilia sp. P-105 partial 16S rRNA gene, strain P-105	2296	100%
juv	125	DQ005909.2	Telluria mixta 16S ribosomal RNA gene, partial sequence	2272	100%
juv	130	GU332616.1	Duganella sp. AT1-1 16S ribosomal RNA gene, partial sequence	2357	99%
juv	144	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2390	100%
juv	161	DQ005909.2	Telluria mixta 16S ribosomal RNA gene, partial sequence	2290	100%
juv	186	DQ005909.2	Telluria mixta 16S ribosomal RNA gene, partial sequence	2263	100%
juv	219	AF364861.1	Herbaspirillum sp. BA17 16S ribosomal RNA gene, partial sequence	2163	100%
juv	236	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2396	100%
juv	245	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2383	100%
juv	249	DQ005909.2	Telluria mixta 16S ribosomal RNA gene, partial sequence	2329	100%
juv	263	HQ22324.1	Dyella marenensis strain L2 16S ribosomal RNA gene, partial sequence	2289	100%
juv	279	HM852118.1	Rhizobium lusitanum strain P5-6 16S ribosomal RNA gene, partial sequence	2318	100%
juv	281	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2368	100%
juv	282	EU073130.1	Naxibacter sp. X16-7 16S ribosomal RNA gene, partial sequence	2246	100%
juv	283	DQ005909.2	Telluria mixta 16S ribosomal RNA gene, partial sequence	2307	100%
juv	290	DQ005909.2	Telluria mixta 16S ribosomal RNA gene, partial sequence	2274	100%
juv	298	DQ005909.2	Telluria mixta 16S ribosomal RNA gene, partial sequence	2257	100%
juv	301	AF408980.1	Burkholderia sp. Ellin138 16S ribosomal RNA gene, partial sequence	2399	100%
juv	316	AF408980.1	Burkholderia sp. Ellin138 16S ribosomal RNA gene, partial sequence	2405	100%
juv	323	EU440651.1	Uncultured Pelomonas sp. clone Plot17-F03 16S ribosomal RNA gene, partial sequence	2102	100%
juv	330	HM062090.1	Uncultured Acidobacteria bacterium clone KBS	2228	100%
juv	335	HQ267096.1	Ralstonia pickettii strain QL-A6 16S ribosomal RNA gene, partial sequence	2392	100%

juv	343	AB480711.2	Leptothrix sp. PN15D gene for 16S rRNA, partial sequence	2300	100%
juv	356	HM107184.1	Burkholderia sp. CCBau 25371 16S ribosomal RNA gene, partial sequence	2386	100%
juv	375	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2379	100%
juv	395	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2396	100%
juv	396	EU024154.1	Burkholderia graminis strain CIP 106649 16S ribosomal RNA gene, partial sequence	2187	100%
juv	398	FJ889342.1	Uncultured Xanthomonadaceae bacterium clone	2350	100%
juv	407	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2385	100%
juv	413	GU070680.1	Uncultured Ralstonia sp. clone GB62 16S ribosomal RNA gene, partial sequence	2106	91%
juv	417	AM412138.1	Massilia sp. P-105 partial 16S rRNA gene, strain P-105	2283	100%
juv	420	GU201545.1	Uncultured Bordetella sp. clone FT307_A05 16S ribosomal RNA gene, partial sequence	2239	100%
juv	423	AB542414.1	Mesorhizobium sp. TSA41s gene for 16S ribosomal RNA, partial sequence, strain: TSA41s	2337	100%
juv	433	AB545620.1	Massilia sp. TSO8 gene for 16S ribosomal RNA, partial sequence	2340	100%
juv	447	AM412138.1	Massilia sp. P-105 partial 16S rRNA gene, strain P-105	2257	100%
juv	463	FR733702.1	Methylovorus glucosotrophus partial 16S rRNA gene, type strain DSM6874T	2183	100%
juv	481	DQ150565.1	Herbaspirillum hiltneri strain N9 16S ribosomal RNA gene, partial sequence	2383	100%
juv	485	HM107184.1	Burkholderia sp. CCBau 25371 16S ribosomal RNA gene, partial sequence	2398	100%
juv	491	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2372	100%
juv	492	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2372	100%
juv	495	HM107185.1	Burkholderia sp. s25 16S ribosomal RNA gene, partial sequence	2313	100%
juv	503	DQ005909.2	Telluria mixta 16S ribosomal RNA gene, partial sequence	2250	100%
juv	505	HQ267096.1	Ralstonia pickettii strain QL-A6 16S ribosomal RNA gene, partial sequence	2401	100%
juv	521	AB508890.1	Azospirillum sp. TSH78 gene for 16S ribosomal RNA, partial sequence	2307	99%
juv	532	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2394	100%
juv	540	AF408997.1	Burkholderia sp. Ellin155 16S ribosomal RNA gene, partial sequence	2340	100%
juv	546	AF247494.1	Burkholderia sp. S2.1 16S ribosomal RNA gene, partial sequence	2379	100%
juv	560	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2390	100%
juv	576	AB545620.1	Massilia sp. TSO8 gene for 16S ribosomal RNA, partial sequence	2340	100%
juv	586	DQ005909.2	Telluria mixta 16S ribosomal RNA gene, partial sequence	2274	100%
juv	594	GU201545.1	Uncultured Bordetella sp. clone FT307_A05 16S ribosomal RNA gene, partial sequence	2250	100%
juv	595	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2385	99%
juv	598	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2396	100%
juv	602	GO200828.1	Massilia sp. M1 16S ribosomal RNA gene, partial sequence	2296	100%
juv	606	GU339286.1	Pectobacterium cypripedii strain EH59 16S ribosomal RNA gene, partial sequence	2392	100%
juv	617	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2385	100%
juv	618	AY360547.1	Uncultured Methylophilaceae bacterium clone 10-3Ba25	2178	100%

juv	627	HM107185.1	Burkholderia sp. s25 16S ribosomal RNA gene, partial sequence	2320	100%
juv	629	HM107184.1	Burkholderia sp. CCBAU 25371 16S ribosomal RNA gene, partial sequence	2405	100%
juv	631	AB531412.1	Collimonas sp. III-27 gene for 16S rRNA, partial sequence	2368	100%
juv	639	AF408997.1	Burkholderia sp. Ellin155 16S ribosomal RNA gene, partial sequence	2340	100%
juv	641	AM745942.1	Burkholderia sp. R-701 16S rRNA gene, strain R-701	2407	100%
juv	642	EU399918.1	Herbaspirillum frisingense strain CAF265 16S ribosomal RNA gene, partial sequence	1982	100%
juv	647	DQ005909.2	Telluria mixta 16S ribosomal RNA gene, partial sequence	2252	100%
juv	653	AF408980.1	Burkholderia sp. Ellin138 16S ribosomal RNA gene, partial sequence	2405	100%
juv	673	HQ167731.1	Curvibacter sp. HIME6821 16S ribosomal RNA gene, partial sequence	2314	100%
juv	685	AF408980.1	Burkholderia sp. Ellin138 16S ribosomal RNA gene, partial sequence	2399	100%
juv	701	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2385	100%
juv	702	GU201545.1	Uncultured Bordetella sp. clone EFT307_A05 16S ribosomal RNA gene, partial sequence	2233	100%
juv	703	HM107184.1	Burkholderia sp. CCBAU 25371 16S ribosomal RNA gene, partial sequence	2392	100%
juv	712	DQ005909.2	Telluria mixta 16S ribosomal RNA gene, partial sequence	2285	100%
juv	713	HM107184.1	Burkholderia sp. CCBAU 25371 16S ribosomal RNA gene, partial sequence	2388	100%
juv	714	FJ418697.1	Mesorhizobium sp. CCBAU 41182 16S ribosomal RNA gene, partial sequence	2324	100%
juv	718	EU074181.1	Rhizobium tropici strain CCBAU 01483 16S ribosomal RNA gene, partial sequence	1919	100%
juv	732	DQ150565.1	Herbaspirillum hiltneri strain N9 16S ribosomal RNA gene, partial sequence	2401	100%
juv	736	AB531412.1	Collimonas sp. III-27 gene for 16S rRNA, partial sequence	2385	100%
juv	752	AF408997.1	Burkholderia sp. Ellin155 16S ribosomal RNA gene, partial sequence	2324	100%
juv	762	DQ005909.2	Telluria mixta 16S ribosomal RNA gene, partial sequence	2246	100%
juv	765	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2388	100%
juv	783	HM107184.1	Burkholderia sp. CCBAU 25371 16S ribosomal RNA gene, partial sequence	2405	100%
juv	793	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2396	100%
juv	798	DQ005909.2	Telluria mixta 16S ribosomal RNA gene, partial sequence	2279	100%
juv	801	GU569118.1	Uncultured Variovorax sp. clone JBXB8 16S ribosomal RNA gene, partial sequence	2409	100%
juv	805	QQ200828.1	Massilia sp. M1 16S ribosomal RNA gene, partial sequence	2285	100%
juv	806	HM107185.1	Burkholderia sp. s25 16S ribosomal RNA gene, partial sequence	2338	100%
juv	807	AF408980.1	Burkholderia sp. Ellin138 16S ribosomal RNA gene, partial sequence	2410	100%
juv	811	AF408980.1	Burkholderia sp. Ellin138 16S ribosomal RNA gene, partial sequence	2411	100%
juv	812	DQ005909.2	Telluria mixta 16S ribosomal RNA gene, partial sequence	2290	100%
juv	818	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2401	100%
juv	822	AB545621.1	Azospirillum sp. TS09 gene for 16S ribosomal RNA, partial sequence	2298	100%
juv	824	AM411925.1	Rhizobium sp. P-26 partial 16S rRNA gene, strain P-26	2134	98%
juv	827	HM856564.1	Uncultured Methylophilaceae bacterium clone YL203 16S ribosomal RNA gene	1808	100%

juv	829	HM107185.1	Burkholderia sp. s25 16S ribosomal RNA gene, partial sequence	2405	100%
juv	842	AY18222.1	Azospirillum sp. Matz-1a 16S ribosomal RNA gene, partial sequence	1825	100%
juv	856	AM412138.1	Massilia sp. P-105 partial 16S rRNA gene, strain P-105	2313	100%
juv	858	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2379	100%
juv	860	AY360547.1	Uncultured Methylophilaceae bacterium clone 10-3Ba25	2189	100%
juv	861	HM107184.1	Burkholderia sp. CCBAU 25371 16S ribosomal RNA gene, partial sequence	2383	100%
juv	865	GU201545.1	Uncultured Bordetella sp. clone FT307_A05 16S ribosomal RNA gene, partial sequence	2233	100%
juv	868	AF247494.1	Burkholderia sp. S2.1 16S ribosomal RNA gene, partial sequence	2379	100%
juv	883	FJ889345.1	Uncultured Dokdonella sp. clone Plot18-2F04 16S ribosomal RNA gene, partial sequence	2302	100%
juv	887	AB545620.1	Massilia sp. TSO8 gene for 16S ribosomal RNA, partial sequence	2340	100%
juv	899	FJ603036.1	Burkholderia sp. ny10 16S ribosomal RNA gene, partial sequence	2366	100%
juv	901	AF526939.1	Uncultured Bradyrhizobium sp. clone 81-24 16S ribosomal RNA (rrn) gene, partial sequence	2274	100%
juv	906	EU962139.1	Uncultured Herbaspirillum sp. clone 10 16S ribosomal RNA gene, partial sequence	2056	100%
juv	908	AF408980.1	Burkholderia sp. Ellin138 16S ribosomal RNA gene, partial sequence	2405	100%
juv	919	AB545621.1	Azospirillum sp. TSO9 gene for 16S ribosomal RNA, partial sequence	2303	100%
juv	922	HM852118.1	Rhizobium lusitanum strain P5-6 16S ribosomal RNA gene, partial sequence	2329	100%
juv	927	HM107185.1	Burkholderia sp. s25 16S ribosomal RNA gene, partial sequence	2326	100%
juv	929	HM852118.1	Rhizobium lusitanum strain P5-6 16S ribosomal RNA gene, partial sequence	2340	100%
juv	935	AM745942.1	Burkholderia sp. R-701 16S rRNA gene, strain R-701	2407	100%
juv	940	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2396	100%
juv	944	AB508890.1	Azospirillum sp. TSH78 gene for 16S ribosomal RNA, partial sequence	2326	100%
juv	945	DQ787329.1	Azospirillum lipoferum strain B22 16S ribosomal RNA gene, partial sequence	2292	100%
juv	952	AM745942.1	Burkholderia sp. R-701 16S rRNA gene, strain R-701	2396	100%
juv	953	AB531412.1	Collimonas sp. III-27 gene for 16S rRNA, partial sequence	2385	100%
juv	963	GQ200828.1	Massilia sp. M1 16S ribosomal RNA gene, partial sequence	2296	100%
juv	971	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2379	100%
juv	974	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2401	100%
juv	985	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2396	100%
juv	995	AB545620.1	Massilia sp. TSO8 gene for 16S ribosomal RNA, partial sequence	2351	100%
juv	1003	HM852118.1	Rhizobium lusitanum strain P5-6 16S ribosomal RNA gene, partial sequence	2340	100%
juv	1013	AB545620.1	Massilia sp. TSO8 gene for 16S ribosomal RNA, partial sequence	2335	100%
juv	1014	HM107185.1	Burkholderia sp. s25 16S ribosomal RNA gene, partial sequence	2405	100%
juv	1025	GU201544.1	Uncultured Bordetella sp. clone FT107_D08 16S ribosomal RNA gene, partial sequence	2235	100%
juv	1028	EF012357.1	Devosia insulae strain DS-56 16S ribosomal RNA gene, partial sequence	2331	100%
juv	1037	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2385	100%

juv	1050	EU420078.1	Agrobacterium rhizogenes strain Cy-0 16S ribosomal RNA gene, partial sequence	2322	100%
juv	1097	DQ520829.1	Oxalobacteraceae bacterium NR186 16S ribosomal RNA gene, partial sequence	2102	100%
juv	942	HM107184.1	Burkholderia sp. CCBAU 25371 16S ribosomal RNA gene, partial sequence	2399	100%
mat	23	FJ390904.1	Bradyrhizobium canariense strain SEMIA 928 16S ribosomal RNA gene, partial sequence	2326	100%
mat	34	GU201545.1	Uncultured Bordetella sp. clone EFT307_A05 16S ribosomal RNA gene, partial sequence	2228	100%
mat	47	EU184088.1	Rhizobium sp. PSB12 16S ribosomal RNA gene, partial sequence	2305	99%
mat	54	GU332616.1	Duganella sp. AT1-1 16S ribosomal RNA gene, partial sequence	2333	99%
mat	66	HM438574.1	Uncultured Phenylobacterium sp. clone T282G3 16S ribosomal RNA gene, partial sequence	2187	100%
mat	72	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2388	100%
mat	74	FJ390904.1	Bradyrhizobium canariense strain SEMIA 928 16S ribosomal RNA gene, partial sequence	2326	100%
mat	76	FJ390904.1	Bradyrhizobium canariense strain SEMIA 928 16S ribosomal RNA gene, partial sequence	2320	100%
mat	79	FJ390904.1	Bradyrhizobium canariense strain SEMIA 928 16S ribosomal RNA gene, partial sequence	2320	100%
mat	91	AM745942.1	Burkholderia sp. R-701 16S rRNA gene, strain R-701	2377	100%
mat	95	HM852118.1	Rhizobium lusitanum strain P5-6 16S ribosomal RNA gene, partial sequence	2311	100%
mat	148	AM745942.1	Burkholderia sp. R-701 16S rRNA gene, strain R-701	2407	100%
mat	155	EU184088.1	Burkholderia sp. PSB12 16S ribosomal RNA gene, partial sequence	2300	99%
mat	156	HM107184.1	Burkholderia sp. CCBAU 25371 16S ribosomal RNA gene, partial sequence	2375	100%
mat	161	AJ865858.1	Catenulispora sp. Ne06 partial 16S rRNA gene, strain Ne06	2359	100%
mat	187	AM934727.1	Uncultured Acidobacteria bacterium partial 16S rRNA gene, clone AMNC7	2158	98%
mat	198	DQ005909.2	Telluria mixta 16S ribosomal RNA gene, partial sequence	2266	100%
mat	207	HM107185.1	Burkholderia sp. s25 16S ribosomal RNA gene, partial sequence	2313	100%
mat	211	FJ889346.1	Uncultured Rhodanobacter sp. clone Plot18-2G04 16S ribosomal RNA gene, partial sequence	2337	100%
mat	212	DQ005909.2	Telluria mixta 16S ribosomal RNA gene, partial sequence	2266	100%
mat	237	AF408997.1	Burkholderia sp. Ellin155 16S ribosomal RNA gene, partial sequence	2322	100%
mat	241	GU201545.1	Uncultured Bordetella sp. clone EFT307_A05 16S ribosomal RNA gene, partial sequence	2228	99%
mat	246	GU201544.1	Uncultured Bordetella sp. clone EFT107_D08 16S ribosomal RNA gene, partial sequence	1456	97%
mat	255	FJ390904.1	Bradyrhizobium canariense strain SEMIA 928 16S ribosomal RNA gene, partial sequence	2320	100%
mat	261	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2383	100%
mat	270	DQ005909.2	Telluria mixta 16S ribosomal RNA gene, partial sequence	2300	100%
mat	281	AB480711.2	Leptothrix sp. PN15D gene for 16S rRNA, partial sequence	2348	100%
mat	301	AF408980.1	Burkholderia sp. Ellin138 16S ribosomal RNA gene, partial sequence	2392	100%
mat	322	HQ267096.1	Ralstonia pickettii strain QL-A6 16S ribosomal RNA gene, partial sequence	2385	100%
mat	337	AF247494.1	Burkholderia sp. S2.1 16S ribosomal RNA gene, partial sequence	2377	100%
mat	347	AM745942.1	Burkholderia sp. R-701 16S rRNA gene, strain R-701	2372	100%

mat	348	AB531412.1	Collimonas sp. Ill-27 gene for 16S rRNA, partial sequence	2372	100%
mat	364	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2383	100%
mat	368	AF247494.1	Burkholderia sp. S2.1 16S ribosomal RNA gene, partial sequence	2383	100%
mat	373	AB480712.1	Leptothrix sp. PW10C gene for 16S rRNA, partial sequence	2314	100%
mat	388	AF247494.1	Burkholderia sp. S2.1 16S ribosomal RNA gene, partial sequence	2377	100%
mat	389	FJ390904.1	Bradyrhizobium canariense strain SEMIA 928 16S ribosomal RNA gene, partial sequence	2320	100%
mat	401	AF247494.1	Burkholderia sp. S2.1 16S ribosomal RNA gene, partial sequence	2377	100%
mat	409	FJ390904.1	Bradyrhizobium canariense strain SEMIA 928 16S ribosomal RNA gene, partial sequence	2314	100%
mat	433	AF408980.1	Burkholderia sp. Ellin138 16S ribosomal RNA gene, partial sequence	2381	100%
mat	437	AM745942.1	Burkholderia sp. R-701 16S rRNA gene, strain R-701	2355	100%
mat	438	AF247494.1	Burkholderia sp. S2.1 16S ribosomal RNA gene, partial sequence	2377	100%
mat	441	FM202363.1	Bradyrhizobium sp. 15LBIV partial 16S rRNA gene, strain 15LBIV	2326	100%
mat	451	FJ390904.1	Bradyrhizobium canariense strain SEMIA 928 16S ribosomal RNA gene, partial sequence	2322	100%
mat	461	EU184088.1	Rhizobium sp. PSB12 16S ribosomal RNA gene, partial sequence	2311	99%
mat	475	GU201545.1	Uncultured Bordetella sp. clone EFT307_A05 16S ribosomal RNA gene, partial sequence	2239	100%
mat	480	GQ181027.1	Burkholderia phytodimans strain LNW6 16S ribosomal RNA gene, partial sequence	1304	95%
mat	481	NR_025833.1	Duganella zoogloeoides strain IAM 12670 16S ribosomal RNA, partial sequence	2390	100%
mat	485	AM412138.1	Massilia sp. P-105 partial 16S rRNA gene, strain P-105	2278	100%
mat	490	AF247494.1	Burkholderia sp. S2.1 16S ribosomal RNA gene, partial sequence	2366	100%
mat	497	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2383	100%
mat	521	FJ390904.1	Bradyrhizobium canariense strain SEMIA 928 16S ribosomal RNA gene, partial sequence	2320	100%
mat	532	AM412138.1	Massilia sp. P-105 partial 16S rRNA gene, strain P-105	2278	100%
mat	564	DQ337581.1	Rhizobium sp. BBTR4 16S ribosomal RNA gene, partial sequence	2305	100%
mat	570	NR_025833.1	Duganella zoogloeoides strain IAM 12670 16S ribosomal RNA, partial sequence	2394	100%
mat	571	FJ390904.1	Bradyrhizobium canariense strain SEMIA 928 16S ribosomal RNA gene, partial sequence	2326	100%
mat	582	DQ465451.1	Burkholderia soli strain GP25-8 16S ribosomal RNA gene, partial sequence	2322	100%
mat	584	AF247494.1	Burkholderia sp. S2.1 16S ribosomal RNA gene, partial sequence	2361	100%
mat	585	AB495150.1	Duganella zoogloeoides gene for 16S rRNA, partial sequence, strain: LB-H	2364	100%
mat	592	EF471224.1	Dyella sp. CHNCT14 16S ribosomal RNA gene, partial sequence	2398	100%
mat	597	FJ390904.1	Bradyrhizobium canariense strain SEMIA 928 16S ribosomal RNA gene, partial sequence	2337	100%
mat	618	FJ006913.1	Kaistia sp. WPCB167 16S ribosomal RNA gene, partial sequence	2318	100%
mat	621	AF247494.1	Burkholderia sp. S2.1 16S ribosomal RNA gene, partial sequence	2366	100%
mat	625	AF408980.1	Burkholderia sp. Ellin138 16S ribosomal RNA gene, partial sequence	2374	100%
mat	645	HM156151.1	Caenimonas sp. TSX9-5 16S ribosomal RNA gene, partial sequence	2224	100%
mat	646	NR_029117.1	Phenyllobacterium lituiforme strain Fall3 16S ribosomal RNA, partial sequence	2182	100%

mat	648	HM107185.1	Burkholderia sp. s25 16S ribosomal RNA gene, partial sequence	2381	100%
mat	683	FM886840.1	Leptothrix ginsengisoli partial 16S rRNA gene, strain OTSz_A_210	2228	100%
mat	686	AM412138.1	Massilia sp. P-105 partial 16S rRNA gene, strain P-105	2289	100%
sen	1	HM852118.1	Rhizobium lusitanum strain P5-6 16S ribosomal RNA gene, partial sequence	2340	100%
sen	10	AM745942.1	Burkholderia sp. R-701 16S rRNA gene, strain R-701	2388	100%
sen	15	HM438254.1	Uncultured Bradyrhizobiaceae bacterium clone T302H7	2023	100%
sen	16	GU201545.1	Uncultured Bordetella sp. clone EFT307_A05 16S ribosomal RNA gene, partial sequence	2239	100%
sen	17	AB586071.1	Burkholderia sp. JCM 20553 gene for 16S rRNA, partial sequence	2401	100%
sen	22	HM748080.1	Dyella sp. ICB487 16S ribosomal RNA gene, partial sequence	2372	100%
sen	23	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2396	100%
sen	24	DQ005909.2	Telluria mixta 16S ribosomal RNA gene, partial sequence	2285	100%
sen	34	AB586071.1	Burkholderia sp. JCM 20553 gene for 16S rRNA, partial sequence	2390	100%
sen	35	AM745942.1	Burkholderia sp. R-701 16S rRNA gene, strain R-701	2392	99%
sen	36	GU205281.1	Uncultured Acidobacteria bacterium clone RSC_CP1808	2076	99%
sen	40	HQ267096.1	Ralstonia pickettii strain QL-A6 16S ribosomal RNA gene, partial sequence	2390	100%
sen	41	AF247494.1	Burkholderia sp. S2.1 16S ribosomal RNA gene, partial sequence	2346	100%
sen	46	GU201545.1	Uncultured Bordetella sp. clone EFT307_A05 16S ribosomal RNA gene, partial sequence	2250	100%
sen	50	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2390	100%
sen	54	HQ267096.1	Ralstonia pickettii strain QL-A6 16S ribosomal RNA gene, partial sequence	2403	100%
sen	55	AB586071.1	Burkholderia sp. JCM 20553 gene for 16S rRNA, partial sequence	2390	100%
sen	57	AF247494.1	Burkholderia sp. S2.1 16S ribosomal RNA gene, partial sequence	2366	100%
sen	59	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2383	100%
sen	60	AF408980.1	Burkholderia sp. Ellin138 16S ribosomal RNA gene, partial sequence	2394	100%
sen	65	NR_026373.1	Sphingomonas pruni strain IFO 15498 16S ribosomal RNA	2309	100%
sen	66	AB586071.1	Burkholderia sp. JCM 20553 gene for 16S rRNA, partial sequence	2379	100%
sen	67	AB586071.1	Burkholderia sp. JCM 20553 gene for 16S rRNA, partial sequence	2396	100%
sen	68	EU420078.1	Agrobacterium rhizogenes strain Cy-0 16S ribosomal RNA gene, partial sequence	2340	100%
sen	71	D84645.2	Variovorax sp. S24561 gene for 16S ribosomal RNA, partial sequence	2231	100%
sen	72	GU201545.1	Uncultured Bordetella sp. clone EFT307_A05 16S ribosomal RNA gene, partial sequence	2250	100%
sen	78	AF247494.1	Burkholderia sp. S2.1 16S ribosomal RNA gene, partial sequence	2374	100%
sen	96	AB586071.1	Burkholderia sp. JCM 20553 gene for 16S rRNA, partial sequence	2401	100%
sen	98	EF635856.1	Burkholderia sp. LMG 22948 16S ribosomal RNA gene, partial sequence	2396	100%
sen	99	EF635856.1	Burkholderia sp. LMG 22948 16S ribosomal RNA gene, partial sequence	2396	100%
sen	102	AB586071.1	Burkholderia sp. JCM 20553 gene for 16S rRNA, partial sequence	2396	100%

sen	104	NR_026373.1	Sphingomonas pruni strain IFO 15498 16S ribosomal RNA	2314	100%
sen	105	AB586071.1	Burkholderia sp. JCM 20553 gene for 16S rRNA, partial sequence	2396	100%
sen	106	AM745942.1	Burkholderia sp. R-701 16S rRNA gene, strain R-701	2401	100%
sen	107	AB265148.1	Burkholderia sp. E2 gene for 16S ribosomal RNA, partial sequence	2379	100%
sen	108	GU201545.1	Uncultured Bordetella sp. clone EFT307_A05 16S ribosomal RNA gene, partial sequence	2228	100%
sen	111	AY621157.2	Variovorax sp. SR516 16S ribosomal RNA gene, partial sequence	2407	100%
sen	118	HQ231941.1	Burkholderia sp. EW7 16S ribosomal RNA gene, partial sequence	2383	100%
sen	119	AM087199.1	Asticcacaulis benevestitus partial 16S rRNA gene, type strain Z-0023T	2194	100%
sen	121	AF247494.1	Burkholderia sp. S2.1 16S ribosomal RNA gene, partial sequence	2385	100%
sen	122	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2390	100%
sen	123	FJ605429.1	Janthinobacterium sp. PR-2 16S ribosomal RNA gene, partial sequence	2265	100%
sen	124	AB586071.1	Burkholderia sp. JCM 20553 gene for 16S rRNA, partial sequence	2407	100%
sen	132	HM062172.1	Uncultured Acidobacteria bacterium clone KBS_T1_R2_149270_d2	2263	100%
sen	133	AM745942.1	Burkholderia sp. R-701 16S rRNA gene, strain R-701	2401	100%
sen	136	AB586071.1	Burkholderia sp. R-701 16S rRNA gene, strain R-701	2396	100%
sen	138	AF247494.1	Burkholderia sp. S2.1 16S ribosomal RNA gene, partial sequence	2368	100%
sen	140	AJ247194.1	Asticcacaulis excentricus partial 16S rRNA gene for 16S ribosomal RNA, strain DSM 4724(T)	2015	100%
sen	142	AB586071.1	Burkholderia sp. JCM 20553 gene for 16S rRNA, partial sequence	2401	100%
sen	144	AM745942.1	Burkholderia sp. R-701 16S rRNA gene, strain R-701	2388	100%
sen	145	DQ005909.2	Telluria mixta 16S ribosomal RNA gene, partial sequence	2302	100%
sen	146	GU201545.1	Uncultured Bordetella sp. clone EFT307_A05 16S ribosomal RNA gene, partial sequence	2250	100%
sen	148	AF247494.1	Burkholderia sp. S2.1 16S ribosomal RNA gene, partial sequence	2368	100%
sen	152	GU201545.1	Uncultured Bordetella sp. clone EFT307_A05 16S ribosomal RNA gene, partial sequence	2239	100%
sen	154	AF247494.1	Burkholderia sp. S2.1 16S ribosomal RNA gene, partial sequence	2379	100%
sen	155	AM745942.1	Burkholderia sp. R-701 16S rRNA gene, strain R-701	2390	100%
sen	156	AM745942.1	Burkholderia sp. R-701 16S rRNA gene, strain R-701	2396	100%
sen	159	AF247494.1	Burkholderia sp. S2.1 16S ribosomal RNA gene, partial sequence	2368	100%
sen	162	AF247494.1	Burkholderia sp. S2.1 16S ribosomal RNA gene, partial sequence	2374	100%
sen	163	AM745942.1	Burkholderia sp. R-701 16S rRNA gene, strain R-701	2362	100%
sen	165	GU201545.1	Uncultured Bordetella sp. clone EFT307_A05 16S ribosomal RNA gene, partial sequence	2233	100%
sen	167	HM438574.1	Uncultured Phenyllobacterium sp. clone T282G3 16S ribosomal RNA gene, partial sequence	2193	100%
sen	169	GU205281.1	Uncultured Acidobacteria bacterium clone RSC_CP1B08	2161	99%
sen	171	HM062090.1	Uncultured Acidobacteria bacterium clone KBS_T8_R3_149246_f12	2252	100%
sen	172	HQ222324.1	Dyella marenensis strain L2 16S ribosomal RNA gene, partial sequence	2292	100%
sen	175	AM745942.1	Burkholderia sp. R-701 16S rRNA gene, strain R-701	2357	100%

sen	178	AM745942.1	Burkholderia sp. R-701 16S rRNA gene, strain R-701	2385	100%
sen	183	<u>GU201545.1</u>	Uncultured Bordetella sp. clone EFT307_A05 16S ribosomal RNA gene, partial sequence	2263	100%
sen	188	<u>AF164052.2</u>	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2396	100%
sen	190	<u>HQ236051.1</u>	Dyella japonica strain SBZ3-12 16S ribosomal RNA gene, partial sequence	2394	100%
sen	193	<u>AF247494.1</u>	Burkholderia sp. S2.1 16S ribosomal RNA gene, partial sequence	2379	100%
sen	194	<u>FJ889346.1</u>	Uncultured Rhodanobacter sp. clone Plot18-2G04 16S ribosomal RNA gene, partial sequence	2355	100%
sen	195	<u>DQ130042.1</u>	Uncultured Methylobacillus sp. clone JER103 16S ribosomal RNA gene, partial sequence	2178	100%
sen	209	<u>AB265148.1</u>	Burkholderia sp. E2 gene for 16S ribosomal RNA, partial sequence	2362	100%
sen	212	AM745942.1	Burkholderia sp. R-701 16S rRNA gene, strain R-701	2390	100%
sen	217	AM745942.1	Burkholderia sp. R-701 16S rRNA gene, strain R-701	2379	100%
sen	218	<u>FJ889346.1</u>	Uncultured Rhodanobacter sp. clone Plot18-2G04 16S ribosomal RNA gene, partial sequence	2348	99%
sen	219	AM745942.1	Burkholderia sp. R-701 16S rRNA gene, strain R-701	2379	100%
sen	221	<u>GU201545.1</u>	Uncultured Bordetella sp. clone EFT307_A05 16S ribosomal RNA gene, partial sequence	2250	100%
sen	225	AM745942.1	Burkholderia sp. R-701 16S rRNA gene, strain R-701	2390	100%
sen	226	<u>AF247494.1</u>	Burkholderia sp. S2.1 16S ribosomal RNA gene, partial sequence	2385	100%
sen	228	<u>GUS80894.2</u>	Agrobacterium rubi strain F266 16S ribosomal RNA gene, partial sequence	2324	100%
sen	229	<u>AF247494.1</u>	Burkholderia sp. S2.1 16S ribosomal RNA gene, partial sequence	2361	100%
sen	231	<u>GQ181055.1</u>	Burkholderia sordidicola strain BLN20 16S ribosomal RNA gene, partial sequence	2394	100%
sen	233	<u>GU201545.1</u>	Uncultured Bordetella sp. clone EFT307_A05 16S ribosomal RNA gene, partial sequence	2250	100%
sen	235	<u>GU201545.1</u>	Uncultured Bordetella sp. clone EFT307_A05 16S ribosomal RNA gene, partial sequence	2241	100%
sen	237	AM745942.1	Burkholderia sp. R-701 16S rRNA gene, strain R-701	2396	100%
sen	238	<u>AF408997.1</u>	Burkholderia sp. Ellin155 16S ribosomal RNA gene, partial sequence	2340	100%
sen	240	<u>GQ181055.1</u>	Burkholderia sordidicola strain BLN20 16S ribosomal RNA gene, partial sequence	2394	100%
sen	242	<u>FJ889346.1</u>	Uncultured Rhodanobacter sp. clone Plot18-2G04 16S ribosomal RNA gene, partial sequence	2355	100%
sen	243	<u>AF164052.2</u>	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2366	99%
sen	244	<u>FJ889346.1</u>	Uncultured Rhodanobacter sp. clone Plot18-2G04 16S ribosomal RNA gene, partial sequence	2399	100%
sen	245	<u>NR_026373.1</u>	Sphingomonas pruni strain IFO 15498 16S ribosomal RNA	2320	100%
sen	246	<u>HM438574.1</u>	Uncultured Phenyllobacterium sp. clone T282G3 16S ribosomal RNA gene, partial sequence	2215	100%
sen	248	<u>EU276559.1</u>	Uncultured Rhodopseudomonas sp. clone Plot03-H12 16S ribosomal RNA gene, partial sequence	2087	100%
sen	251	<u>HM107170.1</u>	Bradyrhizobium sp. CCBAU 45281 16S ribosomal RNA gene, partial sequence	2278	100%
sen	255	<u>FJ889346.1</u>	Uncultured Rhodanobacter sp. clone Plot18-2G04 16S ribosomal RNA gene, partial sequence	2350	100%
sen	256	<u>HM438574.1</u>	Uncultured Phenyllobacterium sp. clone T282G3 16S ribosomal RNA gene, partial sequence	2257	100%
sen	261	<u>HQ267096.1</u>	Ralstonia pickettii strain QL-A6 16S ribosomal RNA gene, partial sequence	2390	100%
sen	262	<u>HM438573.1</u>	Uncultured Phenyllobacterium sp. clone T501 16S ribosomal RNA gene, partial sequence	2084	100%
sen	263	<u>FJ390904.1</u>	Bradyrhizobium canariense strain SEMIA 928 16S ribosomal RNA gene, partial sequence	2326	100%

sen	264	GU201545.1	Uncultured Bordetella sp. clone EFT307_A05 16S ribosomal RNA gene, partial sequence	2244	100%
sen	267	AB586071.1	Burkholderia sp. JCM 20553 gene for 16S rRNA, partial sequence	2396	100%
sen	268	HQ222324.1	Dyella marenis strain L2 16S ribosomal RNA gene, partial sequence	2244	100%
sen	270	AB480712.1	Leptothrix sp. PW10C gene for 16S rRNA, partial sequence	2366	100%
sen	271	HQ222324.1	Dyella marenis strain L2 16S ribosomal RNA gene, partial sequence	2272	100%
sen	272	DQ444975.2	Bacillus sp. Eur1.9.5 16S ribosomal RNA gene, partial sequence	2080	100%
sen	273	FJ889346.1	Uncultured Rhodanobacter sp. clone Plot18-2G04 16S ribosomal RNA gene, partial sequence	2350	100%
sen	278	FJ889346.1	Uncultured Rhodanobacter sp. clone Plot18-2G04 16S ribosomal RNA gene, partial sequence	2355	100%
sen	281	GU201545.1	Uncultured Bordetella sp. clone EFT307_A05 16S ribosomal RNA gene, partial sequence	2239	100%
sen	283	HQ236051.1	Dyella japonica strain SBZ3-12 16S ribosomal RNA gene, partial sequence	2388	100%
sen	290	AM745942.1	Burkholderia sp. R-701 16S rRNA gene, strain R-701	2390	100%
sen	292	GU201545.1	Uncultured Bordetella sp. clone EFT307_A05 16S ribosomal RNA gene, partial sequence	2244	100%
sen	293	AM745942.1	Burkholderia sp. R-701 16S rRNA gene, strain R-701	2379	100%
sen	294	AF247494.1	Burkholderia sp. S2.1 16S ribosomal RNA gene, partial sequence	2390	100%
sen	295	GU294332.1	Methylobacterium oryzae strain 1021b 16S ribosomal RNA gene, partial sequence	2318	100%
sen	297	FJ889346.1	Uncultured Rhodanobacter sp. clone Plot18-2G04 16S ribosomal RNA gene, partial sequence	2350	100%
sen	299	CP001043.1	Burkholderia phymatum STM815 chromosome 1, complete sequence	2246	100%
sen	307	AF247494.1	Burkholderia sp. S2.1 16S ribosomal RNA gene, partial sequence	2374	100%
sen	308	GU201545.1	Uncultured Bordetella sp. clone EFT307_A05 16S ribosomal RNA gene, partial sequence	2239	100%
sen	309	AM745942.1	Burkholderia sp. R-701 16S rRNA gene, strain R-701	2385	100%
sen	316	FJ889346.1	Uncultured Rhodanobacter sp. clone Plot18-2G04 16S ribosomal RNA gene, partial sequence	2355	100%
sen	319	AF247494.1	Burkholderia sp. S2.1 16S ribosomal RNA gene, partial sequence	2385	100%
sen	321	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2390	100%
sen	322	AF164052.2	Herbaspirillum sp. BA14 16S ribosomal RNA gene, partial sequence	2396	100%
sen	324	AM774587.1	Maxibacter varians partial 16S rRNA gene, type strain CCG 35299T	2383	100%
sen	328	AB586071.1	Burkholderia sp. JCM 20553 gene for 16S rRNA, partial sequence	2401	100%
sen	329	AM940946.1	Asticcacaulis sp. ECN-2008 partial 16S rRNA gene	2183	100%
sen	330	AF408997.1	Burkholderia sp. Ellin155 16S ribosomal RNA gene, partial sequence	2340	100%