Table 2: OTUs enriched in stover amended soil relative to control BLAST against Living Tree Project

OTU ID	**Day of Response** [a]	**Top BLAST hits**	**BLAST %ID**
OTU.3	12, 82	*Arthrobacter spp.*	100.0
OTU.4	12	*Massilia tieshanensis*, *Massilia aerilata*	100.0
OTU.6	12, 82	*Bacillus megaterium*, *Bacillus flexus*	100.0
OTU.9	12	*Sphingobacterium siyangense*	100.0
OTU.10	12, 82	*Terrabacter terrae*, *Terrabacter tumescens*, *Terrabacter sp. ON10*, *Terrabacter lapilli*, *Terrabacter sp. PY2*	100.0
OTU.18	12, 82	*Buttiauxella warmboldiae*, *Buttiauxella izardii*, *Buttiauxella agrestis*, *Pantoea rwandensis*, *Pantoea rodasii*, *Enterobacter amnigenus*, *Buttiauxella noackiae*	100.0
OTU.28	12, 82	*Stenotrophomonas chelatiphaga*	98.67
OTU.33	82	*Roseomonas aquatica*	98.13
OTU.39	12, 82	*Thermomonas dokdonensis*	99.47
OTU.45	82	*Rudaea cellulosilytica*	97.06
OTU.57	12, 82	*Methylobacterium radiotolerans*, *Methylobacterium longum*	100.0
OTU.58	12, 82	*Aquamonas fontana*	99.73
OTU.62	12, 82	*Streptomyces spp.*	100.0
OTU.78	12	*Oxalicibacterium flavum*	98.92
OTU.82	12, 82	*Rhizobium endophyticum*, *Rhizobium tubonense*, *Rhizobium tibeticum*	100.0
OTU.83	82	*Terrimonas sp. M-8*, *Terrimonas sp. RIB1-6*	95.95
OTU.84	12, 82	*Tumebacillus permanentifrigoris*	99.46
OTU.88	12	*Chryseobacterium sp. THMBM1*	99.73
OTU.89	82	*Arenimonas sp. CH15-1*	99.2
OTU.91	12	*Chryseobacterium jejuense*, *Chryseobacterium sp. RBA2-6*	98.92
OTU.93	12	*Methylocystis echinoides*	96.51
OTU.100	12	*Novosphingobium naphthalenivorans*, *Novosphingobium mathurense*, *Novosphingobium pentaromativorans*, *Novosphingobium resinovorum*	99.46
OTU.112	12, 82	*Pseudomonas fulva*, *Pseudomonas flavescens*, *Pseudomonas benzenivorans*, *Pseudomonas argentinensis*	100.0
OTU.114	12, 82	*Microvirga guangxiensis*	99.46

Table 2 – continued from previous page

OTU ID	Day of Response [b]	Top BLAST hits	BLAST %ID
OTU.118	12, 82	*Flavobacterium beibuense*, *Flavobacterium sp. FCS-5*	98.11
OTU.120	82	*Devosia insulae*	99.46
OTU.132	82	*Ilumatobacter fluminis*	97.87
OTU.133	12	*Deinococcus gobiensis*, *Deinococcus navajonensis*	95.41
OTU.139	12, 82	*Burkholderia glathei*	100.0
OTU.140	82	*Rhizobiales bacterium Mfc52*	92.74
OTU.141	12, 82	*Achromobacter spanius*, *Achromobacter insolitus*	100.0
OTU.152	82	*Chitinophaga arvensicola*	94.32
OTU.154	12, 82	*Comamonas thiooxydans*, *Comamonas testosteroni*	99.73
OTU.160	82	*Hydrotalea flava*	95.41
OTU.166	82	*Niastella sp. JCN-23*	96.49
OTU.176	82	No hits of at least 90% identity	86.74
OTU.177	12, 82	*Microvirga aerilata*	98.66
OTU.184	12, 82	*Adhaeribacter terreus*	98.11
OTU.185	12, 82	*Erythromicrobium ramosum*, *Porphyrobacter tepidarius*	99.46
OTU.190	12	*Lysobacter sp. RCML-52*	99.73
OTU.191	12	*Geothrix fermentans*	96.26
OTU.193	82	No hits of at least 90% identity	84.88
OTU.218	12, 82	*Rhizobium cellulosilyticum*	100.0
OTU.229	12	*Flavisolibacter ginsengisoli*	96.49
OTU.265	12	*Segetibacter koreensis*	99.19
OTU.269	82	*Aminobacter aminovorans*, *Mesorhizobium loti*, *Mesorhizobium australicum WSM2073*, *Mesorhizobium shangrilense*	100.0
OTU.271	12, 82	*Bosea sp. R-46060*	100.0
OTU.287	12, 82	*Flavisolibacter ginsengisoli*	95.14
OTU.311	82	*Burkholderia sordidicola*	92.78
OTU.316	12, 82	*Caulobacter henricii*	99.46
OTU.319	82	*Dokdonella sp. KIS28-6*	100.0
OTU.333	12, 82	No hits of at least 90% identity	89.97
OTU.339	12, 82	*Brevundimonas halotolerans*	99.73
OTU.343	12, 82	*Pedobacter rhizospharae*	100.0

Table 2 – continued from previous page

OTU ID	Day of Response [b]	Top BLAST hits	BLAST %ID
OTU.349	82	No hits of at least 90% identity	88.13
OTU.352	82	*Sphingobacteria bacterium RYG*	93.28
OTU.357	12, 82	*Ochrobactrum pseudogrignonense*	100.0
OTU.361	12, 82	*Streptosporangium amethystogenes subsp. amethystogenes*, *Streptosporangium longisporum*, *Streptosporangium album*, *Streptosporangium roseum*, *Streptosporangium oxazolinicum*, *Streptosporangium amethystogenes subsp. fukuiense*, *Streptosporangium canum*	100.0
OTU.373	12, 82	*Paenibacillus pabuli*, *Paenibacillus tundrae*, *Paenibacillus taichungensis*, *Paenibacillus xylanexedens*, *Paenibacillus xylanilyticus*	100.0
OTU.379	82	No hits of at least 90% identity	86.77
OTU.391	12	*Flavisolibacter ginsengisoli*	95.68
OTU.395	12, 82	*Solibius ginsengiterrae*	95.41
OTU.399	82	*Flavobacterium sp. DK69*	96.49
OTU.402	12	*Brevundimonas vesicularis*, *Brevundimonas nasdae*	100.0
OTU.412	82	*Sphingobacteria bacterium RYG*	92.43
OTU.413	12, 82	*Cellulomonas aerilata*, *Cellulomonas terrae*, *Cellulomonas humilata*, *Cellulomonas soli*	100.0
OTU.442	12, 82	*Rhodococcus wratislaviensis*	100.0
OTU.444	82	No hits of at least 90% identity	84.95
OTU.448	12, 82	*Brevundimonas alba*	99.19
OTU.451	12	*Polaromonas aquatica*, *Polaromonas jejuensis*, *Polaromonas vacuolata*	99.46
OTU.454	12, 82	*Nocardioides hwasunensis*	100.0
OTU.455	12, 82	*Methylobacterium rhodesianum*, *Methylobacterium populi*, *Methylobacterium zatmanii*	100.0
OTU.464	82	No hits of at least 90% identity	82.18
OTU.468	82	*Steroidobacter denitrificans*	91.18
OTU.472	82	*Steroidobacter denitrificans*	98.4
OTU.477	82	*Ferruginibacter alkalilentus*, *Ferruginibacter lapsinanis*	95.95
OTU.484	82	*Reyranella massiliensis*	97.85
OTU.503	82	*Opitutus terrae*	90.91

Table 2 – continued from previous page

OTU ID	Day of Response [b]	Top BLAST hits	BLAST %ID
OTU.507	12, 82	*Methylophilus methylotrophus*, *Methylotenera versatilis 301*	99.2
OTU.518	82	*Amaricoccus kaplicensis*	96.51
OTU.519	12	*Acinetobacter nosocomialis*, *Acinetobacter calcoaceticus*, *Acinetobacter pittii*	100.0
OTU.523	82	*Phaselicystis flava*	92.25
OTU.524	82	*Aeromonas spp.*	100.0
OTU.529	82	No hits of at least 90% identity	88.38
OTU.534	12, 82	*Methylobacterium aquaticum*	100.0
OTU.535	12, 82	*Cupriavidus necator*, *Wautersia numazuensis*, *Cupriavidus basilensis*	100.0
OTU.536	82	*Ferruginibacter alkalilentus*, *Ferruginibacter lapsinanis*	94.07
OTU.541	12	*Flavobacterium sp. MK3*	99.46
OTU.548	82	No hits of at least 90% identity	89.3
OTU.550	82	*Ohtaekwangia koreensis*	92.72
OTU.564	82	*Solitalea koreensis*	99.73
OTU.565	82	*Marinobacter salicampi*	92.51
OTU.567	12	*Dyella koreensis*, *Dyella soli*	100.0
OTU.571	82	*Rhodopseudomonas sp. JA576*, *Rhodopseudomonas faecalis*, *Rhodopseudomonas palustris*, *Rhodopseudomonas sp. R-45977*	98.12
OTU.582	82	No hits of at least 90% identity	88.3
OTU.589	12, 82	*Sphingomonas trueperi*, *Sphingomonas pituitosa*	98.66
OTU.590	12, 82	*Chryseobacterium piscium*, *Chryseobacterium balustinum*	99.19
OTU.599	82	*Polynucleobacter acidiphobus*	90.43
OTU.604	12, 82	*Pseudochrobactrum sp. KSS 7.8*, *Pseudochrobactrum saccharolyticum*, *Pseudochrobactrum asaccharolyticum*	97.85
OTU.609	82	No hits of at least 90% identity	89.65
OTU.612	12, 82	*Burkholderia phenoliruptrix*, *Burkholderia graminis*	100.0
OTU.614	82	*Singulisphaera acidiphila*	99.73
OTU.619	12, 82	*Nocardioides hankookensis*	98.67
OTU.628	82	*Spirochaeta aurantia subsp. aurantia*	95.17

Table 2 – continued from previous page

OTU ID	Day of Response [b]	Top BLAST hits	BLAST %ID
OTU.629	82	No hits of at least 90% identity	83.99
OTU.635	12	*Sphingomonadaceae bacterium KMM 6042*	99.2
OTU.636	12	*Rummeliibacillus pycnus*	99.2
OTU.639	12, 82	*Pedobacter ginsengisoli*	100.0
OTU.640	12, 82	*Rhodococcus jostii*	99.73
OTU.642	82	No hits of at least 90% identity	88.03
OTU.645	12, 82	*Kaistia sp. 5YN7-3*, *Kaistia sp. B6-12*	100.0
OTU.649	12	*Kribbella antibiotica*, *Kribbella flavida*, *Kribbella sp. PIP 118*	100.0
OTU.655	12	*Bacillus gibsonii*	100.0
OTU.673	12	*Ramlibacter tataouinensis*	98.66
OTU.678	12, 82	*Shinella granuli*, *Shinella zoogloeoides*	100.0
OTU.680	82	No hits of at least 90% identity	88.0
OTU.688	82	*Sphingobacteria bacterium RYG*	96.22
OTU.689	82	No hits of at least 90% identity	87.17
OTU.697	12, 82	*Dokdonella koreensis*	95.19
OTU.702	82	No hits of at least 90% identity	83.89
OTU.704	12, 82	*Microbacterium fluvii*, *Microbacterium pumilum*, *Microbacterium deminutum*, *Microbacterium terricola*	100.0
OTU.706	82	*Cellvibrio fulvus*	100.0
OTU.707	82	*Paracoccus sp. NB88*	99.46
OTU.715	82	No hits of at least 90% identity	86.74
OTU.720	82	*Luteolibacter sp. CCTCC AB 2010415*	99.2
OTU.734	12, 82	*Sphingomonas changbaiensis*	98.66
OTU.746	82	No hits of at least 90% identity	88.5
OTU.767	82	No hits of at least 90% identity	89.57
OTU.774	82	*Sphingobacteria bacterium RYG*	90.84
OTU.779	82	*Phenylobacterium falsum*	95.43
OTU.791	82	No hits of at least 90% identity	85.83
OTU.814	82	*Pirellula staleyi DSM 6068*	91.4
OTU.816	12	*Terriglobus saanensis SP1PR4*	98.13
OTU.827	82	*Roseomonas terrae*, *Roseomonas lacus*	98.12
OTU.831	82	*Acidiphilium acidophilum*	94.65
OTU.835	82	No hits of at least 90% identity	89.81
OTU.837	82	No hits of at least 90% identity	83.29

Table 2 – continued from previous page

OTU ID	Day of Response [b]	Top BLAST hits	BLAST %ID
OTU.838	12	No hits of at least 90% identity	85.41
OTU.840	82	*Dongia mobilis*	96.78
OTU.862	12, 82	*Mucilaginibacter sp. BR-18*	99.19
OTU.863	82	*Singulisphaera rosea*	92.8
OTU.873	12	*Hymenobacter algoricola*	100.0
OTU.876	12, 82	*Shimazuella kribbensis*	99.19
OTU.887	82	*Gemmatimonas aurantiaca*	92.74
OTU.897	82	*Bryobacter aggregatus*	92.47
OTU.900	12, 82	*Paenibacillus pocheonensis*	100.0
OTU.908	82	No hits of at least 90% identity	82.67
OTU.909	82	No hits of at least 90% identity	89.25
OTU.923	82	*Chitinimonas taiwanensis*, *Burkholderia soli*	90.45
OTU.924	82	No hits of at least 90% identity	88.56
OTU.939	12, 82	*Dyadobacter beijingensis*	97.57
OTU.940	82	*Asticcacaulis taihuensis*	96.26
OTU.942	12	*Hymenobacter rigui*	99.46
OTU.964	12	*Pelosinus fermentans*, *Pelosinus propionicus*	99.2
OTU.967	82	No hits of at least 90% identity	85.75
OTU.971	82	*Sphingobacteria bacterium RYG*	92.45
OTU.976	12, 82	*Paenibacillus borealis*	99.73
OTU.993	12, 82	*Fimbriimonas ginsengisoli Gsoil 348*	92.55
OTU.1008	82	*Phaselicystis flava*	92.25
OTU.1013	82	*Ilumatobacter fluminis*	94.15
OTU.1016	82	*Sphingomonas changbaiensis*	96.25
OTU.1022	12, 82	No hits of at least 90% identity	85.87
OTU.1031	82	*Bryobacter aggregatus*	90.86
OTU.1035	82	*Spirochaeta aurantia subsp. aurantia*	94.37
OTU.1045	12, 82	*Rhodanobacter sp. DCY45*, *Rhodanobacter fulvus*	100.0
OTU.1046	12	*Clostridium saccharoperbutylacetonicum*	99.73
OTU.1057	12	*Vampirovibrio chlorellavorus*	94.32
OTU.1062	82	*Ohtaekwangia koreensis*	93.51
OTU.1083	82	*Aciditerrimonas ferrireducens*	92.8
OTU.1085	12, 82	*Sphingomonas endophytica*, *Sphingomonas phyllosphaerae*	100.0
OTU.1090	82	*Ohtaekwangia koreensis*	94.61

Table 2 – continued from previous page

OTU ID	Day of Response [b]	Top BLAST hits	BLAST %ID
OTU.1102	82	*Geobacter grbiciae*, *Desulfuromonas michiganensis*, *Geobacter metallireducens*	90.27
OTU.1104	12	No hits of at least 90% identity	87.5
OTU.1106	82	*Adhaeribacter aerophilus*	91.83
OTU.1107	82	*Lysobacter sp. DCY21T*	99.2
OTU.1108	82	*Pirellula staleyi DSM 6068*	95.16
OTU.1119	12, 82	*Devosia crocina*, *Devosia riboflavina*	98.66
OTU.1120	82	*Chitinimonas taiwanensis*	91.47
OTU.1123	82	*Porticoccus litoralis*	92.49
OTU.1133	12, 82	*Pedobacter insulae*	98.11
OTU.1134	82	*Sporocytophaga myxococcoides*	98.65
OTU.1145	82	*Cohaesibacter gelatinilyticus*	90.45
OTU.1155	12	No hits of at least 90% identity	80.58
OTU.1166	82	*Planctomyces limnophilus*	91.47
OTU.1182	12	*Pseudomonas psychrotolerans*	99.46
OTU.1192	82	*Rhodococcus triatomae*	97.87
OTU.1195	12	*Segetibacter koreensis*	97.3
OTU.1200	82	*Frigoribacterium mesophilum*	99.73
OTU.1208	12	*Bacteriovorax stolpii*	98.93
OTU.1217	12	*Chitinophaga pinensis*	98.65
OTU.1222	12	*Bacillus aerophilus*, *Bacillus pumilus*, *Bacillus safensis*, *Bacillus stratosphericus*, *Bacillus altitudinis*	100.0
OTU.1226	12, 82	*Nocardiopsis alba*	100.0
OTU.1234	82	*Schlesneria paludicola*	97.31
OTU.1237	82	*Terrimonas ferruginea*	92.45
OTU.1240	12	*Hymenobacter sp. A2-91*	98.11
OTU.1252	82	*Singulisphaera rosea*	94.93
OTU.1259	82	No hits of at least 90% identity	80.11
OTU.1264	82	*Terrimonas lutea*	93.55
OTU.1272	12	No hits of at least 90% identity	85.11
OTU.1276	82	*Turneriella parva*	99.47
OTU.1288	82	No hits of at least 90% identity	86.15
OTU.1289	12	*Clostridium pascui*, *Clostridium peptidivorans*	95.72
OTU.1295	12, 82	*Leifsonia poae*	99.2
OTU.1301	82	*Burkholderia sp. ATSB16*	94.39

Table 2 – continued from previous page

OTU ID	Day of Response [b]	Top BLAST hits	BLAST %ID
OTU.1304	82	*Methylobacillus glycogenes*, *Methylobacillus sp. Lap*	97.33
OTU.1321	82	*Sphingobacteria bacterium RYG*	94.09
OTU.1323	82	*Cystobacter badius*, *Cystobacter velatus*, *Cystobacter miniatus*	94.93
OTU.1324	12, 82	*Sphingomonas japonica*	98.37
OTU.1329	82	No hits of at least 90% identity	89.04
OTU.1344	12, 82	*Hymenobacter ocellatus*	97.3
OTU.1347	82	*Friedmanniella spumicola*, *Friedmanniella okinawensis*, *Friedmanniella antarctica*, *Friedmanniella sp. W6*	100.0
OTU.1351	82	No hits of at least 90% identity	89.89
OTU.1366	12, 82	*Agromyces humatus*	99.73
OTU.1373	12, 82	*Dyella marensis*, *Dyella terrae*, *Fulvimonas soli*, *Dokdonella sp. LM 2-5*	95.45
OTU.1378	12	*Chitinophaga arvensicola*, *Chitinophaga niastensis*	93.24
OTU.1380	82	No hits of at least 90% identity	89.36
OTU.1384	12, 82	*Sphingomonas trueperi*, *Sphingomonas pituitosa*	96.78
OTU.1385	12, 82	*Sphingopyxis panaciterrae*, *Sphingopyxis chilensis*	100.0
OTU.1389	12	*Arthrobacter crystallopoietes*	98.13
OTU.1406	82	*Geminicoccus roseus*	92.49
OTU.1425	12	No hits of at least 90% identity	89.54
OTU.1428	82	*Chitinophaga ginsengisegetis*	92.18
OTU.1436	12	No hits of at least 90% identity	88.47
OTU.1439	82	*Chitinophaga sp. CS5-B1*	99.73
OTU.1490	82	No hits of at least 90% identity	81.42
OTU.1495	82	*Haliea mediterranea*	92.53
OTU.1496	12, 82	*Bdellovibrio bacteriovorus*	93.32
OTU.1506	12	*Paenibacillus turicensis*	98.66
OTU.1518	82	*Steroidobacter denitrificans*	96.79
OTU.1522	82	*Haliangium ochraceum*	91.03
OTU.1524	82	*Roseococcus suduntuyensis*	98.39
OTU.1535	82	*Nocardioides sp. OS4*, *Nocardioides fonticola*	98.13
OTU.1544	82	*Armatimonas rosea*	92.0
OTU.1550	12, 82	*Roseomonas ludipueritiae*	98.39

Table 2 – continued from previous page

OTU ID	Day of Response [b]	Top BLAST hits	BLAST %ID
OTU.1552	82	No hits of at least 90% identity	85.56
OTU.1553	82	*Singulisphaera rosea*	91.2
OTU.1556	12	*Paenibacillus agarexedens*, *Paenibacillus sputi*	98.12
OTU.1564	82	*Niastella yeongjuensis*	99.73
OTU.1566	82	*Panacagrimonas perspica*	98.12
OTU.1570	82	No hits of at least 90% identity	78.88
OTU.1574	12	*Dyadobacter ginsengisoli*	98.38
OTU.1575	12	*Exiguobacterium indicum*, *Exiguobacterium acetylicum*	100.0
OTU.1576	12, 82	*Delftia tsuruhatensis*, *Delftia lacustris*	98.66
OTU.1577	82	*Isosphaera-like str. OJF2*	94.16
OTU.1587	82	No hits of at least 90% identity	85.68
OTU.1588	82	*Pseudolabrys taiwanensis*	96.51
OTU.1593	82	No hits of at least 90% identity	89.87
OTU.1594	82	*Schlesneria paludicola*	94.1
OTU.1599	82	No hits of at least 90% identity	86.98
OTU.1613	82	*Phaselicystis flava*	91.47
OTU.1633	82	No hits of at least 90% identity	89.46
OTU.1636	82	*Phenylobacterium falsum*	97.04
OTU.1640	82	*Nocardioides halotolerans*	98.13
OTU.1659	12	*Paenibacillus daejeonensis*	100.0
OTU.1667	82	No hits of at least 90% identity	84.17
OTU.1670	82	No hits of at least 90% identity	89.84
OTU.1675	82	No hits of at least 90% identity	86.54
OTU.1680	82	*Pseudomonas alcaligenes*	98.1
OTU.1682	12	*Collimonas fungivorans*, *Oxalicibacterium faecigallinarum*, *Oxalicibacterium horti*	97.85
OTU.1684	12, 82	*Serratia marcescens*, *Serratia nematodiphila*	100.0
OTU.1714	82	No hits of at least 90% identity	83.33
OTU.1717	12	*Paenibacillus sacheonensis*	100.0
OTU.1724	82	No hits of at least 90% identity	84.1
OTU.1726	82	No hits of at least 90% identity	88.77
OTU.1727	12	*Salinirepens amamiensis*	94.35
OTU.1737	82	*Ferrimicrobium acidiphilum*	91.76
OTU.1741	82	*Cytophaga hutchinsonii ATCC 33406*	99.19

Table 2 – continued from previous page

OTU ID	Day of Response [b]	Top BLAST hits	BLAST %ID
OTU.1743	12, 82	*Clostridium saccharobutylicum*	96.25
OTU.1786	82	No hits of at least 90% identity	84.57
OTU.1796	12	*Bdellovibrio bacteriovorus*	93.32
OTU.1818	82	*Roseivirga spongicola*	91.35
OTU.1824	82	*Solibius ginsengiterrae*	91.85
OTU.1832	12, 82	*Phyllobacterium bourgognense*, *Phyllobacterium brassicacearum*, *Phyllobacterium sp. PEPV15*, *Phyllobacterium trifolii*, *Phyllobacterium myrsinacearum*	99.73
OTU.1836	82	No hits of at least 90% identity	89.12
OTU.1838	82	*Singulisphaera rosea*	90.43
OTU.1840	82	No hits of at least 90% identity	88.68
OTU.1842	82	*Adhaeribacter aquaticus*	90.76
OTU.1857	82	*Roseivirga spongicola*	93.48
OTU.1873	82	No hits of at least 90% identity	80.06
OTU.1877	12	*Stenotrophomonas terrae*	100.0
OTU.1892	82	*Halioglobus pacificus*	91.2
OTU.1897	82	*Fluviicola taffensis*	93.82
OTU.1919	82	No hits of at least 90% identity	89.13
OTU.1929	82	*Chitinophaga niastensis*, *Chitinophaga niabensis*	96.76
OTU.1945	82	*Ohtaekwangia koreensis*	90.59
OTU.1951	82	*Prosthecobacter dejongeii*, *Prosthecobacter debontii*	96.52
OTU.1952	82	No hits of at least 90% identity	87.47
OTU.1956	82	No hits of at least 90% identity	88.8
OTU.1958	82	*Legionella pneumophila subsp. pneumophila str. Philadelphia 1*, *Legionella anisa*, *Legionella pneumophila subsp. pascullei*	99.3
OTU.1974	82	*Solitalea canadensis*	100.0
OTU.1975	12	*Flavobacterium sp. THG 01*	94.61
OTU.1982	82	*Bryobacter aggregatus*	93.28
OTU.1986	12, 82	*Isosphaera-like str. OJF2*	93.9
OTU.1992	12, 82	*Streptomyces viridosporus*	99.2
OTU.1995	12	*Pseudoduganella violaceinigra*	99.46
OTU.1999	12, 82	*Aurantimonas sp. L9-753*	99.2
OTU.2018	12, 82	*Cellvibrio gandavensis*	98.12

Table 2 – continued from previous page

OTU ID	Day of Response [b]	Top BLAST hits	BLAST %ID
OTU.2026	12	No hits of at least 90% identity	82.31
OTU.2028	82	No hits of at least 90% identity	89.49
OTU.2067	82	*Sphingobacteria bacterium RYG*	92.45
OTU.2069	82	*Ferruginibacter alkalilentus*	94.91
OTU.2094	12, 82	No hits of at least 90% identity	88.86
OTU.2098	12	*Paenibacillus larvae subsp. larvae*	94.86
OTU.2100	12	*Sphingobacterium composti Ten et al. 2007*	94.07
OTU.2101	82	No hits of at least 90% identity	89.84
OTU.2132	82	*Ferruginibacter lapsinanis*	96.5
OTU.2138	12, 82	*Fluviicola taffensis*	98.92
OTU.2144	82	*Asticcacaulis benevestitus*	98.92
OTU.2148	12, 82	*Solibius ginsengiterrae*	91.6
OTU.2152	12	No hits of at least 90% identity	88.47
OTU.2153	82	No hits of at least 90% identity	77.21
OTU.2157	12, 82	*Sphingobium rhizovicinum*	100.0
OTU.2166	82	No hits of at least 90% identity	86.02
OTU.2200	82	No hits of at least 90% identity	89.84
OTU.2208	12, 82	*Mucilaginibacter sp. ANJLI2*	99.46
OTU.2213	82	*Singulisphaera rosea*	92.0
OTU.2216	12, 82	*Chitinophaga niabensis*	91.01
OTU.2220	82	No hits of at least 90% identity	89.54
OTU.2222	82	*Gemmata obscuriglobus*	94.39
OTU.2239	82	*Adhaeribacter aerophilus*	93.19
OTU.2276	82	*Singulisphaera rosea*	93.87
OTU.2277	12, 82	*Camelimonas lactis*	100.0
OTU.2279	82	No hits of at least 90% identity	79.2
OTU.2281	82	*Byssovorax cruenta*	94.12
OTU.2282	82	*Caedibacter caryophilus*	92.18
OTU.2287	12	No hits of at least 90% identity	88.0
OTU.2288	82	*Phenylobacterium lituiforme*	96.24
OTU.2294	82	*Dongia mobilis*	97.86
OTU.2301	82	*Pseudoxanthomonas mexicana*	100.0
OTU.2329	82	*Mucilaginibacter paludis*	99.19
OTU.2331	82	*Lysinimicrobium mangrovi*, *Demequina aestuarii*	98.93

Table 2 – continued from previous page

OTU ID	Day of Response [b]	Top BLAST hits	BLAST %ID
OTU.2354	82	*Methylovorus mays*, *Methylovorus glucosotrophus*, *Methylovorus menthalis*	98.66
OTU.2381	82	*Bryobacter aggregatus*	93.28
OTU.2383	82	No hits of at least 90% identity	89.54
OTU.2393	82	*Alkanibacter difficilis*	93.09
OTU.2405	82	No hits of at least 90% identity	85.11
OTU.2411	12, 82	*Dyadobacter sp. BZ26*	100.0
OTU.2420	82	No hits of at least 90% identity	89.7
OTU.2446	82	No hits of at least 90% identity	85.95
OTU.2450	82	No hits of at least 90% identity	86.9
OTU.2463	82	*Roseomonas sp. enrichment culture clone 03SU06-B1*, *Roseomonas stagni*	96.71
OTU.2478	82	*Prosthecobacter fluviatilis*	99.47
OTU.2482	12	*Paenibacillus castaneae*	99.46
OTU.2489	82	No hits of at least 90% identity	85.07
OTU.2497	82	No hits of at least 90% identity	84.76
OTU.2519	82	*Anaeromyxobacter dehalogenans*	90.19
OTU.2524	12	*Acinetobacter johnsonii*	100.0
OTU.2526	82	*Terrimonas sp. M-8*, *Terrimonas sp. RIB1-6*	97.3
OTU.2533	82	*Legionella sp. LegA*	97.59
OTU.2539	82	*Planctomyces maris*	90.32
OTU.2541	82	No hits of at least 90% identity	88.27
OTU.2548	82	No hits of at least 90% identity	86.84
OTU.2553	82	No hits of at least 90% identity	88.0
OTU.2565	82	*Caedibacter caryophilus*	91.11
OTU.2576	82	No hits of at least 90% identity	88.27
OTU.2584	82	*Flavihumibacter petaseus*	100.0
OTU.2590	82	No hits of at least 90% identity	83.52
OTU.2594	82	*Vampirovibrio chlorellavorus*	93.78
OTU.2611	82	No hits of at least 90% identity	85.91
OTU.2619	82	*Isosphaera-like str. OJF2*	92.59
OTU.2622	82	No hits of at least 90% identity	79.51
OTU.2623	12, 82	*Sphingomonas insulae*	97.86
OTU.2624	82	No hits of at least 90% identity	87.16
OTU.2654	82	*Kaistia sp. 5YN7-3*, *Kaistia sp. B6-12*	96.77

Table 2 – continued from previous page

OTU ID	Day of Response [b]	Top BLAST hits	BLAST %ID
OTU.2656	82	No hits of at least 90% identity	89.04
OTU.2658	82	*Thiohalobacter thiocyanaticus*	92.78
OTU.2660	82	No hits of at least 90% identity	89.59
OTU.2669	82	*Singulisphaera acidiphila*	93.33
OTU.2671	82	No hits of at least 90% identity	82.62
OTU.2675	82	*Sphingomonas trueperi*, *Sphingomonas pituitosa*, *Sphingomonas sp. C16y*	96.26
OTU.2701	12, 82	*Paenibacillus agaridevorans*	98.93
OTU.2708	82	No hits of at least 90% identity	87.8
OTU.2714	12, 82	*Flavobacterium pectinovorum*, *Flavobacterium chungnamense*	97.27
OTU.2737	12, 82	*Agromyces sp. NIO-1018*, *Agromyces sp. MJ21*	100.0
OTU.2738	12	*Pseudomonas rhizosphaerae*, *Pseudomonas abietaniphila*	100.0
OTU.2739	82	*Zavarzinella formosa*	92.49
OTU.2741	82	No hits of at least 90% identity	79.84
OTU.2759	82	No hits of at least 90% identity	83.73
OTU.2769	82	No hits of at least 90% identity	84.88
OTU.2770	82	No hits of at least 90% identity	86.06
OTU.2778	82	No hits of at least 90% identity	88.8
OTU.2780	82	*Fimbriimonas ginsengisoli Gsoil 348*	96.27
OTU.2788	82	*Singulisphaera rosea*	94.13
OTU.2791	82	No hits of at least 90% identity	87.5
OTU.2794	82	*Ohtaekwangia koreensis*	95.41
OTU.2821	82	No hits of at least 90% identity	88.95
OTU.2828	82	*Sphingopyxis taejonensis*	100.0
OTU.2833	82	*Rhizomicrobium palustre*, *Rhizobiales bacterium Mfc52*	91.69
OTU.2865	82	*Rhizomicrobium palustre*	93.01
OTU.2885	12	*Chitinophaga sancti*	94.28
OTU.2895	82	*Verrucomicrobiaceae bacterium DC2a-G7*	99.46
OTU.2926	82	No hits of at least 90% identity	88.62
OTU.2932	82	*Sediminibacterium salmoneum*	91.6
OTU.2943	82	*Afipia massiliensis*	97.58
OTU.2948	12, 82	*Variovorax paradoxus*, *Xenophilus aerolatus*	98.92
OTU.2968	82	*Opitutus terrae*	92.78

Table 2 – continued from previous page

OTU ID	Day of Response [b]	Top BLAST hits	BLAST %ID
OTU.2978	82	No hits of at least 90% identity	86.15
OTU.2996	12, 82	*Luteolibacter sp. CCTCC AB 2010415*	97.06
OTU.3033	82	*Nannocystis pusilla*	100.0
OTU.3040	12	*Enterococcus saccharolyticus*, *Enterococcus casseliflavus*, *Enterococcus gallinarum*	100.0
OTU.3050	82	*Sulfuricella denitrificans*	92.72
OTU.3061	12, 82	*Pigmentiphaga litoralis*	100.0
OTU.3068	12, 82	*Promicromonospora thailandica*	99.47
OTU.3071	82	No hits of at least 90% identity	88.5
OTU.3072	82	*Chitinophaga niabensis*	90.49
OTU.3081	82	*Hymenobacter sp. OR362-8*	97.03
OTU.3082	12	*Kineococcus radiotolerans*, *Kineococcus sp. RP-B16*	100.0
OTU.3094	12, 82	*Azospirillum melinis*	99.73
OTU.3105	82	*Terrimonas lutea*	94.86
OTU.3106	12, 82	*Mucilaginibacter sp. BDR-9*	98.92
OTU.3116	82	*Chelatococcus daeguensis*, *Rhizobium sp. HT4*	94.35
OTU.3119	82	No hits of at least 90% identity	87.47
OTU.3121	82	No hits of at least 90% identity	86.12
OTU.3133	12	*Brevibacillus ginsengisoli*	100.0
OTU.3135	12, 82	*Bdellovibrio bacteriovorus*	93.6
OTU.3147	82	*Legionella shakespearei*	95.72
OTU.3148	12	*Epilithonimonas lactis*	98.37
OTU.3149	82	No hits of at least 90% identity	81.96
OTU.3160	82	No hits of at least 90% identity	89.87
OTU.3208	12	*Novosphingobium sp. LL02*, *Novosphingobium hassiacum*, *Novosphingobium aromaticivorans DSM 12444*	97.59
OTU.3226	12	*Sphingobacterium bambusae*	98.92
OTU.3230	82	*Isosphaera-like str. OJF2*	92.59
OTU.3255	82	*Verrucomicrobium spinosum*	97.86
OTU.3274	82	No hits of at least 90% identity	81.12
OTU.3279	82	*Phaselicystis flava*	90.11
OTU.3282	82	*Sediminibacterium salmoneum*	95.14
OTU.3303	82	*Luteolibacter sp. CCTCC AB 2010415*	91.76
OTU.3313	82	*Methylococcus capsulatus*	90.13

Table 2 – continued from previous page

OTU ID	Day of Response [b]	Top BLAST hits	BLAST %ID
OTU.3315	12	*Sphingobacterium kitahiroshimense*, *Sphingobacterium anhuiense*, *Sphingobacterium faecium*	100.0
OTU.3343	82	*Reyranella massiliensis*	96.25
OTU.3345	82	No hits of at least 90% identity	88.14
OTU.3368	82	*Aeromicrobium ponti*	98.66
OTU.3373	12, 82	*Skermanella aerolata*	99.2
OTU.3415	82	No hits of at least 90% identity	89.63
OTU.3416	12	*Paenibacillus vulneris*	96.78
OTU.3425	82	No hits of at least 90% identity	89.52
OTU.3432	12	*Duganella sp. T54*, *Duganella zoogloeoides*	98.66
OTU.3454	82	*Legionella quinlivanii*	96.52
OTU.3469	82	*Legionella shakespearei*	97.07
OTU.3479	12	*Chryseobacterium anthropi*	98.38
OTU.3481	82	*Frankia sp. S9-650*	95.2
OTU.3509	12	*Massilia timonae*	98.39
OTU.3512	82	*Rickettsia sibirica*, *Rickettsia rickettsii*, *Rickettsia akari (agent of rickettsialpox)*	90.32
OTU.3515	82	*Dyadobacter ginsengisoli*	96.76
OTU.3522	12	*Pantoea eucalypti*, *Pantoea wallisii*, *Pantoea vagans*, *Pantoea agglomerans*	97.86
OTU.3540	12	No hits of at least 90% identity	88.77
OTU.3553	12	*Acidovorax sp. NF1078*	98.36
OTU.3558	82	*Paucibacter toxinivorans*	98.39
OTU.3562	82	*Solibius ginsengiterrae*	92.74
OTU.3573	82	No hits of at least 90% identity	87.7
OTU.3579	82	*Terrimonas sp. M-8*	97.57
OTU.3601	82	*Gluconacetobacter johannae*, *Gluconacetobacter azotocaptans*	95.17
OTU.3606	82	*Ilumatobacter fluminis*	93.35
OTU.3630	12	*Saccharibacillus kuerlensis*	100.0
OTU.3666	82	*Legionella cincinnatiensis*, *Legionella longbeachae*	96.52
OTU.3676	12, 82	*Chitinophaga ginsengisegetis*	100.0
OTU.3723	12	*Flavobacterium sp. DS-12*	97.03
OTU.3745	82	No hits of at least 90% identity	84.31
OTU.3748	82	No hits of at least 90% identity	89.54
OTU.3776	12	*Chryseobacterium ureilyticum*	98.92

Table 2 – continued from previous page

OTU ID	Day of Response [b]	Top BLAST hits	BLAST %ID
OTU.3844	82	*Luteolibacter sp. CCTCC AB 2010415*	96.27
OTU.3845	82	No hits of at least 90% identity	87.19
OTU.3852	82	*Arcticibacter svalbardensis MN12-7*	90.03
OTU.3865	82	No hits of at least 90% identity	85.09
OTU.3873	82	*Chondromyces robustus*	92.02
OTU.3882	82	*Legionella pneumophila subsp. fraseri*	94.12
OTU.3891	82	*Ferrovibrio denitrificans*	91.44
OTU.3898	82	*Legionella cincinnatiensis*	96.53
OTU.3910	12, 82	*Flavobacterium caeni*, *Flavobacterium sp. R-HLS-17*	95.08
OTU.3932	12, 82	*Herbaspirillum rhizosphaerae*, *Herbaspirillum hiltneri*, *Herbaspirillum autotrophicum*	97.58
OTU.3954	12, 82	*Paucimonas lemoignei*	97.58
OTU.3986	82	*Hyalangium minutum*, *Cystobacter gracilis*	97.86
OTU.3989	12	*Labrys methylaminiphilus*	99.73
OTU.4052	82	No hits of at least 90% identity	81.43
OTU.4067	82	*Phenylobacterium lituiforme*	97.55
OTU.4074	82	*Cytophaga hutchinsonii ATCC 33406*	91.64
OTU.4124	82	*Geminicoccus roseus*	97.31
OTU.4127	12	*Devosia subaequoris*	97.31
OTU.4147	12	*Ornithinibacter aureus*	99.2
OTU.4151	12, 82	*Singulisphaera rosea*	94.13
OTU.4166	82	*Leucobacter sp. NAL101*, *Leucobacter tardus*, *Leucobacter alluvii*, *Leucobacter chromiiresistens JG 31*	98.67
OTU.4167	12	*Paenibacillus pectinilyticus*	95.69
OTU.4168	82	No hits of at least 90% identity	86.35
OTU.4182	82	*Cystobacter armeniaca*, *Cystobacter miniatus*	95.14
OTU.4188	82	*Sphingomonas japonica*	95.98
OTU.4216	82	*Mesorhizobium albiziae*	98.39
OTU.4222	82	No hits of at least 90% identity	87.81
OTU.4234	82	*Ohtaekwangia koreensis*	93.51
OTU.4238	82	No hits of at least 90% identity	87.11
OTU.4249	82	*Cytophaga hutchinsonii ATCC 33406*, *Adhaeribacter aquaticus*	91.08
OTU.4271	82	*Afipia felis (cat scratch disease bacillus)*, *Oligotropha carboxidovorans*	97.33

Table 2 – continued from previous page

OTU ID	Day of Response [b]	Top BLAST hits	BLAST %ID
OTU.4275	82	*Hydrotalea flava*	91.89
OTU.4393	82	No hits of at least 90% identity	86.36
OTU.4403	82	No hits of at least 90% identity	88.24
OTU.4426	82	No hits of at least 90% identity	86.52
OTU.4435	82	*Sphingomonas jaspsi*, *Kaistobacter terrae*	96.0
OTU.4440	82	No hits of at least 90% identity	88.86
OTU.4442	12	*Dyadobacter fermentans*	97.3
OTU.4485	82	*Hydrotalea flava*	95.37
OTU.4498	82	*Legionella drancourtii*, *Legionella lytica*, *Legionella sp.*	97.87
OTU.4502	82	*Caulobacter fusiformis*	94.09
OTU.4520	82	*Nubsella zeaxanthinifaciens*, *Pedobacter rhizospharae*	96.76
OTU.4524	12, 82	*Sphingomonas asaccharolytica*, *Sphingomonas sp. S8-3*	98.39
OTU.4576	82	*Luteolibacter sp. E100*	95.72
OTU.4588	82	No hits of at least 90% identity	85.64
OTU.4593	82	*Devosia albogilva*	94.92
OTU.4599	12	*Clostridium argentinense*	94.39
OTU.4620	12, 82	*Chitinophaga arvensicola*	93.53
OTU.4652	82	No hits of at least 90% identity	88.58
OTU.4688	82	*Sphingomonas japonica*	95.98
OTU.4703	12, 82	*Sphingobium rhizovicinum*	96.78
OTU.4769	12, 82	No hits of at least 90% identity	89.04
OTU.4776	12	*Lentzea waywayandensis*, *Lentzea flaviverrucosa*	99.73
OTU.4782	12	*Paenibacillus hodogayensis*	97.86
OTU.4783	82	*Rhodoblastus acidophilus*, *Rhodoblastus sphagnicola*	95.97
OTU.4804	82	No hits of at least 90% identity	87.06
OTU.4855	82	*Acidisphaera rubrifaciens*, *Roseomonas vinacea*	95.17
OTU.4883	82	*Adhaeribacter aerolatus*	92.08
OTU.4905	82	*Ohtaekwangia kribbensis*	94.07
OTU.5024	82	*Pirellula staleyi DSM 6068*	90.03
OTU.5046	82	No hits of at least 90% identity	87.9
OTU.5050	82	*Cupriavidus sp. CPDB6*	94.93
OTU.5056	12, 82	*Pedobacter koreensis*	97.57

Table 2 – continued from previous page

OTU ID	Day of Response [b]	Top BLAST hits	BLAST %ID
OTU.5095	82	*Sphingobacteria bacterium RYG*	94.61
OTU.5124	12	*Chryseobacterium daeguense*	98.65
OTU.5172	82	*Porticoccus litoralis*	91.71
OTU.5180	82	*Phenylobacterium lituiforme*	98.12
OTU.5188	82	No hits of at least 90% identity	89.39
OTU.5235	82	*Phaselicystis flava*	90.79
OTU.5278	12, 82	*Paenibacillus lautus*	97.57
OTU.5289	82	*Singulisphaera rosea*	95.73
OTU.5296	82	*Verrucomicrobium spinosum*	90.19
OTU.5298	82	No hits of at least 90% identity	84.97
OTU.5310	82	*Thiobacillus aquaesulis*	91.71
OTU.5333	82	*Kaistia sp. B1-1*	99.73
OTU.5441	12, 82	*Rhodopseudomonas sp. R-45977*	98.66
OTU.5476	82	*Rhizomicrobium palustre*	92.39
OTU.5485	82	*Singulisphaera rosea*	91.73
OTU.5650	12	*Deinococcus gobiensis*	98.65
OTU.5660	82	No hits of at least 90% identity	87.6
OTU.5677	12	*Burkholderia hospita*	98.39
OTU.5705	82	*Chitinophaga ginsengisegetis*	90.22
OTU.5727	12, 82	*Paenibacillus rigui*, *Paenibacillus vulneris*	97.59
OTU.5758	82	*Steroidobacter denitrificans*, *Nitrosococcus oceani ATCC 19707*	90.11
OTU.5798	82	*Sphingomonas sp. YC6722*	99.73
OTU.5801	82	*Sphingobacteria bacterium RYG*, *Ohtaekwangia koreensis*	90.57
OTU.5812	82	*Mesorhizobium chacoense*	98.12
OTU.5815	12	*Singulisphaera rosea*	93.6
OTU.5818	82	*Schlesneria paludicola*	97.85
OTU.5861	82	No hits of at least 90% identity	83.56
OTU.5881	12	*Microvirga guangxiensis*	97.55
OTU.5887	12	*Geodermatophilus sp. YIM 75980*	96.0
OTU.5906	12	*Paenibacillus rhizosphaerae*, *Paenibacillus favisporus*, *Paenibacillus illinoisensis*, *Paenibacillus cineris*, *Paenibacillus cellulositrophicus*	95.41
OTU.5920	82	*Legionella pneumophila subsp. pneumophila str. Philadelphia 1*, *Legionella pneumophila subsp. pascullei*	97.83

Table 2 – continued from previous page

OTU ID	Day of Response [b]	Top BLAST hits	BLAST %ID
OTU.5922	12	*Hymenobacter sp. DCY57*	98.38
OTU.5942	82	*Actinoplanes liguriensis*	99.73
OTU.5951	82	*Chitinophaga arvensicola*	92.7
OTU.6004	82	*Devosia limi*	98.92
OTU.6008	12	*Delftia tsuruhatensis*, *Delftia lacustris*	98.12
OTU.6028	82	No hits of at least 90% identity	87.13
OTU.6097	82	*Chitinophaga niabensis*	97.03
OTU.6141	12	*Hymenobacter elongatus*	98.11
OTU.6176	82	*Erythrobacter gaetbuli*	97.86
OTU.6180	12, 82	*Duganella sp. Sac-41*	97.85
OTU.6190	12	*Oxalicibacterium horti*	99.18
OTU.6238	82	*Ilumatobacter fluminis*	93.07
OTU.6263	82	*Isosphaera-like str. OJF2*	93.12
OTU.6279	82	*Roseomonas sp. enrichment culture clone 03SU5-P1*	95.71
OTU.6328	12, 82	*Pseudomonas brassicacearum subsp. neoaurantiaca*, *Pseudomonas frederiksbergensis*	99.73
OTU.6339	82	*Mesorhizobium amorphae*, *Mesorhizobium opportunistum WSM2075*, *Mesorhizobium silamurunense*	97.55
OTU.6391	82	No hits of at least 90% identity	88.95
OTU.6395	82	*Nocardioides islandensis*	98.1
OTU.6410	82	*Adhaeribacter terreus*	90.44
OTU.6427	82	*Singulisphaera rosea*	93.73
OTU.6431	12	*Massilia sp. D5*	97.31
OTU.6436	12	*Microlunatus ginsengisoli*	99.46
OTU.6446	12, 82	*Diaphorobacter nitroreducens*, *Comamonas terrigena*, *Acidovorax caeni*	97.58
OTU.6477	12	*Edaphobacter aggregans*	97.59
OTU.6478	82	*Schlesneria paludicola*	98.01
OTU.6487	12	*Glaciimonas sp. A2-57*, *Glaciimonas immobilis*, *Oxalicibacterium faecigallinarum*, *Oxalicibacterium horti*	97.31
OTU.6495	12, 82	*Rhizobiales bacterium WSM3557*	98.92
OTU.6508	82	*Niastella populi*	96.49
OTU.6510	12, 82	*Rhizobium mesosinicum*, *Rhizobium alamii*, *Arthrobacter viscosus*	98.37
OTU.6514	82	No hits of at least 90% identity	88.92

Table 2 – continued from previous page

OTU ID	**Day of Response** [b]	**Top BLAST hits**	**BLAST %ID**
OTU.6542	82	No hits of at least 90% identity	88.12
OTU.6585	12, 82	*Streptomyces spp.*	98.38
OTU.6596	82	No hits of at least 90% identity	83.11
OTU.6599	12	*Methylophilus methylotrophus*, *Methylotenera versatilis 301*, *Methylotenera mobilis*	98.13
OTU.6633	12, 82	*Burkholderia zhejiangensis*	97.86
OTU.6640	12, 82	*Adhaeribacter terreus*	98.05
OTU.6704	12	*Chryseobacterium sp. THG 15*, *Chryseobacterium formosense*	98.37
OTU.6735	82	*Brevundimonas staleyi*	98.12
OTU.6749	82	*Sediminibacterium salmoneum*	95.95
OTU.6751	12	*Kaistobacter sp. Gsoil 634*	99.17
OTU.6764	12, 82	*Paenibacillus aestuarii*	96.51
OTU.6801	12	*Bacillus bataviensis*, *Bacillus novalis*, *Bacillus drentensis*, *Bacillus vireti*, *Bhargavaea ginsengi*, *Bacillus soli*	97.33
OTU.6822	12	*Sphingomonas changbaiensis*	99.16
OTU.6826	12	*Telluria mixta*	97.58
OTU.6838	12	No hits of at least 90% identity	82.56
OTU.6848	12, 82	*Rhizobium skierniewicense*	98.12
OTU.6852	12	*Chryseobacterium jejuense*	96.45
OTU.6868	12, 82	*Caulobacter vibrioides*, *Caulobacter segnis*	98.66
OTU.6876	82	*Thiohalophilus thiocyanatoxydans*	92.18
OTU.6898	82	*Arenimonas malthae*	96.77
OTU.6900	12	*Alicyclobacillus disulfidooxidans*, *Alicyclobacillus contaminans*	94.89
OTU.6947	12	*Gaiella occulta*	92.29
OTU.6979	12	*Rhizobium larrymoorei*	97.28
OTU.6993	82	No hits of at least 90% identity	82.8
OTU.7027	82	No hits of at least 90% identity	86.91
OTU.7041	12, 82	*Altererythrobacter sp. H32*, *Altererythrobacter sp. MSW-14*	94.09
OTU.7064	12, 82	*Stenotrophomonas pavanii*, *Stenotrophomonas maltophilia*	97.3
OTU.7074	12	No hits of at least 90% identity	89.67
OTU.7077	12	*Streptomyces mutomycini*, *Streptomyces atroolivaceus*, *Streptomyces finlayi*, *Streptomyces clavifer*	97.86

Table 2 – continued from previous page

OTU ID	**Day of Response** [b]	**Top BLAST hits**	**BLAST %ID**
OTU.7083	82	No hits of at least 90% identity	87.06
OTU.7092	12	*Novosphingobium hassiacum*	97.58
OTU.7106	82	*Devosia neptuniae*	99.19
OTU.7112	12	*Yokenella spp.*, *Pantoea spp.*, *Kluyvera spp.*, *Klebsiella spp.*, *Erwinia spp.*, *Enterobacter spp.*, *Citrobacter spp.*, *Cedecea spp.*	94.39
OTU.7117	82	No hits of at least 90% identity	88.53
OTU.7143	12	*Thermoleophilum minutum*, *Pseudomonas thivervalensis*, *Pseudomonas lini*	98.38
OTU.7167	12	*Sphingomonas sp. BH3*	95.69
OTU.7208	12	*Nubsella zeaxanthinifaciens*	98.33
OTU.7299	12	*Dyella sp. ATSB10*, *Dyella ginsengisoli*	98.38
OTU.7309	82	*Niastella sp. JCN-23*	95.1
OTU.7313	12	*Rhodococcus qingshengii*, *Rhodococcus erythropolis*, *Rhodococcus sp. djl-6-2*, *Nocardia coeliaca*	98.38
OTU.7319	82	*Chitinophaga niabensis*	95.41
OTU.7377	82	No hits of at least 90% identity	83.82
OTU.7431	82	*Luteimonas marina*, *Thermomonas dokdonensis*, *Luteimonas lutimaris*	97.33
OTU.7453	12	No hits of at least 90% identity	83.6
OTU.7454	12, 82	*Pedobacter boryungensis*	99.19
OTU.7457	82	*Reyranella massiliensis*	95.41
OTU.7461	82	*Sphingomonas fennica*	98.39
OTU.7463	82	*Hydrotalea flava*, *Chitinophaga arvensicola*	92.33
OTU.7538	82	*Aquabacterium parvum*, *Aquabacterium commune*	97.29
OTU.7609	82	*Niastella sp. JCN-23*, *Niastella populi*	95.68
OTU.7610	12, 82	*Schlesneria paludicola*	93.3
OTU.7616	12, 82	*Sphingomonas yunnanensis*	97.86
OTU.7631	82	*Rhizomicrobium palustre*	92.2
OTU.7646	12, 82	*Novosphingobium hassiacum*	97.32
OTU.7650	82	No hits of at least 90% identity	86.4
OTU.7652	82	*Porphyrobacter tepidarius*	96.51
OTU.7664	82	*Sphingobacteria bacterium RYG*	95.42
OTU.7701	12	*Rhodoplanes elegans*	96.19

Table 2 – continued from previous page

OTU ID	Day of Response [b]	Top BLAST hits	BLAST %ID
OTU.7731	82	*Amnibacterium kyonggiense*	98.13
OTU.7735	12	*Paenibacillus sp. WPCB018*	99.46
OTU.7764	82	*Sporichthya polymorpha*	95.73
OTU.7779	12, 82	*Luteimonas sp. KMM 9005*	98.07
OTU.7786	12, 82	*Stenotrophomonas rhizophila*	98.65
OTU.7839	82	*Opitutus terrae*	91.64
OTU.7922	82	No hits of at least 90% identity	88.56
OTU.7943	12, 82	*Pseudomonas pseudoalcaligenes*, *Pseudomonas oleovorans subsp. lubricantis*, *Pseudomonas alcaliphila*, *Pseudomonas composti*, *Pseudomonas toyotomiensis*	98.93
OTU.7950	12	*Massilia namucuonensis*	98.1
OTU.7978	12	*Methylobacterium goesingense*, *Methylobacterium marchantiae*, *Methylobacterium sp. F3.2*	98.91
OTU.7995	12, 82	*Roseomonas aquatica*, *Belnapia moabensis*	96.25
OTU.8028	12	No hits of at least 90% identity	88.77
OTU.8077	12, 82	*Adhaeribacter terreus*	97.03
OTU.8085	12	*Jeotgalibacillus sp. WS 4628*	98.13
OTU.8117	12	*Luteimonas lutimaris*	96.53
OTU.8228	82	*Sphingobacteria bacterium RYG*	92.2
OTU.8238	82	*Sphingobacteria bacterium RYG*	91.94
OTU.8259	82	*Rhodoplanes roseus*	96.2
OTU.8266	12, 82	*Arthrobacter koreensis*, *Arthrobacter citreus*, *Arthrobacter luteolus*	93.1
OTU.8270	82	No hits of at least 90% identity	86.68
OTU.8278	12, 82	*Isoptericola nanjingensis*, *Isoptericola hypogeus*, *Isoptericola variabilis*	99.73
OTU.8409	12, 82	*Acidovorax temperans*	98.91
OTU.8484	82	*Streptomyces aomiensis*	96.67
OTU.8620	12, 82	No hits of at least 90% identity	88.68
OTU.8633	82	*Caulobacter henricii*, *Brevundimonas-like sp. LMG 11050*, *Caulobacter sp.*	94.62
OTU.8661	12, 82	*Mucilaginibacter jinjuensis*	98.38
OTU.8678	82	No hits of at least 90% identity	85.03
OTU.8700	82	No hits of at least 90% identity	86.13
OTU.8710	12	*Pedobacter koreensis*	97.3

Table 2 – continued from previous page

OTU ID	Day of Response [b]	Top BLAST hits	BLAST %ID

[a] log_2 fold change greater than 1, adjusted P-value less than 0.10.