

Supplementary Data S3. Subpolar and lateral flagellar systems distribution in sequenced representative *Rhizobiales* order species

Family	Genus	Species/Genome ^a	No. of sequenced genomes ^b	Subpolar flagellum	Lateral flagellum	Subpolar flagellum ascc. No	Lateral flagellum ascc. No.	Reference
Aurantimonadaceae	Aurantimonas	<i>A. corallicida</i> DSM 14790 ^T	2	-	+		BBWN01000012.1	
		<i>A. endophytica</i> KCTC 52296 ^T	0					
		<i>A. litoralis</i> KCTC 12094 ^T	0					
		<i>A. manganoxydans</i> DSM 21871 ^T	2	-	+		CH672387.1	
	Aureimonas	<i>A. altamirensis</i> DSM 21988 ^T	3		n.m/n.d.			Jurado et al., 2006 (10.1099/ijs.0.64397-0)
		<i>A. endophytica</i> KCTC 52217 ^T	0					
		<i>A. ferruginea</i> JCM 18444 ^T	0					
		<i>A. frigidaquae</i> JCM 14755 ^T	1		n.d.			
		<i>A. glaciei</i> KCTC 52359 ^T	0					
		<i>A. glaciistagni</i> JCM 30183 ^T	0					
		<i>A. rubiginis</i> JCM 18445 ^T	0					
		<i>A. ureilytica</i> DSM 18598 ^T	4	-	+		ARQE01000005.1	
		<i>A. jatrophae</i> DSM 25025 ^T	1	-	+		FNIT01000006.1	
		<i>A. phyllosphaerae</i> DSM 25026 ^T	1	-	+		FOOA01000003.1	
	Fulvimarina	<i>F. manganoxydans</i> CGMCC 1.10972 ^T	1	-	+		FWXR01000006.1	
		<i>F. pelagi</i> DSM 15513 ^T	2	-	+		BBWO01000012.1	
	<i>Jiella</i>	<i>J. aquimaris</i> JCM 30119 ^T	0					
	Martellella	<i>M. endophytica</i> YC6887 ^T	1		n.m/n.d.			Bibi et al., 2013 (10.1099/ijs.0.048785-0)
		<i>M. mangrovi</i> DSM 28102 ^T	0					
		<i>M. mediterranea</i> DSM 17316 ^T	2		n.m/n.d.			Rivas et al., 2005 (10.1099/ijs.0.63438-0)
		<i>M. radialis</i> DSM 28101 ^T	0					
Bartonellaceae	Bartonella	<i>B. acomydis</i> KCTC 23907 ^T	0					
		<i>B. alsatica</i> IBS 382 ^T	1		n.d.			
		<i>B. ancashensis</i> 20.00 ^T	1	-	+		CP010401.1	
		<i>B. apis</i> PEB0122 ^T	6	-	+		LXYU01000002.1	
		<i>B. australis</i> Aust/NH1 ^T	1		n.d.			
		<i>B. bacilliformis</i> ATCC 35685 ^T	16	-	+		CP000524.1	
		<i>B. birtlesii</i> IBS 325 ^T	6		n.d.			
		<i>B. bovis</i> 91-4 ^T	2	-	+		CM001844.1	
		<i>B. callosciuri</i> KCTC 23909 ^T	0					
		<i>B. capreoli</i> DSM 21569 ^T	0					
		<i>B. chomelii</i> DSM 21431 ^T	0					
		<i>B. clarridgeiae</i> ATCC 51734 ^T	2	-	+		KI912398.1	
		<i>B. coopersplainsensis</i> DSM 23499 ^T	0					
		<i>B. doshae</i> ATCC 700133 ^T	3		n.d.			
		<i>B. durdenii</i>	0					
		<i>B. elizabethae</i> ATCC 49927 ^T	4		n.d.			
		<i>B. florencae</i> R4 ^T	1		n.d.			
		<i>B. fuyuanensis</i> DSM 100694 ^T	0					
		<i>B. grahamii</i> ATCC 700132 ^T	2		n.d.			
		<i>B. heixiaziensis</i> DSM 100695 ^T	0					
		<i>B. henselae</i> Houston-1 ^T	23		n.d.			
		<i>B. jaculi</i> KCTC 23655 ^T	0					
		<i>B. japonica</i> DSM 23650 ^T	0					
		<i>B. koehlerae</i> C-29 ^T	1		n.d.			
		<i>B. massiliensis</i>	0					
		<i>B. melophagi</i> K-2C	1	-	+		JH725084.1	
		<i>B. pachyuromydis</i>	0					

		<i>B. peromysci</i> KCTC 23657 ^T	0				
		<i>B. phoceensis</i> CIP 107707 ^T	0				
		<i>B. queenslandensis</i> Aust/NH15	1		n.m./n.d.		Gundi et al., 2009 (10.1099/ijms.0.002865-0)
		<i>B. quintana</i> RM-11	14		n.d.		
		<i>B. rattaaustraliani</i> Aust/NH4 ^T	1		n.m./n.d.		Gundi et al., 2009 (10.1099/ijms.0.002865-0)
		<i>B. rattimassiliensis</i> 15908	2		n.m./n.d.		Gundi et al., 2004 (10.1128/JCM.42.8.3816-3818.2004)
		<i>B. rochalimae</i> ATCC BAA-1498 ^T	1	-	+	FN645457.1	
		<i>B. schoenbuchensis</i> R1 ^T	2	-	+	CP019789.1	
		<i>B. senegalensis</i> OS02 ^T	1		n.m./n.d.		Mediannikov et al., 2013 (10.4056/sigs.3807472)
		<i>B. silvatica</i> DSM 23649 ^T	0				
		<i>B. silvicola</i>	0				
		<i>B. talpae</i>	0				
		<i>B. tamiae</i> Th307	2		n.d.		
		<i>B. taylorii</i> 8TBB	2		n.d.		
		<i>B. tribocorum</i> CIP 105476 ^T	2		n.d.		
		<i>B. vinsonii</i> Winnie	5		n.d.		
		<i>B. volans</i>	0				
		<i>B. washoensis</i> Sb944nv	2		n.d.		
		<i>B. weisii</i>	0				
<i>Beijerinckiaceae</i>	<i>Beijerinckia</i>	<i>B. derxii</i> DSM 2328 ^T	0				
		<i>B. doebereineriae</i> LMG 2819 ^T	0				
		<i>B. fluminensis</i> CIP 106281 ^T	0				
		<i>B. indica</i> ATCC 9039 ^T	1	-	+	CP001016.1	
		<i>B. mobilis</i> UQM 1969 ^T	1	-	+	JQJH01000002.1	
	<i>Camelimonas</i>	<i>C. abortus</i> DSM 24741 ^T	0				
		<i>C. fluminis</i> KCTC 42282 ^T	0				
		<i>C. lactis</i> CCUG 58638 ^T	0				
	<i>Chelatococcus</i>	<i>C. csaccharovorans</i> DSM 6462 ^T	0				
		<i>C. caeni</i> KCTC 32487 ^T	0				
		<i>C. daeguensis</i> TAD1	2	-	+	CP018095.1	
		<i>C. reniformis</i> JCM 30308 ^T	0				
		<i>C. sambhunathii</i> DSM 18167 ^T	2	-	+	LIOL01000001.1	
	<i>Methylocapsa</i>	<i>M. acidiphila</i> B2 ^T	1		n.m./n.d.		Dedysch et al., 2002 (10.1099/00207713-52-1-251)
		<i>M. aurea</i> KYG ^T	1	-	+	JQKO01000014.1	
		<i>M. palsarum</i> NE2 ^T	1	-	+	FOSN01000001.1	
	<i>Methylocella</i>	<i>M. palustris</i> ATCC 700799 ^T	0				
		<i>M. silvestris</i> BL2 ^T	1	-	+	NC_011666.1	
		<i>M. tundrae</i> DSM 15673 ^T	0				
	<i>Methyloferula</i>	<i>M. stellata</i> AR4 ^T	1	-	+	ARWA01000001.1	
	<i>Methyloporosula</i>	<i>M. polaris</i> DSM 22001 ^T	0				
	<i>Methylovirgula</i>	<i>M. ligni</i> DSM 19998 ^T	0				
	<i>Pseudochelatococcus</i>	<i>P. contaminans</i> LMG 28285 ^T	0				
		<i>P. lubricantis</i> LMG 28286 ^T	0				
<i>Bradyrhizobiaceae</i>	<i>Afipia</i>	<i>A. birgiae</i> 34632 ^T	1	+	-	HG326654.1	
		<i>A. broomeae</i> ATCC 49717 ^T	1	+	-	AGWX01000004.1	
		<i>A. clevelandensis</i> ATCC 49720 ^T	1	+	-	AGWY01000007.1	
		<i>A. felis</i> ATCC 53690 ^T	2	+	-	AGWZ01000001.1	
		<i>A. lausannensis</i>	0				
		<i>A. massiliensis</i> LC387 ^T	1	+	-	LBIA01000001.1	
	<i>Blastobacter</i>	<i>B. henricii</i>	0				
	<i>Bossea</i>	<i>B. eneae</i> CIP 106338 ^T	0				
		<i>B. lathyri</i> LMG 26379 ^T	0				
		<i>B. lupini</i> LMG 26383 ^T	1	+	-	FOAN01000010.1	
		<i>B. massiliensis</i> CIP 106336 ^T	0				

	<i>B. manatitlanensis</i> ATCC 700918 ^T	0				
	<i>B. robiniae</i> DSM 26672 ^T	1	+	-	FNBZ01000002.1	
	<i>B. thiooxidans</i> DSM 9653 ^T	2	+	-	FUYX01000001.1	
	<i>B. vaviloviae</i> Vaf-18 ^T	2	+	+	CP017147.1	CP017147.1
	<i>B. vestrisii</i> CIP 106340 ^T	0				
Bradyrhizobium	<i>B. americanum</i> LMG 29514 ^T	0				
	<i>B. arachidis</i> LMG 26795 ^T	1	+	+	FPBQ01000003.1	FPBQ01000002.1
	<i>B. betae</i> IMG 21987 ^T	0				
	<i>B. canariense</i> GAS369	15	+	-	LT629750.1	
	<i>B. centrosemantis</i> LMG 29515 ^T	0				
	<i>B. cytisi</i> LMG 25866 ^T	0				
	<i>B. daqingense</i> CGMCC 1.10947 ^{Tc}	1	+	+		
	<i>B. denitrificans</i> ATCC 43295 ^T	0				
	<i>B. diazoefficiens</i> USDA 110 ^T	5	+	+	BA000040.2	BA000040.2
	<i>B. elkanii</i> USDA 76 ^T	13	+	-	KB900701.1	
	<i>B. embrapense</i> SEMIA 6208 ^T	1	+	-	LFIP02000003.1	
	<i>B. erythrophlei</i> MT12	5	+	-	FNTH01000001.1	
	<i>B. ferriligni</i> CCBAU 51502 ^T	0				
	<i>B. ganzhouense</i> CCAU 101088 ^T	0				
	<i>B. guangdongense</i> LMG 28620 ^T	0				
	<i>B. guangxiense</i> LMG 28621 ^T	0				
	<i>B. icense</i> LMTR 13 ^T	1	+	-	CP016428	
	<i>B. ingae</i> HAMBI 3600 ^T	0				
	<i>B. iriomotense</i> LMG 24129 ^T	0				
	<i>B. japonicum</i> USDA 6 ^T	23	+	+	AP012206.1	AP012206.1
	<i>B. jicamae</i> PAC68 ^T	1	+	-	LLXZ01000016.1	
	<i>B. kavangense</i> DSM 100299 ^T	0				
	<i>B. lablabi</i> CCBAU 23086 ^T	4	+	-	LLYB01000082.1	
	<i>B. liaoningense</i> CCNWSX0360	3	+	+	LUKO01000219.1	LUKO01000044.1
	<i>B. manausense</i> BR3351 ^T	1	+	+	LJYG01000054.1	LJYG01000026.1
	<i>B. mercantei</i> SEMIA 6399 ^T	1	+	-	MKFI01000001.1	
	<i>B. neotropicale</i> BR 10247 ^T	1	+	+	LSEF01000057.1	LSEF01000114.1
	<i>B. oligotrophicum</i> S58 ^T	1	+	-	NC_020453.1	
	<i>B. ottawaense</i> GAS524	2	+	-	LT629693.1	
	<i>B. pachyrhizi</i> PAC48 ^T	2	+	-	LFIQ01000120.1	
	<i>B. paxllaeri</i> LMTR 21 ^T	1	+	-	MAXB01000079.1	
	<i>B. retamae</i> Ro19 ^T	1	+	-	LLYA01000191.1	
	<i>B. rifense</i> LMG 26781 ^T	0				
	<i>B. stylosanthis</i> BR 446 ^T	1	+	-	LVEM01000001.1	
	<i>B. subterraneum</i> DSM 100298 ^T	0				
	<i>B. tropiciagri</i> SEMIA 6148 ^T	1	+	-	LFIP02000003.1	
	<i>B. valentinum</i> LmjM3 ^T	2	+	-	LLXX01000235.1	
	<i>B. vignae</i> DSM 100297 ^T	0				
	<i>B. viridifuturi</i> SEMIA 690 ^T	1	+	-	LGTB01000070.1	
	<i>B. yuanmingense</i> CCBAU 10071 ^T	5	+	+	FMAE01000011.1	FMAE01000001.1
Nitrobacter	<i>N. alkalicus</i> LMD 97.163 ^T	0				
	<i>N. hamburgensis</i> X14 ^T	1	+	-	NC_007964	
	<i>N. vulgaris</i> Ab1	1	+	-	MWPQ01000026.1	
	<i>N. winogradskyi</i> Nb-255 ^T	1	+	-	NC_007406	
Oligotroph	<i>O. carboxidovorans</i> ATCC 49405 ^T	3	+	-	CP001196.1	
Photorhizobium	<i>P. thompsonianum</i>	0				
Rhodoblastus	<i>R. acidophilus</i> DSM 137 ^T	1	-	+		NZ_FYDG01000006.1
	<i>R. sphagnicola</i> DSM 16996 ^T	0				
Rhodopseudomonas	<i>R. boonkerdii</i> NBRC 106595 ^T	0				

	<i>R. faecalis</i> JCM 11668 ^T	0				
	<i>R. harwoodiae</i> NBRC 107575 ^T	0				
	<i>R. julia</i> DSM 11549 ^T	0				
	<i>R. lichen</i>	0				
	<i>R. oryzae</i>	0				
	<i>R. palustris</i> BisA53	11	+	+	CP000463.1	CP000463.1
	<i>R. parapalustris</i> NBRC 106083 ^T	0				
	<i>R. pentothentaxigens</i> NBRC 108862 ^T	0				
	<i>R. pseudopalustris</i> DSM 123 ^T	1	+	-	FODT01000007.1	
	<i>R. rhénobacensis</i> DSM 12706 ^T	0				
	<i>R. telluris</i> NBRC 107609 ^T	0				
	<i>R. thermotolerans</i> NBRC 108863 ^T	0				
<i>Salinarimonas</i>	<i>S. ramus</i> DSM 22962 ^T	0				
	<i>S. rosea</i> DSM 21201^T	1	+	+	AUBC01000001.1	AUBC01000006.1
<i>Tardiphaga</i>	<i>T. robiniae</i> Vaf-07	1	+	+	LVYV01000034.1	LVYV01000001.1
<i>Variibacter</i>	<i>V. gotjawalensis</i> LMG 28093 ^T	0				
<i>Brucellaceae</i>	<i>Brucella</i>					
	<i>B. abortus</i> 544 ^T	197	-	+		AQIS01000009.1
	<i>B. canis</i> RM6/66 ^T	20	-	+		CP007759.1
	<i>B. ceti</i> TE28753-12	9	-	+		CP006899.1
	<i>B. inopinata</i> BO1 ^T	2	-	+		ADEZ01000028.1
	<i>B. melitensis</i> 16M ^T	155	-	+		AE008918.1
	<i>B. microti</i> CCM 4915 ^T	1	-	+		CP001579.1
	<i>B. neotomae</i> 5K33 ^T	3	-	+		JMSC01000004.1
	<i>B. ovis</i> ATCC 25840 ^T	16	-	+		CP000709.1
	<i>B. papionis</i> NCTC 13660 ^T	0				
	<i>B. pinnipedialis</i> B2/94	5	-	+		CP002079.1
	<i>B. suis</i> 1330 ^T	58	-	+		AE014292.2
	<i>B. vulpis</i> F60 ^T	2	-	+		LN997864.1
	<i>Daeguia</i>					
	<i>D. caeni</i> KCTC 12981 ^T	0				
	<i>Falsochrobactrum</i>					
	<i>F. ovis</i> LMG 27356 ^T	0				
	<i>Mycoplana</i>					
	<i>M. dimorpha</i> ATCC 4279 ^T	0				
	<i>M. peli</i>	0				
	<i>M. ramosa</i> ATCC 49678 ^T	0				
<i>Ochrobactrum</i>	<i>O. anthropi</i> ATCC 49188 ^T	15	-	+		CP000759.1
	<i>O. ciceri</i> DSM 22292 ^T	0				
	<i>O. cytisi</i> IPA7.2	1	-	+		MOEC01000003.1
	<i>O. daejeonense</i> KCTC 22458 ^T	0				
	<i>O. endophyticum</i> DSM 29930 ^T	0				
	<i>O. gallinifaecis</i> DSM 15295 ^T	0				
	<i>O. grignonense</i> OgA9a ^T	1	-	+		NNRL01000162.1
	<i>O. guangzhouense</i>	0				
	<i>O. haematophilum</i> CIP 109452 ^T	0				
	<i>O. intermedium</i> LMG 3301 ^T	8	-	+		ACQA01000002.1
	<i>O. lupini</i> LUP21 ^T	1	-	+		NNRN01000065.1
	<i>O. oryzae</i> DSM 17471 ^T	0				
	<i>O. pecoris</i> DSM 23868 ^T	0				
	<i>O. pituitosum</i> AA22	1	-	+		CP018782.1
	<i>O. pseudointermedium</i> DSM 17490 ^T	0				
	<i>O. pseudogrignonense</i> CCUG 30717 ^T	2	-	+		NNRM01000020.1
	<i>O. rhizosphaerae</i> PR17 ^T	2	-	+		NNRK01000035.1
	<i>O. shirianus</i>	0				
	<i>O. thiophenivorans</i> DSM 7216 ^T	1		n.m./n.d.		Kämpfer et al., 2008 (10.1099/ijs.0.65407-0)
	<i>O. tritici</i> DSM 13340 ^T	0				
<i>Paenochrobactrum</i>	<i>P. gallinarii</i> CCUG 57736 ^T	0				

	<i>P. glaciei</i> JCM 15115 ^T	0					
	<i>P. pullorum</i> LMG 28095 ^T	0					
<i>Pseudochrobactrum</i>	<i>P. asaccharolytium</i> CIP 108977 ^T	0					
	<i>P. kiredjianiae</i> CIP 109227 ^T	0					
	<i>P. lubricantis</i> CCUG 56963 ^T	0					
	<i>P. saccharolyticum</i> CIP 108976 ^T	0					
<i>Cohaesibacteraceae</i>	<i>Breoghania</i>	<i>B. corrubedonensis</i> DSM 23382 ^T	0				
	<i>Cohaesibacter</i>	<i>C. gelatinilyticus</i> DSM 18289 ^T	0				
		<i>C. haloalkalitolerans</i> NBRC 109022 ^T	0				
		<i>C. marisflavi</i> CGMCC 1.9157 ^T	1	+	+	FOVR01000010.1	FOVR01000002.1
<i>Hyphomicrobiaceae</i>	<i>Ancalomicrobium</i>	<i>A. adetum</i> DSM 4722 ^T	0				
	<i>Angulomicrobium</i>	<i>A. amanitifforme</i> DSM 15561 ^T	0				
		<i>A. tetradrale</i> DSM 5895 ^T	0				
	<i>Aquabacter</i>	<i>A. spiritensis</i> DSM 9035 ^T	0				
	<i>Arsenicitalea</i>	<i>A. aurantica</i> KCTC 42835 ^T	0				
	<i>Blastochloris</i>	<i>B. gulmargensis</i> DSM 19786 ^T	0				
		<i>B. sulfovirdis</i> DSM 729 ^T	0				
		<i>B. viridis</i> DSM 133 ^T	3	+	-	AP014854.2	
	<i>Cucumibacter</i>	<i>C. marinus</i> DSM 18995 ^T	1	+	-	AUCR01000009.1	
	<i>Devosia</i>	<i>D. albogilva</i> MTCC 8594 ^T	0				
		<i>D. chinhatensis</i> IPL18 ^T	1	+	-	JZEY01000054.1	
		<i>D. confluentis</i> NBRC 112271 ^T	0				
		<i>D. crocina</i> IPL20 ^T	1	+	-	FPCK01000001.1	
		<i>D. enhydra</i> ATCC 23634 ^T	1	+	-	FPKU01000001.1	
		<i>D. epidermidihirudinis</i> E84 ^T	1	+	-	LANJ01000045.1	
		<i>D. geojensis</i> BD-c194 ^T	1	+	-	JZEX01000147.1	
		<i>D. ginsengisoli</i>	0				
		<i>D. glacialis</i> LMG 26051 ^T	0				
		<i>D. honganensis</i> ATCC 19737 ^T	0				
		<i>D. humi</i> KACC 18281 ^T	0				
		<i>D. hwasunensis</i>	0				
		<i>D. insulae</i> DS-56 ^T	1	+	-	LAJE02000291.1	
		<i>D. limi</i> DSM 17137 ^T	2	+	-	FQVC01000004.1	
		<i>D. lucknowensis</i> L15 ^T	1	+	-	FXWK01000001.1	
		<i>D. mishustinii</i> CCM 7569 ^T	0				
		<i>D. nanyangense</i>	0				
		<i>D. neptuniae</i> LMG 21357 ^T	0				
		<i>D. pacifica</i> KCTC 32437 ^T	0				
		<i>D. psychrophila</i> Cr7-05 ^T	2	+	-	LAPV01000086.1	
		<i>D. riboflavina</i> IFO13584 ^T	1	+	-	JQGC01000035.1	
		<i>D. soli</i> GH2-10 ^T	1	+	-	LAJG01000014.1	
		<i>D. subaequois</i> KCTC 12772 ^T	0				
		<i>D. submarina</i> NRIC 0884 ^T	0				
		<i>D. terrae</i>	0				
		<i>D. yakushimensis</i> LMG 24299 ^T	0				
	<i>Dichotomicrobium</i>	<i>D. thermohalophilum</i> DSM 5002 ^T	0				
	<i>Filomicrobium</i>	<i>F. fusiforme</i> DSM 5304 ^T	0				
		<i>F. insigne</i> CGMCC 1.6497 ^T	1	-	+	FNJC01000002.1	
<i>Hyphomicrobium</i>		<i>H. aestuarii</i> ATCC 27483 ^T	0				
		<i>H. chloromethanicum</i> NCIMB 13687 ^T	0				
		<i>H. denitrificans</i> ATCC 51888 ^T	2	-	+	CP002083.1	
		<i>H. facile</i> DSM 1565 ^T	1	-	+	FPCH01000003.1	
		<i>H. hollandicum</i> ATCC 27498 ^T	0				
		<i>H. methylovorum</i> DSM 5458 ^T	0				

	<i>H. nitratorans</i> NL23 ^T	1	-	+		NC_022997.1
	<i>H. sulfonivorans</i> WDL6	1	-	+		LMTR01000065.1
	<i>H. vulgare</i> ATCC 33404 ^T	0				
	<i>H. zavarzinii</i> ATCC 27496 ^T	1	-	+		KB911255.1
<i>Maritalea</i>	<i>M. mobilis</i> JCM 15144 ^T	0				
	<i>M. myrionectae</i> DSM 19524 ^T	1	+	-	AUHV01000003.1	
	<i>M. porphyrae</i> LMG 25872 ^T	0				
<i>Methylobacterium</i>	<i>M. multivorans</i> ATCC 51890 ^T	0				
<i>Methylobacterium</i>	<i>M. soli</i> JCM 30821 ^T	0				
<i>Paradevosi</i>	<i>P. shaoguanensis</i> LMG 27409 ^T	0				
<i>Pedomicrobium</i>	<i>P. americanum</i> ATCC 43612 ^T	0				
	<i>P. australicum</i> ATCC 43611 ^T	0				
	<i>P. ferrugineum</i> ATCC 33119 ^T	0				
	<i>P. manganicum</i> ATCC 33121 ^T	0				
<i>Pelagibacterium</i>	<i>P. halotolerans</i> B2 ^T	1	+	-	NC_016078.1	
	<i>P. lentulum</i> KCTC 52551 ^T	0				
	<i>P. luteolum</i> CGMCC 1.10267 ^T	1	+	-	FNCS01000013.1	
	<i>P. nitratreducens</i> JCM 17767 ^T	0				
	<i>P. rhizosphaerae</i> KACC 18791 ^T	0				
<i>Polyprothecobacterium</i>	<i>P. yinchuanense</i>	0				
<i>Prothecobacterium</i>	<i>P. hirschii</i> 16	1	+	-	LJYW01000001.1	
	<i>P. pneumaticum</i> DSM 8972 ^T	0				
<i>Rhodomicrobium</i>	<i>R. udaipurensis</i> JA643 ^T	1	-	+	JFZJ01000032.1	
	<i>R. vannielii</i> ATCC 17100 ^T	2	-	+	CP002292.1	
<i>Rhodoplanes</i>	<i>R. elegans</i> DSM 11907 ^T	0				
	<i>R. oryzae</i> NBRC 109406 ^T	0				
	<i>R. piscinae</i> KCTC 5627 ^T	0				
	<i>R. pokkaliisoli</i> NBRC 104972 ^T	0				
	<i>R. roseus</i> DSM 5909 ^T	0				
	<i>R. serenus</i> DSM 18633 ^T	0				
	<i>R. tepidamans</i> DSM 9987 ^T	0				
<i>Robiginosimarina</i>	<i>R. monoshimaensis</i>	0				
<i>Seliberia</i>	<i>S. tellata</i> JCM 21594 ^T	0				
<i>Youhaiella</i>	<i>Y. tibetensis</i> JCM 19854 ^T	0				
<i>Meganema</i>	<i>M. perideroedes</i> DSM 15528 ^T	1	n.m./n.d.		McIlroy et al., 2015 (10.1186/s40793-015-0013-1)	
<i>Methylobacteriaceae</i>	<i>E. rhinocerotis</i> DSM 25903 ^T	0				
<i>Methylobacterium</i>	<i>M. adhaesivum</i> CECT 7069 ^T	0				
	<i>M. aerolatum</i> DSM 19013 ^T	0				
	<i>M. aminovorans</i> ATCC 51358 ^T	0				
	<i>M. aquaticum</i> DSM 16371 ^T	5	+	+	LABX01000173.1	LABX01000132.1
	<i>M. branchiatum</i> 111MFTsu3.1M4	1	+	+	FOQW01000013.1	FOQW01000020.1
	<i>M. brachythecii</i> DSM 24105 ^T	0				
	<i>M. bullatum</i> DSM 21893 ^T	0				
	<i>M. cerastii</i> DSM 23679 ^T	0				
	<i>M. dankookense</i> DSM 22415 ^T	0				
	<i>M. extorquens</i> DM4 ^T	7	+	+	NC_012988.1	NC_012988.1
	<i>M. fujisawaense</i> DSM 5686 ^T	0				
	<i>M. gnaphalii</i> DSM 24027 ^T	0				
	<i>M. goesingense</i> DSM 21331 ^T	0				
	<i>M. gossipicola</i> Gh-105 ^T	1	+	-	FOPM01000007.1	
	<i>M. gregans</i> DSM 19564 ^T	0				
	<i>M. haplocladii</i> DSM 24195 ^T	0				
	<i>M. hispanicum</i> DSM 16372 ^T	0				
	<i>M. indicum</i> SE2.11 ^T	2	+	+	JTHF01000313.1	JTHF01000098.1

	<i>M. iners</i> DSM 19015 ^T	0					
	<i>M. isbiliense</i> CECT 7068 ^T	0					
	<i>M. jeotgali</i> LMG 23639 ^T	0					
	<i>M. komagatae</i> DSM 19563 ^T	0					
	<i>M. longum</i> DSM 23933 ^T	0					
	<i>M. marchantiae</i> DSM 21328 ^T	0					
	<i>M. mesophilicum</i> SR1.6/6	1	+	-	ANPA01000018.1		
	<i>M. nodulans</i> ORS 2060 ^T	1	+	-	NC_011894.1		
	<i>M. organophilum</i> DSM 760 ^T	0					
	<i>M. oryzae</i> CBMB20 ^T	1	+	+	CP003811.1	CP003811.1	
	<i>M. oxalidis</i> DSM 24028 ^T	0					
	<i>M. persicinum</i> DSM 19562 ^T	0					
	<i>M. phyllosphaerae</i> CBMB27 ^T	3	+	-	CP015367.1		
	<i>M. phyllostachyos</i> BL47 ^T	1	+	+	FNHS01000014.1	FNHS01000008.1	
	<i>M. platani</i> PMB02 ^T	3	+	+	LWHQ01000006.1	LWHQ01000004.1	
	<i>M. podarium</i> DSM 15083 ^T	0					
	<i>M. populi</i> BJ001 ^T	3	+	+	CP001029.1	CP001029.1	
	<i>M. pseudosasa</i> NBRC 105205 ^T	0					
	<i>M. pseudosasicola</i> BL36 ^T	1	+	-	FOTK01000006.1		
	<i>M. radiotolerans</i> JMC 2831 ^T	7	+	+	CP001001.1	CP001001.1	
	<i>M. lusitanum</i> DSM 14457 ^T	0					
	<i>M. rhodesianum</i> DSM 5687 ^T	0					
	<i>M. rhodinum</i> JCM 2811 ^T	1		n.d.			
	<i>M. salsuginis</i> CGMCC 1.6474 ^T	1	+	+	FOSV01000002.1	FOSV01000017.1	
	<i>M. soli</i> KCTC 22810 ^T	0					
	<i>M. specialis</i>	0					
	<i>M. suomiense</i> DSM 14458 ^T	0					
	<i>M. tardum</i> DSM 19566 ^T	0					
	<i>M. tarhaniae</i> DSM 25844 ^T	1	+	+	LABZ01000200.1	LABZ01000071.1	
	<i>M. thiocyanatum</i> JCM 10893 ^T	1		n.d.			
	<i>M. thuringiense</i> LMG 25777 ^T	0					
	<i>M. trifolii</i> LMG 25778 ^T	0					
	<i>M. variabile</i> DSM 16961 ^T	1	+	+	LABY01000037.1	LABY01000026.1	
	<i>M. zatmanii</i> PSBB041	1	+	+		CP021054..1	
Microvirga	<i>M. aerilata</i> NBRC 106137 ^T	0					
	<i>M. aerophila</i> NBRC 106136 ^T	0					
	<i>M. arabica</i> DSM 25393 ^T	0					
	<i>M. flocculans</i> ATCC BAA-817 ^T	1	-	+		JAEA01000009.1	
	<i>M. guangxiensis</i> CGMCC 1.7666 ^T	1	-	+		FMVJ01000002.1	
	<i>M. indica</i> KACC 18792 ^T	0					
	<i>M. lotononidis</i> WSM3557 ^T	1	-	+		JH660647.1	
	<i>M. lupini</i> Lut6 ^T	1		n.m/n.d.			Reeve et al., 2014 (10.4056/sigs.5249382)
	<i>M. makkahensis</i> DSM 25394 ^T	0					
	<i>M. massiliensis</i> JC119 ^T	2	+	+	CAHM01000265.1	CAHM01000317.1	
	<i>M. oossetica</i> LMG 29787 ^T	0					
	<i>M. soli</i> NBRC 112417 ^T	0					
	<i>M. subterranea</i> DSM 14364 ^T	0					
	<i>M. vignae</i> BR3299 ^T	1	-	+		LCYG01000014.1	
	<i>M. zambiensis</i> LMG 26454 ^T	0					
Neomegalonema	<i>N. perideroedes</i> DSM 15528 ^T	1		n.d.			
	<i>P. arctica</i> KACC 17684 ^T	0					
Methylocystaceae	<i>Albibacter</i>						
	<i>A. helveticus</i> CIP 106788 ^T	0					
	<i>A. methylovorans</i> DSM 22840 ^T	0					
	<i>Chthonobacter</i>						
	<i>C. albigriseus</i> JCM 30603 ^T	0					

<i>Hansschlegelia</i>	<i>H. beijingsensis</i> DSM 25481 ^T	0				
	<i>H. plantiphila</i> NCIMB 14035 ^T	0				
	<i>H. zhuhuaiae</i> DSM 18984 ^T	0				
<i>Methylocystis</i>	<i>M. bryophila</i> S285	1		n.m./n.d.		Belova et al., 2013 (10.1099/ijs.0.043505-0)
	<i>M. echinoides</i> IMET 10491 ^T	0				
	<i>M. heyeri</i> DSM16984 ^T	0				
	<i>M. hirsuta</i> DSM 18500 ^T	0				
	<i>M. methanolicus</i>	0				
	<i>M. minimus</i>	0				
	<i>M. parvus</i> OBBP ^T	1		-	+	AJTV01000013.1
	<i>M. pyriformis</i>	0				
	<i>M. rosea</i> SV97 ^T	1		n.m./n.d.		Wartiainen et al., 2006 (10.1099/ijs.0.63912-0)
<i>Methylophila</i>	<i>M. capsulata</i> DSM 6130 ^T	0				
	<i>M. henanensis</i> LMG 25959 ^T	0				
	<i>M. jiangsuensis</i> DSM 22718 ^T	0				
	<i>M. musalis</i> DSM 24986 ^T	0				
	<i>M. oligotrophica</i> CCUG 63805 ^T	0				
	<i>M. turkensis</i> DSM 27566 ^T	0				
<i>Methylosinus</i>	<i>M. acidophilus</i>	0				
	<i>M. pucelana</i>	0				
	<i>M. sporium</i> ATCC 35069 ^T	0				
	<i>M. trichosporium</i> OB3b ^T	1		-	+	ADVE02000001.1
<i>Methylosporovibrio</i>	<i>M. methanica</i>	0				
<i>Oharaebacter</i>	<i>O. diazotrophicus</i> DSM 102969 ^T	0				
<i>Pleomorphomonas</i>	<i>P. diazotrophica</i> DSM 25022 ^T	0				
	<i>P. koreensis</i> DSM 23070 ^T	1		+	-	AULH01000007.1
	<i>P. oryzae</i> DSM 16300^T	1		+	+	AUHB01000012.1 AUHB01000003.1
<i>Terasakiella</i>	<i>T. brassicae</i> KCTC 42652 ^T	0				
	<i>T. pusilla</i> DSM 6293 ^T	1		+	-	JHYO01000010.1
Phyllobacteriaceae	<i>Aliihoeflea</i>	0				
	<i>A. aestuarii</i> DSM 19536 ^T	0				
	<i>A. aganoensis</i> DSM 7051 ^T	0				
	<i>A. aminovorans</i> KCTC 2477	1		-	+	CP015005.1
	<i>A. anthyllidis</i> LMG 26462 ^T	0				
	<i>A. ciceronei</i> ATCC 202197 ^T	0				
	<i>A. lissarensis</i> NCIMB 13789 ^T	0				
	<i>A. niigataensis</i> DSM 7050 ^T	0				
	<i>A. aerolatum</i> DSM 21857 ^T	1		n.d.		
	<i>A. aestuarii</i> JCM 16876 ^T	0				
	<i>A. ahrensii</i> DSM 19730 ^T	0				
	<i>A. defluvii</i> W13Z1	1		-	+	JENY01000006.1
	<i>A. lusatiense</i> DSM 11099 ^T	0				
	<i>A. segne</i> DSM 18714 ^T	0				
	<i>A. soli</i> KCTC 52165 ^T	0				
	<i>A. terrae</i> DSM 27865 ^T	0				
	<i>Chelativorans</i>	0				
	<i>C. composti</i> JCM 17863 ^T	0				
	<i>C. intermedius</i> DSM 29391 ^T	0				
	<i>C. multitrophicus</i> DSM 9103 ^T	0				
	<i>C. oligotrophicus</i> DSM 19276 ^T	0				
<i>Corticibacterium</i>	<i>C. populi</i> KCTC 42249 ^T	0				
<i>Hoeflea</i>	<i>H. alexandrii</i> DSM 16655 ^T	0				
	<i>H. anabaenae</i> CCUG 56626 ^T	0				
	<i>H. halophila</i> JCM 16715 ^T	0				
	<i>H. marina</i> ATCC 25654 ^T	0				
	<i>H. olei</i> JC234 ^T	1		-	+	LQZT01000042.1

	<i>H. phototrophica</i> DFL-43 ^T	1	-	+	CM002917.1
	<i>H. siderophila</i>	0			
<i>Lentilitoribacter</i>	<i>L. donghaensis</i> KCTC 32082 ^T	0			
<i>Mesorhizobium</i>	<i>M. abyssinicae</i> LMG 26967 ^T	0			
	<i>M. acaciae</i> JCM 30534 ^T	0			
	<i>M. albiziae</i> DSM 21822 ^T	0			
	<i>M. alhagi</i> CCNWXJ12-2 ^T	1	-	+	AHAM01000061.1
	<i>M. amorphae</i> CCNWGS0123	3	-	+	CP015318.1
	<i>M. australicum</i> WSM2073 ^T	2	-	+	CP003358.1
	<i>M. calcicola</i> LMG 28224 ^T	0			
	<i>M. cameltorni</i> ATCC 14549 ^T	0			
	<i>M. cantuariense</i> LMG 28225 ^T	0			
	<i>M. caraganae</i> LMG 24397 ^T	0			
	<i>M. chacoense</i> DSM 17287 ^T	0			
	<i>M. ciceri</i> WSM1271	6	-	+	CP002447.1
	<i>M. delmonti</i> LMG 29640 ^T	0			
	<i>M. erdmanii</i> USDA 3471 ^T	1	-	+	KI421455.1
	<i>M. gobiense</i> LMG 23949 ^T	0			
	<i>M. hawassense</i> LMG 26968 ^T	0			
	<i>M. hemanticense</i> LMG 29734 ^T	0			
	<i>M. huakuii</i> 7653R	1	-	+	CP006581.1
	<i>M. japonicum</i> MAFF303099	2	-	+	BA000012.4
	<i>M. jarvisii</i> ATCC 33669 ^T	0			
	<i>M. kowhaii</i> LMG 28222 ^T	0			
	<i>M. loti</i> NZP2037	20	-	+	CP016079.1
	<i>M. mediterraneum</i> USDA 3392	1		n.d.	
	<i>M. metallidurans</i> STM 2683 ^T	1		n.d.	
	<i>M. muleiense</i> CGMCC 1.11022 ^T	1		n.d.	
	<i>M. newzealandense</i> LMG 28226 ^T	0			
	<i>M. olivaresii</i> LMG 29295 ^T	0			
	<i>M. opportunistum</i> WSM2075 ^T	1	-	+	NC_015675.1
	<i>M. parafortuitum</i>	0			
	<i>M. plurifarum</i> ORS 1032 ^T	4	-	+	CCND01000017.1
	<i>M. prunaredense</i> 1	1		n.d.	
	<i>M. qingshengii</i> CGMCC 1.12097 ^T	1	-	+	FMXM01000006.1
	<i>M. robinae</i> ACCC 14543 ^T	0			
	<i>M. sangaii</i> ACCC 13218 ^T	0			
	<i>M. sediminum</i> KCTC 42205 ^T	0			
	<i>M. septentrionale</i> LMG 23930 ^T	0			
	<i>M. shangrilense</i> LMG 24762 ^T	0			
	<i>M. shonense</i> LMG 26966 ^T	0			
	<i>M. silamurunense</i> LMG 24822 ^T	0			
	<i>M. soli</i> JCM 19897 ^T	0			
	<i>M. sophorae</i> ICMP 19535 ^T	1	-	+	NNRI01000008.1
	<i>M. tamadayense</i> LMG 26736 ^T	0			
	<i>M. tarimense</i> LMG 24338 ^T	0			
	<i>M. temperatum</i> SDW018 ^T	1		n.d.	
	<i>M. thiogangeticum</i> LMG 22697 ^T	0			
	<i>M. tianshaense</i> DSM 11417 ^T	0			
	<i>M. waimense</i> LMG 28228 ^T	0			
	<i>M. waitaakense</i> LMG 28227 ^T	0			
<i>Nitrateductor</i>	<i>N. aestuarii</i> LMG 29090 ^T	0			
	<i>N. aquibiodomus</i> JCM 21793 ^T	3	-	+	BAMP01000001.1
	<i>N. aquimarinus</i> JCM 17288 ^T	0			

	<i>N. basaltis</i> RR3-28	1	-	+	CP019044.1
	<i>N. indicus</i> C115 ^T	2	-	+	AMSI01000010.1
	<i>N. kimnyeongensis</i> JCM 14851 ^T	0			
	<i>N. lacus</i> KCTC 52186 ^T	0			
	<i>N. lucknowense</i> DSM 24322 ^T	0			
	<i>N. pacificus</i> pht-3B ^T	1	-	+	AMRM01000029.1
	<i>N. shengliensis</i> LMG 27405 ^T	0			
	<i>N. soli</i> ZZ-1 ^T	1	-	+	LFVY01000010.1
<i>Oricola</i>	<i>O. cellulositytica</i> JCM 19534 ^T	0			
<i>Paramesorhizobium</i>	<i>P. deserti</i> A-3-E ^T	1	-	+	LNTU01000034.1
<i>Phyllobacterium</i>	<i>P. bourgognense</i> LMG 22837 ^T	0			
	<i>P. brassicacearum</i> LMG 22836 ^T	0			
	<i>P. catacumbae</i> LMG 22520 ^T	0			
	<i>P. endophyticum</i> LMG 26470 ^T	0			
	<i>P. ifriqiyense</i> LMG 22831 ^T	0			
	<i>P. laguminum</i> LMG 22833 ^T	0			
	<i>P. loti</i> LMG 27289 ^T	0			
	<i>P. myrsinacearum</i> DSM 5892 ^T	0			
	<i>P. sophorae</i> LMG 27899 ^T	0			
	<i>P. trifolii</i> LMG 22712 ^T	0			
<i>Pseudahrensia</i>	<i>P. aquimaris</i> KCTC 23345 ^T	0			
	<i>P. todarodis</i> JCM 30419 ^T	0			
<i>Pseudaminobacter</i>	<i>P. defluvii</i> NBRC 14570 ^T	0			
	<i>P. manganicus</i> JH-7 ^T	1	-	+	MDET01000003.1
	<i>P. salicylatoxidans</i> KCT001	1	-	+	CAIU01000025.1
<i>Pseudohoeftia</i>	<i>P. suedae</i> NBRC 107700 ^T	0			
<i>Roseitalea</i>	<i>R. porphyridii</i> JCM 31538 ^T	0			
<i>Thalassocella</i>	<i>T. subtropicalis</i>	0			
<i>Thalassocola</i>	<i>T. ureilytica</i> JCM 30682 ^T	0			
<i>Tianweitan</i>	<i>T. sediminis</i> JCM 30358 ^T	0			
<i>Rhizobiaceae</i>	<i>Amorphomonas</i>	0			
	<i>A. oryzae</i>	0			
	<i>Carbophilus</i>	0			
	<i>Ciceribacter</i>	0			
	<i>C. thiooxidans</i> KCTC 5223 ^T	0			
<i>Kaistia</i>	<i>K. adipata</i> DSM 17808 ^T	1	n.m./n.d.		Im et al., 2004 (10.2323/jgam.50.249)
	<i>K. dalseonensis</i> DSM 18800 ^T	0			
	<i>K. defluvii</i> JCM 18034 ^T	0			
	<i>K. geumhonensis</i> DSM 18799 ^T	0			
	<i>K. granuli</i> DSM 23481 ^T	1	n.m./n.d.		Lee et al., 2007 (10.1099/ij.s.0.65023-0)
	<i>K. hirudinis</i> LMG 26925 ^T	0			
	<i>K. soli</i> DSM 19436 ^T	1	n.m./n.d.		Weon et al., 20088 (10.1099/ij.s.0.65366-0)
	<i>K. terrae</i> DSM 21341 ^T	0			
<i>Liberibacter</i> ^d	<i>L. africanus</i> PTSAPSY	1	-	+	CP004021.1
	<i>L. americanus</i> Sao Paulo	2	-	+	CP006604.1
	<i>L. asiaticus</i> psy62	10	-	+	CP001677.5
	<i>L. crescens</i> BT-1 ^T	2	-	+	CP003789.1
	<i>L. europaeus</i>	0			
	<i>L. psyllaorus</i>	0			
	<i>L. solanacearum</i> CLso-ZC1	7	-	+	CP002371.1
<i>Agrobacterium</i>	<i>A. agile</i>	0			
	<i>A. albertimagni</i> AOL15	1	-	+	ALJF01000010.1
	<i>A. arsenijevicii</i> KFB 330 ^T	1	-	+	JWIT01000016.1
	<i>A. aurantiacum</i>	0			
	<i>A. fabrum</i> C58 ^T	2	-	+	AE007869.2

	<i>A. larrymoorei</i> ATCC 51759 ^T	1		n.d.	
	<i>A. rhizogenes</i> K599	9	-	+	CP019701.1
	<i>A. rubi</i> NBRC 13261 ^T	2		n.d.	
	<i>A. salinitolerans</i> YIC 5082 ^T	1	-	+	MRDH01000013.1
	<i>A. tumefaciens</i> Ach5	38	-	+	CP011246.1
	<i>A. viscosum</i>	0			
	<i>A. vitis</i> S4	13	-	+	CP000633.1
<i>Neorhizobium</i>	<i>N. alkalisoli</i> LMG 24763 ^T	0			
	<i>N. galegae</i> HAMBI 540 ^T	10	-	+	HG938353.1
	<i>N. huautlense</i> LMG 18254 ^T	0			
<i>Pararhizobium</i>	<i>P. antarcticum</i> 59	1	-	+	LSRP01000094.1
	<i>P. capsulatum</i> DSM 1112 ^T	0			
	<i>P. polonicum</i> F5.1 ^T	1	-	+	LGLV01000018.1
<i>Pseudorhizobium</i>	<i>P. pelagicum</i> R1-200B4 ^T	2	-	+	JOKI01000001.1
<i>Rhizobium</i>	<i>R. acidisoli</i> FH23	1	-	+	LJSR01000011.1
	<i>R. aegyptiacum</i> 950	1		n.d.	
	<i>R. aethiopicum</i> HBR26 ^T	1	-	+	FMAJ01000014.1
	<i>R. aggregatum</i> DSM 1111 ^T	0			
	<i>R. alamii</i> YR540	2	-	+	JQMB01000017.1
	<i>R. alvei</i> LMG 26895 ^T	0			
	<i>R. anhuiense</i> WYCCWR10015	1	-	+	LWMO01000062.1
	<i>R. arachis</i>	0			
	<i>R. arenae</i> MIM27 ^T	1	-	+	MOOY01000008.1
	<i>R. azibense</i> CCBAU 10108 ^T	0			
	<i>R. azooxidifex</i> DSM 100211 ^T	0			
	<i>R. bangladeshense</i> 1017	3	-	+	LYPK01000011.1
	<i>R. binae</i> DSM 29288 ^T	0			
	<i>R. borbori</i> LMG 23925 ^T	0			
	<i>R. calliandrae</i> CIP 110456 ^T	0			
	<i>R. capsici</i> JCM 19535 ^T	0			
	<i>R. cauense</i> LMG 26832 ^T	0			
	<i>R. cellulosityticum</i> DSM 18291 ^T	0			
	<i>R. cnuense</i>	0			
	<i>R. daejeonense</i> NBRC 102495 ^T	0			
	<i>R. ecuadorensense</i> CNPSO 671 ^T	1	-	+	LFIO01000958.1
	<i>R. endolithicum</i> KCTC 32077 ^T	0			
	<i>R. endophyticum</i> LMG 26002 ^T	0			
	<i>R. esperanzae</i> CNPSO 668 ^T	1	-	+	MXPU01000010.1
	<i>R. etli</i> CFN 42 ^T	11	-	+	CP000133.1
	<i>R. fabae</i> LMG 23997 ^T	0			
	<i>R. favelukesii</i> LPU83 ^T	2	-	+	HG916852.1
	<i>R. flavum</i> YW14 ^T	1	-	+	MUXO01000046.1
	<i>R. freirei</i> PRF 81 ^T	1	-	+	AQHN01000053.1
	<i>R. gallicum</i> R602 ^T	3	-	+	CP006877.1
	<i>R. gei</i> LMG 27603 ^T	0			
	<i>R. giardinii</i> H152 ^T	1	-	+	KB902578.1
	<i>R. grahamii</i> CCGE 502 ^T	1	-	+	AEYE02000004.1
	<i>R. hainanense</i> CCBAU 57015 ^T	1	-	+	FMAC01000008.1
	<i>R. halophytocola</i> DSM 21600 ^T	0			
	<i>R. halotolerans</i> JCM 17536 ^T	0			
	<i>R. helanshanense</i> HAMBI 3083 ^T	0			
	<i>R. helianthi</i> KCTC 23879 ^T	0			
	<i>R. herbae</i> LMG 25718 ^T	0			
	<i>R. indigoferae</i> NBRC 100398 ^T	0			

<i>R. ipomoeae</i> LMG 27163 ^T	0				
<i>R. jaguaris</i> CIP 110453 ^T	0				
<i>R. kunmingense</i> KCTC 22609 ^T	0				
<i>R. laguerreae</i> FB206 ^T	1	-	+		MRDM01000010.1
<i>R. leguminosarum</i> WSM1689	42	-	+		CP007045.1
<i>R. lemnae</i> NBRC 109339 ^T	0				
<i>R. lentis</i> DSM 29286 ^T	0				
<i>R. leucaenae</i> USDA 9039 ^T	2	-	+		AUFB01000003.1
<i>R. loessense</i> CGMCC 1.3401	1	-	+		FMTM01000001.1
<i>R. lusitanum</i> P1-7 ^T	1	-	+		FMAF01000013.1
<i>R. marinum</i> MGL06 ^T	1	-	+		JMQK01000002.1
<i>R. mayense</i> CIP 110454 ^T	0				
<i>R. mesoamericanum</i> STM3625	2	-	+		HF536772.1
<i>R. mesosinicum</i> LMG 24135 ^T	0				
<i>R. metallidurans</i> DSM 26575 ^T	0				
<i>R. miluonense</i> HAMB1 2971 ^T	1	-	+		FMAH01000020.1
<i>R. mongolense</i> USDA 1844 ^T	1	-	+		ATTQ01000014.1
<i>R. multihospitium</i> HAMB1 2975 ^T	1	-	+		FMAG01000002.1
<i>R. naphthalenivorans</i> NBRC 107585 ^T	0				
<i>R. nepotum</i> 37/9 ^T	1	-	+		JWJH01000014.1
<i>R. oryzae</i> CGMCC 1.7048 ^T	3	-	+		FOAM01000013.1
<i>R. oryzicola</i> KCTC 32088 ^T	0				
<i>R. oryzae</i> N19 ^T	1	-	+		MKIM01000024.1
<i>R. pakistanense</i> LMG 27895 ^T	0				
<i>R. paknamense</i> NBRC 109338 ^T	0				
<i>R. paranaense</i> LMG 27577 ^T	0				
<i>R. petrolearium</i> DSM 21882 ^T	0				
<i>R. phaseoli</i> N261	16	-	+		CP013580.1
<i>R. pisi</i> DSM 30132 ^T	0				
<i>R. pongamiae</i>	0				
<i>R. populi</i> JCM 19159 ^T	0				
<i>R. pseudoryzae</i> KCTC 23294 ^T	0				
<i>R. puerariae</i> NBRC 110722 ^T	0				
<i>R. pusense</i> LMG 25623 ^T	4	-	+		FNBB01000001.1
<i>R. qilianshanense</i> JCM 18337 ^T	0				
<i>R. rhizoryzae</i> KCTC 23652 ^T	0				
<i>R. rhizosphaerae</i> MH17 ^T	2	-	+		MKIO01000030.1
<i>R. rosettiformans</i> MTCC 9454 ^T	0				
<i>R. selenitireducens</i> ATCC BAA-1503 ^T	1	-	+		KI912495.1
<i>R. skierniewicense</i> LMG 26191 ^T	0				
<i>R. smilacinae</i> LMG 27604 ^T	0				
<i>R. soli</i> JCM 14591 ^T	0				
<i>R. sophorae</i> CCBau 03386 ^T	1	-	+		MRDK01000043.1
<i>R. sophoriradicis</i> LMG 27898 ^T	0				
<i>R. sphaerophysae</i> ACCC 17498 ^T	0				
<i>R. straminoryzae</i> JCM 19536 ^T	0				
<i>R. subbaraonis</i> DSM 24765 ^T	0				
<i>R. sullae</i> WSM1592 ^T	2	-	+		ATZB01000008.1
<i>R. taeianense</i>	0				
<i>R. taibaishanense</i> ACCC 14971 ^T	1	-	+		MKIN01000016.1
<i>R. tarimense</i> CCTCC AB 2011011 ^T	0				
<i>R. tibeticum</i> CGMCC 1.7071 ^T	2	-	+		FOCV01000001.1
<i>R. tropici</i> CIAT 899 ^T	5	-	+		CP004015.1
<i>R. tubonense</i> LMG 25225 ^T	0				

	<i>R. undicola</i> ATCC 700741 ^T	1	-	+	JHXQ01000003.1
	<i>R. vallis</i> LMG 25295 ^T	0			
	<i>R. vignae</i> CCBAU 05176 ^T	1	-	+	JNNU01000014.1
	<i>R. viscosum</i> DSM 7307 ^T	0			
	<i>R. wenxiniae</i> DSM 100734 ^T	0			
	<i>R. yanglingense</i> CCBAU 01603	1	-	+	JHUO01000002.1
	<i>R. yantingense</i> LMG 28229 ^T	0			
	<i>R. zeae</i> LMG 29735 ^T	0			
<i>Shinella</i>	<i>S. daejeonensis</i> JCM 16236 ^T	0			
	<i>S. fusca</i> LMG 24714 ^T	0			
	<i>S. granuli</i> JCM 13254 ^T	0			
	<i>S. kummerowiae</i> LMG 24136 ^T	0			
	<i>S. yambaruensis</i> DSM 18801 ^T	0			
	<i>S. zoogloeoides</i> ATCC 19623 ^T	0			
<i>Ensifer</i>	<i>E. adhaerens</i> OV14	6	-	+	CP007236.1
	<i>E. aridi</i> TW10	6	-	+	AZNX01000001.1
	<i>E. garamanticus</i> LMG 24692 ^T	0			
	<i>E. glycinis</i> CCBAU 23380 ^T	1	-	+	LPUX01000053.1
	<i>E. maghrebium</i>	0			
	<i>E. mexicanus</i> DSM 18446 ^T	0			
	<i>E. numidicus</i> LMG 24690 ^T	0			
	<i>E. psoraleae</i> LMG 26835 ^T	0			
	<i>E. sesbaniae</i> LMG 26833 ^T	0			
	<i>E. shofinae</i> CCBAU 251167 ^T	1	-	+	MBFK01000100.1
	<i>E. sojae</i> CCBAU 05684 ^T	2	-	+	CP023067.1
	<i>E. xericitae</i>	0			
<i>Sinorhizobium</i>	<i>S. abri</i>	0			
	<i>S. americanum</i> CCGM7	3	-	+	CP013051.1
	<i>S. arboris</i> LMG 14919 ^T	1	-	+	ATYB01000014.1
	<i>S. chiapanecum</i> ITTG S70 ^T	0			
	<i>S. fredii</i> CCBAU 83666 ^T	13	-	+	CP023070.1
	<i>S. idiaense</i>	0			
	<i>S. kostiense</i> DSM 13372 ^T	0			
	<i>S. kummerowiae</i> NBRC 100799 ^T	0			
	<i>S. medicae</i> WSM419	5	-	+	CP000738.1
	<i>S. meliloti</i> 1021	46	-	+	AL591688.1
	<i>S. saheli</i> LMG 7837 ^T	1	-	+	LNQB01000073.1
	<i>S. terrangae</i> DSM 11282 ^T	0			
	<i>S. xinjiangense</i> DSM 5852 ^T	0			
<i>Roseiarcaceae</i>	<i>Roseiarcus</i>				
	<i>R. fermentans</i> DSM 24875 ^T	0			
<i>Xanthobacteraceae</i>	<i>Ancylobacter</i>				
	<i>A. abiegnus</i> Z-0056 ^T	0			
	<i>A. aquaticus</i> DSM 101 ^T	0			
	<i>A. defluvii</i> CCUG 63806 ^T	0			
	<i>A. dichloromethanicus</i> DSM 21507 ^T	0			
	<i>A. oerskovii</i> DSM 18746 ^T	0			
	<i>A. polymorphus</i> DSM 2457 ^T	0			
	<i>A. pratisalsi</i> DSM 102029 ^T	0			
	<i>A. rudongensis</i> CGMCC 1.1761	1	-	+	FMTTP01000009.1
	<i>A. sunchi</i> JCM 32039 ^T	0			
	<i>A. vacuolatus</i> DSM 1277 ^T	0			
<i>Azorhizobium</i>	<i>A. caulinodans</i> ORS 571 ^T	1	-	+	NC_009937.1
	<i>A. deobereineriae</i> UFLA1-100 ^T	1	-	+	AXBA01000031.1
	<i>A. oxalatophilum</i> DSM 18749 ^T	0			
<i>Labrys</i>	<i>L. gingengisoli</i>	0			

	<i>L. methylaminiphilus</i> DSM 16812 ^T	0			
	<i>L. miyagiensis</i> NBRC 101365 ^T	0			
	<i>L. monachus</i> DSM 5896 ^T	0			
	<i>L. neptuniae</i> LMG 23578 ^T	0			
	<i>L. okinaawensis</i> DSM 18385 ^T	0			
	<i>L. oportucalensis</i> DSM 17916 ^T	0			
	<i>L. soli</i> JCM 19895 ^T	0			
	<i>L. wisconsinensis</i> DSM 19619 ^T	0			
<i>Pseudolabrys</i>	<i>P. taiwanensis</i> CIP 108932 ^T	0			
<i>Pseudoxanthobacter</i>	<i>P. liyangensis</i> KACC 16601 ^T	0			
	<i>P. soli</i> DSM 19599 ^T	1	-	+	FRX001000002.1
<i>Starkeya</i>	<i>S. koreensis</i> JCM 21669 ^T	0			
	<i>S. novella</i> DSM 506 ^T	1		n.m./n.d.	Kappler et al., 2012 (10.4056/sigs.3006378)
<i>Xanthobacter</i>	<i>X. agilis</i> DSM 3770 ^T	0			
	<i>X. aminoxidans</i> DSM 15009 ^T	0			
	<i>X. autotrophicus</i> Py2 ^T	1		n.d.	
	<i>X. flavus</i> DSM 338 ^T	0			
	<i>X. polyaromaticivorans</i> 127W ^T	0			
	<i>X. tagetidis</i> DSM 11105 ^T	0			
	<i>X. viscosus</i> ATCC BAA-298 ^T	0			
	<i>X. xylophilus</i>	0			
unclassified <i>Rhizobiales</i>	<i>Alsobacter</i> <i>A. metallidurans</i> NBRC 107718 ^T	0			
	<i>Bauldia</i> <i>B. consociata</i> CCM 7594 ^T	0			
	<i>B. litoralis</i> ATCC 35022 ^T	1		n.d.	
	<i>Endowatersipora</i> ^d <i>E. palomitas</i>	0			
	<i>E. rubus</i>	0			
	<i>Hodgkinia</i> ^d <i>E. cicadicola</i> Dsem	5		n.d.	
	<i>Tokpelaia</i> ^d <i>T. hoelldoblerii</i> Hsal	1	-	+	CP017315
	<i>Hartmannibacter</i> <i>H. diazotrophicus</i> LMG 27460 ^T	0			
	<i>Methylobrevis</i> <i>M. pamukkalensis</i> PK2 ^T	1	+	-	MCRJ01000144.1
<i>Methyloceanibacter</i>	<i>M. caenitepidi</i> Gela4 ^T	1		n.m./n.d.	Takeuchi et al., 2014 (10.1099/ij.s.0.053397-0)
	<i>M. marginalis</i> R-67177 ^T	1		n.d.	
	<i>M. methanicus</i> R-67174 ^T	1		n.d.	
	<i>M. stevinii</i> R-67176 ^T	1		n.d.	
	<i>M. superfactus</i> R-67175 ^T	1		n.d.	
<i>Methyloligella</i>	<i>M. halotolerans</i> VKM B-2706 ^T	1		n.m./n.d.	Doroniva et al., 2013 (10.1016/j.syapm.2012.12.001)
	<i>M. solikamskensis</i> DSM 25212 ^T	0			
	<i>Methylosulfonomonas</i> <i>M. methylovora</i>	0			
	<i>Nordella</i> <i>N. oligomobilis</i> CIP 106862 ^T	0			
	<i>Pseudorhodoplanes</i> <i>P. sinuspersici</i> RIPI 110 ^T	1	+	-	CP021112
	<i>Qingshengfania</i> <i>Q. soli</i> KCTC 42463 ^T	0			
<i>Reichenowia</i>	<i>R. ornatae</i>	0			
	<i>R. parasiticae</i>	0			
	<i>R. pictae</i>	0			
<i>Solomonas</i>	<i>S. fluorantheni</i>	0			

Taxonomy according to NCBI taxonomy database, accessed in October 2017. Species with no sequenced genome are highlighted in red typing. Genomes harboring both, the subpolar and lateral flagellar systems are highlighted in bold. ^T indicates type strain.

^aOnly sequenced genomes of type strains and/or high-quality genomes are considered. Unclassified isolates and candidatus species are not considered.

^bReviewed in October, 2017 from the NCBI genome database

^cGenome downloaded from the JGI IMG.

^d*Candidatus* genera.

n.d. Genes for flagellar systems not detected in genome annotations.

n.m. Non-motile bacteria.

