

Příloha

Tabulka 15: Indikátorové druhy bakterií v závislosti na vzdálenosti od hostitelské rostliny pro lokality Sokolov a Středohoří.

Původ půdy	Vzdálenost od hostitelské rostliny	Oddělení	Taxonomická příslušnost	Indikační hodnota	Hodnota P
Sokolov	A	Actinobacteria	actinobacterium sp.	0,947	0,001
		Bacteroidetes	bacterium RS19G	0,932	0,001
		Bacteroidetes	Terrimonas lutea (T)	0,916	0,001
		Gemmatimonadetes	bacterium enrichment culture clone 2_51	0,902	0,001
		Proteobacteria	Methylogaea oryzae (T)	0,899	0,001
		Proteobacteria	rhizosphere soil bacterium RSC-II-42	0,898	0,001
		Proteobacteria	Sinorhizobium sp.	0,896	0,001
		Proteobacteria	unidentified marine bacterioplankton	0,886	0,001
		Verrucomicrobia	Gemmatimonadetes sp.	0,88	0,001
		Actinobacteria	unidentified marine bacterioplankton	0,859	0,001
		Planctomycetes	Blastopirellula marina	0,854	0,001
		Proteobacteria	gamma proteobacterium K7	0,854	0,001
		Bacteroidetes	bacterium YC-LK-LKJ25	0,847	0,001
		Bacteroidetes	Niastella yeongjuensis	0,844	0,001
		Actinobacteria	unidentified marine bacterioplankton	0,844	0,001
		Actinobacteria	unidentified marine bacterioplankton	0,84	0,001
		Planctomycetes	Gimesia maris	0,838	0,001
		Proteobacteria	bacterium SCSIO13143	0,838	0,001
		Proteobacteria	Azospirillum sp.	0,832	0,001
		Verrucomicrobia	Verrucomicrobia sp.	0,828	0,001
		Proteobacteria	Nitrosospira sp.	0,827	0,001
		Bacteroidetes	Bacteroidetes bacterium Mo-0.2plat-K3	0,826	0,001
		Proteobacteria	Rhizorhapis suberifaciens	0,825	0,001
		Bacteroidetes	Bacteroidetes bacterium S129	0,825	0,001
		Proteobacteria	Bauldia consociata (T)	0,821	0,001
		Proteobacteria	bacterium enrichment culture SBR_L_B13	0,808	0,001
		Bacteroidetes	Bacteroidetes bacterium KJY	0,787	0,001
		Actinobacteria	Actinoallomurus sp.	0,784	0,001
		Gemmatimonadetes	unidentified bacterium	0,78	0,001
		Proteobacteria	Sphingomonas sp.	0,775	0,001
		Actinobacteria	bacterium Ellin5082	0,768	0,001
		Proteobacteria	Nitrosospira tenuis (T)	0,755	0,001
		Proteobacteria	gamma proteobacterium LWH44	0,752	0,001
		Proteobacteria	Nitrosomonas sp.	0,722	0,001
Proteobacteria	Xanthomonadaceae bacterium feline oral taxon 091	0,721	0,001		
Actinobacteria	Cellulomonas carbonis	0,719	0,001		

		Gemmatimonadetes	Gemmatimonadaceae bacterium LWQ133	0,717	0,001
		Proteobacteria	bacterial symbiont of Myrtea spinifera	0,715	0,001
		Bacteroidetes	Parasegetibacter terrae (T)	0,71	0,001
		Actinobacteria	Iamia majanohamensis (T)	0,709	0,005
		Bacteroidetes	Bacteroidetes bacterium Mo-0.2plat-K3	0,685	0,001
		Bacteroidetes	Rufibacter tibetensis	0,683	0,001
		Proteobacteria	bacterium YC-ZSS-LKJ168	0,679	0,001
		Proteobacteria	Sphingomonas wittichii	0,679	0,001
		Proteobacteria	alpha proteobacterium CN37	0,671	0,002
		Thaumarchaeota	Candidatus Nitrososphaera evergladensis SR1	0,668	0,001
		Proteobacteria	delta proteobacterium WY32	0,653	0,001
		Bacteroidetes	Niastella sp.	0,617	0,001
		Proteobacteria	Rhodoplanes oryzae (T)	0,615	0,001
		Planctomycetes	Gimesia maris	0,611	0,01
		Proteobacteria	Mesorhizobium sp.	0,596	0,001
		Proteobacteria	Rhodospirillaceae bacterium IA_FO_10	0,567	0,002
		Bacteroidetes	Larkinella sp.	0,531	0,002
		Proteobacteria	Chelatococcus sp.	0,521	0,001
	C	Proteobacteria	Polyangium sp.	0,776	0,001
		Nitrospirae	Nitrospira sp.	0,742	0,006
		Proteobacteria	Nitrosospira sp.	0,735	0,001
		Bacteroidetes	Flavisolibacter ginsengisoli	0,68	0,001
		Proteobacteria	Luteibacter sp.	0,613	0,004
		Bacteroidetes	Rufibacter tibetensis	0,522	0,002
		Bacteroidetes	Flavisolibacter sp.	0,482	0,001
		Proteobacteria	Rhizobium sp.	0,467	0,01
	A+B	Gemmatimonadetes	bacterium enrichment culture clone 2_51	0,944	0,001
		Proteobacteria	Methyloversatilis universalis	0,934	0,001
		Proteobacteria	Xanthomonas sp.	0,927	0,001
		Proteobacteria	Bacillaceae bacterium x8-9	0,923	0,001
		Actinobacteria	actinobacterium YJF2-33	0,904	0,001
		Proteobacteria	bacterium DR2A-6G13	0,896	0,001
		Bacteroidetes	Lacibacter daechungensis (T)	0,89	0,001
		Proteobacteria	Cellvibrio sp.	0,878	0,001
		Verrucomicrobia	Verrucomicrobium sp.	0,876	0,001
		Proteobacteria	Sterolibacterium denitrificans (T)	0,874	0,001
		Proteobacteria	Algiphilus sp.	0,872	0,001
		Bacteroidetes	Bacteroidetes bacterium KJY	0,865	0,001
		Proteobacteria	gamma proteobacterium LX101	0,86	0,001
		Proteobacteria	Algiphilus aromaticivorans (T)	0,854	0,001
		Proteobacteria	Devosia sp.	0,844	0,001
		Proteobacteria	Reyranella massiliensis (T)	0,844	0,001
		Proteobacteria	bacterium DR2A-6G13	0,836	0,001
		Actinobacteria	Euzebya sp.	0,831	0,001

		Proteobacteria	Rhizorhapis suberifaciens	0,824	0,001
		Gemmatimonadetes	agricultural soil bacterium SC-I-2	0,812	0,001
		Proteobacteria	delta proteobacterium WY32	0,811	0,001
		Actinobacteria	actinobacterium YJF2-33	0,801	0,001
		Verrucomicrobia	Opitutaceae bacterium CV41	0,795	0,001
		Actinobacteria	bacterium Ellin6526	0,787	0,001
		Actinobacteria	Streptomyces sp.	0,784	0,003
		Actinobacteria	bacterium enrichment culture clone auto222_4W	0,78	0,001
		Bacteroidetes	Bacteroidetes bacterium S129	0,778	0,002
		Proteobacteria	alpha proteobacterium Shinshu-th1	0,776	0,001
		Proteobacteria	Pseudomonas sp.	0,731	0,002
		Proteobacteria	delta proteobacterium WY32	0,731	0,003
		Proteobacteria	alpha proteobacterium OR-205	0,714	0,006
		Verrucomicrobia	Verrucomicrobia bacterium WD61	0,712	0,001
		Proteobacteria	bacterium N2441	0,706	0,001
		Proteobacteria	Olavius ilvae associated proteobacterium Delta 8	0,689	0,001
		Proteobacteria	Chondromyces crocatus	0,687	0,001
		Actinobacteria	unidentified marine bacterioplankton	0,683	0,002
		Actinobacteria	Allokutzneria multivorans (T)	0,651	0,001
		Proteobacteria	Saccharophagus sp. MM1-2b	0,65	0,003
		Proteobacteria	Sphingomonas koreensis	0,649	0,002
		Bacteroidetes	Ohtaekwangia koreensis (T)	0,63	0,003
		Bacteroidetes	Bacteroidetes bacterium S129	0,601	0,003
		Proteobacteria	Nitrosospira tenuis (T)	0,592	0,007
		Planctomycetes	planctomycete DSC3C2	0,585	0,005
	A+C	Proteobacteria	Thauera sp.	0,917	0,001
	A+C	Thaumarchaeota	unidentified archaeon	0,854	0,001
	A+C	Verrucomicrobia	Gemmatimonadetes bacterium enrichment culture clone c179	0,843	0,001
	A+C	Proteobacteria	Acetobacteraceae bacterium D2B25	0,818	0,001
	A+C	Proteobacteria	Pseudolabrys sp.	0,816	0,001
	A+C	Actinobacteria	actinobacterium YJF2-33	0,814	0,001
	A+C	Gemmatimonadetes	agricultural soil bacterium SC-I-2	0,751	0,001
	A+C	Proteobacteria	Povalibacter uvarum (T)	0,735	0,001
	A+C	Proteobacteria	Nitrosospira tenuis (T)	0,726	0,002
	A+C	Planctomycetes	planctomycete str. 292	0,708	0,001
	A+C	Proteobacteria	Labilithrix luteola	0,703	0,008
	A+C	Proteobacteria	Methylogaea oryzae (T)	0,701	0,001
	A+C	Proteobacteria	Sinorhizobium sp. TB2-T-5	0,643	0,007
	A+C	Proteobacteria	Azospira sp.	0,643	0,001
	A+C	Acidobacteria	Aridibacter famidurans (T)	0,64	0,002
	A+C	Bacteroidetes	Flexibacter flexilis	0,639	0,004
	A+C	Proteobacteria	Rhodospirillales bacterium	0,632	0,009
	A+C	Actinobacteria	Ilumatobacter fluminis	0,626	0,009
	A+C	Acidobacteria	Acidobacteriaceae bacterium enrichment culture clone ANA-RAS-33	0,616	0,005

		Gemmatimonadetes	Gemmatimonas sp. AP64	0,594	0,002
	B+C	Actinobacteria	bacterium Ellin6526	0,92	0,001
		Deinococcus-Thermus	Deinococcus sp.	0,9	0,001
		Gemmatimonadetes	Gemmatimonadetes bacterium KBS708	0,878	0,001
		Gemmatimonadetes	bacterium Ellin5220	0,854	0,001
		Proteobacteria	Rubellimicrobium roseum (T)	0,853	0,001
		Proteobacteria	Reyranella massiliensis (T)	0,846	0,001
		Thaumarchaeota	Candidatus Nitrososphaera evergladensis SR1	0,796	0,001
		Actinobacteria	Streptomyces chumphonensis	0,743	0,001
		Proteobacteria	Hyphomicrobium hollandicum (T)	0,722	0,001
		Bacteroidetes	Flavisolibacter ginsengisoli	0,722	0,001
		Proteobacteria	Coralloccoccus macrosporus	0,657	0,006
		Proteobacteria	Microvirga sp.	0,619	0,006
Středohoří		A	Bacteroidetes	Lacibacter daechungensis (T)	0,903
	Proteobacteria		delta proteobacterium	0,894	0,001
	Actinobacteria		Cellulomonas carbonis	0,812	0,001
	Bacteroidetes		bacterium YC-LK-LKJ25	0,8	0,001
	Proteobacteria		Methylogaea oryzae (T)	0,783	0,001
	Proteobacteria		Xanthomonas sp.	0,776	0,001
	Proteobacteria		Sinorhizobium sp.	0,77	0,001
	Proteobacteria		bacterium enrichment culture SBR_L_B13	0,755	0,001
	Proteobacteria		Nitrosomonas sp.	0,748	0,001
	Bacteroidetes		Niastella yeongjuensis	0,706	0,001
	Proteobacteria		gamma proteobacterium LWH44	0,664	0,006
	Proteobacteria		Pseudomonas sp.	0,655	0,002
	Actinobacteria		unidentified marine bacterioplankton	0,655	0,001
	Proteobacteria		Sinorhizobium sp.	0,633	0,001
	B		Proteobacteria	Rhizobiales bacterium JY-3	0,765
	C	Nitrospirae	Nitrospira sp.	0,629	0,001
		Proteobacteria	Nitrosospira sp.	0,492	0,003
		Planctomycetes	Planctomycete enrichment culture clone Lt-F9	0,483	0,009
	A+B	Planctomycetes	Gimesia maris	0,888	0,001
		Actinobacteria	unidentified bacterium	0,882	0,001
		Bacteroidetes	Bacteroidetes bacterium KJY	0,873	0,001
		Bacteroidetes	bacterium RS19G	0,865	0,001
		Bacteroidetes	Bacteroidetes bacterium Mo-0.2plat-K3	0,857	0,001
		Bacteroidetes	Terrimonas arctica (T)	0,847	0,001
		Proteobacteria	Sinorhizobium sp.	0,847	0,001
		Actinobacteria	unidentified marine bacterioplankton	0,844	0,001
		Proteobacteria	Nitrosospira tenuis (T)	0,842	0,001
		Planctomycetes	Planctomycete enrichment culture clone Lt-F9	0,831	0,001
		Gemmatimonadetes	unidentified bacterium	0,823	0,001
		Bacteroidetes	Bacteroidetes bacterium KJY	0,807	0,001

		Bacteroidetes	Bacteroidetes bacterium S129	0,802	0,001
		Proteobacteria	Rhodospirillaceae bacterium IA_FO_10	0,799	0,001
		Planctomycetes	Planctomyces sp.	0,797	0,001
		Proteobacteria	rhizosphere soil bacterium RSC-II-42	0,795	0,001
		Verrucomicrobia	Roseimicrobium gellanilyticum (T)	0,793	0,001
		Bacteroidetes	Sphingobacteriaceae bacterium BR5-29	0,792	0,001
		Bacteroidetes	Bacteroidetes bacterium GS	0,789	0,001
		Proteobacteria	Algiphilus aromaticivorans (T)	0,789	0,002
		Acidobacteria	Actinomycetales	0,775	0,001
		Bacteroidetes	Niastella sp.	0,775	0,001
		Actinobacteria	Iamia majanohamensis (T)	0,76	0,002
		Proteobacteria	Rhodospirillales bacterium WX36	0,758	0,004
		Actinobacteria	Iamia majanohamensis (T)	0,755	0,001
		Gemmatimonadetes	agricultural soil bacterium SC-I-2	0,753	0,001
		Proteobacteria	Sphingomonas wittichii	0,742	0,001
		Proteobacteria	bacterium YC-ZSS-LKJ168	0,739	0,001
		Planctomycetes	Blastopirellula marina	0,729	0,001
		Gemmatimonadetes	Gemmatimonadetes bacterium LP81	0,729	0,002
		Proteobacteria	bacterium SCSIO13143	0,727	0,001
		Bacteroidetes	Rufibacter tibetensis	0,727	0,001
		Thaumarchaeota	Candidatus Nitrososphaera evergladensis SR1	0,723	0,005
		Proteobacteria	alpha proteobacterium WD170	0,719	0,001
		Planctomycetes	planctomycete str. 292	0,716	0,006
		Bacteroidetes	Bacteroidetes bacterium S129	0,696	0,005
		Proteobacteria	Bauldia consociata (T)	0,686	0,001
		Proteobacteria	Nitrosospira sp.	0,681	0,002
		Proteobacteria	unidentified bacterium	0,674	0,008
		Actinobacteria	Cellulomonas carbonis	0,566	0,009
	A+C	Proteobacteria	Hyphomicrobium hollandicum (T)	0,807	0,001
	B+C	Deinococcus-Thermus	Truepera radiovictrix DSM 17093	0,937	0,001
		Proteobacteria	Rhizobium sp.	0,921	0,001
		Gemmatimonadetes	denitrifying bacterium enrichment culture clone NOB_2_F8	0,873	0,001
		Proteobacteria	Sinorhizobium sp.	0,863	0,001
		Gemmatimonadetes	Gemmatimonas aurantiaca T-27	0,861	0,001
		Bacteroidetes	Sphingobacteriaceae bacterium 26-12PB	0,803	0,003
		Actinobacteria	bacterium Ellin6526	0,802	0,001
		Proteobacteria	Rubellimicrobium aerolatum	0,796	0,001
		Planctomycetes	bacterium enrichment culture clone KIST-JJY169	0,715	0,002
		Bacteroidetes	Terrimonas arctica (T)	0,699	0,001
		Actinobacteria	Streptomyces sp.	0,693	0,008
		Deinococcus-Thermus	Truepera radiovictrix DSM 17093	0,684	0,001
		Bacteroidetes	Flavisolibacter ginsengisoli	0,674	0,003

		Bacteroidetes	Flavisolibacter sp.	0,666	0,005
		Gemmatimonadetes	unidentified bacterium	0,663	0,007
		Proteobacteria	Ancylobacter sp.	0,652	0,009
		Proteobacteria	Brevundimonas sp.	0,636	0,001
		Actinobacteria	Conexibacter woesei (T)	0,629	0,002