

Column1	Column2	Column3	Column5	Column6	Column7	Column8	Column9	Column10
Supplemental Table S2. Analysis of putative ExoR homologs								
Genome of origin, ExoR-like proteins	Abbrev. in trees	Order	Length (residues)	Reciprocal blast test	Sequence characterizations	Signal peptide &/or localization predictions	TMH predictions (only positive predictions indicated)	# of Sel1 predictions
<b>Ortholog candidates</b>								
<i>Alfia.sp.1.NLS2</i>	<i>Alfia</i>	Rhizobiales	271	Passes		Yes		4
<i>Agrobacterium.radiobacter.K84</i>	<i>AgribcRad</i>	Rhizobiales	267	Passes		Yes		2
<i>Agrobacterium.sp.H13-3</i>	<i>AgribcSp</i>	Rhizobiales	264	Passes		Yes		4
<i>Agrobacterium.tumefaciens.str.C58</i>	<i>AgribcTu</i>	Rhizobiales	264	Passes		Yes		4
<i>Agrobacterium.vitis.S4</i>	<i>AgribcVi</i>	Rhizobiales	271	Passes		Yes		4
<i>Aurantimonas.manganoxydans.SI85-9A1</i>	<i>AurmtmMg</i>	Rhizobiales	278	Passes		Yes		4
<i>Bartonella.grahamii.as4aup</i>	<i>BartnGrm</i>	Rhizobiales	263	Passes		Yes		3
<i>Bartonella.henselae.str.Houston-1</i>	<i>BartnHen</i>	Rhizobiales	264	Passes	Potential non-classical secretion	SP vs TMH: No consensus		5
<i>Bartonella.tribocorum.CIP.105476</i>	<i>BartnTri</i>	Rhizobiales	264	Passes	Potential non-classical secretion	SP vs TMH: No consensus		3
<i>Bradyrhizobium.bacterium.SG-6C</i>	<i>BrdryrhzB</i>	Rhizobiales	277	Passes		Yes		4
<i>Bradyrhizobium.japonicum.USDA.110</i>	<i>BrdryrhzJ</i>	Rhizobiales	297	Passes		Yes		4
<i>Bradyrhizobium.sp.BTAi1</i>	<i>BrdryrhzS</i>	Rhizobiales	240	Passes	Potential non-classical secretion	Yes		4
<i>Brucella.abortus.bv.1.str.9-941 (REF)</i>	<i>BrucA99</i>	Rhizobiales	267	Passes		Yes		4
<i>Brucella.abortus.str.2308A</i>	<i>BrucA23</i>	Rhizobiales	268	Passes		Yes		6
<i>Brucella.ceti.str.Cudo</i>	<i>BrucCeti</i>	Rhizobiales	268	Passes		Yes		5
<i>Brucella.neotomae.5K33</i>	<i>BrucNeo</i>	Rhizobiales	268	Passes		Yes		4
<i>Brucella.sp.B02</i>	<i>BrucSp</i>	Rhizobiales	268	Passes		Yes		4
<i>Brucella.suis.1330 (REF)</i>	<i>BrucSu</i>	Rhizobiales	267	Passes		Yes		4
<i>Chelativorans.sp.BNC1 (aka Agrobacterium.sp.BNC1)</i>	<i>Cheltiv</i>	Rhizobiales	268	Passes		Yes		4
<i>Fulvmarina.pelagi.HTCC2506</i>	<i>FulviPel</i>	Rhizobiales	262	Passes		Weak SP predictions		4
<i>Hoeflea.phototrophica.DFL-43</i>	<i>HoefPHot</i>	Rhizobiales	265	Passes		Yes		4
<i>Labrenzia.alexandrii.DFL-11</i>	<i>LabrenzL</i>	Rhodobacterales	238	Passes	Potential non-classical secretion	No		4
<i>Mesorhizobium.ciceri.biovar.biserullae.WSM1271</i>	<i>MsorzhCi</i>	Rhizobiales	279	Passes		Yes		4
<i>Mesorhizobium.loti.MAFF303099</i>	<i>MsorzhLo</i>	Rhizobiales	276	Passes		Yes		4
<i>Mesorhizobium.opportunatum.WSM2075</i>	<i>MsorzhOp</i>	Rhizobiales	283	Passes		Yes		4
<i>Methylobacterium.chloromethanicum.CM4</i>	<i>MthlobCh</i>	Rhizobiales	295	Passes		Yes		4
<i>Methylobacterium.radiotolerans.JCM.2831</i>	<i>MthlobRad</i>	Rhizobiales	300	Passes		Yes		4
<i>Methylobacterium.sp.4-46</i>	<i>MthlobSp</i>	Rhizobiales	269	Passes		Yes		4
<i>Methylocella.silvestris.BL2</i>	<i>Mthlocel</i>	Rhizobiales	280	Passes		Yes		4
<i>Methylocystis.sp.ATCC.49242</i>	<i>Mthlocyst</i>	Rhizobiales	296	Passes		Yes		4
<i>Methylosinus.trichosporium.OB3b</i>	<i>MthlsinT</i>	Rhizobiales	275	Passes		Yes		4
<i>Nitrobacter.hamburgensis.X14</i>	<i>Nitrobac</i>	Rhizobiales	273	Passes		Yes		4
<i>Ochrobactrum.anthropi.ATCC.49188</i>	<i>OchroAn</i>	Rhizobiales	263	Passes		Yes		4
<i>Ochrobactrum.intermedium.LMG.3301</i>	<i>OchroIn</i>	Rhizobiales	262	Passes		Yes		4
<i>Oligotropha.carboxidovorans.OM5</i>	<i>OliboCarb</i>	Rhizobiales	275	Passes		Yes		4
<i>Polymorphum.gilvum.SL003B-26A1</i>	<i>PolymoGil</i>	Rhodobacterales	280	Passes		Yes		2
<i>Pseudovibrio.sp.E062</i>	<i>PseudovSp</i>	Rhodobacterales	249	Passes	Potential non-classical secretion	No		2
<i>Rhizobium.ethi.CFN.42</i>	<i>RhizobEt</i>	Rhizobiales	265	Passes		Yes		4
<i>Rhizobium.leguminosarum.bv.trifolii.WSM1325</i>	<i>RhizobLeg</i>	Rhizobiales	267	Passes		Yes		4
<i>Rhodospseudomonas.palustris.CGA009 (REF)</i>	<i>Rhodopseu</i>	Rhizobiales	273	Passes		Yes		4
<i>Roseibium.sp.TrichSKD4</i>	<i>Roseibium</i>	Rhodobacterales	266	Passes		Boarderline SP predictions		2
<i>Sinorhizobium.fredii.NGR234</i>	<i>SinoFred</i>	Rhizobiales	268	Passes		Yes		4
<i>Sinorhizobium.medicinae.WSM419</i>	<i>SinoMed</i>	Rhizobiales	267	Passes		Yes		4
<i>Sinorhizobium.melioloti.1021</i>	<i>SinoMel</i>	Rhizobiales	268	N/A		Yes		4
<i>Stappia.aggregata.IAM12614 (aka Labrenzia.aggregata.IAM12614)</i>	<i>LabrenzA</i>	Rhodobacterales	285	Passes		SP		4
<i>Starkeya.novella.DSM.506</i>	<i>Starkeya</i>	Rhizobiales	279	Passes		SP		2
<i>Xanthobacter.autotrophicus.Py2</i>	<i>Xanthobac</i>	Rhizobiales	310	Passes		Boarderline	Boarderline	4
<b>Outlying structural or localization predictions</b>								
<i>Azorhizobium.caulinodans.ORS.571</i>		Rhizobiales	351	Passes		No	TMH prediction	4
<i>Beijerinckia.indica.subsp.indica.ATCC.9039</i>		Rhizobiales	342	Passes		No	TMH prediction	3
<i>Novosphingobium.aromaticivorans.DSM12444</i>		Sphingomonadales	432	Passes	SPOR domain (PF05036)	No	Weak TMH prediction	2
<i>Parvibaculum.lavamentivorans.DS-1</i>		Rhizobiales	278	Passes		No	TMH prediction	4
<i>Pelagibacterium.halotolerans.B2</i>		Rhizobiales	382	Passes		No	Weak TMH prediction	2
<b>Phylogenetically non-resolvable with current methods</b>								
<i>Ahrensia.sp.RZA130</i>		Rhodobacterales	287	Passes		Yes	Weak TMH prediction	4
<i>Hyphomicrobium.dentrificans.ATCC.51888</i>		Rhizobiales	370	Passes		Yes		0
<i>Hyphomicrobium.sp.MC1</i>		Rhizobiales	339	Passes		Yes		3
<i>Magnetospirillum.magnetotacticum.MS-1</i>		Rhodospirillales	260	Passes	Potential non-classical secretion	No		4
<i>Rhodomicrobium.vannielii.ATCC71100</i>		Rhizobiales	391	Passes		Boarderline	Weak TMH prediction	4
<b>Non-orthologous</b>								
<i>Acetobacter.pasteurianus.IFO3283-01 (REF)</i>		Rhodospirillales	590	Fails	Putative PodJL	No		7
<i>Asticca.aulis.excentricus.CB_48</i>		Caulobacterales	497	Fails	Putative PodJL	No		7
<i>Asticca.aulis.excentricus.CB_48</i>		Caulobacterales	417	Fails	Putative PodJL	No		4
<i>Azospirillum.brasiliense.Sp245</i>		Rhodospirillales	567	Fails	Putative $\beta$ -lactamase	No		13
<i>Azospirillum.lipoferum.4B</i>		Rhodospirillales	450	Fails	Putative PodJL ortholog	No		6
<i>Azospirillum.sp.B510</i>		Rhodospirillales	452	Fails	Putative PodJL ortholog	No		6
<i>Gluconacetobacter.hansenii.ATCC.23769</i>		Rhodospirillales	606	Fails		No		7
<i>Gluconacetobacter.diazotrophicus.PA1_5</i>		Rhodospirillales	593	Fails				12
<i>Gluconacetobacter.diazotrophicus.PA1_5</i>		Rhodospirillales	593	Fails				11
<i>Gluconacetobacter.europaeus.LMG18494</i>		Rhodospirillales	594	Fails		No SP consensus		8
<i>Gluconacetobacter.xylinus.NBR3288</i>		Rhodospirillales	595	Fails				11
<i>Gluconobacter.oxydans.621H</i>		Rhodospirillales	590	Fails		No SP consensus		8
<i>Granulibacter.bethesdensis.CGNH1</i>		Rhodospirillales	652	Fails		No SP consensus		9
<i>Hyphomicrobium.sp.MC1</i>		Rhizobiales	360	Fails				4
<i>Hyphomicrobium.sp.MC1</i>		Rhizobiales	384	Fails				5
<i>Magnetococcus.marinus.MC-1</i>		Magnetococcales	831	Fails		No SP consensus		14
<i>Magnetococcus.marinus.MC-1</i>		Magnetococcales	976	Fails		No SP consensus		12
<i>Magnetospirillum.gryphiswaldense.MSR-1</i>		Rhodospirillales	471	Fails				8
<i>Magnetospirillum.magneticum.AMB-1</i>		Rhodospirillales	393	Fails	Putative PodJL ortholog			6
<i>Maricaulis.maris.MCS10</i>		Rhodobacterales	401	Fails				4
<i>Maricaulis.maris.MCS10</i>		Rhodobacterales	1072	Fails	PG_binding_1 domain (PF01471)	No		3
<i>Octadecabacter.arcticus.238</i>		Rhodobacterales	455	Fails	Potential non-classical secretion	No		4
<i>Parvularcula.bermudensis.HTCC2503</i>		Parvularculales	411	Fails				6
<i>Rhodobacter.sphaeroides.2.4.1 (REF)</i>		Rhodobacterales	971	Fails	Peptidase_C14 domain (PF00656)			9
<i>Rhodobacter.sphaeroides.ATCC.17025</i>		Rhodobacterales	400	Fails		No	TMH prediction	5
<i>Rhodomicrobium.vannielii.ATCC71100</i>		Rhizobiales	598	Fails	Possibly not secreted			9
<i>Rhodospirillum.photometricum.DSM1122</i>		Rhodospirillales	262	Fails		No		7
<i>Rickettsia bellii OSU 85-389</i>		Rickettsiales	1359	Fails				5

<a href="#">Roseobacter.sp.SK209-2-6</a>	Rhodobacterales	782	Fails	Peptidase_C14 (PF00656) & PG_binding_1 (PF01471) domains		6
<a href="#">Sphingobium.chlorophenicum.L-1</a>	Sphingomonadales	261	Fails	Putative PodJL ortholog		4
<a href="#">Sphingobium.japonicum.IT265</a>	Sphingomonadales	345	Fails	SPOR domain (PF05036)		2
<a href="#">Sphingobium.sp.SVK-6</a>	Sphingomonadales	357	Fails	SPOR domain (PF05036)		2
<a href="#">Sphingopyxis.alaskensis.RB2256</a>	Sphingomonadales	396	Fails	SPOR domain (PF05036)		2
<a href="#">Sphingomonas.wittichii.RW1</a>	Sphingomonadales	250	Fails			4
<a href="#">Zymomonas.mobilis.subsp.mobilis.ATCC10988 (REF)</a>	Sphingomonadales	455	Fails			11

Notes: CSD = Cat-scratch disease