

**Supplementary Table 1: Accessions of *ITS*, *gpd*, *calmodulin*, *28S rRNA*, *ATPase*, *EF-1 alpha* and *histidine kinase* genes of various species of *Stemphylium* used in phylogeny studies as obtained from NCBI Nucleotide database ( <https://www.ncbi.nlm.nih.gov/nucleotide/>)**

Accession	Species	Strain/Isolate	Country
<b><i>ITS</i> gene</b>			
KU850503	<i>S. amaranthi</i>	CBS 124650	China
KU850504	<i>S. amaranthi</i>	CBS 124651	China
KU850505	<i>S. amaranthi</i>	CBS 124746	China
KU850506	<i>S. amaranthi</i>	CBS 124750	Chile
KU850507	<i>S. amaranthi</i>	CBS 124753	China
KU850508	<i>S. amaranthi</i>	CBS 124984	China
KU850509	<i>S. amaranthi</i>	CBS 124985	China
KU850510	<i>S. amaranthi</i>	CBS 124989	New Zealand
KU850510	<i>S. amaranthi</i>	CBS 136589	New Zealand
KU850511	<i>S. armeriae</i>	CBS 338.73	UK
KU850512	<i>S. astragali</i>	CBS 116583	Japan
KU850514	<i>S. beticola</i>	CBS 116599	Canada
KU850515	<i>S. beticola</i>	CBS 133512	Canada
KU850516	<i>S. beticola</i>	CBS 133892	USA
KU850517	<i>S. beticola</i>	CBS 136590	New Zealand
KU850518	<i>S. beticola</i>	CBS 136699	USA
KU850519	<i>S. beticola</i>	CBS 137492	USA
KU850520	<i>S. beticola</i>	CBS 141024	Netherlands
KU850521	<i>S. beticola</i>	CBS 141025	Netherlands
KU850522	<i>S. beticola</i>	CBS 141026	Netherlands
KU850513	<i>S. beticola</i>	CBS 378.54	Canada
KU850523	<i>S. beticola</i>	GV11-196a1-3	Netherlands
KU850524	<i>S. beticola</i>	GV12-275a1	Netherlands
KU850525	<i>S. beticola</i>	GV12-276a1	Netherlands
KU850526	<i>S. beticola</i>	GV12-287a1	Netherlands
KU850527	<i>S. beticola</i>	GV12-336a1	Netherlands
KU850528	<i>S. beticola</i>	GV12-356a1	Netherlands
KU850529	<i>S. beticola</i>	GV12-367a1	Netherlands
KU850530	<i>S. beticola</i>	GV12-368a1	Netherlands
KU850531	<i>S. beticola</i>	GV12-403a1	Netherlands
KU850532	<i>S. beticola</i>	GV13-425a1	Netherlands
KU850533	<i>S. beticola</i>	GV13-436c2	Netherlands
KU850534	<i>S. beticola</i>	GV14-693a1	UK
KU850535	<i>S. beticola</i>	IFZ2013-024	Germany
KU850535	<i>S. beticola</i>	IFZ2013-035	Germany
KU850537	<i>S. beticola</i>	IFZ2014-020	Germany
KU850538	<i>S. botryosum</i>	CBS 116596	USA
MH859208	<i>S. botryosum</i>	CBS 714.68	Canada

MH206172	<i>S. botryosum</i>	M-14	China
MH206170	<i>S. botryosum</i>	M-2	China
MH206171	<i>S. botryosum</i>	M-4	China
MH856744	<i>S. callistephi</i>	CBS 527.50	USA
AF229482	<i>S. callistephi</i>	EEB 1055	Unknown
KU850641	<i>S. canadense</i>	CBS 116602	Canada
KU850642	<i>S. canadense</i>	CBS 118081	Canada
KU850640	<i>S. chrysanthemicola</i>	CBS 117255	New Zealand
GQ395365	<i>S. drummondii</i>	CBS 346.83	Germany
KU850632	<i>S. drummondii</i>	CBS 716.68	USA
KU850541	<i>S. eturmiunum</i>	CBS 109845	New Zealand
KU850542	<i>S. eturmiunum</i>	CBS 122124	Greece
KU850543	<i>S. eturmiunum</i>	CBS 122641	France
KU850544	<i>S. eturmiunum</i>	CBS 124652	China
KU850545	<i>S. eturmiunum</i>	CBS 133528	India
KU850546	<i>S. eturmiunum</i>	CBS 138495	China
KU850540	<i>S. eturmiunum</i>	CBS 668.80	Greece
KU850550	<i>S. gracilariae</i>	CBS 115179	Spain
KU850551	<i>S. gracilariae</i>	CBS 115180	Spain
KU850552	<i>S. gracilariae</i>	CBS 125060	China
KU850548	<i>S. gracilariae</i>	CBS 273.55	Unknown
KU850547	<i>S. gracilariae</i>	CBS 308.36	USA
MH862230	<i>S. gracilariae</i>	CBS 482.90	Israel
MH860692	<i>S. halophilum</i>	CBS 337.73	UK
KU850554	<i>S. halophilum</i>	CBS 410.73	UK
KU850590	<i>S. ixeridis</i>	CBS 124748	China
KU850594	<i>S. lancipes</i>	CBS 101217	New Zealand
KU850595	<i>S. lancipes</i>	CBS 116584	New Zealand
KU850596	<i>S. lancipes</i>	CBS 133314	USA
MH857374	<i>S. loti</i>	CBS 407.54	USA
KU850629	<i>S. lucomagnoense</i>	CBS 116601	Switzerland
KU850598	<i>S. lycii</i>	CBS 115192	Portugal
KU850599	<i>S. lycii</i>	CBS 116582	USA
KU850600	<i>S. lycii</i>	CBS 124982	China
KU850601	<i>S. lycii</i>	CBS 125240	China
KU850602	<i>S. lycii</i>	CBS 125241	China
MH862998	<i>S. lycopersici</i>	CBS 116585	New Caledonia
KU850608	<i>S. lycopersici</i>	CBS 116587	Dominican Republic
KU850609	<i>S. lycopersici</i>	CBS 120325	China
KU850610	<i>S. lycopersici</i>	CBS 120326	China
KU850611	<i>S. lycopersici</i>	CBS 122639	China
MH863236	<i>S. lycopersici</i>	CBS 122803	China
KU850613	<i>S. lycopersici</i>	CBS 123008	China
KU850614	<i>S. lycopersici</i>	CBS 124980	China

KU850615	<i>S. lycopersici</i>	CBS 124981	China
KU850616	<i>S. lycopersici</i>	CBS 124983	China
KU850617	<i>S. lycopersici</i>	CBS 135778	New Zealand
KU850606	<i>S. lycopersici</i>	CBS 321.87	Senegal
KU850603	<i>S. lycopersici</i>	CBS 333.73	Netherlands
KU850604	<i>S. lycopersici</i>	CBS 436.76	Indonesia
KU850605	<i>S. lycopersici</i>	CBS 463.78	Peru
MF508967	<i>S. lycopersici</i>	LJ1609270201	China
KU850619	<i>S. majusculum</i>	CBS 133424	USA
MH859209	<i>S. majusculum</i>	CBS 717.68	USA
KU850630	<i>S. novae-zelandiae</i>	CBS 138157	New Zealand
KU850631	<i>S. novae-zelandiae</i>	CBS 138295	New Zealand
MH862838	<i>S. paludiscirpi</i>	CBS 109842	USA
KU850591	<i>S. sarciniforme</i>	CBS 110049	Iran
KU850623	<i>S. sarciniforme</i>	CBS 116579	USA
KU850592	<i>S. sarciniforme</i>	CBS 116581	Iran
KU850624	<i>S. sarciniforme</i>	CBS 133723	USA
KU850593	<i>S. sarciniforme</i>	CBS 136810	Iran
KU850625	<i>S. sarciniforme</i>	CBS 138345	New Zealand
KU850621	<i>S. sarciniforme</i>	CBS 335.33	USA
KU850622	<i>S. sarciniforme</i>	CBS 364.49	USA
KU850633	<i>S. simmonsii</i>	CBS 116598	Canada
KU850634	<i>S. simmonsii</i>	CBS 116603	Canada
KU850635	<i>S. simmonsii</i>	CBS 116604	Canada
KU850636	<i>S. simmonsii</i>	CBS 133515	Canada
KU850637	<i>S. simmonsii</i>	CBS 133518	Canada
KU850638	<i>S. simmonsii</i>	CBS 133894	USA
KU850639	<i>S. simmonsii</i>	CBS 134496	Australia
KU850632	<i>S. simmonsii</i>	CBS 716.68	USA
KU850627	<i>S. solani</i>	CBS 116586	USA
KU850628	<i>S. solani</i>	CBS 118082	USA
MH857375	<i>S. solani</i>	CBS 408.54	USA
KY883858	<i>S. symphyti</i>	CBS 115268	USA
KU850644	<i>S. symphyti</i>	CBS 118796	New Zealand
KU850645	<i>S. symphyti</i>	CBS 138069	New Zealand
KU850646	<i>S. symphyti</i>	CBS 138070	New Zealand
KU850647	<i>S. trifolii</i>	CBS 116580	USA
MH859210	<i>S. triglochinicola</i>	CBS 718.68	UK
KU850571	<i>S. vesicarium</i>	CBS 109843	New Zealand
MH862840	<i>S. vesicarium</i>	CBS 109844	USA
KU850573	<i>S. vesicarium</i>	CBS 115182	South Africa
KU850574	<i>S. vesicarium</i>	CBS 115204	Portugal
KU850575	<i>S. vesicarium</i>	CBS 122640	China
KU850576	<i>S. vesicarium</i>	CBS 123005	China

KU850577	<i>S. vesicarium</i>	CBS 123803	China
KU850578	<i>S. vesicarium</i>	CBS 124279	Denmark
KU850579	<i>S. vesicarium</i>	CBS 124747	China
MH863402	<i>S. vesicarium</i>	CBS 124749	China
KU850581	<i>S. vesicarium</i>	CBS 124751	China
KU850582	<i>S. vesicarium</i>	CBS 124752	China
KU850583	<i>S. vesicarium</i>	CBS 125242	China
KU850584	<i>S. vesicarium</i>	CBS 133474	USA
KU850585	<i>S. vesicarium</i>	CBS 133737	Australia
KU850586	<i>S. vesicarium</i>	CBS 133905	USA
KU850587	<i>S. vesicarium</i>	CBS 133914	USA
KU850588	<i>S. vesicarium</i>	CBS 138138	Netherlands
KU850555	<i>S. vesicarium</i>	CBS 155.24	Unknown
KU850561	<i>S. vesicarium</i>	CBS 156.45	Netherlands
KU850556	<i>S. vesicarium</i>	CBS 157.24	Unknown
KU850557	<i>S. vesicarium</i>	CBS 184.25	UK
MH861935	<i>S. vesicarium</i>	CBS 191.86	India
KU850568	<i>S. vesicarium</i>	CBS 192.86	Australia
KU850567	<i>S. vesicarium</i>	CBS 205.82	Netherlands
KU850558	<i>S. vesicarium</i>	CBS 273.31	Unknown
KU850559	<i>S. vesicarium</i>	CBS 274.31	Unknown
KU850560	<i>S. vesicarium</i>	CBS 307.36	Tunisia
KU850569	<i>S. vesicarium</i>	CBS 311.92	Netherlands
KU850562	<i>S. vesicarium</i>	CBS 322.49	Netherlands
KU850564	<i>S. vesicarium</i>	CBS 368.59	Denmark
KU850563	<i>S. vesicarium</i>	CBS 370.51	Netherlands
KU850566	<i>S. vesicarium</i>	CBS 406.76	Germany
KU850570	<i>S. vesicarium</i>	CBS 486.92	Netherlands
KU850565	<i>S. vesicarium</i>	CBS 715.68	Canada
KU850589	<i>S. vesicarium</i>	GV11-355a1-2	Netherlands
MH206173	<i>S. vesicarium</i>	M-6	China

***gpd* gene**

KU850650	<i>S. amaranthi</i>	CBS 124650	China
KU850651	<i>S. amaranthi</i>	CBS 124651	China
KU850652	<i>S. amaranthi</i>	CBS 124746	China
KU850653	<i>S. amaranthi</i>	CBS 124750	Chile
KU850654	<i>S. amaranthi</i>	CBS 124753	China
KU850655	<i>S. amaranthi</i>	CBS 124984	China
KU850656	<i>S. amaranthi</i>	CBS 124985	China
KU850657	<i>S. amaranthi</i>	CBS 124989	New Zealand
KU850657	<i>S. amaranthi</i>	CBS 136589	New Zealand
KU850658	<i>S. armeriae</i>	CBS 338.73	UK
KU850659	<i>S. astragali</i>	CBS 116583	Japan
KU850661	<i>S. beticola</i>	CBS 116599	Canada

KU850662	<i>S. beticola</i>	CBS 133512	Canada
KU850663	<i>S. beticola</i>	CBS 133892	USA
KU850664	<i>S. beticola</i>	CBS 136590	New Zealand
KU850665	<i>S. beticola</i>	CBS 136699	USA
KU850666	<i>S. beticola</i>	CBS 137492	USA
KU850667	<i>S. beticola</i>	CBS 141024	Netherlands
KU850668	<i>S. beticola</i>	CBS 141025	Netherlands
KU850669	<i>S. beticola</i>	CBS 141026	Netherlands
KU850660	<i>S. beticola</i>	CBS 378.54	Canada
KU850670	<i>S. beticola</i>	GV11-196a1-3	Netherlands
KU850671	<i>S. beticola</i>	GV12-275a1	Netherlands
KU850672	<i>S. beticola</i>	GV12-276a1	Netherlands
KU850673	<i>S. beticola</i>	GV12-287a1	Netherlands
KU850674	<i>S. beticola</i>	GV12-336a1	Netherlands
KU850675	<i>S. beticola</i>	GV12-356a1	Netherlands
KU850676	<i>S. beticola</i>	GV12-367a1	Netherlands
KU850677	<i>S. beticola</i>	GV12-368a1	Netherlands
KU850678	<i>S. beticola</i>	GV12-403a1	Netherlands
KU850679	<i>S. beticola</i>	GV13-425a1	Netherlands
KU850680	<i>S. beticola</i>	GV13-436c2	Netherlands
KU850681	<i>S. beticola</i>	GV14-693a1	UK
KU850682	<i>S. beticola</i>	IFZ2013-024	Germany
KU850682	<i>S. beticola</i>	IFZ2013-035	Germany
KU850684	<i>S. beticola</i>	IFZ2014-020	Germany
KU850685	<i>S. botryosum</i>	CBS 116596	USA
AF443881	<i>S. botryosum</i>	CBS 714.68	Canada
MH206176	<i>S. botryosum</i>	M-14	China
MH206174	<i>S. botryosum</i>	M-2	China
MH206175	<i>S. botryosum</i>	M-4	China
KU850686	<i>S. callistephi</i>	CBS 527.50	USA
AY278822	<i>S. callistephi</i>	EEB 1055	Unknown
KU850782	<i>S. canadense</i>	CBS 116602	Canada
KU850783	<i>S. canadense</i>	CBS 118081	Canada
KU850781	<i>S. chrysanthemicola</i>	CBS 117255	New Zealand
KU850687	<i>S. drummondii</i>	CBS 346.83	Germany
KU850773	<i>S. drummondii</i>	CBS 716.68	USA
KU850689	<i>S. eturmiunum</i>	CBS 109845	New Zealand
KU850690	<i>S. eturmiunum</i>	CBS 122124	Greece
GQ395372	<i>S. eturmiunum</i>	CBS 122641	France
KU850692	<i>S. eturmiunum</i>	CBS 124652	China
KU850693	<i>S. eturmiunum</i>	CBS 133528	India
KU850694	<i>S. eturmiunum</i>	CBS 138495	China
KU850688	<i>S. eturmiunum</i>	CBS 668.80	Greece
KU850697	<i>S. gracilariae</i>	CBS 115179	Spain

KU850698	<i>S. gracilariae</i>	CBS 115180	Spain
KU850699	<i>S. gracilariae</i>	CBS 125060	China
KU850696	<i>S. gracilariae</i>	CBS 273.55	Unknown
KU850695	<i>S. gracilariae</i>	CBS 308.36	USA
AF443883	<i>S. gracilariae</i>	CBS 482.90	Israel
KU850700	<i>S. halophilum</i>	CBS 337.73	UK
KU850701	<i>S. halophilum</i>	CBS 410.73	UK
KU850737	<i>S. ixeridis</i>	CBS 124748	China
KU850741	<i>S. lancipes</i>	CBS 101217	New Zealand
AF443886	<i>S. lancipes</i>	CBS 116584	New Zealand
KU850742	<i>S. lancipes</i>	CBS 133314	USA
KU850743	<i>S. loti</i>	CBS 407.54	USA
KU850770	<i>S. lucomagnoense</i>	CBS 116601	Switzerland
KU850744	<i>S. lycii</i>	CBS 115192	Portugal
KU850745	<i>S. lycii</i>	CBS 116582	USA
KU850746	<i>S. lycii</i>	CBS 124982	China
KU850747	<i>S. lycii</i>	CBS 125240	China
KU850748	<i>S. lycii</i>	CBS 125241	China
AY317010	<i>S. lycopersici</i>	CBS 116585	New Caledonia
KU850753	<i>S. lycopersici</i>	CBS 116587	Dominican Republic
KU850754	<i>S. lycopersici</i>	CBS 120325	China
KU850755	<i>S. lycopersici</i>	CBS 120326	China
KU850756	<i>S. lycopersici</i>	CBS 122639	China
KU850757	<i>S. lycopersici</i>	CBS 122803	China
KU850758	<i>S. lycopersici</i>	CBS 123008	China
KU850759	<i>S. lycopersici</i>	CBS 124980	China
KU850760	<i>S. lycopersici</i>	CBS 124981	China
KU850761	<i>S. lycopersici</i>	CBS 124983	China
AY317026	<i>S. lycopersici</i>	CBS 135778	New Zealand
KU850752	<i>S. lycopersici</i>	CBS 321.87	Senegal
KU850749	<i>S. lycopersici</i>	CBS 333.73	Netherlands
KU850750	<i>S. lycopersici</i>	CBS 436.76	Indonesia
KU850751	<i>S. lycopersici</i>	CBS 463.78	Peru
MF508966	<i>S. lycopersici</i>	LJ1609270201	China
AF443891	<i>S. majusculum</i>	CBS 133424	USA
AF443891	<i>S. majusculum</i>	CBS 717.68	USA
KU850771	<i>S. novae-zelandiae</i>	CBS 138157	New Zealand
KU850772	<i>S. novae-zelandiae</i>	CBS 138295	New Zealand
KU850762	<i>S. paludiscirpi</i>	CBS 109842	USA
KU850738	<i>S. sarciniforme</i>	CBS 110049	Iran
AF443892	<i>S. sarciniforme</i>	CBS 116579	USA
KU850739	<i>S. sarciniforme</i>	CBS 116581	Iran
KU850765	<i>S. sarciniforme</i>	CBS 133723	USA
KU850740	<i>S. sarciniforme</i>	CBS 136810	Iran

KU850766	<i>S. sarciniforme</i>	CBS 138345	New Zealand
KU850763	<i>S. sarciniforme</i>	CBS 335.33	USA
KU850764	<i>S. sarciniforme</i>	CBS 364.49	USA
KU850774	<i>S. simmonsii</i>	CBS 116598	Canada
KU850775	<i>S. simmonsii</i>	CBS 116603	Canada
KU850776	<i>S. simmonsii</i>	CBS 116604	Canada
KU850777	<i>S. simmonsii</i>	CBS 133515	Canada
KU850778	<i>S. simmonsii</i>	CBS 133518	Canada
KU850779	<i>S. simmonsii</i>	CBS 133894	USA
KU850780	<i>S. simmonsii</i>	CBS 134496	Australia
KU850773	<i>S. simmonsii</i>	CBS 716.68	USA
KU850768	<i>S. solani</i>	CBS 116586	USA
KU850769	<i>S. solani</i>	CBS 118082	USA
KU850767	<i>S. solani</i>	CBS 408.54	USA
KU850784	<i>S. symphyti</i>	CBS 115268	USA
KU850785	<i>S. symphyti</i>	CBS 118796	New Zealand
KU850786	<i>S. symphyti</i>	CBS 138069	New Zealand
KU850787	<i>S. symphyti</i>	CBS 138070	New Zealand
KU850788	<i>S. trifolii</i>	CBS 116580	USA
KU850789	<i>S. triglochinicola</i>	CBS 718.68	UK
KU850718	<i>S. vesicarium</i>	CBS 109843	New Zealand
KU850719	<i>S. vesicarium</i>	CBS 109844	USA
KU850720	<i>S. vesicarium</i>	CBS 115182	South Africa
KU850721	<i>S. vesicarium</i>	CBS 115204	Portugal
KU850722	<i>S. vesicarium</i>	CBS 122640	China
KU850723	<i>S. vesicarium</i>	CBS 123005	China
KU850724	<i>S. vesicarium</i>	CBS 123803	China
KU850725	<i>S. vesicarium</i>	CBS 124279	Denmark
KU850726	<i>S. vesicarium</i>	CBS 124747	China
KU850727	<i>S. vesicarium</i>	CBS 124749	China
KU850728	<i>S. vesicarium</i>	CBS 124751	China
KU850729	<i>S. vesicarium</i>	CBS 124752	China
KU850730	<i>S. vesicarium</i>	CBS 125242	China
KU850731	<i>S. vesicarium</i>	CBS 133474	USA
KU850732	<i>S. vesicarium</i>	CBS 133737	Australia
KU850733	<i>S. vesicarium</i>	CBS 133905	USA
KU850734	<i>S. vesicarium</i>	CBS 133914	USA
KU850735	<i>S. vesicarium</i>	CBS 138138	Netherlands
KU850702	<i>S. vesicarium</i>	CBS 155.24	Unknown
KU850708	<i>S. vesicarium</i>	CBS 156.45	Netherlands
KU850703	<i>S. vesicarium</i>	CBS 157.24	Unknown
KU850704	<i>S. vesicarium</i>	CBS 184.25	UK
AF443884	<i>S. vesicarium</i>	CBS 191.86	India
KU850715	<i>S. vesicarium</i>	CBS 192.86	Australia

KU850714	<i>S. vesicarium</i>	CBS 205.82	Netherlands
KU850705	<i>S. vesicarium</i>	CBS 273.31	Unknown
KU850706	<i>S. vesicarium</i>	CBS 274.31	Unknown
KU850707	<i>S. vesicarium</i>	CBS 307.36	Tunisia
KU850716	<i>S. vesicarium</i>	CBS 311.92	Netherlands
KU850709	<i>S. vesicarium</i>	CBS 322.49	Netherlands
KU850711	<i>S. vesicarium</i>	CBS 368.59	Denmark
KU850710	<i>S. vesicarium</i>	CBS 370.51	Netherlands
KU850713	<i>S. vesicarium</i>	CBS 406.76	Germany
KU850717	<i>S. vesicarium</i>	CBS 486.92	Netherlands
KU850712	<i>S. vesicarium</i>	CBS 715.68	Canada
KU850736	<i>S. vesicarium</i>	GV11-355a1-2	Netherlands
MH206177	<i>S. vesicarium</i>	M-6	China
<b>calmodulin gene</b>			
KU850791	<i>S. amaranthi</i>	CBS 124650	China
KU850792	<i>S. amaranthi</i>	CBS 124651	China
KU850793	<i>S. amaranthi</i>	CBS 124746	China
KU850794	<i>S. amaranthi</i>	CBS 124750	Chile
KU850795	<i>S. amaranthi</i>	CBS 124753	China
KU850796	<i>S. amaranthi</i>	CBS 124984	China
KU850797	<i>S. amaranthi</i>	CBS 124985	China
KU850798	<i>S. amaranthi</i>	CBS 124989	New Zealand
KU850798	<i>S. amaranthi</i>	CBS 136589	New Zealand
KU850799	<i>S. armeriae</i>	CBS 338.73	UK
KU850800	<i>S. astragali</i>	CBS 116583	Japan
KU850802	<i>S. beticola</i>	CBS 116599	Canada
KU850803	<i>S. beticola</i>	CBS 133512	Canada
KU850804	<i>S. beticola</i>	CBS 133892	USA
KU850805	<i>S. beticola</i>	CBS 136590	New Zealand
KU850806	<i>S. beticola</i>	CBS 136699	USA
KU850807	<i>S. beticola</i>	CBS 137492	USA
KU850808	<i>S. beticola</i>	CBS 141024	Netherlands
KU850809	<i>S. beticola</i>	CBS 141025	Netherlands
KU850810	<i>S. beticola</i>	CBS 141026	Netherlands
KU850801	<i>S. beticola</i>	CBS 378.54	Canada
KU850811	<i>S. beticola</i>	GV11-196a1-3	Netherlands
KU850812	<i>S. beticola</i>	GV12-275a1	Netherlands
KU850813	<i>S. beticola</i>	GV12-276a1	Netherlands
KU850814	<i>S. beticola</i>	GV12-287a1	Netherlands
KU850815	<i>S. beticola</i>	GV12-336a1	Netherlands
KU850816	<i>S. beticola</i>	GV12-356a1	Netherlands
KU850817	<i>S. beticola</i>	GV12-367a1	Netherlands
KU850818	<i>S. beticola</i>	GV12-368a1	Netherlands
KU850819	<i>S. beticola</i>	GV12-403a1	Netherlands



KU850820	<i>S. beticola</i>	GV13-425a1	Netherlands
KU850821	<i>S. beticola</i>	GV13-436c2	Netherlands
KU850822	<i>S. beticola</i>	GV14-693a1	UK
KU850823	<i>S. beticola</i>	IFZ2013-024	Germany
KU850823	<i>S. beticola</i>	IFZ2013-035	Germany
KU850825	<i>S. beticola</i>	IFZ2014-020	Germany
KU850827	<i>S. botryosum</i>	CBS 116596	USA
KU850826	<i>S. botryosum</i>	CBS 714.68	Canada
MH206180	<i>S. botryosum</i>	M-14	China
MH206178	<i>S. botryosum</i>	M-2	China
MH206179	<i>S. botryosum</i>	M-4	China
KU850828	<i>S. callistephi</i>	CBS 527.50	USA
JQ646103	<i>S. callistephi</i>	EEB 1055	Unknown
KU850932	<i>S. canadense</i>	CBS 116602	Canada
KU850933	<i>S. canadense</i>	CBS 118081	Canada
KU850931	<i>S. chrysanthemicola</i>	CBS 117255	New Zealand
KU850829	<i>S. drummondii</i>	CBS 346.83	Germany
KU850923	<i>S. drummondii</i>	CBS 716.68	USA
KU850831	<i>S. eturmiunum</i>	CBS 109845	New Zealand
KU850832	<i>S. eturmiunum</i>	CBS 122124	Greece
KU850833	<i>S. eturmiunum</i>	CBS 122641	France
KU850834	<i>S. eturmiunum</i>	CBS 124652	China
KU850835	<i>S. eturmiunum</i>	CBS 133528	India
KU850836	<i>S. eturmiunum</i>	CBS 138495	China
KU850830	<i>S. eturmiunum</i>	CBS 668.80	Greece
KU850840	<i>S. gracilariae</i>	CBS 115179	Spain
KU850841	<i>S. gracilariae</i>	CBS 115180	Spain
KU850842	<i>S. gracilariae</i>	CBS 125060	China
KU850838	<i>S. gracilariae</i>	CBS 273.55	Unknown
KU850837	<i>S. gracilariae</i>	CBS 308.36	USA
KU850839	<i>S. gracilariae</i>	CBS 482.90	Israel
KU850843	<i>S. halophilum</i>	CBS 337.73	UK
KU850844	<i>S. halophilum</i>	CBS 410.73	UK
KU850881	<i>S. ixeridis</i>	CBS 124748	China
KU850885	<i>S. lancipes</i>	CBS 101217	New Zealand
KU850886	<i>S. lancipes</i>	CBS 116584	New Zealand
KU850887	<i>S. lancipes</i>	CBS 133314	USA
KU850888	<i>S. loti</i>	CBS 407.54	USA
KU850920	<i>S. lucomagnoense</i>	CBS 116601	Switzerland
KU850889	<i>S. lycii</i>	CBS 115192	Portugal
KU850890	<i>S. lycii</i>	CBS 116582	USA
KU850891	<i>S. lycii</i>	CBS 124982	China
KU850892	<i>S. lycii</i>	CBS 125240	China
KU850893	<i>S. lycii</i>	CBS 125241	China

KU850898	<i>S. lycopersici</i>	CBS 116585	New Caledonia
KU850899	<i>S. lycopersici</i>	CBS 116587	Dominican Republic
KU850900	<i>S. lycopersici</i>	CBS 120325	China
KU850901	<i>S. lycopersici</i>	CBS 120326	China
KU850902	<i>S. lycopersici</i>	CBS 122639	China
KU850903	<i>S. lycopersici</i>	CBS 122803	China
KU850904	<i>S. lycopersici</i>	CBS 123008	China
KU850905	<i>S. lycopersici</i>	CBS 124980	China
KU850906	<i>S. lycopersici</i>	CBS 124981	China
KU850907	<i>S. lycopersici</i>	CBS 124983	China
KU850908	<i>S. lycopersici</i>	CBS 135778	New Zealand
KU850897	<i>S. lycopersici</i>	CBS 321.87	Senegal
KU850894	<i>S. lycopersici</i>	CBS 333.73	Netherlands
KU850895	<i>S. lycopersici</i>	CBS 436.76	Indonesia
KU850896	<i>S. lycopersici</i>	CBS 463.78	Peru
MG742412	<i>S. lycopersici</i>	LJ1609270201	China
KU850910	<i>S. majusculum</i>	CBS 133424	USA
KU850909	<i>S. majusculum</i>	CBS 717.68	USA
KU850921	<i>S. novae-zelandiae</i>	CBS 138157	New Zealand
KU850922	<i>S. novae-zelandiae</i>	CBS 138295	New Zealand
KU850911	<i>S. paludiscirpi</i>	CBS 109842	USA
KU850882	<i>S. sarciniforme</i>	CBS 110049	Iran
KU850914	<i>S. sarciniforme</i>	CBS 116579	USA
KU850883	<i>S. sarciniforme</i>	CBS 116581	Iran
KU850915	<i>S. sarciniforme</i>	CBS 133723	USA
KU850884	<i>S. sarciniforme</i>	CBS 136810	Iran
KU850916	<i>S. sarciniforme</i>	CBS 138345	New Zealand
KU850912	<i>S. sarciniforme</i>	CBS 335.33	USA
KU850913	<i>S. sarciniforme</i>	CBS 364.49	USA
KU850924	<i>S. simmonsii</i>	CBS 116598	Canada
KU850925	<i>S. simmonsii</i>	CBS 116603	Canada
KU850926	<i>S. simmonsii</i>	CBS 116604	Canada
KU850927	<i>S. simmonsii</i>	CBS 133515	Canada
KU850928	<i>S. simmonsii</i>	CBS 133518	Canada
KU850929	<i>S. simmonsii</i>	CBS 133894	USA
KU850930	<i>S. simmonsii</i>	CBS 134496	Australia
KU850923	<i>S. simmonsii</i>	CBS 716.68	USA
KU850918	<i>S. solani</i>	CBS 116586	USA
KU850919	<i>S. solani</i>	CBS 118082	USA
KU850917	<i>S. solani</i>	CBS 408.54	USA
KU850934	<i>S. symphyti</i>	CBS 115268	USA
KU850935	<i>S. symphyti</i>	CBS 118796	New Zealand
KU850936	<i>S. symphyti</i>	CBS 138069	New Zealand
KU850937	<i>S. symphyti</i>	CBS 138070	New Zealand

KU850938	<i>S. trifolii</i>	CBS 116580	USA
KU850939	<i>S. triglochinicola</i>	CBS 718.68	UK
KU850862	<i>S. vesicarium</i>	CBS 109843	New Zealand
KU850863	<i>S. vesicarium</i>	CBS 109844	USA
KU850864	<i>S. vesicarium</i>	CBS 115182	South Africa
KU850865	<i>S. vesicarium</i>	CBS 115204	Portugal
KU850866	<i>S. vesicarium</i>	CBS 122640	China
KU850867	<i>S. vesicarium</i>	CBS 123005	China
KU850868	<i>S. vesicarium</i>	CBS 123803	China
KU850869	<i>S. vesicarium</i>	CBS 124279	Denmark
KU850870	<i>S. vesicarium</i>	CBS 124747	China
KU850871	<i>S. vesicarium</i>	CBS 124749	China
KU850872	<i>S. vesicarium</i>	CBS 124751	China
KU850873	<i>S. vesicarium</i>	CBS 124752	China
KU850874	<i>S. vesicarium</i>	CBS 125242	China
KU850875	<i>S. vesicarium</i>	CBS 133474	USA
KU850876	<i>S. vesicarium</i>	CBS 133737	Australia
KU850877	<i>S. vesicarium</i>	CBS 133905	USA
KU850878	<i>S. vesicarium</i>	CBS 133914	USA
KU850879	<i>S. vesicarium</i>	CBS 138138	Netherlands
KU850845	<i>S. vesicarium</i>	CBS 155.24	Unknown
KU850851	<i>S. vesicarium</i>	CBS 156.45	Netherlands
KU850846	<i>S. vesicarium</i>	CBS 157.24	Unknown
KU850847	<i>S. vesicarium</i>	CBS 184.25	UK
KU850858	<i>S. vesicarium</i>	CBS 191.86	India
KU850859	<i>S. vesicarium</i>	CBS 192.86	Australia
KU850857	<i>S. vesicarium</i>	CBS 205.82	Netherlands
KU850848	<i>S. vesicarium</i>	CBS 273.31	Unknown
KU850849	<i>S. vesicarium</i>	CBS 274.31	Unknown
KU850850	<i>S. vesicarium</i>	CBS 307.36	Tunisia
KU850860	<i>S. vesicarium</i>	CBS 311.92	Netherlands
KU850852	<i>S. vesicarium</i>	CBS 322.49	Netherlands
KU850854	<i>S. vesicarium</i>	CBS 368.59	Denmark
KU850853	<i>S. vesicarium</i>	CBS 370.51	Netherlands
KU850856	<i>S. vesicarium</i>	CBS 406.76	Germany
KU850861	<i>S. vesicarium</i>	CBS 486.92	Netherlands
KU850855	<i>S. vesicarium</i>	CBS 715.68	Canada
KU850880	<i>S. vesicarium</i>	GV11-355a1-2	Netherlands
MH206181	<i>S. vesicarium</i>	M-6	China
<b>28S rRNA</b>			
KX228349	<i>S. beticola</i>	-	Netherlands
MH878201	<i>S. beticola</i>	-	Netherlands
KC584345	<i>S. botryosum</i>	CBS 714.68	Netherland
MH870931	<i>S. botryosum</i>	CBS 714.68	Netherland

MH868266	<i>S. callistephi</i>	CBS 527.50	USA
MH874431	<i>S. eturmiunum</i>	CBS 109845	New Zealand
MK431468	<i>S. eturmiunum</i>	JAC12722	New Zealand
AY849955	<i>S. halophilum</i>	CBS 410.73	UK
MH872400	<i>S. halophilum</i>	CBS 337.73	UK
MH868917	<i>S. loti</i>	CBS 407.54	USA
MH874554	<i>S. lycopersici</i>	CBS 116585	Netherland
MH874764	<i>S. lycopersici</i>	CBS 122803	Netherland
MH870932	<i>S. majusculum</i>	CBS 717.68	USA
MH874428	<i>S. paludiscirpi</i>	CBS 109842	USA
MH868918	<i>S. solani</i>	CBS 408.54	Netherland
MH870933	<i>S. triglochinicola</i>	CBS 718.68	UK
MH255549	<i>S. vesicarium</i>	Am95	Iran
MH873624	<i>S. vesicarium</i>	CBS 191.86	India
MH873625	<i>S. vesicarium</i>	CBS 192.86	Australia
MH874429	<i>S. vesicarium</i>	CBS 109843	New Zealand
MH874430	<i>S. vesicarium</i>	CBS 109844	USA
MH874919	<i>S. vesicarium</i>	CBS 124749	China
<b>ATPase</b>			
AB828244	<i>S. lycopersici</i>	MAFF 731071	Japan
AY329302	<i>P. paludiscirpi</i>	EGS 31-016	Unknown
AY329271	<i>S. botryosum</i>	EGS08-069	Canada
AY329321	<i>S. callistephi</i>	NO 0536	USA
AY329301	<i>S. eturmiunum</i>	EGS29-099	New Zealand
KF479196	<i>S. globuliferum</i>	SWp202	Unknown
AY329291	<i>S. gracilariae</i>	EGS 37-073	Israel
AY329283	<i>S. lancipes</i>	EGS46-182	New Zealand
AY329322	<i>S. loti</i>	NO 0770	USA
AY329323	<i>S. loti</i>	NO 1364	USA
AB828245	<i>S. lycopersici</i>	MAFF 744030	Japan
AB828246	<i>S. lycopersici</i>	MAFF 712285	Japan
AB828247	<i>S. lycopersici</i>	MAFF 235583	Japan
AB828248	<i>S. lycopersici</i>	KuNBY1	Japan
AB828249	<i>S. lycopersici</i>	KuNBY2	Japan
AB828250	<i>S. lycopersici</i>	KuNBY3	Japan
AB828251	<i>S. lycopersici</i>	KuNBY4	Japan
AB979970	<i>S. lycopersici</i>	MAFF 238342	Japan
AB979971	<i>S. lycopersici</i>	MAFF 238863	Japan
AB979972	<i>S. lycopersici</i>	MAFF 243758	Japan
AB979973	<i>S. lycopersici</i>	MAFF 306242	Japan
AB979974	<i>S. lycopersici</i>	MAFF 306243	Japan
AB979975	<i>S. lycopersici</i>	MAFF 306244	Japan
AB979976	<i>S. lycopersici</i>	MAFF 306245	Japan
AB979977	<i>S. lycopersici</i>	MAFF 306719	Japan

AB979978	<i>S. lycopersici</i>	MAFF 425273	Japan
KC160512	<i>S. lycopersici</i>	NAAS12164	Korea
KC160513	<i>S. lycopersici</i>	NAAS12167	Korea
KC160514	<i>S. lycopersici</i>	NAAS12168	Korea
KF483129	<i>S. lycopersici</i>	SSN-T03	Malaysia
KF483130	<i>S. lycopersici</i>	SSN-E12	Malaysia
KF483132	<i>S. lycopersici</i>	SSN-L05	Malaysia
KU599921	<i>S. lycopersici</i>	NC15-378	Korea
LC413542	<i>S. lycopersici</i>	CAR8	Japan
MF357690	<i>S. lycopersici</i>	Unknown	China
AY329299	<i>S. majusculum</i>	EGS16-068	USA
AB979979	<i>S. sarciniforme</i>	MAFF 305456	Japan
AY329289	<i>S. sarciniforme</i>	EGS38-121	USA
AY329295	<i>S. sarciniforme</i>	EGS29-188	Iran
AY329292	<i>S. trifolii</i>	EGS12-142	USA
AY329277	<i>S. triglochinicola</i>	EGS36-118	UK
AY329272	<i>S. vesicarium</i>	EGS36-138	India
AY329274	<i>S. vesicarium</i>	EGS36-088	Australia
AY329300	<i>S. vesicarium</i>	EGS29-089	USA
AY329303	<i>S. vesicarium</i>	EGS48-095	New Zealand
LC413540	<i>S. vesicarium</i>	CAR4	China
LC413541	<i>S. vesicarium</i>	CAR6	China
<b><i>EF-1 alpha</i></b>			
AY324769	<i>P. paludiscirpi</i>	EGS 31-016	
AY324750	<i>S. callistephi</i>	NO 0536	USA
AY324709	<i>S. gracilariae</i>	EGS 37-073	Israel
AY324742	<i>S. lancipes</i>	EGS46-182	New Zealand
AY324775	<i>S. loti</i>	NO 0770	USA
AY324776	<i>S. loti</i>	NO 1364	USA
AB828253	<i>S. lycopersici</i>	KuNBY4	Japan
AB828252	<i>S. lycopersici</i>	MAFF 731071	Japan
AB828254	<i>S. lycopersici</i>	MAFF 744030	Japan
AB828255	<i>S. lycopersici</i>	MAFF 235583	Japan
AB828256	<i>S. lycopersici</i>	MAFF 712285	Japan
AB828257	<i>S. lycopersici</i>	KuNBY1	Japan
AB828258	<i>S. lycopersici</i>	KuNBY2	Japan
AB828259	<i>S. lycopersici</i>	KuNBY3	Japan
AB979910	<i>S. lycopersici</i>	MAFF 238342	Japan
AB979911	<i>S. lycopersici</i>	MAFF 238863	Japan
AB979912	<i>S. lycopersici</i>	MAFF 243758	Japan
AB979913	<i>S. lycopersici</i>	MAFF 306242	Japan
AB979914	<i>S. lycopersici</i>	MAFF 306243	Japan
AB979915	<i>S. lycopersici</i>	MAFF 306244	Japan
AB979916	<i>S. lycopersici</i>	MAFF 306245	Japan

AB979917	<i>S. lycopersici</i>	MAFF 306719	Japan
AB979918	<i>S. lycopersici</i>	MAFF 425273	Japan
AY324761	<i>S. lycopersici</i>	EGS46-001	Canada
KR911804	<i>S. lycopersici</i>	01	China
KR911805	<i>S. lycopersici</i>	02	China
KR911806	<i>S. lycopersici</i>	03	China
KR911807	<i>S. lycopersici</i>	04	China
LC413539	<i>S. lycopersici</i>	CAR8	Japan
AY324710	<i>S. majusculum</i>	EGS16-068	USA
AB979919	<i>S. sarciniforme</i>	MAFF 305456	Japan
AY324743	<i>S. sarciniforme</i>	EGS38-121	USA
AY324746	<i>S. sarciniforme</i>	EGS29-188	Iran
AY324759	<i>S. solani</i>	EGS41-135	Canada
AY324760	<i>S. solani</i>	EGS42-027	Canada
AY324744	<i>S. trifolii</i>	EGS12-142	USA
AY324753	<i>S. triglochinicola</i>	EGS36-118	UK
AY324675	<i>S. vesicarium</i>	EGS36-138	India
AY324676	<i>S. vesicarium</i>	EGS36-088	Australia
AY324711	<i>S. vesicarium</i>	EGS29-089	USA
AY324713	<i>S. vesicarium</i>	EGS48-095	New Zealand
LC413537	<i>S. vesicarium</i>	CAR4	China
LC413538	<i>S. vesicarium</i>	CAR6	China
MH628121	<i>S. vesicarium</i>	OA20	Canada
MH628122	<i>S. vesicarium</i>	OA27	Canada
MH628123	<i>S. vesicarium</i>	OO31	Canada
MH628124	<i>S. vesicarium</i>	NO35	Canada
MH628125	<i>S. vesicarium</i>	NO36	Canada
MH628126	<i>S. vesicarium</i>	OA46	Canada
MH628127	<i>S. vesicarium</i>	OA48	Canada
MH628128	<i>S. vesicarium</i>	NA51	Canada
<b>histidine kinase</b>			
EU711363	<i>S. vesicarium</i>	Sv173'04	Italy
EU711364	<i>S. vesicarium</i>	Sv346	Italy
EU711365	<i>S. vesicarium</i>	Sv448	Italy
EU711366	<i>S. vesicarium</i>	Sv524	Italy
EU711367	<i>S. vesicarium</i>	Sv464	Italy
EU711368	<i>S. vesicarium</i>	Sv222'0	Italy
EU711369	<i>S. vesicarium</i>	Sv479	Italy
EU711370	<i>S. vesicarium</i>	Sv439	Italy
EU711371	<i>S. vesicarium</i>	Sv563	Italy