

Table S1: **Fungal RtcB homologs**

(Dantuluri et al. RNA)

Taxon	aa	Genbank	(Trl1 homolog)
<u>Ascomycota</u>			
Aaosphaeria arxii	555	XP_033387357.1	✓
Ascochyta rabiei	558	KZM24442.1	✓
Beauveria bassiana	390	KGQ11096.1	✓
Byssothecium circinans	663	KAF1953332.1	✓
Choiromyces venosus	521	RPB03311.1	✓
Coniosporium apollinis	564	XP_007776734.1	✓
Cucurbitaria berberidis	559	KAF1840857.1	✓
Didymella exigua	532	XP_033450949.1	✓
Diplodia corticola	637	XP_020133906.1	✓
Diplodia seriata	606	KKY19043.1	✓
Epicoccum nigrum	544	OSS45654.1	✓
Glonium stellatum	521	OCL12960.1	✓
Lepidopterella palustris	567	OCK82642.1	✓
Lophiotrema nucula	546	KAF2120543.1	✓
Macrophomina phaseolina	1266	EKG19470.1	✓
Massariosphaeria phaeospora	548	KAF2866801.1	✓
Mytilinidion resinicola	564	XP_033582447.1	✓
Neofusicoccum parvum	569	XP_007588850.1	✓
Ophiobolus disseminans	551	KAF2833329.1	✓
Paraphaeosphaeria sporulosa	548	XP_018043119.1	✓
Parastagonospora nodorum	532	XP_001797231.1	✓
Plenodomus tracheiphilus	561	KAF2856316.1	✓
Pyrenochaeta sp. DS3sAY3a	556	OAL50726.1	✓
Pyrenophora teres	557	XP_003305709.1	✓
Sphaerosporella brunnea	548	KAA8904189.1	✓
Stagonospora sp. SRC1lsM3a	497	OAK98985.1	✓
Stemphylium lycopersici	541	KNG51321.1	✓
Tilletia indica	517	KAE8224769.1	✓
Tothia fuscella	551	KAF2430585.1	✓
Trematosphaeria pertusa	549	XP_033690508.1	✓
Trichophaea hybrida	583	KAF8533418.1	✓
Tuber aestivum	561	CUS09788.1	✓
Tuber melanosporum	521	XP_002841275.1	✓
<u>Microsporidia</u>			
Amphiamblys sp. WSBS2006	524	OIR57498.1	
Anncaliia algerae	453	KCZ80616.1	
Dictyocoela muelleri	462	KAG0441348.1	
Edhazardia aedis	625	EJW03655.1	
Encephalitozoon cuniculi	477	XP_965950.1	
Enterocytozoon bieneusi	455	XP_002649432.1	
Enterocytozoon hepatopenaei	463	OQS54920.1	
Enterospora canceri	441	ORD94250.1	
Hepatospora eriocheir	439	ORD99417.1	
Mitosporidium daphniae	537	XP_013239536.1	
Mycena chlorophos	796	GAT53241.1	
Nematocida displodere	482	OAG32585.1	
Nosema ceranae	464	XP_002995841.1	
Ordospora colligata	481	XP_014564493.1	
Spraguea lophii	447	EPR79187.1	
Thelohania contejeani	457	KAF7684012.1	
Trachipleistophora hominis	521	ELQ75143.1	
Vavraia culicis	514	XP_008075566.1	
Vittaforma corneae	526	XP_007603787.1	

Basidiomycota

Agrocybe aegerita	485	CAA7271636.1	✓
Auricularia subglabra	472	XP_007351377.1	✓
Botryobasidium botryosum	484	KDQ20095.1	✓
Calocera cornea	468	KZT52419.1	✓
Calocera viscosa	456	KZO93542.1	✓
Cantharellus anzutake	558	KAF8312725.1	✓
Ceratobasidium theobromae	493	KAB5593769.1	✓
Crassisporium funariophilum	489	KAF8163370.1	✓
Dacryopinax primogenitus	461	EJU02044.1	✓
Exidia glandulosa	460	KZV92464.1	✓
Fibularhizoctonia sp. CBS	482	KZP04562.1	✓
Galerina marginata	418	KDR81683.1	✓
Hypholoma sublateritium	488	KJA27100.1	✓
Hypsizygus marmoreus	482	KYQ43238.1	✓
Infundibulicybe gibba	479	KAF8892518.1	✓
Jaapia argillacea	479	KDQ60982.1	✓
Mycena chlorophos	796	GAT53241.1	✓
Pluteus cervinus	476	TFK76287.1	✓
Psilocybe cyanescens	498	PPQ93287.1	✓
Punctularia strigosozonata	502	XP_007382890.1	✓
Rhizoctonia solani	484	KDN47937.1	✓
Rickenella mellea	477	TDL21557.1	✓
Schizopora paradoxa	488	KLO10755.1	✓
Serendipita indica	501	CCA69767.1	✓
Serendipita vermifera	498	KIM25310.1	✓
Tilletia indica	517	OAJ00851.1	✓

Mucoromycota

Dissophora globulifera	535	KAG0322093.1	✓
Gamsiella multidivariata	537	KAG0370825.1	✓
Gryganskiella cystojenkinii	518	KAG0045004.1	✓
Haplosporangium gracile	530	KAF8949322.1	✓
Lobosporangium transversale	519	XP_021884070.1	✓
Modicella reniformis	708	KAF9985341.1	✓
Mortierella elongata	530	OAQ33707.1	✓
Mortierella verticillata	517	KFH66803.1	✓
Podila clonocystis	523	KAG0024904.1	✓
Rhizopus oryzae	406	KAG0960443.1	✓

Chytridiomycota

Chytrium confervae	494	TPX77552.1	✓
Spizellomyces punctatus	480	XP_016608226.1	✓
Synchytrium microbalum	467	XP_031026736.1	✓

Zoopagomycota

Basidiobolus meristosporus	404	ORX99355.1	✓
----------------------------	-----	------------	---