

Table S2. Protein sequences used in the phylogenetic analysis of FoTeRs.

Name	Organism	Genbank Accession
Bilbo	<i>Drosophila subobscura</i>	AAB92389.1
CR1	<i>Gallus gallus</i>	AAA49027.1
Doc	<i>Drosophila melanogaster</i>	CAA35587.1
F	<i>Drosophila melanogaster</i>	AAA28508.1
Jockey	<i>Drosophila funebris</i>	P21329.1
Juan	<i>Aedes aegypti</i>	AAA29354.1
Lian	<i>Aedes aegypti</i>	AAB65093.1
MGR583	<i>Magnaporthe grisea</i>	AAB71689.1
NeSL1(Cb)	<i>Caenorhabditis briggsae</i>	AAZ15238.1
NeSL1(Ce)	<i>Caenorhabditis elegans</i>	T25782
NLR1	<i>Chironomus thummi</i>	AAB26437.2
Q	<i>Anopheles gambiae</i>	AAA53489.1
R1(Bm)	<i>Bombyx mori</i>	AAC13649.1
R1(Dm)	<i>Drosophila melanogaster</i>	P16425.1
RT1	<i>Anopheles gambiae</i>	AAA29363.1
RT2	<i>Anopheles gambiae</i>	AAA29365.1
SART1	<i>Bombyx mori</i>	BAA19776.1
SR1	<i>Schistosoma mansoni</i>	AAC06263.1
Tad1	<i>Neurospora crassa</i>	AAA21792.1
TAHRE	<i>Drosophila melanogaster</i>	CAD65869.1
TERT_B1	<i>Drosophila melanogaster</i>	T13173
TRAS	<i>Bombyx mori</i>	BAA07467.1
L1(clf)	<i>Canis lupus familiaris</i>	BAA25253.1
L1(h)	<i>Homo sapiens</i>	AAC51276.1
L1(mm)	<i>Mus musculus</i>	P11369.2
R2(Bm)	<i>Bombyx mori</i>	T18197
R2(Dm)	<i>Drosophila mercatorum</i>	AAB94032.1
R4	<i>Ascaris lumbricoides</i>	S60004
Swimmer_SW1	<i>Oryzias latipes</i>	AAD02928.1
TX1	<i>Xenopus laevis</i>	P14381.1
ZEPP	<i>Chlorella vulgaris</i>	BAA25763.1
Cnl1	<i>Cryptococcus neoformans</i> var. <i>neoformans</i> JEC21	XP_567259.1
CRE2	<i>Crithidia fasciculata</i>	AAB40036.1
CRE1	<i>Crithidia fasciculata</i>	AAA75435.2
CZAR	<i>Trypanosoma cruzi</i>	B41950
Genie	<i>Giardia intestinalis</i>	AAL76330.1
GIIT	<i>Giardia intestinalis</i>	ABB04054.1
MoTER1	<i>Magnaporthe oryzae</i>	AFI41156.1
SLACS1	<i>Trypanosoma brucei</i>	XP_827644.1

Colg2	mitochondrion <i>Podospora anserine</i>	CAA38781.1
CoxI	mitochondrion <i>Marchantia polymorpha</i>	AAC09454.1
Ec107	<i>Escherichia coli</i>	CAA44468.1
ECO157	<i>Escherichia coli</i> O157:H7 str. Sakai]	NP_052642.1
Mx162	<i>Myxococcus xanthus</i>	P23072.1
Mx65	<i>Myxococcus xanthus</i>	P23071.1
Pstso	chloroplast <i>Scenedesmus obliquus</i>	P19593.1
RET(Ec)	<i>Escherichia coli</i>	CAA78293.1
RT67	<i>Escherichia coli</i>	P21325.2
RT86	<i>Escherichia coli</i>	P23070.1
1731	<i>Drosophila melanogaster</i>	S00954
Ta1_2	<i>Arabidopsis thaliana</i>	CAA37920.1
TNT1	<i>Nicotiana tabacum</i>	P10978.1
TY1	<i>Saccharomyces cerevisiae</i>	P47100.3
Ty4	<i>Saccharomyces cerevisiae</i>	P47024.3
Ty5	<i>Saccharomyces paradoxus</i>	AAC02631.1
Grasshopper_GH	<i>Magnaporthe oryzae</i>	AAA21442.1
MAGGY	<i>Magnaporthe oryzae</i>	AAA33420.1
MGLR3	<i>Magnaporthe oryzae</i>	AAK01619.1
RETRO61	<i>Magnaporthe oryzae</i>	
Skippy	<i>Fusarium oxysporum</i>	S60179
17.6	<i>Drosophila melanogaster</i>	P04323.1
297	<i>Drosophila melanogaster</i>	P20825.1
412	<i>Drosophila melanogaster</i>	P10394.1
Cinful	<i>Zea mays</i>	AAD11615.1
Gypsy	<i>Drosophila melanogaster</i>	P10401.1
RTSb	<i>Sorghum bicolor</i>	AAD27571.1
TY3	<i>Saccharomyces cerevisiae</i>	Q7LHG5.2
BSV	<i>Banana streak OL virus</i>	NP_569150.1
CSSV	<i>Cacao swollen shoot virus</i>	NP_041734.1
CsVMV	<i>Cassava vein mosaic virus</i>	NP_056848.1
FMV	<i>Figwort mosaic virus</i>	NP_619548.1
PCSV	<i>Peanut chlorotic streak virus</i>	NP_042513.1
SVBV	<i>Strawberry vein banding virus</i>	NP_043933.1
BFV	<i>Bovine foamy virus</i>	NP_044929.1
BaEV	<i>Baboon endogenous virus strain M7</i>	P10272.2
BIV	<i>Bovine immunodeficiency virus R29</i>	P19560.2
BLV	<i>Bovine leukemia virus</i>	P25059.2
CAEV	<i>Caprine arthritis encephalitis virus strain Cork</i>	P33459.1
FIV	<i>Feline immunodeficiency virus (isolate TM2)</i>	P31822.1
HIV1	<i>Human immunodeficiency virus type 1 (MAL ISOLATE)</i>	P04588.3
HTLV	<i>Human T--cell lymphotropic virus type 1 (strain ATK)</i>	P03362.3
JDV	<i>Jembrana disease virus</i>	Q82851.1
MLV	<i>AKR (endogenous) murine leukemia virus</i>	P03356.3

RSV	<i>Rous sarcoma virus -- Prague C</i>	P03354.2
SRV	<i>Simian retrovirus 1</i>	P04025.2
DHBV	<i>Duck hepatitis B virus strain China</i>	P30028.1
WHV	<i>Woodchuck hepatitis virus 59</i>	P12899.1
TERT(At)	<i>Arabidopsis thaliana</i>	AAD54276.1
TERT(GI)	<i>Giardia lamblia ATCC 50803</i>	XP_001709571.1
TERT(Hs)	<i>Homo sapiens (human)</i>	NP_937983.2
TERT(Sp)	<i>Schizosaccharomyces pombe</i>	AAC49803.1
Cercyon	<i>Schistosoma mansoni</i>	DAA00890.1
Coprina	<i>Phanerochaete chrysosporium</i>	AAX11377.1
Penelope	<i>Drosophila virilis</i>	AAA92124.2
Xena	<i>Takifugu rubripes (Fugu rubripes)</i>	AAK58879.1
