

**Table S3 Protein sequences used in the phylogenetic analysis of MoTeR1**

Name	Organism	Genbank Accession	Reference	Pubmed ref
Bilbo	<i>Drosophila subobscura</i>	AAB92389.1	(Blesa and Martinez-Sebastian 1997)	9364772
CR1	<i>Gallus gallus</i>	AAA49027.1	(Burch <i>et al.</i> 1993)	8396264
Doc	<i>Drosophila melanogaster</i>	CAA35587.1	(O'hare <i>et al.</i> 1991)	1705654
F	<i>Drosophila melanogaster</i>	AAA28508	(Di Nocera and Casari 1987)	2441397
Jockey	<i>Drosophila funebris</i>	P21329	(Mizrokhi and Mazo 1990)	1701254
Juan	<i>Aedes aegypti</i>	AAA29354.1	(Mouches <i>et al.</i> 1992)	1327974
Lian	<i>Aedes aegypti</i>	AAB65093.1	(Tu <i>et al.</i> 1998)	9656485
MGR583	<i>Magnaporthe grisea</i>	AAB71689.1	(Meyn <i>et al.</i> ) (Nishimura <i>et al.</i> 2000)	10939262
NeSL1(Cb)	<i>Caenorhabditis briggsae</i>	AAZ15238.1	(Novikova and Blinov 2005)	
NeSL1(Ce)	<i>Caenorhabditis elegans</i>	T25782	(Bradshaw 1996)	
NLR1	<i>Chironomus thummi</i>	AAB26437.2	(Blinov <i>et al.</i> 1993)	8387152
Q	<i>Anopheles gambiae</i>	AAA53489.1	(Besansky <i>et al.</i> 1994)	8069416
R1(Bm)	<i>Bombyx mori</i>	AAC13649.1	(Xiong and Eickbush 1988)	2447482
R1(Dm)	<i>Drosophila melanogaster</i>	P16425.1	(Jakubczak <i>et al.</i> 1990)	1690812
RT1	<i>Anopheles gambiae</i>	AAA29363	(Besansky <i>et al.</i> 1992)	1328871
RT2	<i>Anopheles gambiae</i>	AAA29365.1	(Besansky <i>et al.</i> 1992)	1328871
SART1	<i>Bombyx mori</i>	BAA19776.1	(Takahashi <i>et al.</i> 1997)	9092665
SR1	<i>Schistosoma mansoni</i>	AAC06263.1	(Drew and Brindley 1997)	9190061
Tad1	<i>Neurospora crassa</i>	AAA21792.1	(Cambareri <i>et al.</i> 1994)	7512193
TAHRE	<i>Drosophila melanogaster</i>	CAD65869.1	(Abad <i>et al.</i> 2004)	15175413
TART-B1	<i>Drosophila melanogaster</i>	T13173	(Sheen and Levis 1994)	7809068
TRAS	<i>Bombyx mori</i>	BAA07467.1	(Okazaki <i>et al.</i> 1995)	7623845
Dong	<i>Bombyx mori</i>	AAA92147	(Xiong and Eickbush 1993)	8385316
L1(clf)	<i>Canis lupus familiaris</i>	BAA25253.1	(Choi <i>et al.</i> 1999)	10050284

Name	Organism	Genbank Accession	Reference	Pubmed ref
L1(h)	<i>Homo sapiens</i>	AAC51276.1	(Sassaman <i>et al.</i> 1997)	9140393
L1(mm)	<i>Mus musculus</i>	P11369.2	(Loeb <i>et al.</i> 1986)	3023821
R2(Bm)	<i>Bombyx mori</i>	T18197	(Burke <i>et al.</i> 1987)	2439905
R2(Dm)	<i>Drosophila mercatorum</i>	AAB94032.1	(Malik and Eickbush 1999)	9927458
R4	<i>Ascaris lumbricoides</i>	S60004	(Burke <i>et al.</i> 1995)	8524653
Swimmer [SW1]	<i>Oryzias latipes</i>	AAD02928.1	(Duvernell and Turner 1998)	9866212
TX1	<i>Xenopus laevis</i>	P14381.1	(Garrett <i>et al.</i> 1989)	2550791
ZEPP	<i>Chlorella vulgaris</i>	BAA25763	(Higashiyama <i>et al.</i> 1997)	9218812
Zorro1	<i>Candida albicans</i> SC5314	XP_710131.1	(Jones <i>et al.</i> 2004)	15123810
Zorro3	<i>Candida albicans</i> SC5314	XP_710326.1	(Jones <i>et al.</i> 2004)	15123810
Cnl1	<i>Cryptococcus neoformans</i> var. <i>neoformans</i> JEC21	XP_567259.1	(Goodwin and Poulter 2001)	11427969
CRE1	<i>Crithidia fasciculata</i>	AAA75435.2	(Gabriel <i>et al.</i> 1990)	2153919
CZAR	<i>Trypanosoma cruzi</i>	B41950	(Villanueva <i>et al.</i> 1991)	1719380
FoNLR9	<i>Fusarium oxysporium</i>	N/A	(Novikova <i>et al.</i> 2009)	18677522
Genie	<i>Giardia intestinalis</i>	AAL76330.1	(Burke <i>et al.</i> 2002)	11961096
GIIT	<i>Giardia intestinalis</i>	ABB04054.1	(Prabhu <i>et al.</i> 2007)	17275000
MoTER1	<i>Magnaporthe oryzae</i>	N/A	Current Paper	
SLACS1	<i>Trypanosoma brucei</i>	XP_827644.1	(Berriman <i>et al.</i> 2005)	16020726
Colg2	mitochondrion <i>Podospora anserine</i>	CAA38781.1	(Cummings <i>et al.</i> 1985)	2997455
CoxI	mitochondrion <i>Marchantia polymorpha</i>	AAC09454.1	(Oda <i>et al.</i> 1992)	1731062
Ec107	<i>Escherichia coli</i>	CAA44468.1	(Herzer <i>et al.</i> 1992)	1372675
ECO157	<i>Escherichia coli</i> O157:H7 str. Sakai]	NP_052642.1	(Makino <i>et al.</i> 1998)	9628576
Mx162	<i>Myxococcus xanthus</i>	P23072.1	(Inouye <i>et al.</i> 1989)	2465092
Mx65	<i>Myxococcus xanthus</i>	P23071.1	(Inouye <i>et al.</i> 1990)	1689062
Pstso	chloroplast <i>Scenedesmus obliquus</i>	P19593.1	(Kuck 1989)	2476655

Name	Organism	Genbank Accession	Reference	Pubmed ref
RET(Ec)	<i>Escherichia coli</i>	CAA78293.1	(Lim 1992)	1282191
RT67	<i>Escherichia coli</i>	P21325.1	(Lampson <i>et al.</i> 1989)	2466332
RT86	<i>Escherichia coli</i>	P23070.1	(Lim and Maas 1989)	2466573
1731	<i>Drosophila melanogaster</i>	S00954	(Fourcade-Peronnet <i>et al.</i> 1988)	2456522
RETRO5	<i>Magnaporthe oryzae</i>	N\A	(Dean <i>et al.</i> 2005)	15846337
Ta1-2	<i>Arabidopsis thaliana</i>	CAA37920.1	(Konieczny <i>et al.</i> 1991)	1709409
TNT1	<i>Nicotiana tabacum</i>	P10978.1	(Grandbastien <i>et al.</i> 1989)	2536143
TY1	<i>Saccharomyces cerevisiae</i>	P47100.3	(Zagulski <i>et al.</i> 1995)	8619316
Ty4	<i>Saccharomyces cerevisiae</i>	P47024.2	(Janetzky and Lehle 1992)	1328182
Ty5	<i>Saccharomyces paradoxus</i>	AAC02631.1	(Zou <i>et al.</i> 1995)	7846079
Grasshopper [GH]	<i>Magnaporthe oryzae</i>	AAA21442.1	(Dobinson <i>et al.</i> 1993)	7679935
MAGGY	<i>Magnaporthe oryzae</i>	AAA33420.1	(Farman <i>et al.</i> 1996)	8757397
MGLR3	<i>Magnaporthe oryzae</i>	AAK01619.1	(Kang 2001)	11277622
Pyret2	<i>Magnaporthe oryzae</i>	XP_360100.2	(Dean <i>et al.</i> 2005)	15846337
RETRO61	<i>Magnaporthe oryzae</i>		(Dean <i>et al.</i> 2005)	15846337
RETRO71	<i>Magnaporthe oryzae</i>	N\A	(Dean <i>et al.</i> 2005)	15846337
Skippy	<i>Fusarium oxysporum</i>	S60179	(Anaya and Roncero 1995)	8544829
17.6	<i>Drosophila melanogaster</i>	P04323.1	(Saigo <i>et al.</i> 1984)	6209583
297	<i>Drosophila melanogaster</i>	P20825.1	(Inouye <i>et al.</i> 1986)	2417839
412	<i>Drosophila melanogaster</i>	P10394.1	(Yuki <i>et al.</i> 1986)	2426108
Cinful	<i>Zea mays</i>	AAD11615.1	(Sanz-Alferez <i>et al.</i> 2003)	14608391
Gypsy	<i>Drosophila melanogaster</i>	P10401.1	(Marlor <i>et al.</i> 1986)	3023871
RTSb	<i>Sorghum bicolor</i>	AAD27571.1	(Llaca <i>et al.</i> 1998)	
TY3	<i>Saccharomyces cerevisiae</i>	Q7LHG5.2	(Hansen <i>et al.</i> 1988)	2854194
BSV	<i>Banana streak OL virus</i>	NP_569150.1	(Harper and Hull 1998)	9926402

Name	Organism	Genbank Accession	Reference	Pubmed ref
CSSV	<i>Cacao swollen shoot virus</i>	NP_041734.1	(Hagen <i>et al.</i> 1993)	7690503
CsVMV	<i>Cassava vein mosaic virus</i>	NP_056848.1	(De Kochko <i>et al.</i> 1998)	9645200
FMV	<i>Figwort mosaic virus</i>	NP_619548.1	(Richins <i>et al.</i> 1987)	3671088
PCSV	<i>Peanut chlorotic streak virus</i>	NP_042513.1	(Richins 1993)	
SVBV	<i>Strawberry vein banding virus</i>	NP_043933.1	(Petrzik <i>et al.</i> 1998)	9654684
BFV	<i>Bovine foamy virus</i>	NP_044929.1	(Renshaw and Casey 1994)	8289332
FFV	<i>Feline foamy virus</i>	NP_056914.1	(Bodem <i>et al.</i> 1998)	9601510
SFV	<i>Macaque simian foamy virus (SFVmac)</i>	YP_001961122.1	(Kupiec <i>et al.</i> 1991)	1647358
BaEV	<i>Baboon endogenous virus strain M7</i>	P10272.1	(Kato <i>et al.</i> 1987)	
BIV	<i>Bovine immunodeficiency virus R29</i>	P19560.2	(Garvey <i>et al.</i> 1990)	2183467
BLV	<i>Bovine leukemia virus</i>	P25059.1	(Coulston <i>et al.</i> 1990)	2167927
CAEV	<i>Caprine arthritis encephalitis virus strain Cork</i>	P33459.1	(Saltarelli <i>et al.</i> 1990)	2171210
FIV	<i>Feline immunodeficiency virus (isolate TM2)</i>	P31822.1	(Kiyomasu <i>et al.</i> 1991)	1649349
HIV1	<i>Human immunodeficiency virus type 1 (MAL ISOLATE)</i>	P04588.3	(Alizon <i>et al.</i> 1986)	2424612
HTLV	<i>Human T-cell lymphotropic virus type 1 (strain ATK)</i>	P03362.3	(Seiki <i>et al.</i> 1983)	3021121
JDV	<i>Jembrana disease virus</i>	Q82851.1	(Chadwick <i>et al.</i> 1995)	9049370
MLV	<i>AKR (endogenous) murine leukemia virus</i>	P03356.2	(Herr 1984)	6319746
RSV	<i>Rous sarcoma virus - Prague C</i>	P03354.1	(Schwartz <i>et al.</i> 1983)	6299578
SRV	<i>Simian retrovirus 1</i>	P04025.1	(Power <i>et al.</i> 1986)	3006247
DHBV	<i>Duck hepatitis B virus strain China</i>	P30028.1	(Tong <i>et al.</i> 1990)	2235506
HBV	<i>Hepatitis B virus</i>	NP_647604.2	(Okamoto <i>et al.</i> 1986)	3783127
WHV	<i>Woodchuck hepatitis virus 59</i>	P12899.1	(Cohen <i>et al.</i> 1988)	3336938
TERT(At)	<i>Arabidopsis thaliana</i>	AAD54276.1	(Fitzgerald <i>et al.</i> 1999)	10611295

Name	Organism	Genbank Accession	Reference	Pubmed ref
TERT(GI)	<i>Giardia lamblia</i> ATCC 50803	XP_001709571.1	(Morrison <i>et al.</i> 2007)	17901334
TERT(Hs)	<i>Homo sapiens</i> (human)	NP_937983.2	(Lingner <i>et al.</i> 1997)	9110970
TERT(Mg)	<i>Magnaporthe oryzae</i>	XP_363691.1	(Dean <i>et al.</i> 2005)	15846337
TERT(Sp)	<i>Schizosaccharomyces pombe</i>	AAC49803.1	(Nakamura <i>et al.</i> 1997)	9252327
Athena(AvO)	<i>Adineta vaga</i>	N/A	(Gladyshev and Arkhipova 2007)	17483479
Athena(PrB)	<i>Philodina roseola</i>	N/A	(Gladyshev and Arkhipova 2007)	17483479
Cercyon	<i>Schistosoma mansoni</i>	DAA00890.1	(Arkhipova <i>et al.</i> 2003)	12524543
Coprina	<i>Phanerochaete chrysosporium</i>	AAX11377.1	(Goodwin and Poulter)	
Neptune(Dr1)	<i>Danio rerio</i>	N/A	(Gladyshev and Arkhipova 2007)	17483479
Neptune(Dr2)	<i>Danio rerio</i>	N/A	(Gladyshev and Arkhipova 2007)	17483479
Penelope	<i>Drosophila virilis</i>	AAA92124.2	(Evgenev <i>et al.</i> 1997)	8990185
Xena	<i>Takifugu rubripes</i> ( <i>Fugu rubripes</i> )	AAK58879.1	(Nogare <i>et al.</i> 2002)	11861884

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