

Table S3. TBP sequences used for phylogeny analysis.

Tata Binding Proteins			
	Description	Accession	Organism
pB263R Isolate			
pB263R Ba71v	Uncharacterized protein B263R-Ba71v isolate	Q65175	<i>African swine fever virus</i>
NCDLVs			
Apm TBP	TATA-box-binding protein-like	NC_014649.1	<i>Acanthamoeba polyphaga mimivirus</i>
Hav Putative TBP	Putative TATA-box-binding protein	KX008963.1	<i>Heterosigma akashiwo virus</i>
Mv TBP	TATA-box-binding protein-like protein	AEX61565	<i>Megavirus courdo7</i>
Ylpv A Putative TBP	putative TATA box binding protein	YP_009174782	<i>Yellowstone lake phycodnavirus 1</i>
Ylpv B Putative TBP	putative TATA box binding protein	NC_028108.1	<i>Yellowstone lake phycodnavirus 3</i>
Pbcv TFIID/TBP1	transcription factor TFIID (or TATA-binding protein TBP)	AGE48549	<i>Paramecium bursaria Chlorella virus AN69C</i>
Pbcv TFIID/TBP2	transcription factor TFIID (or TATA-binding protein TBP)	AGE48777	<i>Paramecium bursaria Chlorella virus AP110A</i>
Atcv TFIID/TBP	Transcription factor TFIID (Or TATA-binding protein TBP)	AGE56691	<i>Acanthocystis turfacea Chlorella virus</i>
Archaea, Eukaryotes TBP			
Sc 1ytb_A TBP	TATA-binding protein	AEP68421	<i>Saccharomyces cerevisiae</i>
Sc 4b0a_A TIF TFIID1	Yeast TATA-binding protein-yeast TAF1	4B0A_A	<i>Saccharomyces cerevisiae</i>
Sc 1rm1_A TFIIA TBP	TATA-binding protein	NP_011075.1	<i>Saccharomyces cerevisiae</i>
Sc TBP	TATA-binding protein	NP_011075.0	<i>Saccharomyces cerevisiae S288c</i>
At TBP2	TATA binding protein 2	NP_175948	<i>Arabidopsis thaliana</i>
me cd04516 TBP	TATA binding protein	OAQ30812	<i>Mortierella elongata AG-77</i>
At TBP1	TATA binding protein 1	NP_187953	<i>Arabidopsis thaliana</i>
At TBP CTD	Chain E, Co-Crystal Structure Of Tbp Recognizing The Minor Groove Of A Tata Element.	1VTL_E	<i>Arabidopsis thaliana</i>
At TBP1	TATA binding protein 1	NP_187953	<i>Arabidopsis thaliana</i>
Ec TBP	Chain C, Crystal Structure Of The Mot1 N-Terminal Domain In Complex With Tbp	3OC3_C	<i>Encephalitozoon cuniculi</i>

In TLF-Iso X1	TATA-box-binding protein-like isoform X1	XP_019186975	<i>Ipomoea nil</i>
Ce TBP-1	TATA-box-binding protein	NP_498635	<i>Caenorhabditis elegans</i>
Mmus TRF3	TATA box-binding protein-like protein 2 isoform 1	NP_951014 XP_140875	<i>Mus musculus</i>
Dm TBP	TATA binding protein	NP_523805	<i>Drosophila melanogaster</i>
Dm TRF	TBP-related factor	NP_476939	<i>Drosophila melanogaster</i>
Hs TBP2	TATA box-binding protein	2119243A	<i>Homo sapiens</i>
Hs TL	TATA box-binding protein-like protein 1	NP_004856	<i>Homo sapiens</i>
Hs 5iyb P TBP	TATA-box-binding protein isoform 2	NP_001165556	<i>Homo sapiens</i>
Hs TBP	TATA-box-binding protein isoform 1	NP_003185	<i>Homo sapiens</i>
mv Cd00652 TBP TLF	TATA-box-binding protein	KFH70047	<i>Mortierella verticillata</i> NRRL 6337
Ce TLF-1	TBP-Like Factor	NP_492356	<i>Caenorhabditis elegans</i>
agl Cd04517 TLF TBPL	PREDICTED: TATA box-binding protein-like protein 1	XP_018577452	<i>Anoplophora glabripennis</i>
Hs TLP2	TATA box-binding protein-like protein 2	NP_950248	<i>Homo sapiens</i>
Dm TRF-IsoJ	TATA box binding protein-related factor 2, isoform J	NP_511084	<i>Drosophila melanogaster</i>
Dm TRF-IsoH	TATA box binding protein-related factor 2, isoform H	NP_996377	<i>Drosophila melanogaster</i>
Sa 1mp9A TBP TF	TATA sequence-binding protein	Q9UWN7	<i>Sulfolobus acidocaldarius</i>
Sa TBP CTD	TATA-box-binding protein	WP_011278173	<i>Sulfolobus acidocaldarius</i>
SsP2 TFIID	TATA box binding protein, hypothetical (tfIID)	AAK41225	<i>Sulfolobus solfataricus</i> P2
mk TF	transcription factor	WP_011019207	<i>Methanopyrus kandleri</i> AV19
sp TBP	TATA-binding protein (TBP)	NP_594566	<i>Schizosaccharomyces pombe</i>
Ap TFIID TBP	transcription factor IID TBP	NP_148219	<i>Aeropyrum pernix</i> K1
Tp TBP	TATA box-binding protein	WP_011751968	<i>Thermofilum pendens</i>
Ckc TFP	Archaeal TATA-box-binding family protein	WP_012310109	<i>Candidatus Korarchaeum cryptofilum</i>
Nm TFP	TATA-box binding family protein	ABX13415	<i>Nitrosopumilus maritimus</i> SCM1
Pa TF	transcription factor TATA-box-binding protein	WP_011008464	<i>Pyrobaculum aerophilum</i>
pw 1ais A TBP	Chain A, Tata-Binding Protein TRANSCRIPTION FACTOR	1AIS_A	<i>Pyrococcus woesei</i>
pw d1aisa2 TBP CTD	TATA-box-binding protein	WP_014734019	<i>Pyrococcus woesei</i>
ph TFP	TATA box binding protein (TBP) Transcription Factor	WP_010885095	<i>Pyrococcus horikoshii</i>
pw d1aisa1 TBP	Chain A, Tata-Binding Protein	1D3U_A	<i>Pyrococcus woesei</i>

CTD	TRANSCRIPTION FACTOR		
sa 1mp9_A TBP TF	Chain A, Tbp From A Mesothermophilic Archaeon,	1MP9_A	<i>Sulfolobus acidocaldarius</i>
mj TBP	TATA-box-binding protein	WP_048202361	<i>Methanocaldococcus jannaschii</i>
mk TF	TATA-box-binding protein-TF	Q8TX38	<i>methanopyrus kandleri</i>
ta TFIID	transcription factor TFIID TBP	WP_010900626	<i>Thermoplasma acidophilum DSM 1728</i>
mj 2z8u A TBP	Chain A TBP	2Z8U_A	<i>Methanocaldococcus jannaschii</i>
mj TFIID	TATA-box-binding protein	Q57930	<i>Methanocaldococcus jannaschii</i>
archeal TBP	TATA-box-binding protein	WP_070364144	<i>Multispecies unclassified Halobacteria</i>
af TF	transcription factor	WP_010877880	<i>Archaeoglobus fulgidus</i>
hv TB TIF	TATA-binding transcription initiation factor	WP_004045271	<i>Haloferax volcanii</i>
mmaz TF	Archaeal TATA box binding protein (TBP)	WP_011032977	<i>Methanosarcina mazei Go1</i>
mmaz TF B	Transcription factor TF TBP	WP_011034115	<i>Methanosarcina mazei Go1</i>
