

**Table S1 Amino Acid Sequences Used for Alignments and Tree Generation**

<b>Organism, Protein Name</b>	<b>UniProtID</b>	<b>EuPathDB ID</b>
<i>Toxoplasma gondii</i> GT1, TgZnT	S7V0D3	TGGT1_251630
<i>Neospora caninum</i> , NcZnT	F0VR98	NCLIV_066710
<i>Eimeria tenella</i> , EtZnT	U6L3J7	ETH_00033120
<i>Plasmodium falciparum</i> , PfZnT	Q8IBU1	PF3D7_0715900
<i>Cryptosporidium parvum</i> , CpZnT	Q5CSE6	cgd1_3050
<i>Arabidopsis thaliana</i> , AtMTP1	Q9ZT63	
<i>Arabidopsis thaliana</i> , AtMTP3	Q9LXS1	
<i>Oryza sativa</i> , OsMTP1	Q688R1	
<i>Mus musculus</i> , MmZnT1	Q60738	
<i>Mus musculus</i> , MmZnT2	Q2HJ10	
<i>Mus musculus</i> , MmZnT5	Q8R4H9	
<i>Mus musculus</i> , MmZnT9	Q5IRJ6	
<i>Homo sapiens</i> , HsZnT6	Q6NXT4	
<i>Bacillus subtilis</i> , BsCzC	O07084	
<i>Saccharomyces cerevisiae</i> , ScZRC1	P20107	
<i>Saccharomyces cerevisiae</i> , ScCOT1	P32798	
<i>Saccharomyces cerevisiae</i> , ScMMT1	Q03218	
<i>Saccharomyces cerevisiae</i> , ScMMT2	Q08970	
<i>Saccharomyces cerevisiae</i> , ScMsc2	Q03455	
<i>Saccharomyces cerevisiae</i> , ScZrg17	P53735	
<i>Stylosanthes hamata</i> , ScMTP1	Q84ND6	
<i>Escherichia coli</i> , EcZitB	P75757	
<i>Escherichia coli</i> , EcYiiP	P69380	
<i>Wautersia metallidurans</i> , WmFieF	Q1LHU8	