

**Supplemental Table S1.** Summary of BLAST searches to identify mitochondrial import proteins in *T. gondii*.

<i>S. cerevisiae</i>	<i>A. thaliana</i>	<i>T. brucei</i>	<i>T. gondii</i>	E- value
<b>TOM COMPLEX</b>				
Tom40	<i>AtTom40</i>	None	TGME49_218280	3.0 x e <sup>-5</sup>
Tom70	None	None	None <sup>1</sup>	N/A
Tom20	None	None	None	N/A
Tom22	<i>AtTom22'</i> (Tom9)	None	TGME49_255245	6.3 x e <sup>-4</sup>
Tom5	None	None	None	N/A
Tom6	None	None	None	N/A
Tom7	<i>AtTom7</i>	None	None	N/A
None	<i>AtTom6.0</i>	None	None	N/A
None	<i>AtTom6.3</i>	None	None	N/A
None	<i>AtTom20</i>	None	None	N/A
None	None	Atom40	None	N/A
None	None	Atom69	None	N/A
None	None	Atom46	None	N/A
None	None	Atom36	None	N/A
None	None	Atom14	None	N/A
None	None	Atom12	None	N/A
None	None	Atom11	None	N/A
<b>OUTER MEMBRANE INSERTASE</b>				
Sam50	<i>AtOmp85</i>	<i>TbSam50</i>	TGME49_205570 <sup>2</sup>	5.0 x e <sup>-6</sup>
Sam35	None	<i>TbSam35?</i>	None	N/A
Sam37	None	None	None	N/A
Mdm10	None	None	None	N/A

<b>PRESEQUENCE TRANSLOCASE</b>				
Tim23	<i>AtTim23</i>	None	TGME49_214150	$2.4 \times e^{-11}$
Tim17	<i>AtTim17</i>	<i>TbTim17</i>	TGME49_312220	$1.7 \times e^{-33}$
Tim50	<i>AtTim50</i>	None	TGME49_283590 <sup>3</sup>	$3.2 \times e^{-11}$
Tim21	None	None	None	N/A
Mgr2	None	None	TGME49_316140	$1.2 \times e^{-6}$
<b>PRESEQUENCE MOTOR</b>				
mtHsp70	<i>AtmtHsp70</i>	<i>TgmtHsp70</i>	TGME49_251780	$3.5 \times e^{-209}$
Mge1	<i>AtGrpE</i>	<i>TbGrpE</i>	TGME49_265220	$4.5 \times e^{-26}$
Tim44	<i>AtTim44</i>	None	TGME49_227830	$3.4 \times e^{-9}$
Pam18	<i>AtPam18</i>	<i>TbPam18</i>	TGME49_202810	$9.9 \times e^{-15}$
Pam16	<i>AtPam16</i>	<i>TbPam16</i>	TGME49_249910	$6.0 \times e^{-6}$
<b>MIA COMPLEX</b>				
Mia40	<i>AtMia40</i>	None	None	N/A
Erv1	<i>AtErv1</i>	<i>TbErv1</i>	TGME49_210787 TGME49_288620 TGME49_232815	$5.0 \times e^{-20}$ $2.5 \times e^{-18}$ $1.1 \times e^{-6}$
<b>TIM22 complex</b>				
Tim22	<i>AtTim22</i>	None	TGME49_225710	$7.3 \times e^{-18}$
Tim54	None	None	None	N/A
Tim18	None	None	None	N/A
Sdh3	<i>AtSdh3</i>	None	None	N/A
<b>SMALL TIMS</b>				
Tim8, Tim9, Tim10, Tim12, Tim13	<i>AtTim8, AtTim9,</i> <i>AtTim10, AtTim13</i>	<i>TbTim9, TbTim10,</i> <i>TbTim8-like</i>	TGME49_260850 <sup>4</sup> TGME49_215390	$1.7 \times e^{-10}$ $2.8 \times e^{-10}$

			TGME49_227870	3.3 x e <sup>-7</sup>
			TGME49_254610	8.1 x e <sup>-4</sup>
			TGME49_274090	2.2 x e <sup>-2</sup>
<b>PRESEQUENCE PEPTIDASE and other peptidases</b>				
Mpp- $\alpha$	<i>AtMpp-<math>\alpha</math></i>	<i>TbMpp-<math>\alpha</math></i>	TGME49_202680	4.8 x e <sup>-54</sup>
Mpp- $\beta$	<i>AtMpp-<math>\beta</math></i>	<i>TbMpp-<math>\beta</math></i>	TGME49_236210	2.1 x e <sup>-85</sup>
Imp1	<i>AtImp</i>	<i>TbImp</i>	TGME49_268910	6.1 x e <sup>-15</sup>
Oct1	<i>AtOct1</i>	<i>TbOct1</i>	TGME49_272670	2.2 x e <sup>-24</sup>
Icp55	<i>AtIcp55</i>	None	None	N/A
<b>OXA1 insertase</b>				
Oxa1	<i>AtOxa1</i>	<i>TbOxa1</i>	TGME49_312430 <sup>5</sup>	4.3 x 10 <sup>-4</sup>

<sup>1</sup>Top hits are to Sti1-like proteins that contain tetratricopeptide repeat domains.

<sup>2</sup>Identified in BLAST searches using *AtOmp85* as a query.

<sup>3</sup>Note that this is not the top hit in the *T. gondii* genome against *ScTim50*, but is the only protein identified in reciprocal BLAST searches (i.e. whose top hit is to *ScTim50* when querying the *S. cerevisiae* genome).

<sup>4</sup>BLAST scores based on searches using *ScTim10* as a query.

<sup>5</sup>Identified in BLAST searches using *AtOxa1* as a query.