

NameAlternative names		OPISTHOKONTS		PLANTAE			STRAMENOPILES							ECTOCARPUS DATA		
		Fungi <i>S. cerevisiae</i>	Animals <i>H. sapiens</i>	Land plants <i>A. thaliana</i>	Green algae <i>O. lucimarinus</i>	Red algae <i>C. merolae</i>	Oomycetes		Pelagophytes <i>A. anophagefferens</i>	Blastocystis <i>B. hominis</i>	Diatoms		Brown algae <i>E. siliculosus</i>	Locus ID (protein size)	PREDICTIONS	
							<i>P. infestans</i>	<i>A. taibachii</i>			<i>P. tricornutum</i>	<i>T. pseudonana</i>			HECTAR	ALL
OUTER MEMBRANE																
mtOM64		0	0	1	1	0	0	0	0	0	0	0	0	NI		
TOM complex																
Tom70	Mas70, Mom72, Omp1	1	1	0	0	0	2	2	0	1	1	1	2	Esi0007_0019 (952)	NO	0/9
Tom40	Isp42, Mom38	1	1	2	1	1	1	1	1	NI	1	1	1	Esi0232_0002 (739)	NO	6/9
Tom22	Mas17, Mas22, Mom22	1	1	2	1	1	1	1	0	0	1	1	1	Esi0055_0058 (442)	YES	7/9
Tom20	Mas20, Mom19	1	1	4	1	0	0	0	0	0	0	0	0	Esi0246_0018 (112)	NO	2/9
Tom7	Mom7, Yok22	1	1	2	1	NI	NI	1	NI	NI	1	1	1	Esi0179_0016 (57)	NO	6/9
Tom6	Isp6, Mom8B, OM10	1	1	1	NI	NI	NI	NI	NI	NI	NI	NI	0	NI		
Tom5	Mom8A, OM7.5, OM5	1	1	1	NI	NI	NI	NI	NI	NI	NI	NI	0	NI		
SAM/TOB complex																
Mim1	Tom13	1	0	0	0	0	0	0	0	0	0	0	0	NI		
Sam50	Omp85, Tob55, Tom50	1	1	1	1	1	1	1	1	1	1	1	1	Esi0503_0006 (451)	NO	1/9
Sam35	Fmp20, Tob38, Tom38	1	0	1	1	0	0	0	0	0	0	0	0	NI		
Sam37	Mas37, Pet3027, Tom37	1	0	0	0	0	1	0	0	0	0	0	0	NI	NO	2/9
Metaxin		0	2	1	1	0	1	1	0	0	0	0	1	Esi0338_0018 (407)		
INTERMEMBRANE SPACE																
MIA/ERV complex																
Mia40	Fmp15, Tim40	1	1	1	1	1	1	1	0	1	1	1	0	NI		
Erv1		1	1	1	1	1	1	1	1	1	1	1	1	Esi0202_0015 (194)	NO	1/9
Hot13		1	1	1	NI	1	1	1	0	0	1	1	1	Esi0046_0129 (101)	NO	0/9
TIM8/13 Complex																
Tim8		1	2	1	1	1	2	1	NI	1	1	1	1	Esi0109_0044 (125)	NO	0/9
Tim13		1	1	1	1	1	1	1	NI	1	1	1	1	Esi0243_0012 (82)	NO	0/9
TIM9/10 Complex																
Tim10	Mrs11	1	2	1	1	1	1	1	NI	1	1	1	1	Esi0041_0146 (107)	NO	0/9
Tim9		1	1	1	1	1	1	1	1	NI	1	1	1	Esi0075_0052 (88)	NO	0/9
INNER MEMBRANE																
TIM23 complex																
Tim50		1	1	1	1	1	1	1	1	0	1	1	1	Esi0000_0471 (547)	YES	8/9
Tim44	Isp45, Mim44, Mpi1	1	1	2	1	1	1	1	1	0	1	1	1	Esi0086_0051 (602)	YES	8/9
Tim23	Mim23, Mpi3, Mas6	1	1	3	1	1	1	1	NI	1	1	1	1	Esi0047_0026 (206)	NO	1/9
Tim21		1	1	1	1	0	1	1	0	0	1	1	1	Esi0103_0070 (205)	NO	0/9
Tim17	Mim17, Mpi2, Sms1	1	2	3	1	1	1	1	1	1	1	1	1	Esi0117_0080 (264)	NO	0/9
Pam17	Fmp18	1	0	0	0	0	0	0	0	0	0	0	0	NI		
Tim16	Pam16, Mia1	1	1	1	1	1	1	1	0	1	1	1	1	Esi0237_0006 (155)	NO	6/9
Tim14	Pam18	1	1	2	1	1	1	1	1	1	1	1	1	Esi0159_0032 (209)	YES	8/9
mtHsp70	Ssc1, Ens1	1	1	2	1	1	1	1	1	1	1	1	1	Esi0010_0066 (688)	NO	1/9
Mge1	Yge1, hTid	1	1	2	1	1	1	1	1	1	1	1	1	Esi0000_0394 (281)	NO	2/9
TIM22 complex																
Tim54		1	0	0	0	0	0	0	0	0	0	0	0	NI		
Tim22		1	1	3	1	1	1	1	1	1	1	1	1	Esi0063_0018 (192)	NO	2/9
Tim18		1	0	0	0	0	0	0	0	0	0	0	0	NI		
Tim12	Mrs5	1	0	0	0	0	0	0	0	0	0	0	0	NI		
OXA1, polytopic membrane protein insertion and folding																
Oxa1		1	1	1	1	1	1	1	NI	1	1	1	1	Esi0028_0040 (411)	NO	1/9
														Esi0025_0161 (552)	YES	8/9
TAT system																
TatA/B		0	0	1	1	NI	NI	NI	NI	NI	1	1	1	Esi0067_0034 (170)	NO	2/9
TatC	Orfx, MttB	0	0	1	0/1	1	1	NI	NI	NI	1	1	1	mt genome (254)		