

**S2 Table: Top 100 genes displaying elevated expression, macroschizont (Day 0) to merozoite stage (Day 9)**

Gene ID	Annotation	FC	RP score	EE	FDR
TA05870	roptry-associated protein, putative	5.12	$3.13 \times 10^{-31}$	0.00	0.0000
TA14665	hypothetical protein	5.13	$1.41 \times 10^{-30}$	0.00	0.0000
TA08360	hypothetical protein, conserved	4.64	$1.69 \times 10^{-28}$	0.00	0.0000
TA21080	Map2 kinase, putative	4.16	$2.40 \times 10^{-26}$	0.00	0.0000
TA05340	hypothetical protein, conserved	4.03	$1.21 \times 10^{-25}$	0.00	0.0000
TA16660	hypothetical protein, conserved	3.96	$2.36 \times 10^{-25}$	0.00	0.0000
TA05495	hypothetical protein	3.89	$2.65 \times 10^{-25}$	0.00	0.0000
TA13045	hypothetical protein, conserved	3.67	$5.49 \times 10^{-24}$	0.00	0.0000
TA13825	hypothetical protein	3.63	$1.28 \times 10^{-23}$	0.00	0.0000
TA07585	hypothetical protein	3.51	$2.58 \times 10^{-23}$	0.00	0.0000
TA19390	hypothetical protein, conserved	3.40	$1.11 \times 10^{-22}$	0.00	0.0000
TA18005	hypothetical protein	3.38	$2.06 \times 10^{-22}$	0.00	0.0000
TA19040	hypothetical protein, conserved	3.35	$2.30 \times 10^{-22}$	0.00	0.0000
TA19445	hypothetical protein, conserved	3.24	$8.27 \times 10^{-22}$	0.00	0.0000
TA11905	hypothetical protein	3.43	$9.64 \times 10^{-22}$	0.00	0.0000
TA20020	hypothetical protein, conserved	3.08	$4.25 \times 10^{-21}$	0.02	0.0013
TA14680	hypothetical protein	3.02	$9.70 \times 10^{-21}$	0.03	0.0018
TA21400	hypothetical protein	2.93	$2.34 \times 10^{-20}$	0.04	0.0022
TA17325	integral membrane protein, putative	2.95	$2.41 \times 10^{-20}$	0.04	0.0021
TA16375	hypothetical protein, conserved	2.94	$3.47 \times 10^{-20}$	0.04	0.0020
TA05760	roptry-associated protein, putative	2.91	$3.70 \times 10^{-20}$	0.05	0.0024
TA21395	hypothetical protein	2.95	$4.08 \times 10^{-20}$	0.05	0.0023
TA04105	cysteine proteinase, putative	2.90	$5.75 \times 10^{-20}$	0.07	0.0030
TA13515	hypothetical protein, conserved	2.88	$8.26 \times 10^{-20}$	0.07	0.0029
TA14955	hypothetical protein	2.85	$1.43 \times 10^{-19}$	0.08	0.0032
TA13215	hypothetical protein, conserved	2.79	$1.43 \times 10^{-19}$	0.08	0.0031

<b>TA16485</b>	hypothetical protein, conserved	2.78	$2.13 \times 10^{-19}$	0.09	0.0033
<b>TA11455</b>	hypothetical protein, conserved	2.76	$2.77 \times 10^{-19}$	0.09	0.0032
<b>TA18855</b>	Sfil-subtelomeric fragment related protein family member, putative	2.79	$3.15 \times 10^{-19}$	0.10	0.0035
<b>TA16420</b>	hypothetical protein	2.83	$3.28 \times 10^{-19}$	0.10	0.0033
<b>TA18195</b>	hypothetical protein	2.75	$4.13 \times 10^{-19}$	0.12	0.0039
<b>TA15485</b>	hypothetical protein, conserved	2.74	$4.60 \times 10^{-19}$	0.13	0.0041
<b>TA14205</b>	hypothetical protein	2.67	$9.74 \times 10^{-19}$	0.16	0.0049
<b>TA16155</b>	hypothetical protein	2.66	$1.04 \times 10^{-18}$	0.16	0.0047
<b>TA17100</b>	hypothetical protein	2.67	$1.20 \times 10^{-18}$	0.17	0.0049
<b>TA04660</b>	hypothetical protein, conserved	2.64	$1.28 \times 10^{-18}$	0.17	0.0047
<b>TA21390</b>	Theileria parva Tpr-related protein, putative	2.65	$1.29 \times 10^{-18}$	0.17	0.0046
<b>TA11285</b>	hypothetical protein	2.70	$1.62 \times 10^{-18}$	0.19	0.0050
<b>TA17490</b>		2.65	$2.07 \times 10^{-18}$	0.19	0.0049
<b>TA08480</b>	hypothetical protein, conserved	2.61	$2.91 \times 10^{-18}$	0.21	0.0053
<b>TA07985</b>	hypothetical protein	2.61	$4.77 \times 10^{-18}$	0.22	0.0054
<b>TA07025</b>	Tpr-related protein family member, putative	2.56	$5.58 \times 10^{-18}$	0.23	0.0055
<b>TA21385</b>	hypothetical protein	2.54	$5.62 \times 10^{-18}$	0.23	0.0054
<b>TA03260</b>	hypothetical protein	2.53	$6.10 \times 10^{-18}$	0.23	0.0052
<b>TA20555</b>	myosin a, putative	2.49	$1.09 \times 10^{-17}$	0.30	0.0067
<b>TA19610</b>	hypothetical protein, conserved	2.49	$1.91 \times 10^{-17}$	0.34	0.0074
<b>TA14210</b>	hypothetical protein	2.44	$1.92 \times 10^{-17}$	0.34	0.0072
<b>TA07920</b>	hypothetical protein	2.46	$2.96 \times 10^{-17}$	0.43	0.0090
<b>TA15445</b>	Tpr-related protein family member, putative	2.40	$3.39 \times 10^{-17}$	0.48	0.0098
<b>TA15620</b>	hypothetical protein	2.40	$4.06 \times 10^{-17}$	0.52	0.0104
<b>TA15625</b>	hypothetical protein	2.41	$4.21 \times 10^{-17}$	0.52	0.0102
<b>TA19275</b>	hypothetical protein	2.42	$4.43 \times 10^{-17}$	0.53	0.0102
<b>TA14285</b>	Sfil-subtelomeric fragment related protein family member, putative	2.41	$4.53 \times 10^{-17}$	0.53	0.0100

<b>TA07630</b>	hypothetical protein, conserved	2.39	$5.90 \times 10^{-17}$	0.56	0.0104
<b>TA16685</b>	polymorphic antigen precursor-like protein, putative	2.39	$6.37 \times 10^{-17}$	0.56	0.0102
<b>TA13890</b>	hypothetical protein	2.32	$2.07 \times 10^{-16}$	0.83	0.0148
<b>TA04565</b>	hypothetical protein	2.30	$2.20 \times 10^{-16}$	0.84	0.0147
<b>TA19505</b>	hypothetical protein, conserved	2.30	$2.37 \times 10^{-16}$	0.84	0.0145
<b>TA17055</b>	hypothetical protein	2.29	$2.42 \times 10^{-16}$	0.84	0.0142
<b>TA08235</b>	hypothetical protein	2.30	$2.42 \times 10^{-16}$	0.84	0.0140
<b>TA14310</b>	hypothetical protein	2.28	$3.29 \times 10^{-16}$	1.00	0.0164
<b>TA13540</b>	hypothetical protein	2.27	$3.34 \times 10^{-16}$	1.00	0.0161
<b>TA17358</b>		2.25	$3.82 \times 10^{-16}$	1.01	0.0160
<b>TA13530</b>	phosphate transporter, putative	2.25	$3.97 \times 10^{-16}$	1.01	0.0158
<b>TA15490</b>	hypothetical protein	2.25	$4.84 \times 10^{-16}$	1.04	0.0160
<b>TA17115</b>	Sfil-subtelomeric fragment related protein family member, putative	2.25	$5.20 \times 10^{-16}$	1.07	0.0162
<b>TA20435</b>	hypothetical protein	2.23	$5.44 \times 10^{-16}$	1.12	0.0167
<b>TA06795</b>	hypothetical protein, conserved	2.23	$5.55 \times 10^{-16}$	1.14	0.0168
<b>TA18275</b>	hypothetical protein	2.22	$5.91 \times 10^{-16}$	1.17	0.0170
<b>TA20150</b>	Theileria-specific hypothetical protein	2.22	$6.00 \times 10^{-16}$	1.17	0.0167
<b>TA14130</b>	Tpr-related protein family member, putative	2.23	$6.31 \times 10^{-16}$	1.19	0.0168
<b>TA04355</b>	hypothetical protein	2.19	$8.91 \times 10^{-16}$	1.31	0.0182
<b>TA13940</b>	hypothetical protein	2.21	$9.32 \times 10^{-16}$	1.36	0.0186
<b>TA07435</b>	Sfil-subtelomeric fragment related protein family member, putative	2.15	$1.15 \times 10^{-15}$	1.47	0.0199
<b>TA10645</b>	hypothetical protein	2.18	$1.20 \times 10^{-15}$	1.49	0.0199
<b>TA20985</b>	hypothetical protein	2.15	$1.30 \times 10^{-15}$	1.55	0.0204
<b>TA15095</b>	Tpr-related protein family member, putative	2.18	$1.35 \times 10^{-15}$	1.55	0.0201
<b>TA15090</b>	Tpr-related protein family member, putative	2.17	$1.37 \times 10^{-15}$	1.55	0.0199
<b>TA15355</b>	hypothetical protein	2.15	$1.51 \times 10^{-15}$	1.62	0.0205

<b>TA19675</b>	hypothetical protein	2.15	$1.58 \times 10^{-15}$	1.65	0.0206
<b>TA17960</b>	hypothetical protein	2.15	$1.62 \times 10^{-15}$	1.65	0.0204
<b>TA13535</b>	hypothetical protein	2.11	$1.62 \times 10^{-15}$	1.65	0.0201
<b>TA05375</b>	hypothetical protein	2.16	$1.67 \times 10^{-15}$	1.71	0.0206
<b>TA14335</b>	hypothetical protein	2.15	$1.72 \times 10^{-15}$	1.73	0.0206
<b>TA10690</b>	ubiquitin-conjugating enzyme E2. putative	2.12	$2.36 \times 10^{-15}$	1.88	0.0221
<b>TA19975</b>	integral membrane protein, putative	2.11	$2.73 \times 10^{-15}$	1.95	0.0227
<b>TA03850</b>	Tpr-related protein family member, putative	2.13	$2.85 \times 10^{-15}$	1.98	0.0228
<b>TA14120</b>	Tpr-related protein family member, putative	2.09	$3.18 \times 10^{-15}$	2.04	0.0232
<b>TA03540</b>	hypothetical protein	2.06	$3.40 \times 10^{-15}$	2.12	0.0238
<b>TA14135</b>	Tpr-related protein family member, putative	2.10	$3.87 \times 10^{-15}$	2.15	0.0239
<b>TA03755</b>	sporozoite surface antigen (spag -1)	2.08	$3.87 \times 10^{-15}$	2.15	0.0236
<b>TA17500</b>	Sfil-subtelomeric fragment related protein family member, putative	2.09	$3.92 \times 10^{-15}$	2.16	0.0235
<b>TA13345</b>	hypothetical protein	2.07	$5.14 \times 10^{-15}$	2.32	0.0250
<b>TA19575</b>	hypothetical protein, conserved	2.06	$5.66 \times 10^{-15}$	2.37	0.0252
<b>TA09600</b>	Tpr-related protein family member, putative	2.01	$7.70 \times 10^{-15}$	2.61	0.0275
<b>TA03480</b>	hypothetical protein, conserved	2.03	$8.04 \times 10^{-15}$	2.61	0.0272
<b>TA19075</b>	hypothetical protein	2.03	$8.17 \times 10^{-15}$	2.63	0.0271
<b>TA21050</b>	hypothetical protein	2.02	$8.20 \times 10^{-15}$	2.63	0.0268
<b>TA03855</b>	Tpr-related protein family member, putative	2.03	$9.80 \times 10^{-15}$	2.74	0.0277
<b>TA12015</b>	hypothetical protein	2.00	$1.02 \times 10^{-14}$	2.79	0.0279

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