

Table S1a. Genes downregulated at 33 generations and 199 generations (vs. 15 generations) observed in microarray studies.

PlasmID	Annotation	15 generations	33 generations	fold-change	M-value	p-value
PF10_0350	hypothetical protein	3125	12625	0.25	-2.01	3.16E-06
PF11_0503	hypothetical protein	762.1	2372	0.32	-1.64	1.85E-05
PF11735c	hypothetical protein	263.5	728.8	0.36	-1.47	8.11E-05
PFD0630c	PfEMP1 (PFD0630c)	795.4	2081	0.38	-1.39	5.47E-07
PFD0630c	PfEMP1 (PFD0630c)	1641	3900	0.42	-1.24	0.00018
PFD0630c	PfEMP1 (PFD0630c)	3401	7622	0.45	-1.16	6.02E-07
PFI0110c	protein kinase	262.4	686.2	0.38	-1.39	0.00027
PF11755c	hypothetical protein	263.5	678	0.39	-1.36	0.000694
PF08_0103	PfEMP1 (PF08_0103)	432.6	1077	0.40	-1.32	0.000177
PF08_0103	PfEMP1 (PF08_0103)	264	564.5	0.47	-1.10	0.000683
PFD1185w	hypothetical protein	245.8	548.8	0.45	-1.16	0.000267
PFA0620c	glutamate acid rich protein	669.1	1449	0.46	-1.11	0.000405
MAL7P1.172	hypothetical protein	1009	2144	0.47	-1.09	0.000502
MAL7P1.29	hypothetical protein	916.1	1899	0.48	-1.05	0.000601

PlasmID	Annotation	15 generations	199 generations	fold-change	M-value	p-value
PFB0100c	knob associated histidine-rich protein	60705	394	0.01	-7.3	0.0242
PFB0100c	knob associated histidine-rich protein	28902	212.5	0.01	-7.1	0.0242
PFB0100c	knob associated histidine-rich protein	26732	235.5	0.01	-6.8	0.0242
PFB0100c	knob associated histidine-rich protein	19442	179.2	0.01	-6.8	0.0242
PFD0630c	PfEMP1 (PFD0630c)	2795	92.75	0.03	-4.9	0.0018
PFD0630c	PfEMP1 (PFD0630c)	1416	85.5	0.06	-4.0	0.0358
PFD0630c	PfEMP1 (PFD0630c)	636	87.62	0.14	-2.9	0.00287
PFB0095c	PfEMP3	994.2	96.5	0.10	-3.4	0.0386
PFD0310w	sexual stage-specific protein precursor	5777	840	0.15	-2.8	0.0404
PFD0310w	sexual stage-specific protein precursor	7637	1,136	0.15	-2.7	0.0405
PFD0310w	sexual stage-specific protein precursor	4554	691.5	0.15	-2.7	0.0405
PF13_0011	<i>P. falciparum</i> gamete antigen 27/25	592.2	131	0.22	-2.2	0.0421
PFL0795c	hypothetical protein	409.7	93	0.23	-2.1	0.0424
PF10_0374	Pf 11-1 protein	469.3	113.8	0.24	-2.0	0.0428
PF08_0103	PfEMP1 (PF08_0103)	356.2	98.75	0.28	-1.9	0.0439
PF10_0164	hypothetical protein	636.8	180.5	0.28	-1.8	0.0443
PF11735c	hypothetical protein	274.5	90.5	0.33	-1.6	0.0473
PF14_0010	glycophorin binding protein-related antigen	377.9	125.2	0.33	-1.6	0.0466
PF10_0350	hypothetical protein	5780	2,008	0.35	-1.5	0.0477
PF11755c	hypothetical protein	258.2	91.75	0.36	-1.5	0.0481

Table S1b. Genes upregulated at 33 generations and 199 generations (vs. 15 generations) observed in microarray studies.

PlasmID	Annotation	15 generations	33 generations	fold-change	M-value	p-value
PFL0030c	PfEMP1 (var2csa)	255.9	691.2	2.70	1.4	5.63E-05
PFL0030c	PfEMP1 (var2csa)	255.4	726.8	2.85	1.5	0.00042
PFL0030c	PfEMP1 (var2csa)	253.6	712.2	2.81	1.5	1.10E-05
PF10_0212	hypothetical protein	978.3	2544	2.60	1.4	0.000572
PFB0365w	hypothetical protein	529.6	1199	2.26	1.2	0.000295
PFI0160w	hypothetical protein	443.9	972.8	2.19	1.1	8.28E-05

PlasmID	Annotation	15 generations	199 generations	fold-change	M-value	p-value
PFL0030c uORF	PfEMP1 (var2csa)	166.7	1974	11.8	3.6	2.42E-07
PFL0030c	PfEMP1 (var2csa)	191.2	4618	24.2	4.6	1.03E-09
PFL0030c	PfEMP1 (var2csa)	222.6	9091	40.8	5.4	4.71E-08
PFL0030c	PfEMP1 (var2csa)	264.8	7780	29.4	4.9	3.03E-09
PFL0030c	PfEMP1 (var2csa)	228.3	8415	36.9	5.2	4.23E-08
PFL0030c	PfEMP1 (var2csa)	237.4	10018	42.2	5.4	1.11E-08
PFE1615c	hypothetical protein	120.7	301	2.5	1.3	0.000145
PF11_0040	early transcribed membrane protein 11.2	8920	18290	2.1	1.0	0.00131