

Table S3. Influence of temperature storage of sporozoite on the pattern of a number of up-regulated genes.

Fold increase when compared to salivary gland sporozoite

		Sporozoites kept at 4°C after dissection prior incubation at 37°C with hepatocytes			Sporozoites kept at room temperature after dissection prior incubation at 37°C with hepatocytes		
		30 min	1hr	2hr	30 min	1hr	2hr
Continuous up-regulation	MAL8P1.6	6.7 ± 1.4	13.8 ± 2.1	41.5 ± 7.5	3.1 ± 1.0	11.0 ± 3.2	45.6 ± 3.5
	PFL0065w	8.5 ± 3.4	10.1 ± 4.1	48.8 ± 10.2	2.5 ± 0.5	15.6 ± 4.5	28.7 ± 12.0
	PFI0580c	4.4 ± 1.2	3.7 ± 0.9	6.3 ± 1.7	9.2 ± 3.7	9.7 ± 2.7	11.6 ± 3.1
	PF08_0054	2.1 ± 0.4	3.9 ± 0.6	15.6 ± 4.1	2.2 ± 0.3	3.5 ± 0.7	20.3 ± 5.1
Transient up-regulation	PF11_0344	1.5 ± 0.2	2.3 ± 0.2	1.3 ± 0	0.9 ± 0.0	3.2 ± 1	1.5 ± 0.0
	PF14_0425	3.0 ± 0.1	2.5 ± 0.1	1.7 ± 0.1	1.9 ± 0.1	2.7 ± 0.4	1.7 ± 0.2
	PF13_0201	1.7 ± 0.1	2.2 ± 0.3	0.9 ± 0	1.7 ± 0.0	2.7 ± 0.5	1.8 ± 0.2
	PFD0425w	2.7 ± 0	1.2 ± 0	0.8 ± 0	2.0 ± 0.2	2.6 ± 0.6	2.0 ± 0.3
	PFD0430c	2.0 ± 0.3	2.6 ± 0.1	1.8 ± 0.2	2.7 ± 0.4	2.2 ± 0.2	1.1 ± 0.0
	PFD0825c	2.9 ± 0.4	2.0 ± 0.1	1.8 ± 0.1	2.5 ± 0.2	3.5 ± 0.9	1.9 ± 0.6
	PFL0085c	1.4 ± 0.4	2.0 ± 0.1	1.5 ± 0.1	2.1 ± 0.2	2.9 ± 0.7	2.6 ± 0.5

Expression levels of 13 genes in sporozoites incubated at 37°C in the absence or the presence of primary human hepatocytes for 30 min, 1 hr or 2 hr, were normalized to the expression levels measured for control salivary glands sporozoites stored a 4°C (left) or room temperature (right) (values assigned as 1). Up-regulation ratios are represented by a colour gradient.