

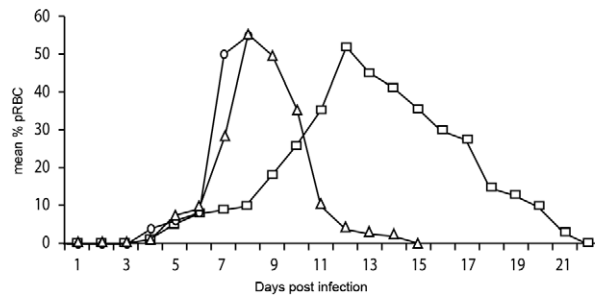
SYBR green primers targeting different splenic pattern recognition receptors genes designed using
Primer Express 3.0 software

Receptor	Accession	Forward	Reverse
F4/80	NM_010130	catctgtggtgcctcct	ccttgggagccttctggatc
MRC1	NM_008625	ctcagcaagcgatgtgcct	gcatagggccaccactgatt
MRC2	NM_008626	gggaaccagacattggtcga	cctcctgaaagcgtaccac
Msr1	NM_031195	cctggaggtcgaggaaac	tcccgcctcctcggc
SIGNR1	NM_126972	ttcttccaagtcccagcg	ttfgcaagctgtgacggc
MARCO	NM_010766	tgaagatcggggtgtggaa	tgatgacctctcgggctcc
Dectin2	NM_020001	cctcaacaatggtgcaggaa	tggacactgggacatcgg
Sn	NM_011426	cctgctcattcctgcattct	tggacactgggacatcgg
CD68	NM_009853.1	tggcgggtggaatacaatgtg	tgaatgccactgtgctgcc
CD36	NM_007643	aaccagtgtctccttgattc	cgatcacagcccattctct
TLR2	NM_011905	atcccctcctcactcca	tctgggcaccagcctagg
Actin	NM_007393	gcgggcgacgatgct	aggcggcccacgat

gene specificity of all primers was confirmed using BLAST (ncbi.nlm.nih.gov/BLAST/). Dectin: dendritic cell-associated C-type lectin; MARCO: macrophage receptor with collagenous structure; MRC: mannose receptor C; Msr: macrophage scavenger receptor; Sn: sialoadhesin; TLR: Toll-like receptor.

Analysis of over-representation of functional terms using the tool Gostats of the 10 most variable genes in lines 17X (Cy3) and 17XL (Cy5) obtained from the microarray expression analysis of the spleen of BALB/c mice infected with *Plasmodium yoelii* 17X and 17XL strain at 1%, 10% and 50% parasitaemia

GO term	CY3 X p and genes	CY5 XL p and genes
Taxis GO:0042330	0.00101 ccl2 ccl5 ifng	0.000934 ccl2 ccl5 ifng
Phosphate transport GO:0006817	0.00841 marco msr1	-
Immune response GO:0006955	0.01 ccl2 ccl5 ifng	0.00157 ccl2 ccl5 ifng ptpcr
Endocytosis GO:0006897	0.0145 mrcl msr1	-
Apoptosis GO:0006915	-	0.00778 ifng tnfrsf18 ptpcr
Cell death GO:0008219	-	0.0085 ifng tnfrsf18 ptpcr



Course of parasitaemia in BALB/c infections with *Plasmodium yoelii* 17X and 17XL strains and with *Plasmodium chabaudi chabaudi* AS. Groups of six BALB/c mice were challenged with 1×10^6 *P. yoelii* 17X (squares), 17XL (circles) and *P. chabaudi chabaudi* AS (triangles) infected red blood cells (iRBCs) and course of parasitaemia was monitored by enumerating iRBCs in tail blood thin smears stained with Giemsa.