

Research Article

Protective vaccination reshapes hepatic response to blood-stage malaria of genes preferentially expressed by NK cells

Supplementary Information

Marcos J. Araúzo-Bravo^{1,2*}, Denis Delic^{3*}, Daniela Gerovska¹, Frank Wunderlich⁴

¹ Group of Computational Biology and Systems Biomedicine, Biodonostia Health Research Institute, San Sebastián, Spain; mararabra@yahoo.co.uk (M. J. A.-B.)

² IKERBASQUE, Basque Foundation for Science, Bilbao, Spain

³ Boeringer Ingelheim Pharma, Biberach, Germany; denis.delic@boehringer-ingelheim.com (D. D.)

⁴ Department of Biology, Heinrich-Heine-University, Düsseldorf, Germany; Frank.Wunderlich@hhu.de (F. W.)

*Corresponding authors:

Marcos J. Araúzo-Bravo, ^aGroup of Computational Biology and Systems Biomedicine, Biodonostia Health Research Institute, San Sebastián, Spain

^bIKERBASQUE, Basque Foundation for Science, Bilbao, Spain

E-mail: mararabra@yahoo.co.uk

Tel.: +34943006108

Denis Delic, ^cBoeringer Ingelheim Pharma, Biberach, Germany

E-mail: denis.delic@boehringer-ingelheim.com

Tel.: Tel.: +49735154143839

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Table S1. Heatmap of hepatic expression profiles of NK cell-associated genes used for analyses in the present study. RNA was isolated from the individual livers prepared from non-vaccinated and vaccinated mice infected with *P. chabaudi* on days 0, 1, 4, 8, and 11 *p.i.*. The 5 columns on the left represent non-vaccinated control mice (N) and the 5 columns on the right the vaccinated mice (V) at the different days *p.i.* (Nd0 – Nd11 vs Vd0 – Vd11). Each vertical column contains three vertical lanes of numbers indicating log₂-transformed expression levels of three different microarrays prepared from three different livers at a given time-point. Gene names are indicated on the left.

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18											
<i>Itga1</i>	8.0	7.8	7.6	7.7	7.6	7.6	8.1	8.1	8.2	7.3	7.6	7.8	7.7	7.6	7.7	8.1	8.0	8.0	7.7	7.5	7.6	8.3	8.3	8.5	8.1	8.0	7.6	8.2	8.5	8.3
<i>Itga2</i>	0.3	1.1	0.4	1.5	1.6	0.4	0.8	0.3	0.3	3.0	4.2	5.2	5.8	5.3	5.8	0.3	0.3	0.3	2.9	5.2	0.8	2.1	1.4	2.4	4.7	4.8	5.0	3.7	4.2	1.6
<i>Tnfrsf10</i>	7.3	7.7	7.5	9.5	10	10	9.2	9.1	9.3	5.9	5.2	4.6	5.3	4.5	5.2	7.5	7.2	7.4	11	11	10	8.1	8.4	7.9	5.1	3.5	4.2	4.9	6.0	7.1
<i>Eomes</i>	0.9	2.0	2.1	2.9	4.2	4.0	5.8	5.3	5.4	4.3	5.5	3.0	2.7	2.5	2.7	3.1	2.6	1.6	4.1	4.0	4.6	6.3	6.8	6.3	4.9	4.6	5.0	5.0	4.6	6.1
<i>Tbx21</i>	4.7	5.2	5.0	5.4	6.0	5.6	7.0	7.0	6.8	6.3	6.6	5.5	5.2	4.6	5.4	4.6	4.6	4.5	6.3	6.5	6.4	7.1	7.2	6.7	6.3	5.8	6.3	6.7	5.7	6.9
<i>Prf1</i>	4.6	5.2	5.0	5.8	6.3	5.9	7.9	7.6	7.8	7.7	7.5	6.2	5.6	5.6	5.6	5.4	5.3	4.4	6.4	7.0	7.0	8.3	8.6	8.5	7.1	6.8	7.1	7.5	6.1	6.1
<i>Gzma</i>	8.4	8.6	8.2	9.6	10	10	13	13	13	13	13	11	11	11	11	8.7	8.3	8.1	10	10	10	14	14	14	13	13	13	14	11	12
<i>Gzmb</i>	5.0	4.7	4.2	6.2	7.6	7.2	9.5	9.0	9.1	10	10	9.2	8.1	8.0	8.2	4.8	4.1	4.5	7.7	7.9	7.9	9.4	9.6	9.7	10	9.8	10	11	8.6	9.4
<i>Gzmk</i>	1.8	0.8	0.7	0.8	0.9	0.8	5.9	5.6	5.5	7.2	8.0	5.8	5.1	4.7	5.3	0.7	0.8	0.8	0.7	0.9	0.7	6.1	6.2	5.5	6.9	6.7	7.0	7.9	5.9	6.4
<i>Gzmm</i>	4.7	4.2	4.4	4.2	3.2	3.6	5.4	5.3	5.3	4.7	5.3	5.0	6.3	7.4	5.9	4.1	3.9	4.1	3.8	3.8	4.0	5.1	4.9	4.6	5.0	4.6	4.7	5.1	5.3	5.7
<i>Gzmc</i>	0.7	0.7	0.7	4.1	4.9	4.8	2.8	2.6	1.8	2.4	3.0	1.9	1.1	1.8	1.6	2.1	0.7	1.3	4.6	4.0	4.1	2.2	1.1	2.3	2.2	2.9	3.0	4.7	2.0	1.4
<i>Ncr1</i>	2.4	3.1	3.4	4.5	5.1	4.9	6.8	6.3	6.4	4.8	4.0	2.8	2.7	0.7	2.9	3.3	2.4	2.1	5.1	5.8	5.6	6.9	6.7	6.6	3.9	2.6	4.0	3.7	3.9	3.5
<i>Klra2</i>	6.4	6.4	6.4	6.0	6.1	6.1	7.6	7.5	7.7	6.7	6.4	5.9	4.8	1.9	4.9	6.3	5.7	6.4	5.8	5.9	5.2	8.0	7.7	7.8	5.6	5.0	6.2	5.6	5.3	6.4
<i>Klra7</i>	0.7	0.7	0.7	2.2	0.8	0.7	4.8	4.3	4.8	3.8	2.8	2.6	2.2	1.7	0.9	0.6	0.7	0.7	2.9	1.8	3.0	5.4	5.4	5.0	2.9	2.6	2.3	2.6	0.6	2.9
<i>Klra1</i>	7.2	7.1	7.5	6.7	7.9	7.3	6.7	6.9	6.8	5.9	6.8	6.7	8.2	9.3	7.5	7.1	7.3	6.9	8.6	9.0	8.6	6.2	6.5	6.5	6.2	6.6	6.5	7.3	7.4	6.7
<i>Klra5</i>	0.5	0.5	2.0	0.5	0.5	0.5	3.6	2.8	1.8	2.8	2.2	2.9	0.5	1.5	1.0	1.3	0.5	0.5	2.4	0.5	1.2	3.8	3.6	3.9	2.3	0.4	1.6	2.2	3.4	3.8
<i>Klrk1</i>	3.2	2.9	3.9	2.7	3.4	3.3	4.9	4.7	5.0	3.0	2.1	0.7	1.6	0.7	2.3	3.9	2.8	2.3	3.2	3.3	2.6	4.8	4.7	4.8	2.5	2.4	1.8	2.9	2.2	3.2
<i>Klrc1</i>	2.9	3.2	2.6	3.1	2.6	3.6	5.7	5.8	5.6	5.7	5.4	4.6	4.2	3.6	4.3	3.0	2.9	2.5	3.1	3.2	2.6	6.2	6.4	6.5	5.7	4.8	5.1	5.8	4.9	5.7
<i>Klrc3</i>	0.8	1.2	0.7	0.8	2.6	1.6	3.4	3.2	3.7	3.4	3.1	2.3	1.9	1.4	1.9	0.9	0.7	0.8	0.9	0.8	2.8	4.4	4.4	4.5	3.8	1.0	1.1	3.5	2.3	3.9
<i>Klrd1</i>	2.5	2.2	2.3	3.4	2.9	4.1	5.9	5.6	5.3	5.3	5.2	3.8	4.2	2.3	3.9	2.8	1.9	2.1	2.8	3.7	3.4	6.3	6.4	6.3	4.8	4.1	4.6	5.7	4.4	5.2
<i>Klrb1a</i>	1.8	1.5	0.4	0.5	0.4	1.3	3.6	3.7	3.2	2.5	1.9	0.4	2.2	0.5	2.4	0.7	0.4	0.5	1.1	1.9	0.4	3.9	4.2	4.0	2.5	0.4	2.0	2.4	2.5	1.8
<i>Klrb1c</i>	2.6	0.7	0.7	2.1	3.8	3.7	5.2	5.2	5.0	3.6	3.3	0.7	1.8	0.7	0.8	2.4	1.2	0.8	2.5	2.9	0.7	5.8	6.0	5.6	3.3	2.8	3.1	3.5	0.8	2.5
<i>Klrb1f</i>	3.2	1.9	2.8	4.2	5.0	4.4	5.1	5.1	5.2	4.5	4.4	2.5	3.0	0.7	3.0	3.1	1.6	1.5	4.5	4.5	4.1	5.8	5.7	5.5	4.2	4.0	4.0	4.7	5.2	5.3
<i>Clec2d</i>	10	10	10	10	11	11	10	10	10	9.0	8.6	9.2	8.1	7.8	8.6	10	10	10	11	11	11	10	10	10	8.8	7.9	8.8	8.9	9.4	10
<i>Clec2i</i>	4.3	4.3	3.9	4.1	4.3	4.2	5.1	4.8	4.7	6.4	6.3	6.3	6.5	7.0	6.3	4.6	4.1	4.5	4.4	4.1	4.7	6.0	5.8	6.0	6.4	6.5	6.6	7.1	6.1	6.2
<i>Cd69</i>	2.5	2.3	1.6	5.9	6.2	6.1	4.6	4.8	4.4	5.5	5.3	4.9	4.3	3.8	4.1	2.7	0.7	2.6	6.0	6.1	5.4	4.7	4.8	4.9	5.1	4.8	4.7	4.9	4.5	4.6
<i>Klrg1</i>	2.4	3.1	1.8	3.7	4.0	4.1	6.4	6.3	6.2	5.5	5.4	2.6	3.1	2.5	3.0	2.3	0.7	1.9	4.4	4.8	4.9	6.8	7.1	7.4	4.7	3.5	4.6	5.1	3.7	4.4
	Nd0	Nd1	Nd2	Nd3	Nd4	Nd5	Nd6	Nd7	Nd8	Nd9	Nd10	Nd11	Vd0	Vd1	Vd2	Vd3	Vd4	Vd5	Vd6	Vd7	Vd8	Vd9	Vd10	Vd11	Vd12	Vd13	Vd14	Vd15	Vd16	Vd17