**Table 1.** Correlation analyses of O.D. (in black) and R.I.C.P. (in red) of specific antibody values against rNcGRA7, rNcSAG4, rNcBSR4 and rNcSRS9 with anti-IgG1 and IgG2a values and *in vivo* parameters measured in both the non-pregnant and pregnant mouse models. Globally similar significant variations were observed with both groups.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Model** | **Specific antibodies** | **Days**  | **IgG1** | **IgG2a** | **Dams morbidity** | **Parasite presence in dams** | **Neonatal morbidity** | **Neonatal mortality** | **Vertical transmission** |
| R2a | P b | R2 a | P b | ρc | P b | ρ c | P b | ρ c | P b | ρ c | P b | ρ c | P b |
| **Non-pregnantd****(Pereira García-Melo et al. 2010)** | rNcGRA7 | 8 p.i. | 0.3170.347 | 0.038 0.023 | 0.739 0.728 | <0.001 <0.001 | - | - | - | - | - | - | - | - | - | - |
| 16 p.i. | 0.442 0.437 | 0.003 0.003 | 0.495 0.492 | 0.001 0.001 | - | - | - | - | - | - | - | - | - | - |
| 32 p.i. | 0.650 0.658 | <0.001 <0.001 | 0.557 0.534 | <0.001 <0.001 | - | - | - | - | - | - | - | - | - | - |
| 64 p.i. | 0.706 0.696 | <0.001 <0.001 | 0.618 0.635 | <0.001 <0.001 | - | - | - | - | - | - | - | - | - | - |
| **Pregnant****(Regidor-Cerrillo et al. 2010)** | rNcGRA7 | 30 p.p. | 0.8960.885 | <0.001 <0.001  | 0.904 0.886 | <0.001 <0.001 | 0.7480.769 | 0.0080.006 | N.C. N.C. | - | 0.815 0.852 | 0.0020.001 | 0.7520.825 | 0.0080.002 | 0.6090.655 | 0.0470.029 |
| rNcSAG4 | 30 p.p. | N.C. 0.214 | - 0.011 | 0.222 0.286 | 0.008 0.001 | 0.8320.853 | 0.0010.001 | 0.6790.661 | 0.0220.027 | 0.6880.875 | 0.019<0.001 | 0.7330.893 | 0.01 <0.001 | 0.7640.709 | 0.0060.015 |
| rNcBSR4 | 30 p.p. | N.C. N.C. | - - | 0.160 0.211 | 0.061 0.012 | 0.6950.853 | 0.0180.001 | 0.62N.C. | 0.042- | 0.6790.765 | 0.0220.006 | 0.7240.756 | 0.0120.007 | 0.6000.636 | 0.0510.035 |
| rNcSRS9 | 30 p.p. | N.C. 0.211 | - 0.012 | 0.174 0.264 | 0.039 0.002 | 0.6420.705 | 0.0330.015 | N.C.N.C. | - | N.C.0.688 | -0.019 | 0.6380.743 | 0.0350.009 | 0.6730.627 | 0.0230.039 |

a R2 of Pearson. b P-value (two-tailed). c Spearman rho coefficient. d Morbidity and mortality rates were not recorded and correlation analyses were not performed. N.C.: no correlation