**Table S1 Pairwise comparison of recombinant protein indexes using correlation coefficients (*r2*).**

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| --- | --- | --- | --- |
| Pairs of recombinant antigens | Correlation coefficient\* | | *Comparison of r2values*  *to* r*Pv*CSP1/r*Pv*MSP1 *r*2 value† |
| *r2* | *p-value‡* | *p-value‡* |
| r*Pv*CSP1/r*Pv*MSP1 | 0.3033 | *<0.0001* | / |
| r*Pv*MSP1/r*Pf*MS1+r*Pf*AMA1 | 0.0144 | *<0.0001* | *<0.0001* |
| r*Pv*MSP1/r*Po*MSP1 | 0.1548 | *<0.0001* | *<0.0001* |
| r*Pv*MSP1/r*Pm*MSP1 | 0.1297 | *<0.0001* | *<0.0001* |
| r*Pv*CSP1/r*Pf*MS1-r*Pf*AMA1 | 0.0442 | *<0.0001* | *<0.0001* |
| r*Pv*CSP1/r*Po*MSP1 | 0.2331 | *<0.0001* | *0.0073* |
| r*Pv*CSP1/r*Pm*MSP1 | 0.1138 | *<0.0001* | *<0.0001* |
| \*Correlation coefficient was calculated using Pearson coefficient (r).  †Correlation coefficients of each pair of recombinant antigens were compared to the correlation coefficient of r*Pv*CSP1/r*Pv*MSP1 pair.  ‡*p-values <0.05* were considered as significant | | | |