Additional file 1: Fixed methods model distribution of two compartments for calculation of cut off values

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|  | Mean | Standard deviation | Mean + 3SD | Cut-off |
| PfMSP1 | 2.28 | 1.84 | **6.2\*** | **493** |
| PmMSP1 | 1.20 | 0.66 | 3.17 | **24** |
| PoMSP1 | 1.04 | 0.63 | 2.94 | **19** |
| PvMSP1 | 1.09 | 0.67 | 3.10 | **22** |
| LSA1 | 0.99 | 0.83 | 3.47 | **32** |
| CSP | 1.53 | 0.82 | 3.99 | **54** |

\*Cut off determined visually

‘Mean’ is for log-transformed MFI-bg values

‘cutoff ‘ as exponentiated back to linear scale