**Supplementary table 1. Regression Analysis of PPD response as measured by ELISPOT**

1. **PPD at day 7**

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| --- | --- | --- | --- |
| **Factor** | **Level** | **Estimate (Bootstrap 95% C.I.)** | **P-value** |
| Constant |  | 129.5 (-2 751.8 ; 3010.9) | - |
| Age | Per one year increase | 4.7 ( -200.9 ; 210.2) | 0.96 |
| Sex | MaleFemale | 0 (Ref)29.9 (-516.5 ; 576.3) | 0.91 |
| School | BusabalaOfficers’ childrenKigo-LunyaBulegaBugiri | 0 (Ref)-75.0 (-1 209.8 ; 1 059.8)143.2 (-832.4 ; 1 118.8)329.2 (-262.1 ; 920.4)663.3 (-510.0 ; 1 836.6) | 0.25 |
| Hookworm Stool PCR | NegativePositive | 0 (Ref)-105.8 (-726.8 ; 515.1) | 0.74 |
| Helminth Group | No helminth*Sm* only | 0 (Ref)167.9 (-589.1 ; 925.0) | 0.66 |

Abbreviations: PPD, Purified Protein Derivative; C.I., confidence interval; PCR, polymerase chain reaction; *Sm, Schistosoma mansoni*; AUC, Area under the curve

1. **AUC for PPD (day 0 – day 28)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Factor** | **Level** | **Estimate (Bootstrap 95% C.I.)** | **P-value** |
| Constant |  | -16 132 (-98 775 ;66 510) | - |
| Age | Per one year increase | 1 622 ( -4 221 ; 7 466 ) | 0.59 |
| Sex | MaleFemale | 0 (Ref)-74 (-11 740 ; 11 591) | 0.99 |
| School | BusabalaOfficers’ childrenKigo-LunyaBulegaBugiri | 0 (Ref)1 048 (-19 895 ; 21 990)7 379 (-11 560 ; 26 318)7 964 (-7 152 ; 23 080)9 941 (-11 638 ; 31 521) | 0.71 |
| Hookworm Stool PCR | NegativePositive | 0 (Ref)1 268 (-11 240 ; 13 776 ) | 0.84 |
| Helminth Group | No helminth*Sm* only | 0 (Ref)1 (-14 735 ; 14 736 ) | 0.99 |

Abbreviations: PPD, Purified Protein Derivative; C.I., confidence interval; PCR, polymerase chain reaction; *Sm, Schistosoma mansoni*; AUC, Area under the curve