### Supplemental Table S3.

| Challenge Strain: | $S.\ flexneri$ 2a 2457T | $S.\ sonnei$ 53G |
|-------------------|--------------------------|------------------|
| **Shigellosis Outcome:** | All Subjects | No Shigellosis | Shigellosis | All Subjects | No Shigellosis | Shigellosis |
| **Component 1** | | | | | | |
| % Subjects with Positively Correlated C1 Score | 55.6% | 33.3% | 80.0% | 43.5% | 41.7% | 45.5% |
| Mean ± Standard Deviation (Range) | 0.2 ± 2.1 (−3.4 − 5.4) | −0.6 ± 1.6 (−2.8 − 1.7) | 0.9 ± 2.2 (−3.4 − 5.4) | −0.1 ± 2.6 (−4.7 − 6.2) | −0.5 ± 2.6 (−4.7 − 4.5) | 0.3 ± 2.5 (−3.0 − 6.2) |
| 95% Confidence Interval | -0.6 − 1.0 | -1.6 − 0.4 | -0.3 − 2.1 | -0.9 − 0.6 | -1.6 − 0.6 | -0.8 − 1.4 |
| Median (Interquartile Range) | 0.4 | -1.0 | 0.7 | -0.5 | -0.7 | 0.1 |
| **Component 2** | | | | | | |
| % Subjects with Positively Correlated C2 Score | 22.2% | 0% | 40.0% | 58.7% | 41.7% | 77.3% |
| Mean ± Standard Deviation (Range) | -0.8 ± 1.0 (−2.7 − 1.6) | -1.1 ± 0.6 (−1.8 − 0.1) | -0.5 ± 1.2 (−2.7 − 1.6) | 0.4 ± 1.5 (−2.5 − 4.8) | -0.3 ± 1.0 (−2.5 − 1.6) | 1.3 ± 1.4 (−0.7 − 4.8) |
| 95% Confidence Interval | -1.2 − 0.4 | -1.5 − 0.7 | -1.2 − 0.2 | 0.0 − 0.9 | -0.8 − 0.1 | 0.7 − 1.9 |
| Median (Interquartile Range) | -0.7 | -1.2 | -0.2 | 0.3 | -0.3 | 1.1 |
| | (-1.6 − -0.1) | (-1.5 − -0.5) | (-1.8 − 0.2) | (-0.5 − 1.1) | (-1.2 − 0.6) | (10^{-5} − 2.3) |