**Supplementary Table 1. Comparison of Cohort 1 and Cohort 2**

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Cohort 1**  **N=90** | **Cohort 2**  **N=566** | **p-value** |
| **Sex**  Female | 45 (50.0) 1 | 321 (56.7) | 0.23 |
| **Race/ethnicity** |  |  |  |
| White, non-Hispanic | 88 (97.8) | 556 (98.2) | 0.76 |
| **Baseline mumps titers**  Negative or low (<16 mIU/mL) | 7 (7.8) | 36 (6.4) | 0.61 |
| **Mumps geometric mean titers (GMT)**  Baseline  1 year post-MMR3 vaccine2 | 104.9  136.6 | 104.0  124.2 | 0.94  0.42 |
| **Age at enrollment**  Mean age in years (range) | 20.9 (19- 28) | 20.8 (18-24) | 0.51 |

1. These are numbers and percents unless otherwise stated.

2. The GMT results at 1 year are from 612 subjects. The total number of subjects at 1 year was lower than at baseline because of dropouts.