Supplemental Table 1: Baseline characteristics of CVID participants

| CVID study participant | Baseline Serum IgG (7.51-15.6) g/L | Baseline Serum IgA (0.82-4.53) g/L | Baseline Serum IgM (0.46-3.04) g/L | Baseline CD19 cells (0.135-0.447) x10^9/L | Ab Response to Pneumovax? |
|------------------------|------------------------------------|-----------------------------------|-----------------------------------|------------------------------------------|--------------------------|
| #                      |                                    |                                   |                                   |                                          |                          |
| 1                      | 1.96                               | <0.1                              | <0.2                              | 0.249                                    | none                     |
| 2                      | 3.81                               | 0.8                               | 2.73                              | 0.039                                    | n/a                      |
| 3                      | 2.23                               | <0.1                              | 0.25                              | 0.265                                    | n/a                      |
| 4                      | n/a                                | <0.2                              | <0.21                             | 0.565                                    | n/a                      |
| 5                      | <0.33                              | <0.07                             | <0.04                             | 0.061                                    | n/a                      |
| 6                      | 4.08                               | <.3                               | 1.12                              | 0.315                                    | none                     |
| 7                      | n/a                                | <0.2                              | <0.21                             | 0.001                                    | n/a                      |
| 8                      | n/a                                | <0.1                              | <0.2                              | 0.041                                    | n/a                      |
| 9                      | <4.0                               | <0.21                             | <0.2                              | 0.115                                    | n/a                      |
| 10                     | <0.33                              | <0.07                             | <0.09                             | 0.124                                    | none                     |
| 11                     | 0.91                               | <0.07                             | 0.61                              | 0.173                                    | n/a                      |

n/a = not available