**S2 Table.**

**Intra-individual variation in CD4+ T cell proliferation to heat-killed *Staphylococcus aureus* strains**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Patient | PS80 | SH1000 | SJH.MSSA-1 A | SJH.MRSA-1B | Endogenous | *p*-valueC |
| *S. aureus* BSI | **(%)** | **(%)** | **(%)** | **(%)** |  |  |
| SA-02 | 38.4 | 0 | 18 | - | 18A | 0.39 |
| SA-031 | 69.5 | 40.5 | - | - | 82.3 | 0.37 |
| SA-032 | 9.3 | 3 | 8.1 | 8.5 | 22 | 0.41 |
| SA-04 | 38.8 | 0 | - | 43.3B | 43.3B | 0.39 |
| SA-05 | 24.3 | 26 | 21.2 | 25.9 | 30.5 | 0.41 |
| SA-06 | 5.2 | 0 | 0 | 0 | 0.6 | 0.41 |
| SA-07 | 47.7 | 6.9 | 8.9 | 21 | 18.1 | 0.41 |
| SA-08 | 8 | 12 | 27.6 | 32.5 | 8.1 | 0.41 |
| SA-11 | 8.5 | 4.2 | 3.9 | 4.3 | 2.7 | 0.41 |
| SA-13 | 23.5 | 13.5 | 9.8 | 4.8 | 7.1 | 0.41 |
| SA-14 | 5.9 | 3.4 | 19.4 | 20.3 | 9.7 | 0.41 |
| SA-17 | 3.5 | 1.5 | 3.1 | 3.3 | 4.2 | 0.41 |
| SA-18 | 0 | 0 | 0.9 | 0 | 0 | 0.41 |
| SA-19 | 13.8 | 8.2 | 13.5 | 14.2 | 5.8 | 0.41 |
| SA-20 | 1.1 | 0 | 0 | 0 | 0 | 0.41 |
| SA-22 | 4.2 | 0.9 | 2.2 | 2.7 | 2.7 | 0.56 |
| SA-23 | 0 | 0 | 0 | .72 | 0.38 | 0.41 |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| A SJH.MSSA-1 strain was the endogenous infecting strain of patient SA-02 and used as a reference strain for subsequent patients.B SJH.MRSA-1 strain was the endogenous infecting strain of patient SA-04 and used as a reference strain for subsequent patients.C *P* values are calculated by Kruskal-Wallis test. 1,2 Patient SA-03 had recurrent *S. aureus* BSI (device-associated) 12 months after recovery from initial endovascular infection and was recruited on both occasions. Endogenous = patient’s own infecting *S. aureus* strain. MSSA = methicillin-sensitive *Staphylococcus aureus*. MRSA = methicillin-resistant *Staphylococcus aureus*. BSI = bloodstream infection. |