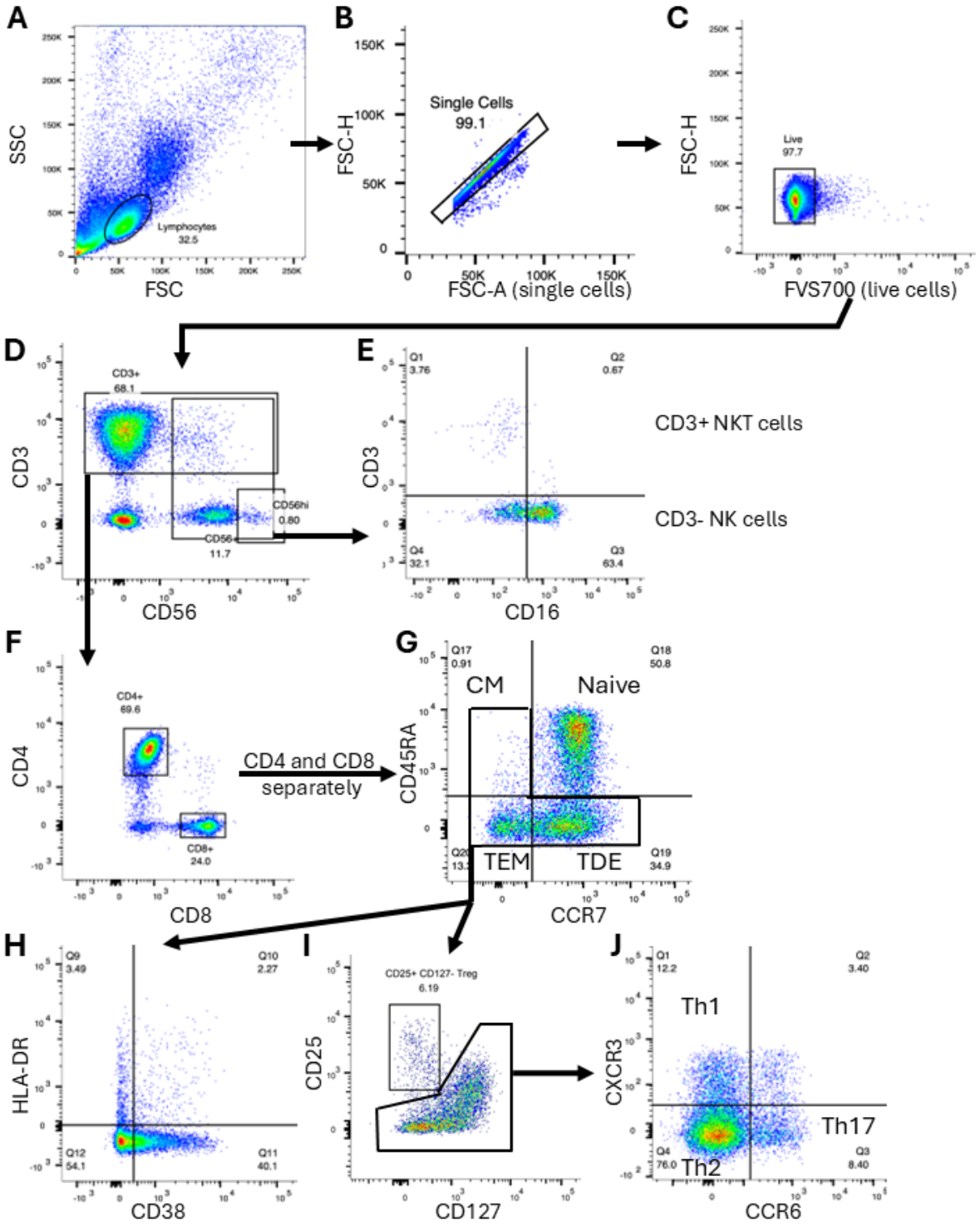



**Supplementary Figure 1.** Gating strategy for T and NKT phenotyping in PBMC. Cells were gated on **A)** Lymphocytes, **B)** single cells, **C)** Live cells, **D)** CD56+ cells were distinguished from CD3+ cells. **E)** CD56+ cells were gated on CD3 and CD16+ status to identify CD3+ NKT and CD3- NK cells. **F)** CD3+ cells were gated by CD4+ or CD8+. **G)** CD4+ and CD8+ T-cells were separately gated on CD45RA versus CCR7 to identify central memory (CM), naïve T cells, T effector memory (TEM) and terminally differentiated effector (TDE) cells. **H)** Activation markers HLA-DR and CD38 were used to gate % activated T cells in the CD4+ and CD8+ subsets. **I)** CD4+Cd25+ CD127- T regulatory cells were gated. **J)** CD4+ cells were gated with CXCR3 and CCR6 to identify Th1, Th2 and Th17 status.

**Supplementary Table 1**. Significant variables for pre-ICI comparisons. These variables were input into multiple logistic regression.

| | CIADM | Control | Test, p-value |
|---|---|---|---|
| **Baseline pancreatic volume (mls)** | 56±8 | 77±5 | T-test p=0.023 |
| **Anti-GAD** | 2.9 (0-6.1) | 0 (0-0.8) | M-W p=0.0021 |
| **Anti-IAA** | 2.0 (1.4-2.4) | 1.0 (0-1.78) | M-W p=0.048 |
| **% CD4+ central memory** | 4.3 (2.4-11.8) | 1.7 (0.7-3.7) | M-W p=0.01 |
| **% CD4+ naïve** | 38.5 (32.7-44.2) | 50.8 (39.9-60) | M-W p=0.03 |
| **% Th17 cells** | 11 (8.5-13.2) | 6.6 (5.6-7.9) | M-W p=0.001 |
| **% CD8+HLA-DR+CD38+** | 0.8 (0.6-2.0) | 2 (1.3-3.1) | M-W p=0.014 |
| **% NK CD56hi** | 1.6 (0.8-2.6) | 0.5 (0.3-1.1) | M-W p=0.0065 |

Data which is normally distributed is presented as mean±SEM and non-parametric data is shown with median and interquartile range (IQR). M-W = Mann Whitney