

Heatmap visualization showing the relationship between 19 cell types (Y-axis) and 6 Primary samples (X-axis). The color scale ranges from -1 (blue) to 2 (red), with 0 being white. A dendrogram on the left indicates hierarchical clustering of the cell types. A legend on the right identifies the cell types.

**Smoking-Detail Legend:**

- Never (Blue)
- Ex (Orange)
- Current (Green)

**19 cell types (Y-axis labels):**

- Smoking-Detail
- Mast cell activated
- Monocyte
- T cell CD8+
- Mast cell resting
- B cell memory
- Macrophage M0
- Neutrophil
- Myeloid dendritic cell activated
- T cell regulatory (Tregs)
- T cell gamma delta
- NK cell activated
- T cell CD4+ memory activated
- Macrophage M2
- Myeloid dendritic cell resting
- B cell naive
- Macrophage M1
- T cell follicular helper
- T cell CD4+ memory resting
- NK cell resting

**6 Primary samples (X-axis label):**