

**Supplemental Figure 3. Imaging mass cytometry identified (super)clusters in the TME of OPSCC.**

Using the unsupervised tSNE-based clustering program Cytosplore, 51 individual cell clusters were identified. **A)** Heatmap of the verified markers expressed in the identified clusters (c01-c51), and the manual grouping into mutually exclusive superclusters (sc01-sc18). **B)** Quantitative comparisons of the remaining 13 of the 18 superclusters present in OPSCC. The three distinct OPSCC subgroups are indicated by different colors: HPV- red (n=5), HPV16+IR- blue (n=4) and HPV16+IR+ green (n=11). Boxplots with bars in box representing the median and interquartile range.