





**Supplemental Figure 14. HPV reactivity of cultured OPSCC TIL.** Graphs displaying CCL4 (blue), CXCL13 (red), IFN $\gamma$  (green), TNF $\alpha$  (yellow), IL-10 (orange) and IL-5 (purple) production of cultured OPSCC TIL in response to medium, HPV16 E6 peptide (pool 1+2 and 3+4), HPV16 E7 peptide (pool 1+2)-loaded autologous monocytes for HPV16<sup>+</sup>IR<sup>+</sup> (n=9; **A**) and HPV16<sup>+</sup>IR<sup>-</sup> (n=5; **B**) OPSCC. Cytokine production in response to PHA served as positive control. Positive cytokine production, which is defined as at least twice above that of the cells stimulated with medium-loaded monocytes, is indicated by the asterisk. CCL4 and CXCL13 were determined by a multiplex cytokine assay and IFN $\gamma$ , TNF $\alpha$ , IL-10 and IL-5 by cytometric bead array.