



The lower limit of quantification (LLOQ) for intracellular cytokine staining (ICS) was 0.04%. Values below the LLOQ were imputed with 0.02% (LLOQ/2).

**Supplementary Figure 2:** Median CD8<sup>+</sup> cytokine responses (ICS) following heterologous or homologous two-dose vaccination with Ad26 and/or MVA for Groups 1-8 and Groups 9 and 10 (no booster vaccinations). Vaccination regimen and interval shown as [Group number] dose 1/dose 2 (booster) followed by day of each dose.