**Supplementary Figure S4**



**Supplementary Figure S7: Overview of the CD8+ T-cell subsets in the whole patient cohort and the fit and frail patient cohort separately. (A)** In the entire cohort, the CD27 expression in the naïve CD8+CD27+ CD28+ T-cells was significantly elevated after three months of combination treatment. Within the frail and fit population, no significant differences were found; **(B)** In the CM CD8+ T-cell population, the CD27 and CD28 expression were significantly increased. No significant results were demonstrated in the fit and frail patient population; **(C)** The expression of CD27 in the double positive EM CD8+CD27+CD28+ T-cells was significantly increased after three months of treatment. No significant differences were found within the fit and frail patient population; **(D)** No significance was found in the expression of CD27 or CD28 in the double positive TEMRA CD8+CD27+CD28+ T-cells in the entire patient population and the fit and frail population. The boxplots represent the IQR of the percentage of the specific CD8+ T-cell subsets or the mean fluorescence intensity (MFI) value. The level of significance is indicated with \* for FDR-corrected P ≤ 0.05 and with ns: no statistical significance. CD: cluster of differentiation; CM: central memory; EM: effector memory; FDR: false discovery rate; IQR: interquartile range; TEMRA: terminally differentiated effector memory re‐expressing CD45RA.