



**ESM Fig. 1** High-loss vs low-loss insulin secretion ( $\varphi_{\text{total}}$ ) in the entire cohort. Percent change from baseline in **(a)** partially exhausted C8<sup>+</sup>T cells (KLRG1<sup>+</sup>TIGIT<sup>+</sup>), **(b)** CD8<sup>+</sup> T effector memory cells (T<sub>EM</sub>, CD3<sup>+</sup>CD56<sup>-</sup>CD8<sup>+</sup>CD45R0<sup>+</sup>CCR7<sup>+</sup>PD1<sup>+</sup>) and **(c)** T central memory cells (T<sub>CM</sub>, CD3<sup>+</sup>CD56<sup>-</sup>CD8<sup>+</sup>CD45R0<sup>+</sup>CCR7<sup>+</sup>PD1<sup>+</sup>). Data are expressed as median (25<sup>th</sup>, 75<sup>th</sup> centile).