



**Supplementary Fig.15** Representative mutations of the RGS/APC (C121F, L202P), GSK3 $\beta$  (R395P) and  $\beta$ -catenin interaction (V478G) domains were investigated in a direct side-by-side comparison for their ability to affect  $\beta$ -catenin signaling. We represented all  $\beta$ -catenin reporter activities as WRE/CMV-Renilla ratios.