



Supplemental Figure S1. Luminal and intracellular levels of individual bile acid species. Bile acid quantities were determined by mass spectrometry. Values are expressed as mean mole fractions of the luminal or intracellular bile acid pool \pm standard deviation. **(A)** Luminal bile acids: CA (PBS: $n=7$, SCIN: $n=7$, DIFF: $n=8$), GCA (PBS: $n=8$, SCIN: $n=7$, DIFF: $n=9$), TCA (PBS: $n=8$, SCIN: $n=7$, DIFF: $n=9$), α MCA (PBS: $n=8$, SCIN: $n=7$, DIFF: $n=8$), G α MCA (PBS: $n=7$, SCIN: $n=6$, DIFF: $n=9$), T α MCA (PBS: $n=7$, SCIN: $n=7$, DIFF: $n=9$), β MCA (PBS: $n=7$, SCIN: $n=7$, DIFF: $n=8$), G β MCA (PBS: $n=8$, SCIN: $n=7$, DIFF: $n=9$), T β MCA (PBS: $n=8$, SCIN: $n=$, DIFF: $n=9$), CDCA (PBS: $n=6$, SCIN: $n=6$, DIFF: $n=3$), GCDCA (PBS: $n=6$, SCIN: $n=5$, DIFF: $n=8$), TCDCA (PBS: $n=8$, SCIN: $n=7$, DIFF: $n=9$), GUDCA (PBS: $n=8$, SCIN: $n=7$, DIFF: $n=7$), TUDCA (PBS: $n=8$, SCIN: $n=7$, DIFF: $n=9$), DCA (PBS: $n=8$, SCIN: $n=1$, DIFF: $n=3$), TLCA (PBS: $n=8$, SCIN: $n=5$, DIFF: $n=7$). **(B)** Intracellular bile acids: CA (PBS: $n=8$, SCIN: $n=6$, DIFF: $n=7$), GCA (PBS: $n=8$, SCIN: $n=7$, DIFF: $n=8$), α MCA (PBS: $n=8$, SCIN: $n=7$, DIFF: $n=8$), G α MCA (PBS: $n=8$, SCIN: $n=7$, DIFF: $n=9$), T α MCA (PBS: $n=8$, SCIN: $n=7$, DIFF: $n=9$), β MCA (PBS: $n=8$, SCIN: $n=7$, DIFF: $n=9$), G β MCA (PBS: $n=8$, SCIN: $n=7$, DIFF: $n=9$), CDCA (PBS: $n=7$, SCIN: $n=5$, DIFF: $n=8$), GCDCA (PBS: $n=7$, SCIN: $n=5$, DIFF: $n=9$), TCDCA (PBS: $n=8$, SCIN: $n=7$, DIFF: $n=9$), GUDCA (PBS: $n=8$, SCIN: $n=5$, DIFF: $n=9$), TUDCA (PBS: $n=8$, SCIN: $n=7$, DIFF: $n=9$), TLCA (PBS: $n=7$, SCIN: $n=5$, DIFF: $n=6$). Significance differences were determined by one-way ANOVA followed by Holm-Šídák multiple comparisons test (* $P<0.05$). ND, not detected.