



Host	Irrad	TCD-BM	Tcon	Symbol
C57BL/6 WT	+			■
C57BL/6 WT	+	+		○
C57BL/6 WT	+	+	+	▼
C57- <i>Cpa3-Cre</i> ; <i>Mcl-1^{fl/fl}</i>	+	+	+	△

Supplemental Figure 1: Mast cell-deficient C57BL/6-*Cpa3-Cre*;*Mcl-1^{fl/fl}* mice have exacerbated GVHD. Recipient mice, which were either C57BL/6 (H-2^b) wild-type or mast cell-deficient C57BL/6-*Cpa3-Cre*; *Mcl-1^{fl/fl}* mice, were lethally irradiated and transplanted with 5.0×10^6 TCD-BM, followed by 2.0×10^6 Tcon on day 4 (to induce GVHD) from FVB/N donors (H-2^q). Data were pooled from 2 independent experiments performed, each of which gave similar results (n=9 for C57BL/6-*Cpa3-Cre*; *Mcl-1^{fl/fl}* recipients, n=15 for all other groups). Significantly better survival was observed in the control mice containing mast cells than in the mast cell-deficient C57BL/6-*Cpa3-Cre*;*Mcl-1^{fl/fl}* mice (p<0.0001).