Figure S1: Impaired antidonor reactivity in T-bet⁻/⁻ mice 2 months after islet allografts.
Pancreatic islets from BALB/c mice were transplanted in wild-type (WT, n=4) or Tbet⁻/- (n=4) C57BL/6 mice. Antidonor IFNγ responses of recipient spleen cells were evaluated by Elispot assay 2 weeks (WT) or 2 months (T-bet⁻/-) after transplantation (*p<0.03).
Figure S2: Foxp3+ Tregs are detected at a similar frequency in all transplant recipients. Pancreatic islets from BALB/c mice were transplanted in wild-type (WT, n=5), IFNγ−/− or T-bet−/− (n=7) C57BL/6 mice. Proportion of Foxp3+ Tregs in the CD4+ T cell compartment was analyzed in the spleen and islet allografts on day 18 posttransplant.
Figure S3: Splenic CD8+ T cell gene expression profile after islet allografts. Pancreatic islets from BALB/c mice were transplanted in wild-type (WT, n=5), IFNγ−/− or T-bet−/− (n=7) C57BL/6 mice. Spleen CD8+ T cells were purified on day 18 posttransplant and analyzed for their expression of Tbx21, Eomes, Perforin, Granzyme B and FasLigand mRNAs (*p<0.05, **p<0.01). Relative gene expression (−2ΔΔCt) was calculated using HPRT as the housekeeping gene and CD8+ T cells from unmanipulated C57BL/6 mice as the reference population.
Figure S4: Survival of WT, IFNγ−/− or T-bet−/− CD4+ T cells in a lymphopenic environment. T cells were purified from WT, T-bet−/− and IFNγ−/− C57BL/6 mice, labeled with a violet proliferation dye (VPD450) and injected into RAG−/− C57BL/6 hosts (n=4-5/group). Seven days after cell infusion, proportion of CD4+ T cells was analyzed in the spleen and peripheral lymph nodes (pLN) of recipient mice (pLN) (*p<0.03).