Supplementary figure 1: NOD Thy1.1+ Clone 4 CD8 T-cells survive equally well in both NOD and Idd9 mice. NOD Thy1.1+ Clone 4 T-cells (1x10⁴) were transferred into 7-10 week old NOD (squares) or Idd9 (triangles) mice. After 2, 5, 6.5 or 8 weeks mice were infected with Vac-KdHA and the frequency of Thy1.1+ CD8 T-cells determined in the spleen 7 days later. Between 2 and 14 mice per time point are pooled. Mean +/- SEM is depicted.
Supplementary figure 2: The proportion of CD8 T-cells in the islet infiltrates of NOD and Idd9 mice is similar. Lymphocytes were isolated from the pancreas of 10-16 week old female mice. The frequency of CD8+ cells in the lymphocyte gate is shown (PI negative). Line depicts mean value.
Supplementary figure 3:

Supplementary figure 3: Composition of CD8 and CD4 T-cells at the end of the experiments depicted in figure 5. Purified NOD or Idd9 Thy1.1+ CD8 T-cells (4x10⁶) from 3-week old donor mice were co-transferred with CD8 T-cell-depleted (90% reduction) Thy1.2+ NOD spleen and LN cells (30x10⁶) into NOD-SCID mice. After 10 weeks mice were infected with Vac-IGRP and sacrificed 7 days later. The proportions of Thy1.1+ CD8 T-cells (A) and Thy1.2+ CD4 T-cells (B) in the spleen are shown. Pooled data from two experiments are shown (depicted individually as triangles and circles). Horizontal lines depict mean values.
Supplementary figure 4: Reconstitution of T-cell populations with donor derived cells in bone marrow chimeric mice. Recipient female Thy1.2+ mice were irradiated with 1200R and reconstituted with 7x10^6 T-cell depleted bone marrow cells from Thy1.1+ donor. After 12 weeks the mice were infected with 1x10^7 pfu Vac-IGRP. Splenocytes were analyzed 7 days later for the proportions of total Thy1.1+, Thy1.1+CD4+ and Thy1.1+CD8+ cells. Pooled data from two experiments are shown. Mean +/- SD is shown.
Supplementary figure 5.

Supplementary figure 5: Composition of CD8 and CD4 T-cells at the end of the experiments depicted in figure 7. Purified NOD or *Idd9* non-congenic CD4 T-cells (6-7x10^6) were co-transferred with 1-1.5x10^7 NOD-Thy1.1 or NOD-CD45.2 congenic CD4 depleted spleen and LN cells, isolated from 4-week old donor mice, into NOD-SCID mice. After 10 weeks mice were infected with Vac-IGRP and sacrificed 7 days later. The proportion of non-congenic CD4 T-cells (A) and congenic CD8 T-cells (B) in the spleen is shown. Pooled data from three experiments are shown (depicted individually as triangles, circles and squares) Horizontal lines depict mean values.
Supplementary figure 6: Regulatory T-cell numbers and frequency is equivalent between NOD and Idd9 mice. Spleen and PcLN of female 8 week old mice were analyzed for expression of CD4+CD25+Foxp3+ cells by flow cytometry. Two other experiments examined the frequency of CD4+CD25+CD62L+ regulatory T-cells and no differences were observed. A, C spleen and B, D PcLN depict frequency (A, B) and total number (C, D) of CD4+CD25+Foxp3+ cells.