Supplementary figure 1. FACS absolute cell numbers. Data is presented as means ± SD from at least 6 mice per group, * p<0.05; ** p<0.01 versus control mice.
Supplementary figure 2. Proportions of IgG subclass antibody levels in serum of 6 months old female mice. Data are shown as box plots of n=6 samples per group.
Supplementary figure 3. Effect of GDF15 on macrophages, cDCs and pDCs gene expression and expression of Tlr3, Tlr7 and Tlr9. A: Expression levels of interferon dependent genes in pDCs were quantified by real-time PCR. Data are shown as means of the ratio of the specific mRNA vs. that of Gapdh mRNA, * p<0.05 B: Expression analysis of Tlrs in bone marrow-derived macrophages, cDCs and pDCs isolated from all four strains of mice and stimulated with pIC, CpG and Imiquimod. Expression of selected genes was determined 4 hours post-stimulation. Data represent means ± SEM; * p<0.05; ** p<0.01, *** p<0.001.
Supplementary figure 4 - Gating strategies

Supplementary figure 4 displays the gating ansiestries applied to identify T-, B-, Plasma cells, macrophages and dendritic cells from splenocytes of 6 months of old mice. Cells were isolated from GDF15 deficient and intact C57BL/6lpr/lpr mice as described in materials and methods. A: T- and B-cells as well as macrophages were identified following common singlet cell exclusion (FSC-H vs. FSC-W) and exclusion of dead cells. Respective surface markers were then gated as depicted in A. B: NIR-Zombie fixable viability dye was used to exclude dead cells after staining for intracellular K-light chain. CD138 and k-light chain were then gated as depicted in B.