Supplementary Figure 1. Generation of mice with endothelial cell specific haploinsufficiency and holoinsufficiency of the IGF-1R. A) Cre mediated deletion of exon 3 from the IGF-1R gene using Tie-2 Cre driver mice B) Genotyping of mice with haploinsufficiency and holoinsufficiency of the IGF-1R. C) PCR demonstrating successful deletion of exon 3 of IGF-1R in the endothelium. D) Western blot demonstrating reduced IGF-1R protein in EC specific IGF-1R-/- mice.
Supplementary Figure 2. Response to IGF-1 in aortic rings from mice with endothelial cell haploinsufficiency and holoinsufficiency of the IGF-1R. A) IGF-1 mediated aortic relaxation is blunted in mice with haploinsufficiency of the IGF-1R and B) mice with holoinsufficiency of the IGF-1R. * denotes P< 0.05.
Supplementary Figure 3. A) Fasting glucose and B) Area under insulin tolerance curves in wild type, IR$^{+/}$, IGF-1R$^{+/}$ and IR$^{+/}$/IGF-1R$^{+/}$ mice.