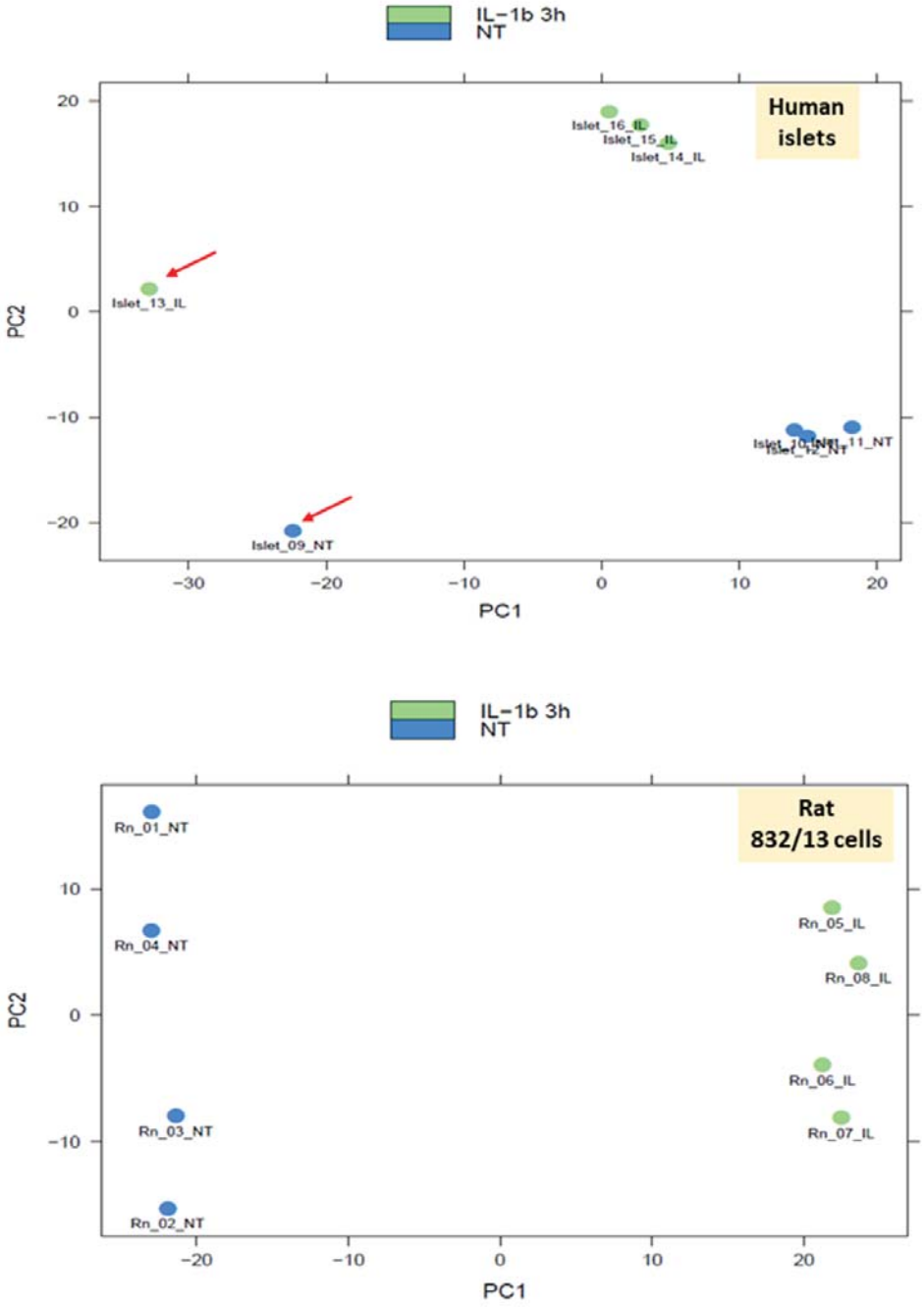
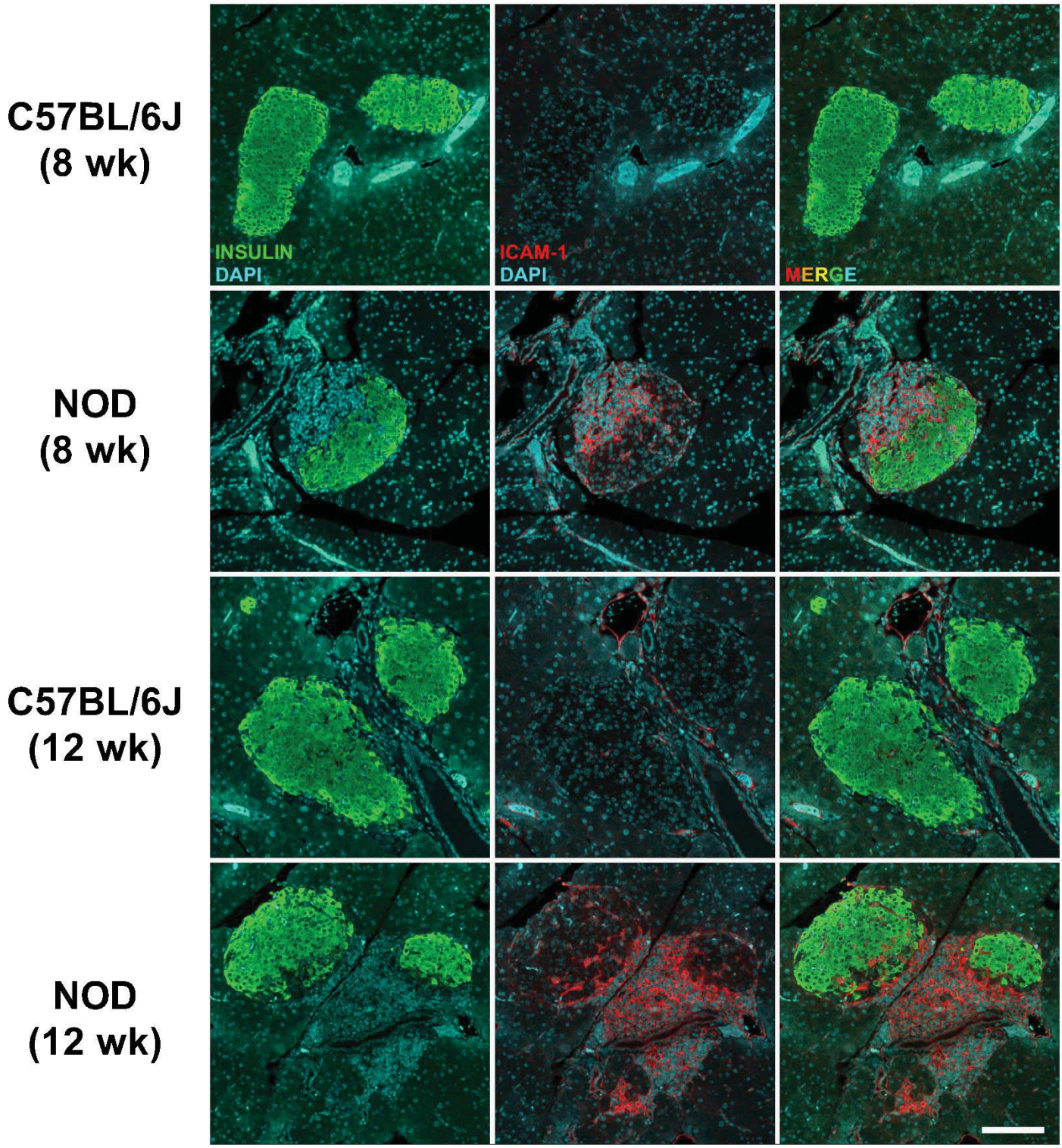
Supplementary Figure 1



Supplementary Figure 1. Principal components analysis was performed on variance stabilized RNAseq count data (generated via DESeq2 software) on 11720 genes across 20 samples. The scatterplot shows the location of samples along the first 2 principal components, along with the percent of total variation explained by each component. Samples are color coded according to the treatment groups (blue, NT; green, IL-1β). Red arrows indicate outliers that were excluded from the final analysis.

Supplementary Figure 2



Supplementary Figure 2. Expression of ICAM-1 in Mouse Panceatic Tissue. Pancreatic tissue from normoglycemic female C57BL/6J and NOD mice were collected at 8 and 12 weeks of age. Formalin-fixed paraffin embedded sections were sectioned and stained with antibodies against insulin (green) and ICAM-1 (red). The single channel and the merged images are shown. The scale bar in the lower right hand panel represents 100 microns.

Supplementary Table 1_PCR Primers and Conserved DNA Sequences

Cloning	Forward Sequence	Reverse Sequence
Icam1 -3kb	TGTAGAGCTCGCTCTTAATTGCTGAACCAC	CATAAGCTTATTGGAGGACCAGGGCAAA
Icam1 -1kb	TTAAGGTCATCCTCAGTTACCG	CATAAGCTTATTGGAGGACCAGGGCAAA
κB4m	GATGATCCCTGCAGGA**gg**TTCCCATATTCAGATC	GATCTGAATATGGGAA**cc**TCCTGCAGGGATCATC
κB3m	CATCCCCGTGGAA**gg**TCCTCAGGAATACC	GGTATTCCTGAGGA**cc**TTCCACGGGGATG
κB2m	GTCAAGTGGGTGG**tt**CATGGCCCTAGGGAGAG	CTCTCCCTAGGGCCATG**aa**CCACCCACTTGAC
κB1m	CTTCAGTTTGGAA**gg**TCCTGGGTCGCAGG	CCTGCGACCCAGGA**cc**TTCCAAACTGAAG
GASm	CGAGGTTTCCGGG**tg**AGTGGCCCCAAC	GTTGGGGCCACT**ca**CCCGGAAACCTCG

RT-PCR	Forward Sequence	Reverse Sequence
Rs9	TCCGGAACAACCGTGAGG	TCCAGCTTCATCTTGCCC
Human ICAM1	GGCTGGAGCTGTTTGAGAAC	ACTGTGGGGTTCAACCTCTG
Mouse Icam1	TTCACACTGAATGCCAGCTC	GTCTGCTGAGACCCCTCTTG
Rat Icam1	CACCCACCTCACAGGGTACT	GTCTGCTGAGACCCCTCTTG

ChIP	Forward Sequence	Reverse Sequence
κB4	TTCTGTGTCGCTGCTCCATT	TGTGAAGTGGGCACCATCCG
κB3	CCCCTTCCCCCAAGATCAAA	CGCCTGAAGCCTGGGTATTC
κB3	TGCTCGGAAAATCTCTAGCGT	TCAGAGGTGTCCCTCTCCCT
κB2	CCCCACATGTCATTACTTCAGTT	GTGGTCCTGCCTCGCTG
κB1	AAATACCGAAGCCCTCATTCC	AGGGGCGGTGCTGTT
TSS	AAGCTGCGTGCGGTCT	GCCTGGCACGGGTTGAA
5kb	AGCTGGCTTCGGCTTTGAA	GGCCTTTAGGCTTCCCTGTA
10kb	GTCTCAGAAGGGGACCAAGTA	GGGAAGTACCCTGTGAGGTG

Supplementary Table 2_Antibodies

Antibody	Application	Company	Catalog #
IgG	ChIP	Sigma Aldrich	I8140
p65	ChIP	Cell Signaling Technology	CST-8242
RNA Pol II CTD repeat phospho S5	ChIP	Abcam	ab5131
RNA Pol II CTD repeat phospho S2	ChIP	Abcam	ab5095
Histone H3K4me1	ChIP	Diagenode	C15310037
Histone H3K4me3	ChIP	Diagenode	C15310003
Histone H3K4ac	ChIP	Diagenode	C15410322
Icam1	Immunoblot	R&D Systems	AF583
iNOS	Immunoblot	Cayman Chemical	160862
β-Actin	Immunoblot	Cell Signaling Technology	CST-3700