Gene Names / Relative Expression Values
Supplement Figure 1. Verification and comparison of gene expression data obtained from microarray analyses with quantitative real-time (rt)-PCR. rt-PCR were carried out on a randomly selected set of genes that showed differential gene expressions by microarray. Primer sequences used are: Col1a1 (forward) 5'-TTC TCC TGG CAA AGA CGG ACT CAA-3', (reverse) 5'-AGG AAG CTG AAG TCA TAA CCG CCA-3'; Col4a1 (forward) 5'-TCC ACA AGG TTC ACC AGG GCT TAT-3', 5'-ACC TGG GTC TCC TTT GTC ACC TTT-3'; Col18A1 (forward) 5'-AGC AAT GCA TTT GTG GAG TCT GGC-3', (reverse) 5'-ACC TCT CCT TTG TCA CCC TTT GGT-3'; Eln (forward) 5'-AAG ATG GTG CAC ACC TTT GTT GGG-3', (reverse) 5'-TCC ATC GTC AAG GCT TCC GGC CGA GAA-3'; Agrn (forward) 5'-AGT GTG TCT GCC CAA CTC TCA CAT-3', (reverse) 5'-GCA ATG GTC TTC AGC TGG CAT TCA-3'; Fnn (forward) 5'-ATC ACA GTA GTT GCG GCA GGA GAA-3', (reverse) 5'-TGT CAT AGT CAA TGC CAG GCT CCA-3'; Thbs1 (forward) 5'-ATC GCG AAG CTA TCC AGT TCT-3', (reverse) 5'-TGA AGT GAA GGA CAA TGG GTC-3'; Thbs2 (forward) 5'-ATG GCT CAC TTA CCC TCA GTG CTT-3', (reverse) 5'-TGA CTG CAG CCG AGT TCA CCT GGC ATT TGC-3'; Itgb1 (forward) 5'-AAT CCA TGC CAG GGA CTG ACA GAA-3', (reverse) 5'-CGT GGC ATT TGC ATT CTC CAC AGT-3'; Itgb5 (forward) 5'-ATC TAC GGA CCT TTC TGC GAG TGT-3', (reverse) 5'-GCT GAG CTG CGT CCT TGC GAG TGT-3'; Ptk2 (forward) 5'-GCA GTC GGT CTG GAA AGG CTG GGC CTT-3', (reverse) 5'-TTA TGC CGA GAT GGG CTG TCA GGA-3'; Ptk2 (forward) 5'-GCT GAT CCA GCA AAC ATT CAG GCA-3', (reverse) 5'-GGG CAC ACT TGA AGC ACT TGG TGT-3'; Mapk3 (forward) 5'-TCA ACC CAA ACA AGC GCA TCA CAG-3', (reverse) 5'-TCC AGC TCC ATG TCG AAG GTG AAT-3'; Cspg6 (forward) 5'-AAT GTC ATC GTG GGC AGA AAT GGC-3', (reverse) 5'-TGC TCT GGA CGA AGA TGG CTG AAT-3'; Pxn (forward) (reverse) . (a) Gene expression data in the lacrimal glands of 12 wk old C57BL/6J male mice. (b) Gene expression data in the lacrimal glands of C57BL/6.NOD-Aec1Aec2 male mice at 4 versus 12 wks of age. (c) Temporal changes in gene expressions between 4 and 12 wks of age in C57BL/6.NOD-Aec1Aec2 male mice by microarray.