

Supplemental Table S6: The ten most increased and decreased DEG.***A. Ten most increased in KC samples**

Gene symbol	Gene name	KC	KJ
<i>LRRC15</i>	Leucine Rich Repeat Containing 15	+	-
<i>COL3A1</i>	Collagen Type III Alpha 1 Chain	+	-
<i>COL1A1</i>	Collagen Type I Alpha 1 Chain	+	-
<i>TMEM119</i>	Transmembrane Protein 119	+	-
<i>MMP11</i>	Matrix Metalloproteinase 11	+	-
<i>TNC</i>	Tenascin C	+	-
<i>C3</i>	Complement C3	+	-
<i>THBS2</i>	Thrombospondin 2	+	+
<i>TNFRSF11B</i>	TNF Receptor Superfamily Member 11b	+	-
<i>FN1</i>	Fibronectin 1	+	-

B. Ten most increased in KJ samples

Gene symbol	Gene name	KC	KJ
<i>S100A9</i>	S100 Calcium Binding Protein A9	-	+
<i>S100A8</i>	S100 Calcium Binding Protein A8	-	+
<i>AOC1</i>	Amine Oxidase Copper Containing 1	-	+
<i>MAB21L1</i>	Mab-21 Like 1	-	+
<i>LGALS9C</i>	Galectin 9C	-	+
<i>CLIC3</i>	Chloride Intracellular Channel 3	-	+
<i>ADAMTS14</i>	ADAM Metalloproteinase with Thrombospondin Type 1 Motif 14	-	+
<i>KRT78</i>	Keratin 78	-	+
<i>LYPD2</i>	LY6/PLAUR Domain Containing 2	+	+
<i>LCN2</i>	Lipocalin 2	-	+

C. Ten most decreased in KC and KJ samples

Gene symbol	Gene name	KC	KJ
<i>HSPA6</i>	Heat Shock Protein Family A (Hsp70) Member 6	+	+
<i>IL1A</i>	Interleukin 1 Alpha	+	+
<i>CA3</i>	Carbonic Anhydrase 3	+	+
<i>PLAUR</i>	Plasminogen Activator, Urokinase Receptor	+	+
<i>FOSL1</i>	FOS Like 1, AP-1 Transcription Factor Subunit	+	+
<i>ATF3</i>	Activating Transcription Factor 3	+	+
<i>HMOX1</i>	Heme Oxygenase 1	+	+
<i>CXCL1</i>	C-X-C Motif Chemokine Ligand 1	+	-
<i>DUSP5</i>	Dual Specificity Phosphatase 5) is a Protein Coding gene	+	+
<i>SERPINB2</i>	Serpin Family B Member 2) is a Protein Coding gene	+	+
<i>CXCL8</i>	C-X-C Motif Chemokine Ligand 8	-	+
<i>LIF</i>	LIF Interleukin 6 Family Cytokine	-	+
<i>NR4A1</i>	Nuclear Receptor Subfamily 4 Group A Member 1	+	+
<i>AREG</i>	Amphiregulin	+	+
<i>SLC2A3</i>	Solute Carrier Family 2 Member 3	+	+

*+ and – refer to statistically significant and not significant results in each sample set.