

S7 Table. Top 50 enriched GO terms associated with genes differentially expressed in *Lrp5*^{KO} osteoblasts compared to *WT* osteoblasts

Genes up-regulated in <i>Lrp5</i>^{KO} Osteoblasts			
GO ID	Enriched Biological Process	No. genes	FDR
GO:0006952	defense response	39	1.16E-11
GO:0080134	regulation of response to stress	37	4.97E-11
GO:0002684	positive regulation of immune system process	29	1.25E-10
GO:0006954	inflammatory response	25	1.61E-10
GO:0031347	regulation of defense response	25	2.99E-09
GO:0050727	regulation of inflammatory response	17	5.48E-09
GO:0032101	regulation of response to external stimulus	27	5.79E-09
GO:1903034	regulation of response to wounding	19	9.18E-09
GO:0032103	positive regulation of response to external stimulus	16	2.16E-08
GO:0051270	regulation of cellular component movement	24	2.69E-08
GO:0006955	immune response	32	3.42E-08
GO:0030334	regulation of cell migration	22	4.70E-08
GO:0002682	regulation of immune system process	31	4.70E-08
GO:0030335	positive regulation of cell migration	17	1.34E-07
GO:2000145	regulation of cell motility	22	1.34E-07
GO:0016477	cell migration	28	1.34E-07
GO:2000147	positive regulation of cell motility	17	1.88E-07
GO:0051674	localization of cell	29	2.01E-07
GO:0048870	cell motility	29	2.01E-07
GO:0051272	positive regulation of cellular component movement	17	2.36E-07
GO:0040017	positive regulation of locomotion	17	2.81E-07
GO:0031349	positive regulation of defense response	16	4.14E-07
GO:0040012	regulation of locomotion	22	4.68E-07
GO:0002687	positive regulation of leukocyte migration	10	4.76E-07
GO:0050729	positive regulation of inflammatory response	10	5.71E-07
GO:0009611	response to wounding	23	5.98E-07
GO:0002685	regulation of leukocyte migration	11	6.52E-07
GO:0050900	leukocyte migration	15	6.52E-07
GO:1903036	positive regulation of response to wounding	11	1.22E-06
GO:0030595	leukocyte chemotaxis	11	2.24E-06
GO:0040011	locomotion	30	2.49E-06
GO:0060326	cell chemotaxis	12	2.64E-06
GO:0002690	positive regulation of leukocyte chemotaxis	8	3.24E-06
GO:0006928	movement of cell or subcellular component	31	3.80E-06
GO:0097529	myeloid leukocyte migration	10	5.77E-06
GO:0046849	bone remodeling	8	6.00E-06
GO:0046903	secretion	24	7.94E-06
GO:0009612	response to mechanical stimulus	11	9.63E-06
GO:0002688	regulation of leukocyte chemotaxis	8	1.53E-05

GO:0032940	<i>secretion by cell</i>	22	1.62E-05
GO:1901700	<i>response to oxygen-containing compound</i>	27	2.25E-05
GO:0032963	<i>collagen metabolic process</i>	8	3.90E-05
GO:0042127	<i>regulation of cell proliferation</i>	27	4.03E-05
GO:0044259	<i>multicellular organismal macromolecule metabolic process</i>	8	5.06E-05
GO:0010035	<i>response to inorganic substance</i>	15	5.06E-05
GO:0050921	<i>positive regulation of chemotaxis</i>	8	5.78E-05
GO:0048771	<i>tissue remodeling</i>	9	6.85E-05
GO:0002548	<i>monocyte chemotaxis</i>	6	8.97E-05
GO:0009607	<i>response to biotic stimulus</i>	20	9.05E-05
GO:0045087	<i>innate immune response</i>	18	9.32E-05