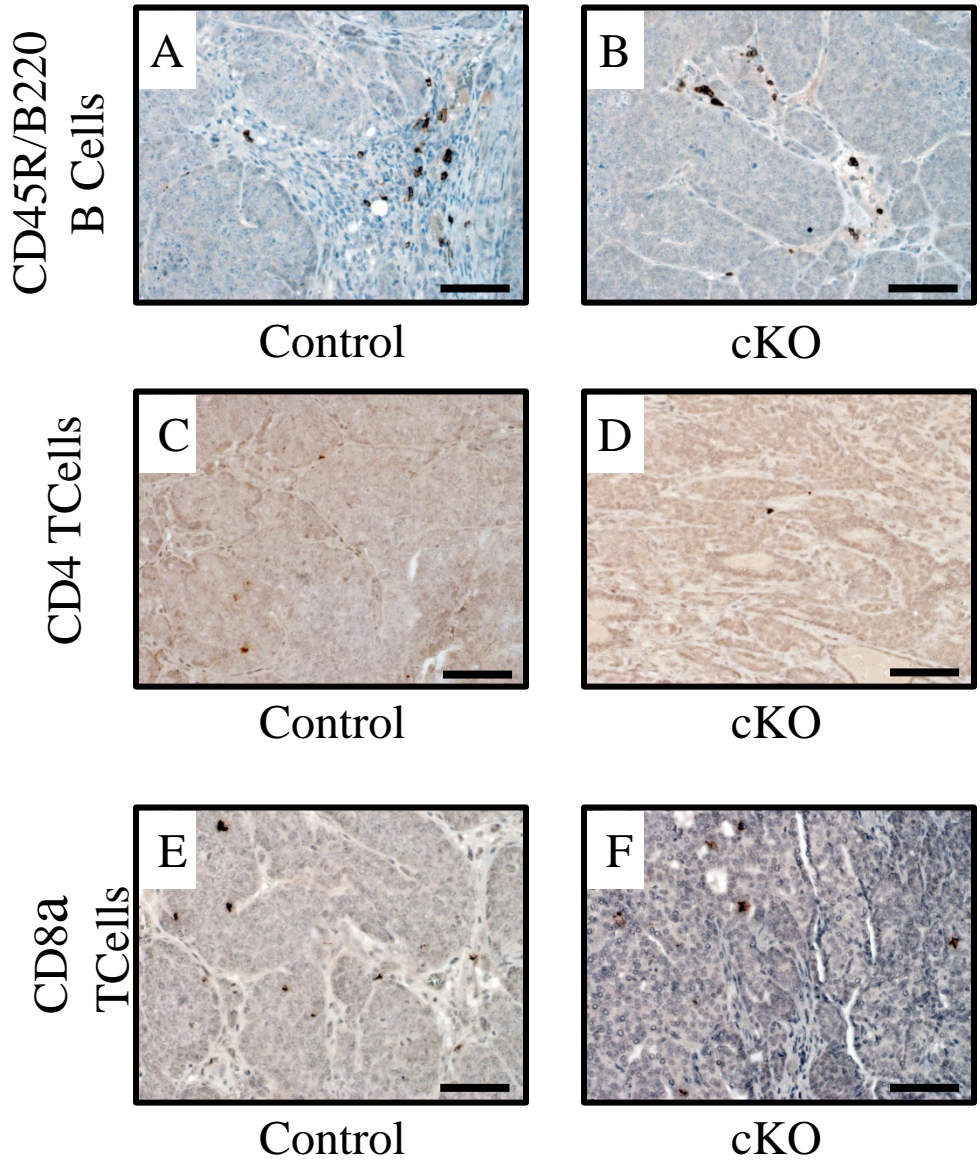
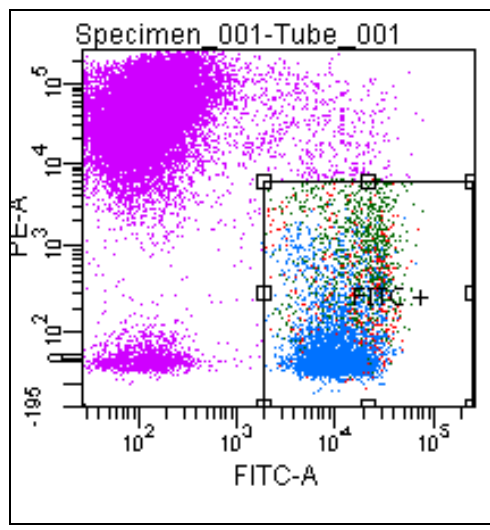


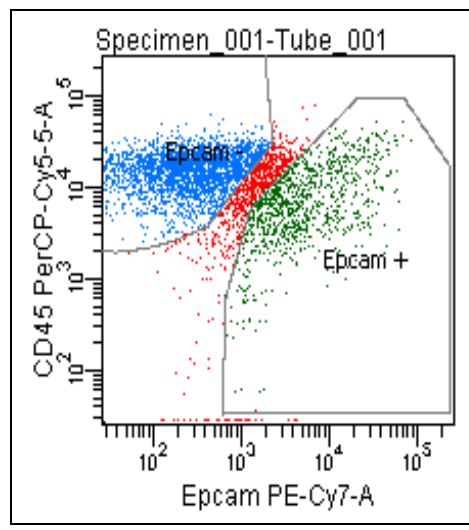
Supplemental Figure 1 Owens



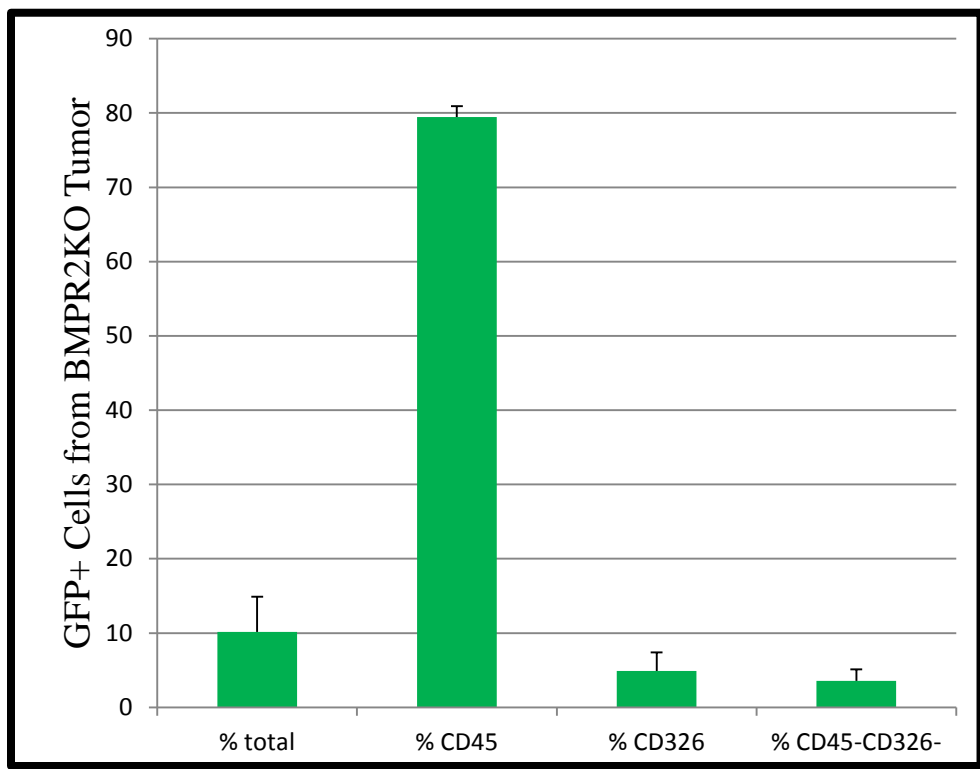
A



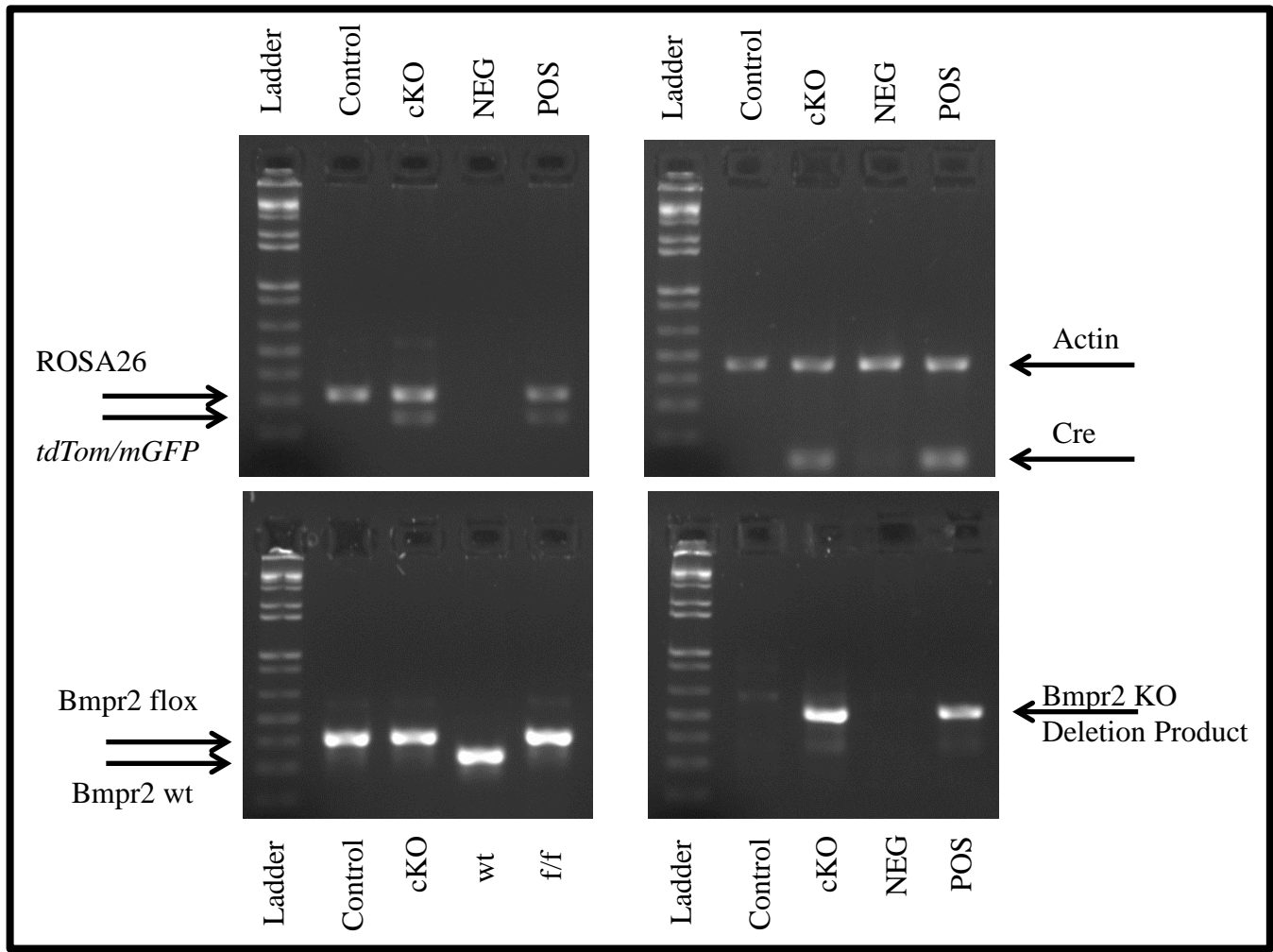
B



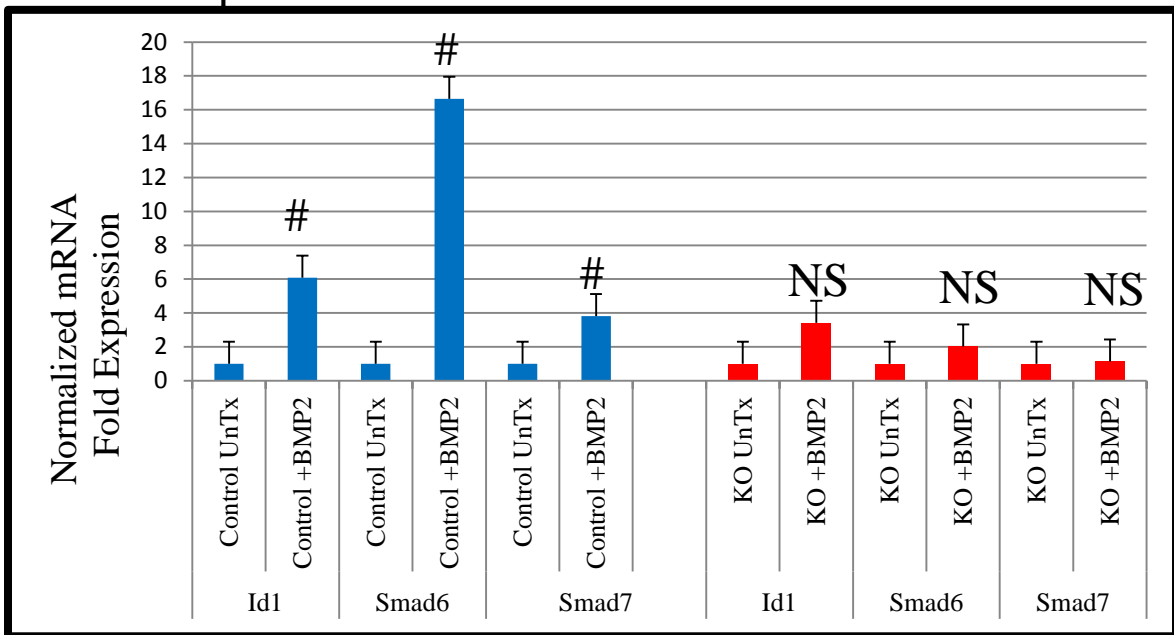
C



A PCR Genotyping of cell lines

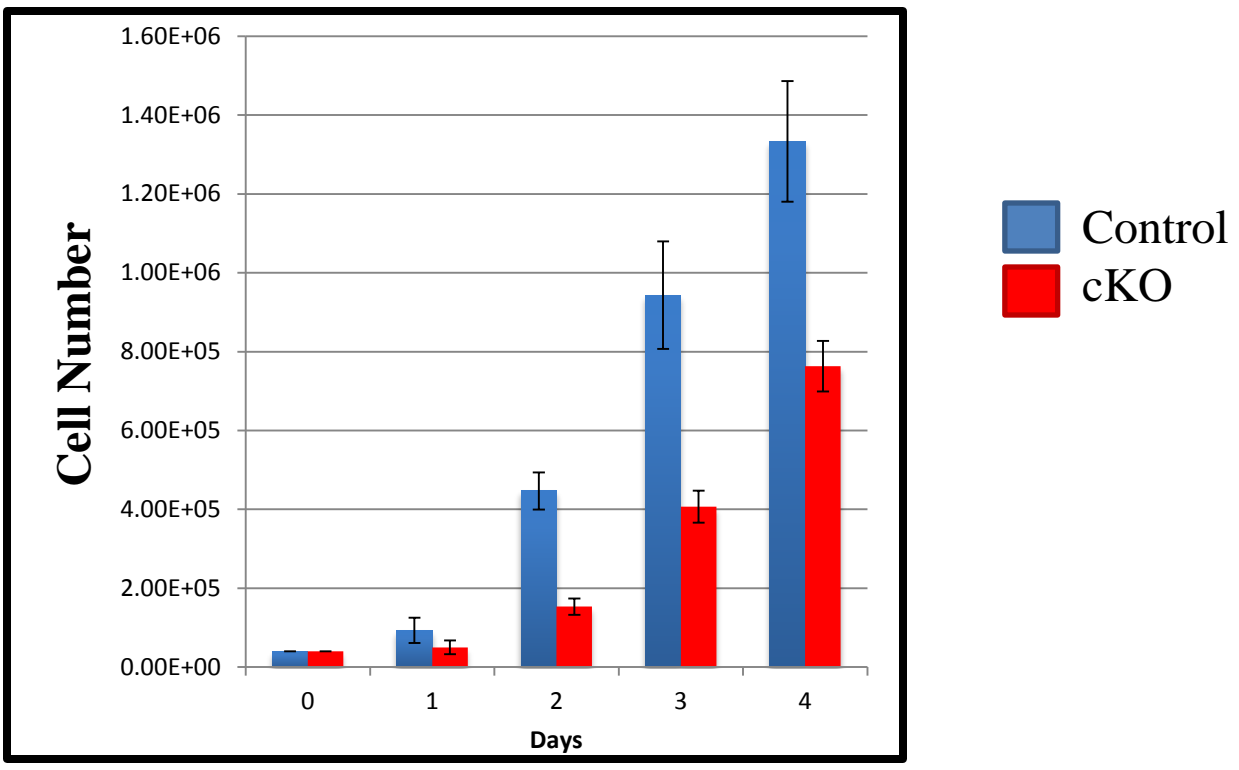


B Cell line qPCR characterization

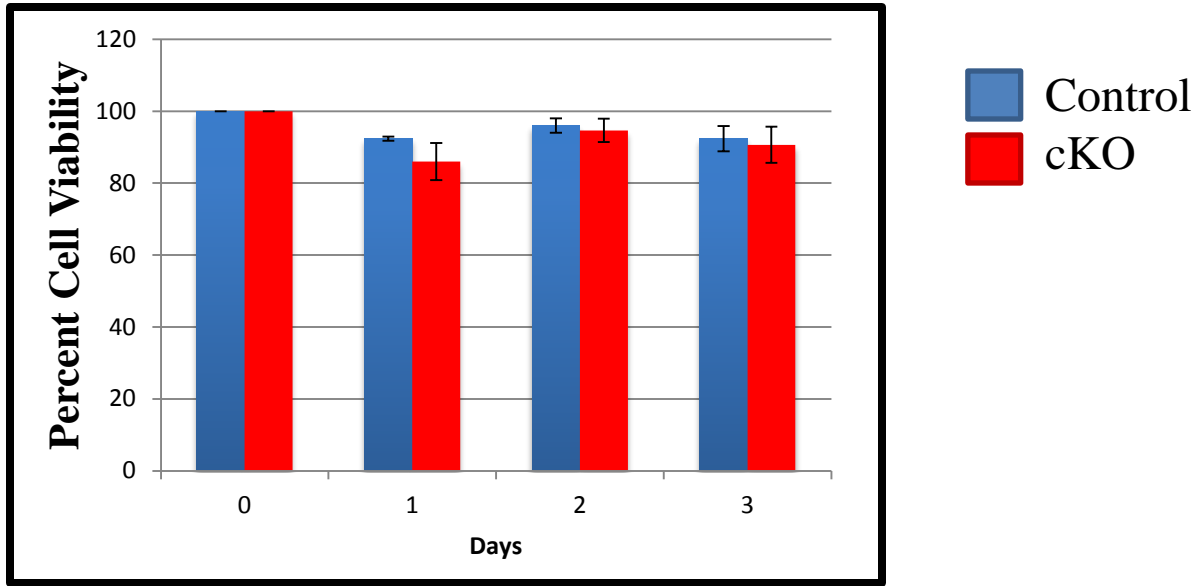


Supplemental Figure 4 Owens

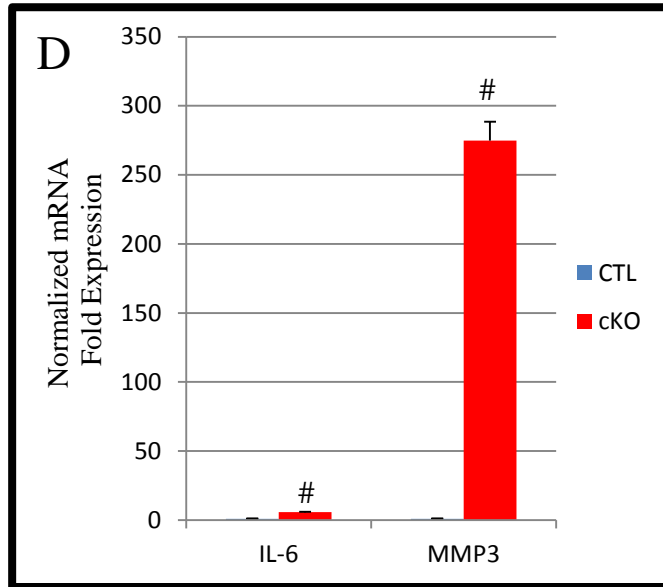
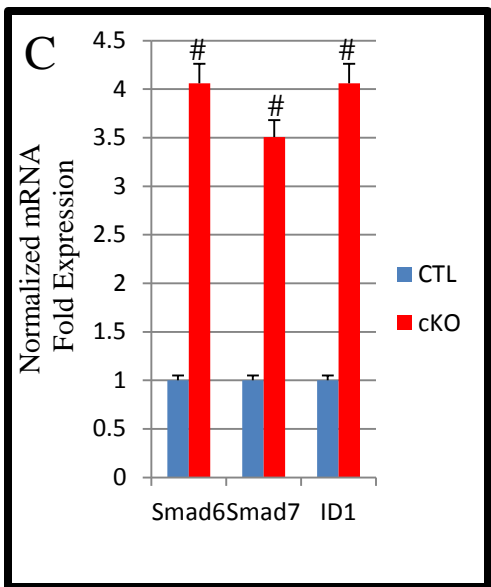
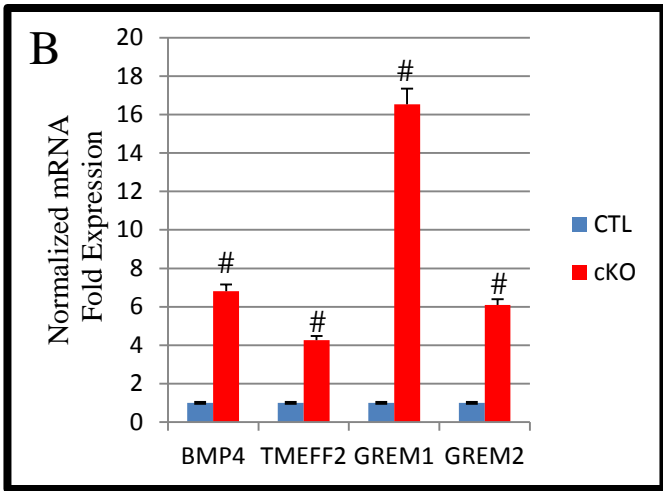
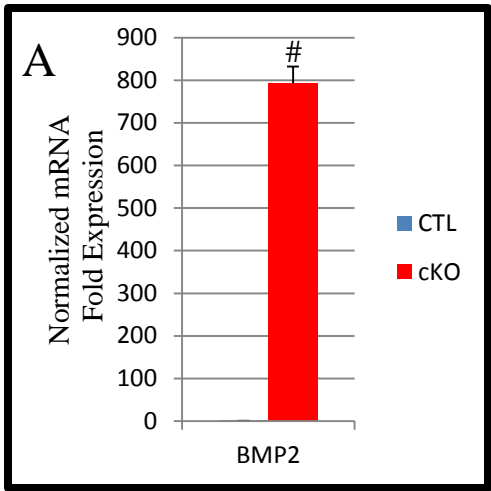
A



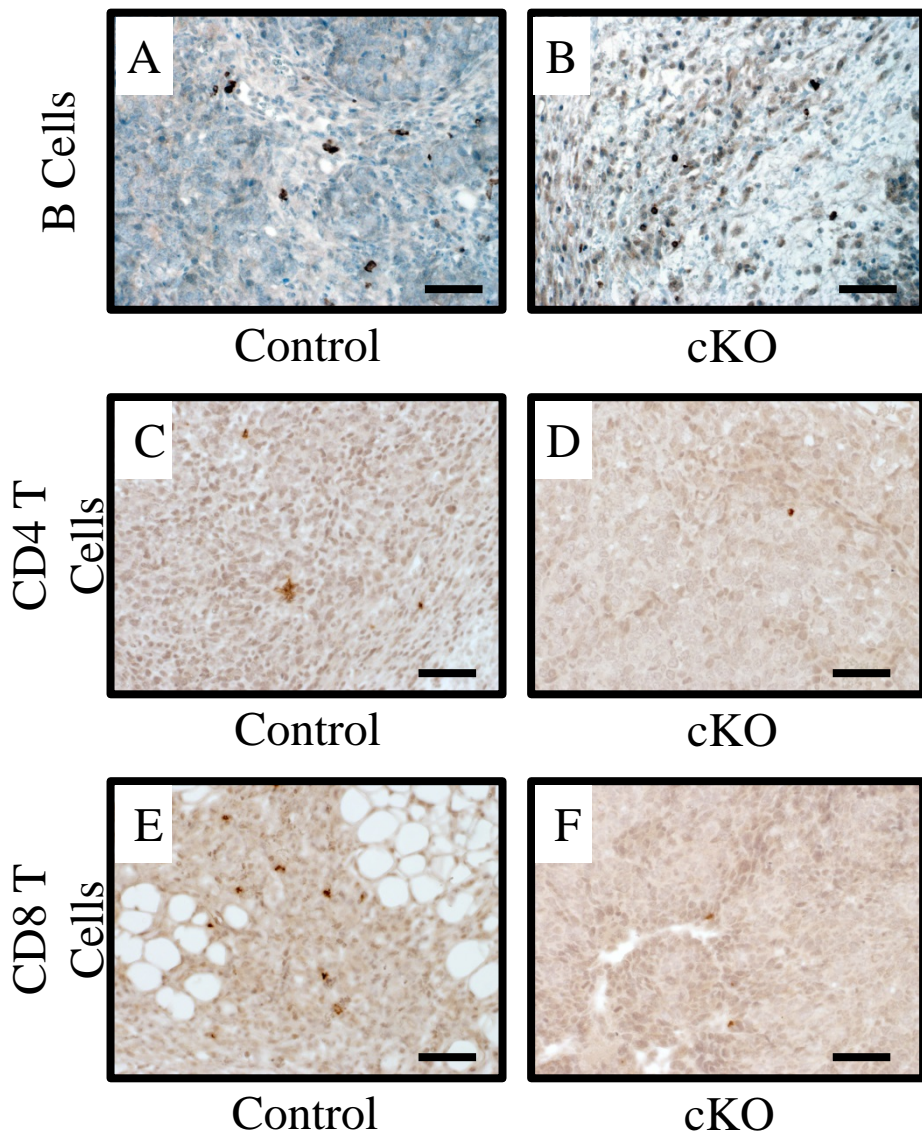
B



Supplemental Figure 5 Owens



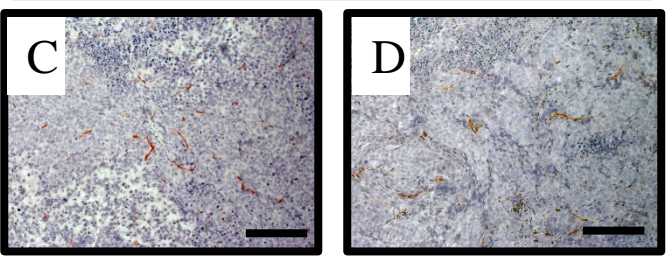
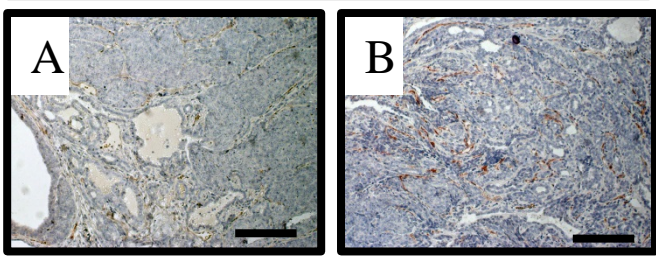
Supplemental Figure 6 Owens



MECA-32

Spontaneous

Implants



Control

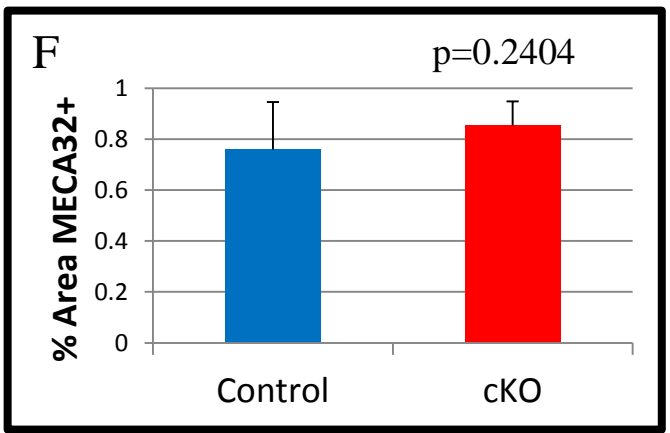
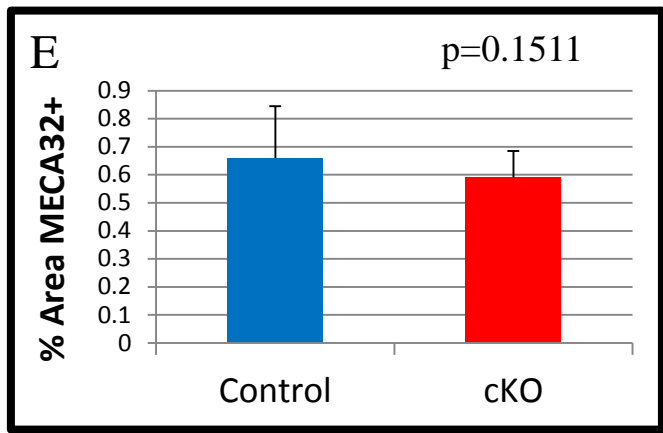
cKO

Control

cKO

Spontaneous

Implants



Supplemental Table 1 Owens

<u>Gene Symbol</u>	<u>Fold Regulation</u>	-	<u>Gene Symbol</u>	<u>Fold Regulation</u>
Tollip	427.565		Apol7a	-19.4271
Prl	194.0117		Il31ra	-15.1369
Il13ra2	190.019		Il20ra	-5.7757
Gfra2	156.498		Ephx2	-5.5022
Nos2	91.1392		Ppbp	-4.7568
Gfra2	156.498		Fpr1	-4.3169
Bmp2	86.8227			
Tnfsf9	81.0084			
Cxcl10	56.1028			
Il16	44.9422			
Gdf7	38.8542			
Ccl5	33.1285			
Tnfaip6	22.6274			
Tlr2	18.3792			
Lif	18.2522			
Cd40	14.5203			
Fgf10	16.1113			
Cxcl1	13.2691			
Ptgs2	11.0043			
Cxcl16	10.5561			
Cxcl5	9.9177			
Cxcl9	9.0631			

Supplemental Table 2 Owens

<u>Gene</u>	<u>Forward Primer Sequence</u>	<u>Reverse Primer Sequence</u>
<i>Gapdh</i>	CACCCAGCAAGGACACTGAGCAAG	GGGTCTGGGATGGAAATTGTGAGG
<i>Id1</i>	AGCTGTTCGCTGAAGGCGGG	TGGCCACGCTTTGCTCCGAC
<i>Smad6</i>	TGGTCCCTCGCGGACTGAGG	GCCTGTCGTCGAAGGGGCAC
<i>Smad7</i>	CTCCTCCGCGGAAACCGGG	TGCCACCACGCACCAGTGTG
<i>G-csf</i>	ATGGCTCAACTTTCTGCCAG	CTGACAGTGACCAGGGGAAC
<i>Ccl5</i>	GCTGCTTTGCCTACCTCTCC	TCGAGTGACAAACACGACTGC
<i>Bmp2</i>	GGGACCCGCTGTCTTCTAGT	TCAACTCAAATTCGCTGAGGAC
<i>Bmp4</i>	TTCCTGGTAACCGAATGCTGA	CCTGAATCTCGGCGACTTTTT
<i>Tmeff2</i>	CTGGCGAGACCAGTCAGAAG	ATGTTGCACACACACCAGACA
<i>Grem1</i>	AAGCGAGATTGGTGCAAACT	GAAGCGGTTGATGATAGTGCG
<i>Grem2</i>	TGTGCTGGTAAAGGTAGCTGA	CCACCTCTCTGAGTTGTTGCT
<i>Il6</i>	TAGTCCTTCCTACCCCAATTTCC	TTGGTCCTTAGCCACTCCTTC
<i>Mmp3</i>	GGCCTGGAACAGTCTTGGC	TGTCCATCGTTCATCATCGTCA