

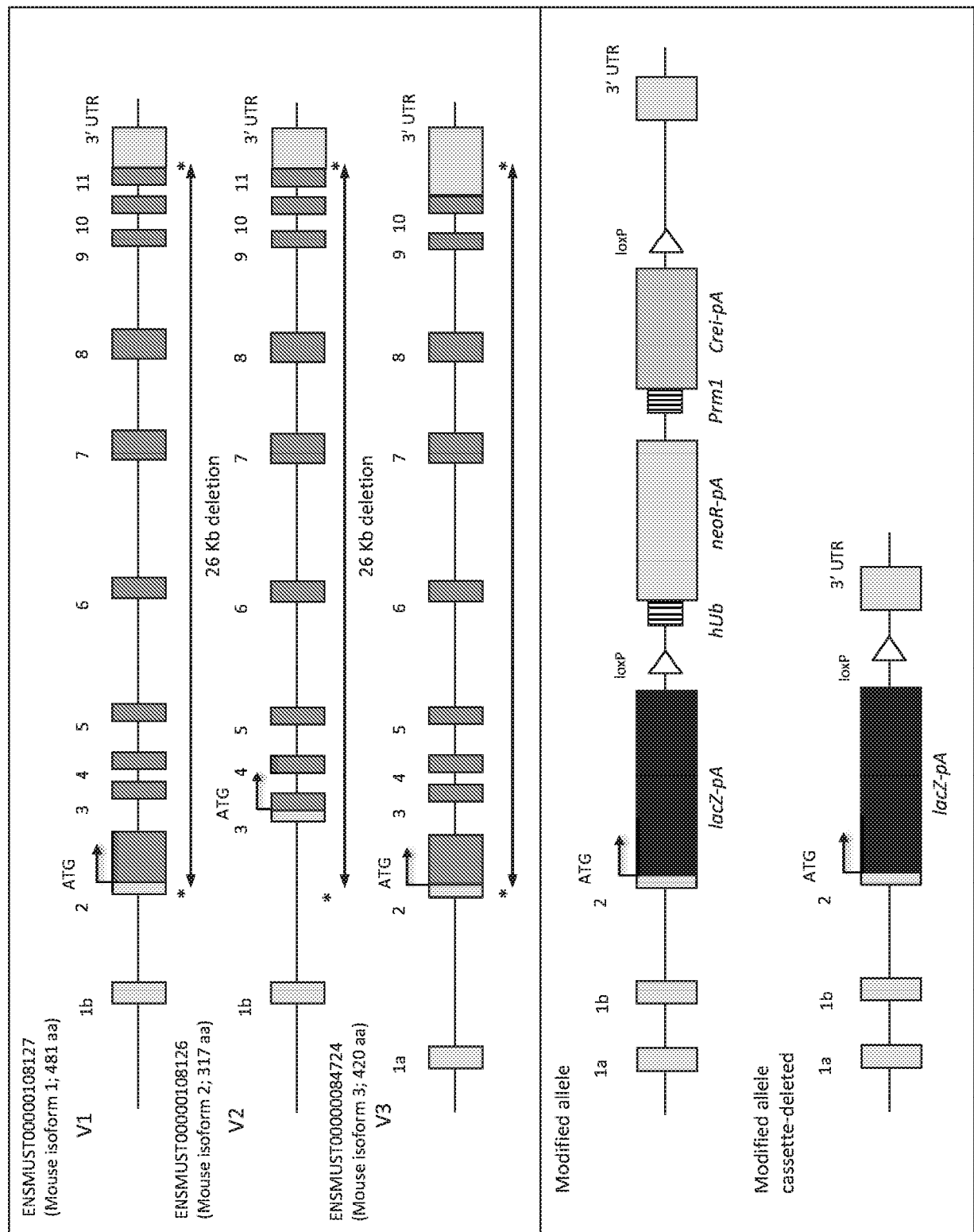


Figure 1A

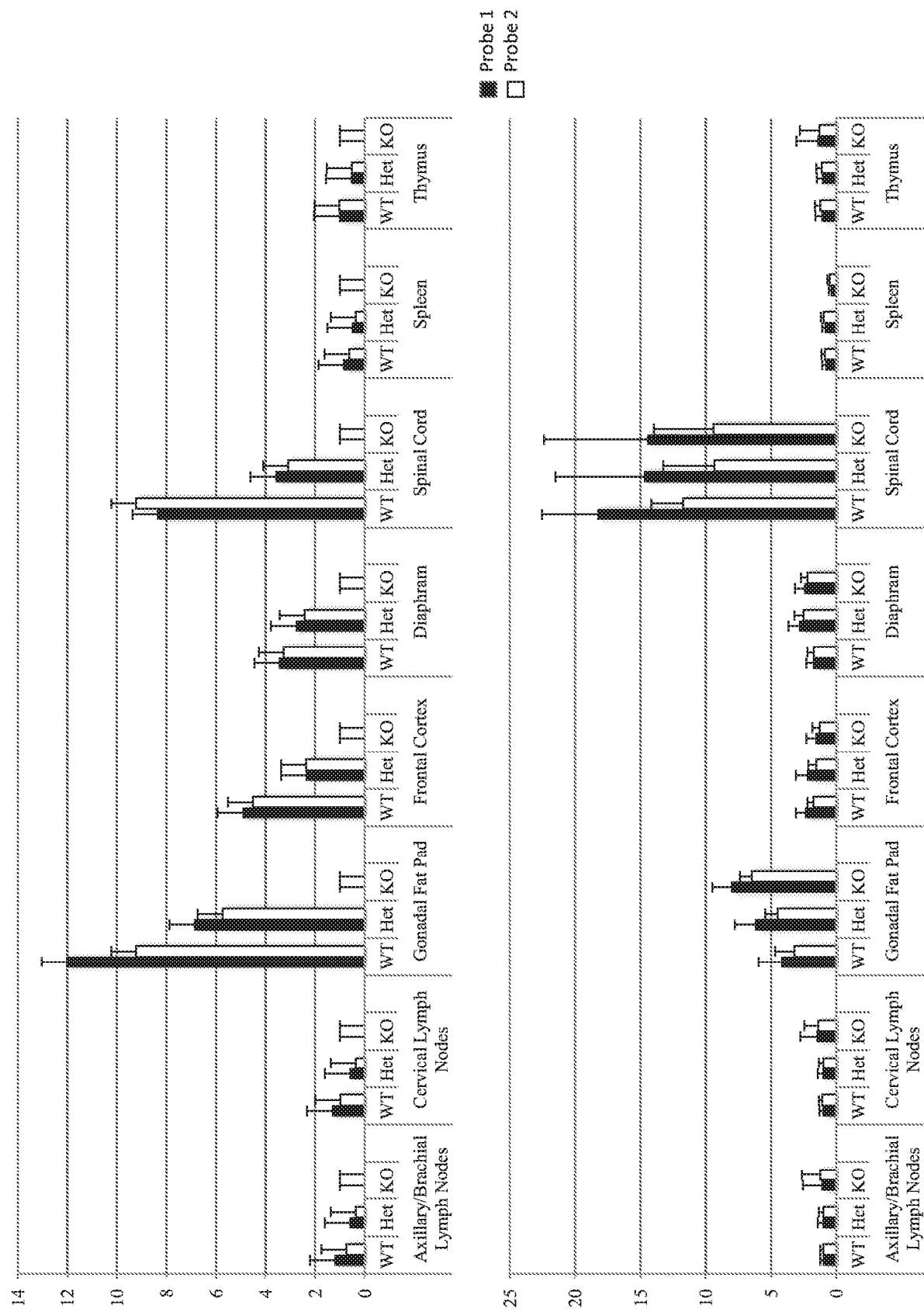


Figure 1B

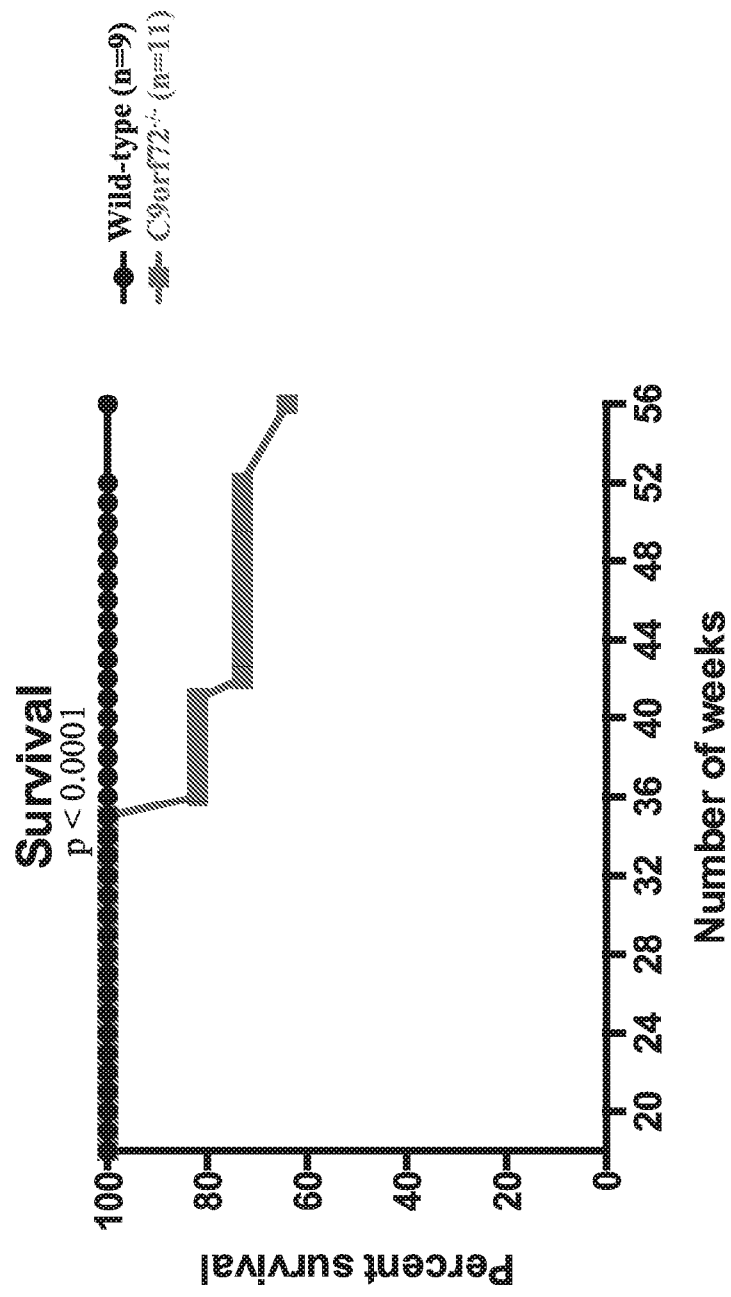


Figure 2A

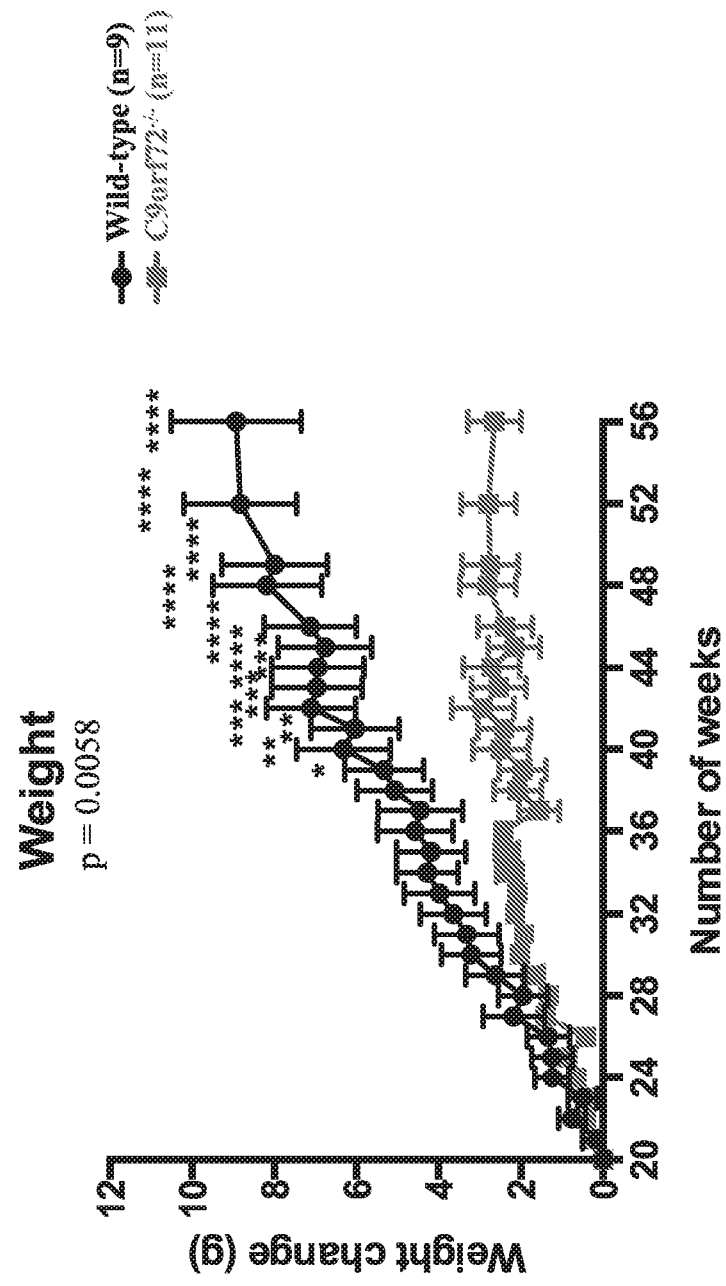


Figure 2B

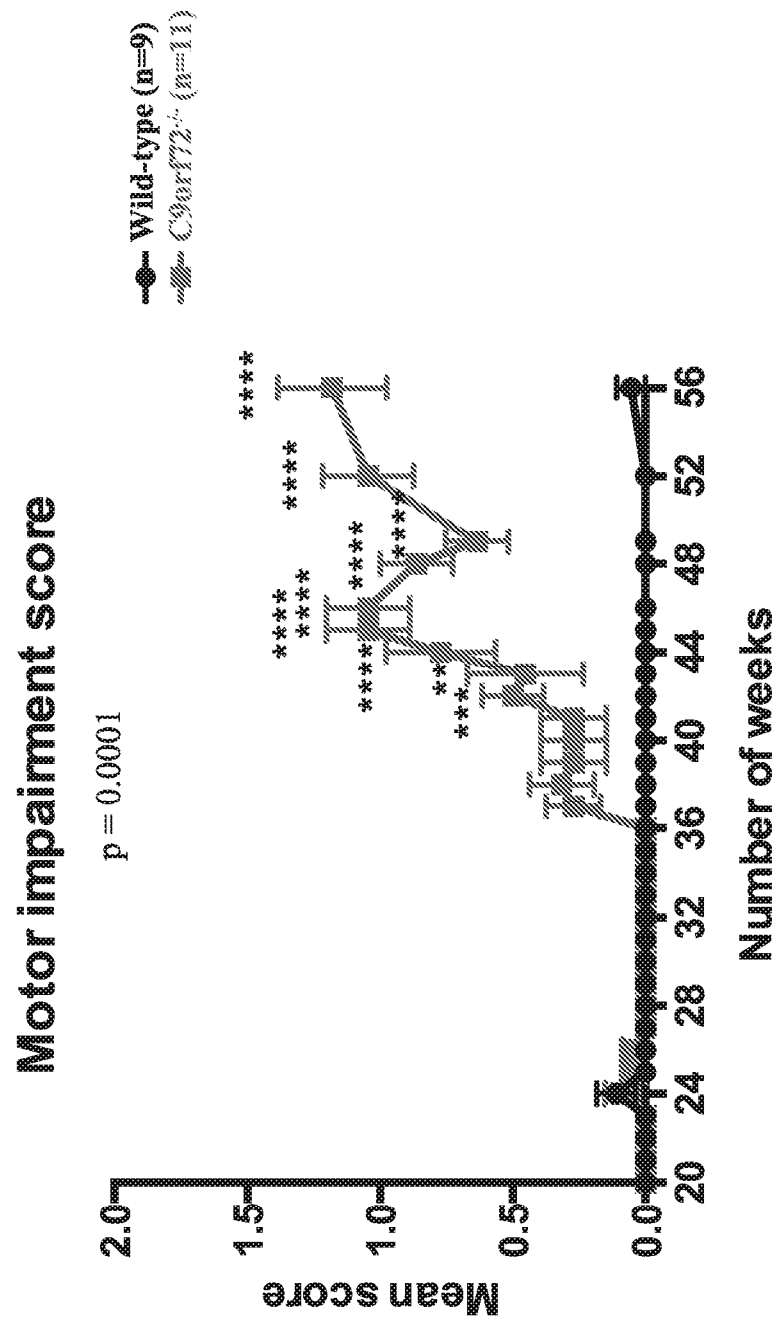


Figure 2C

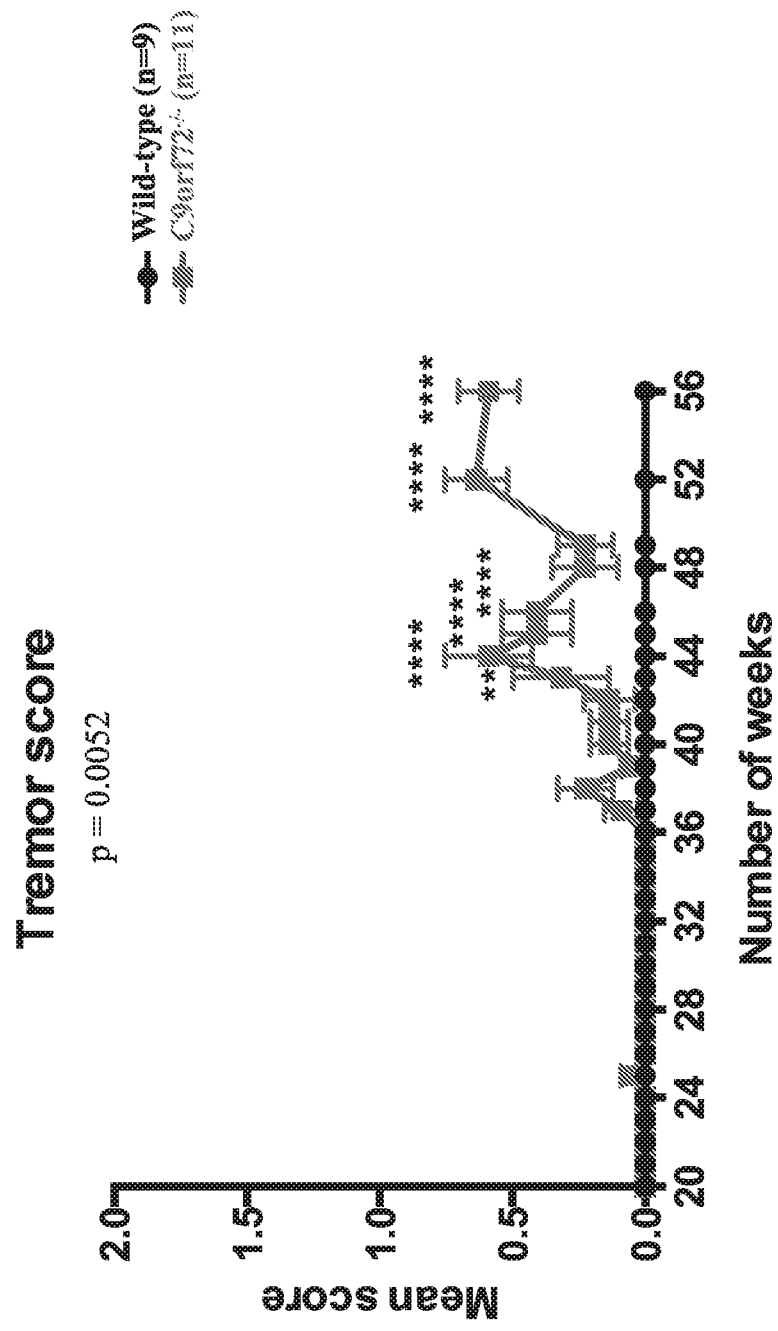


Figure 2D

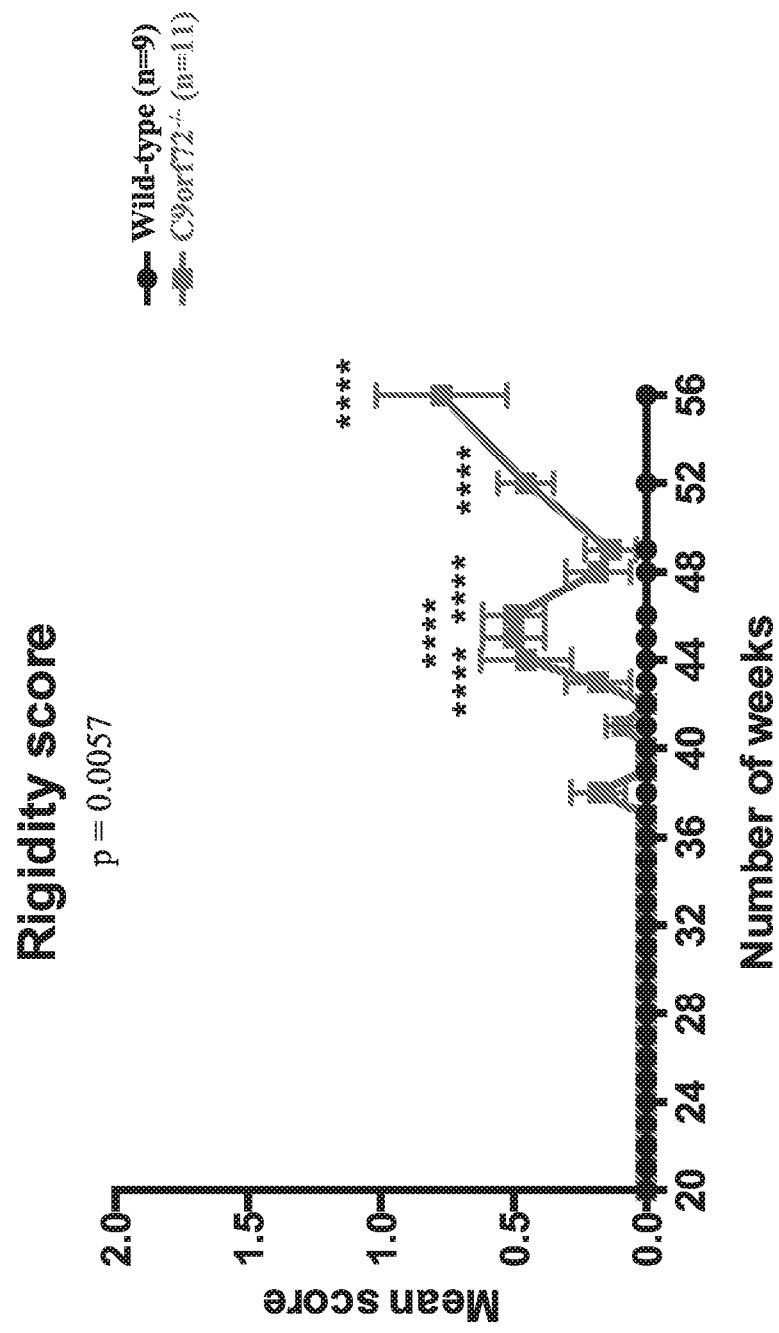


Figure 2E

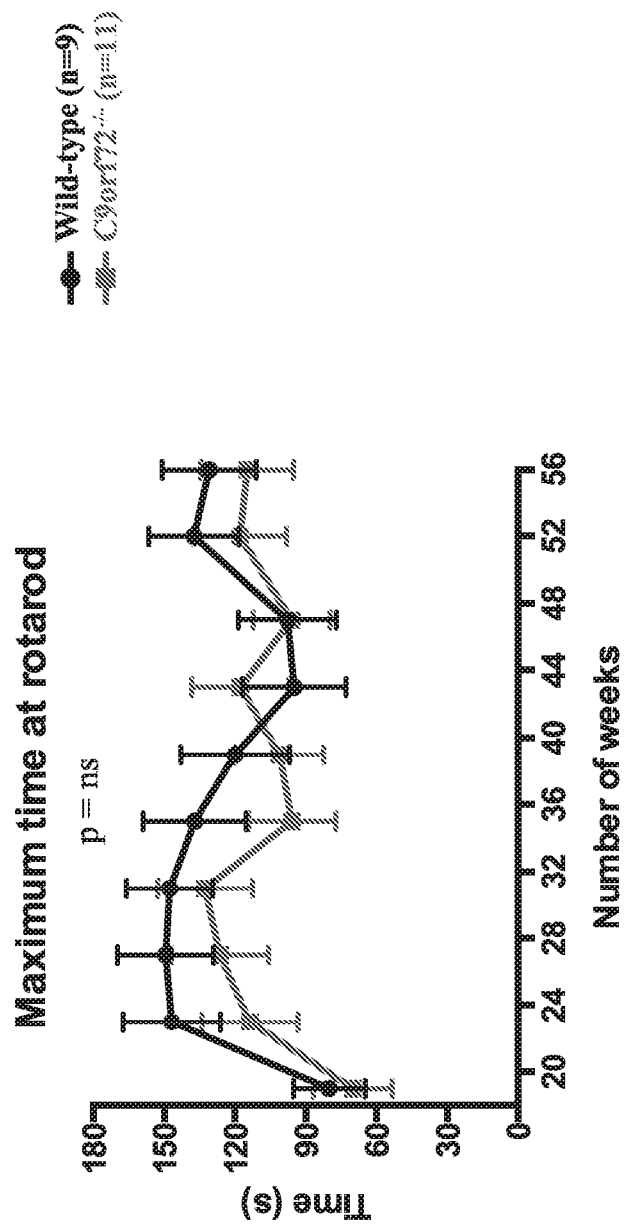


Figure 2F

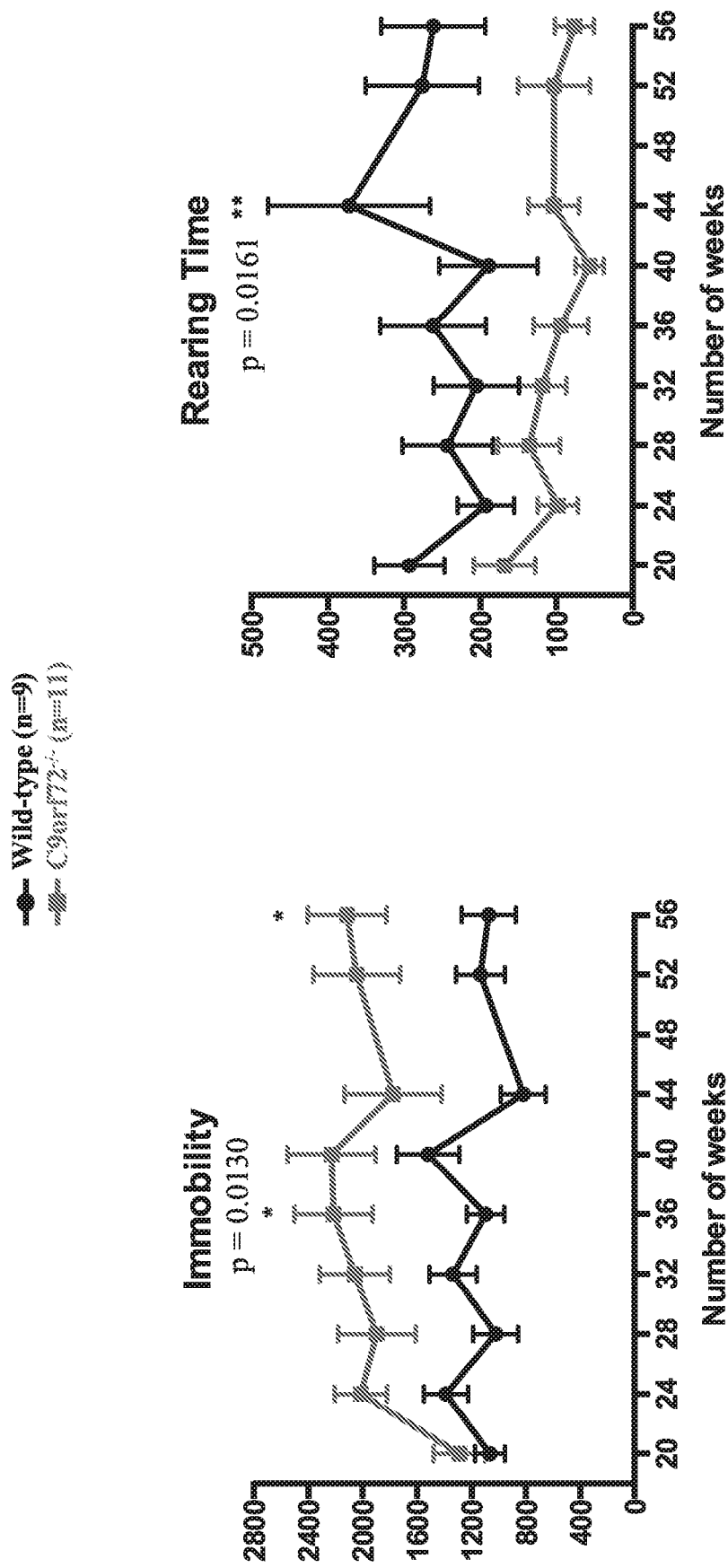


Figure 2G

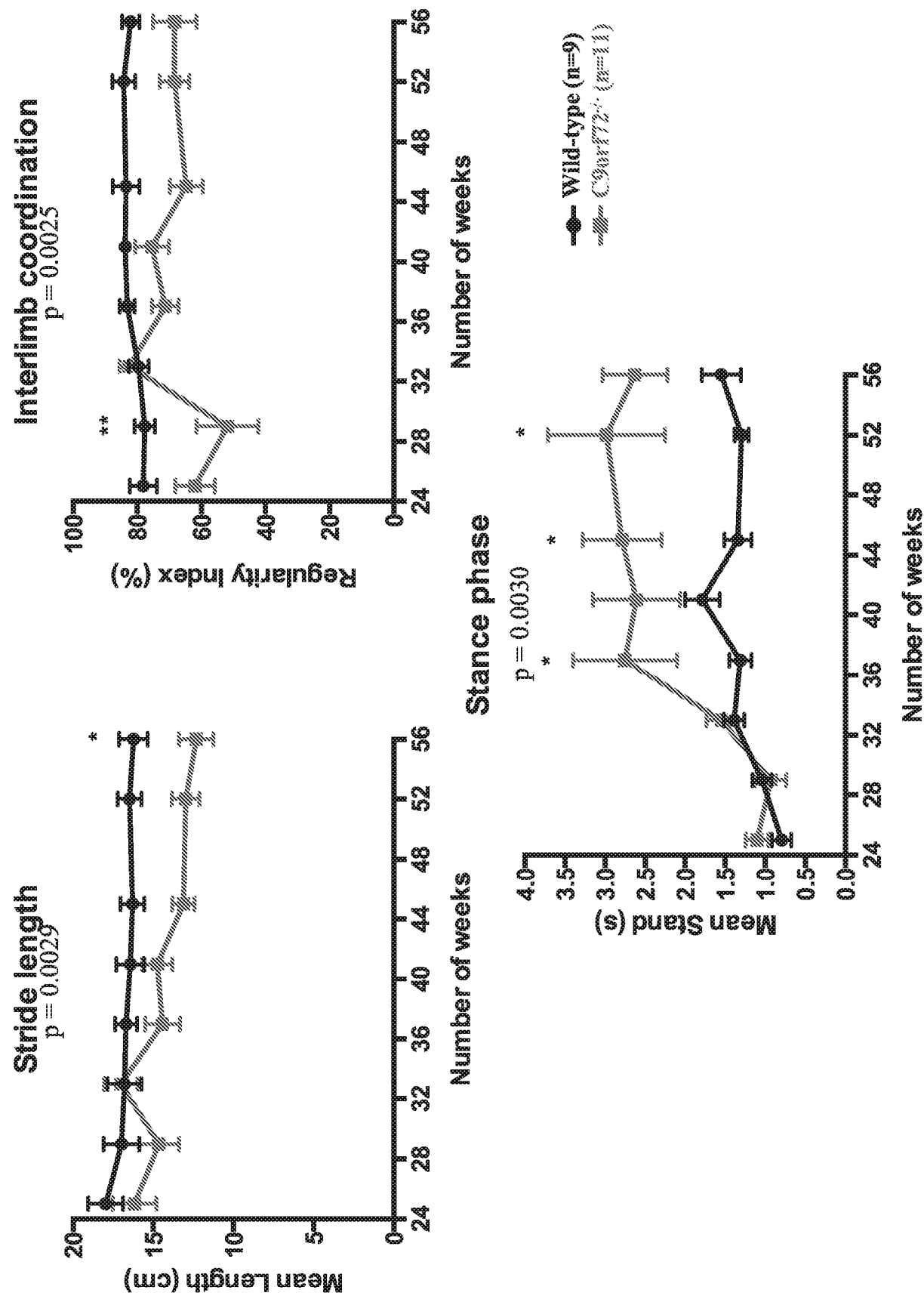


Figure 2H

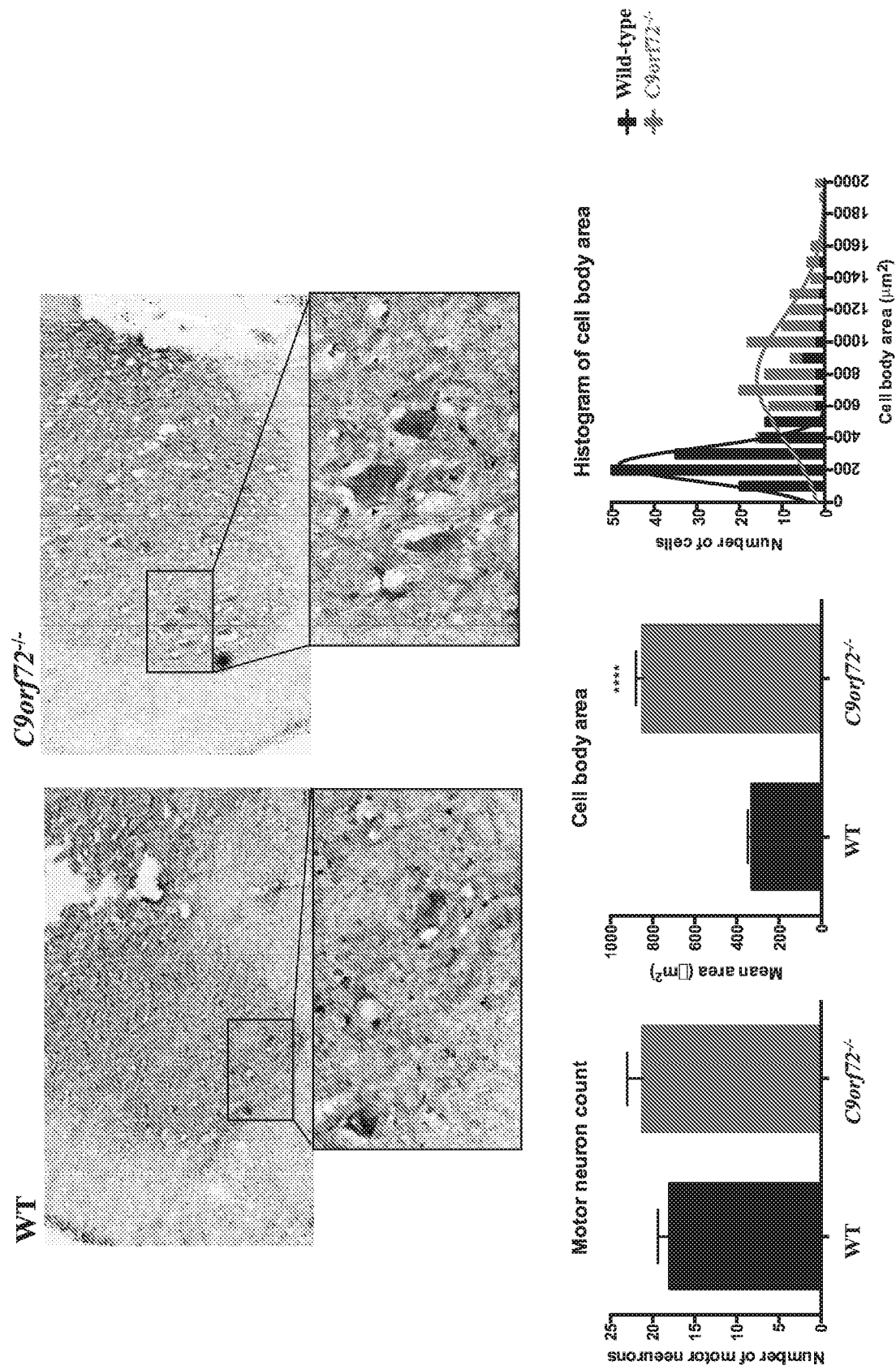


Figure 2I

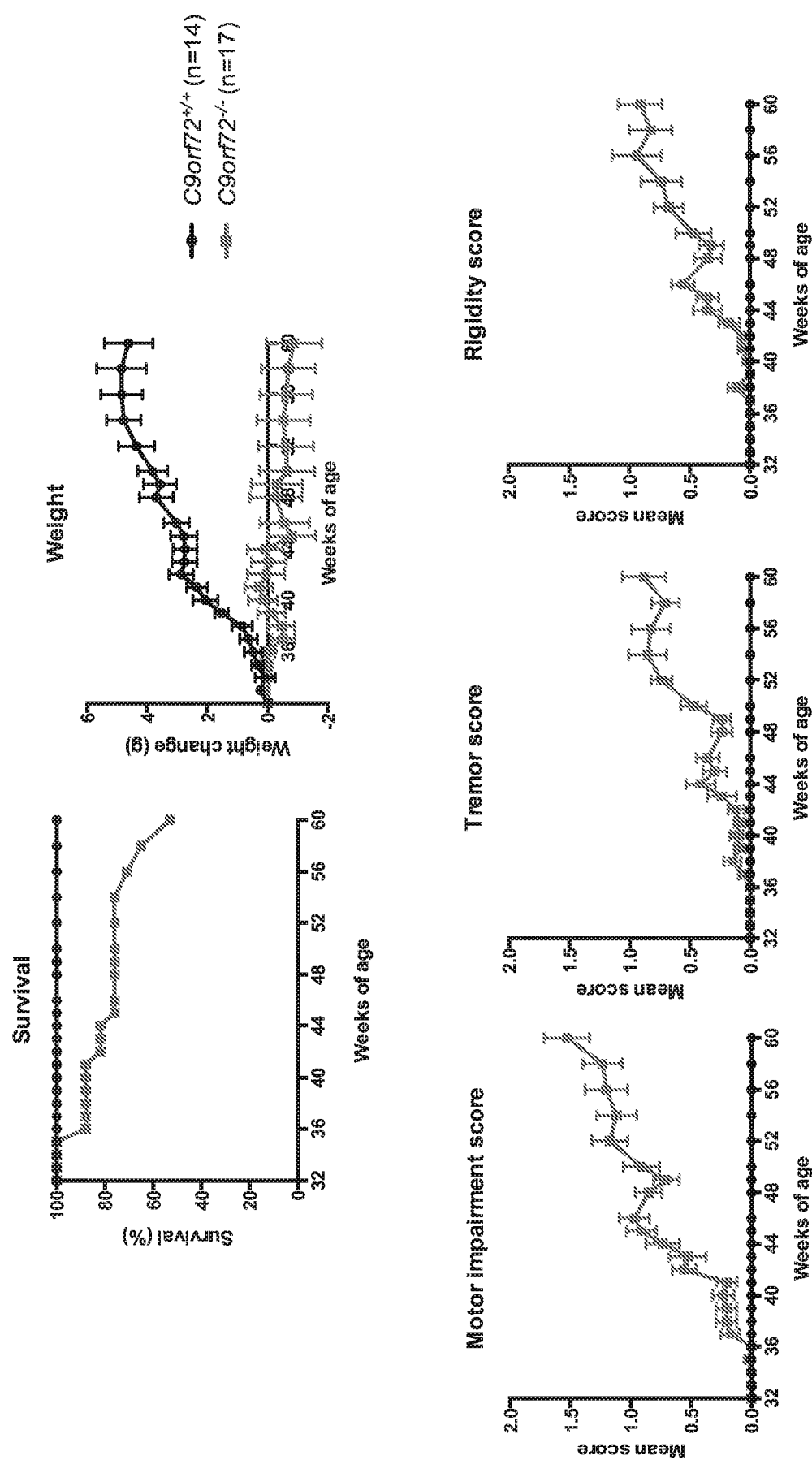


Figure 2J

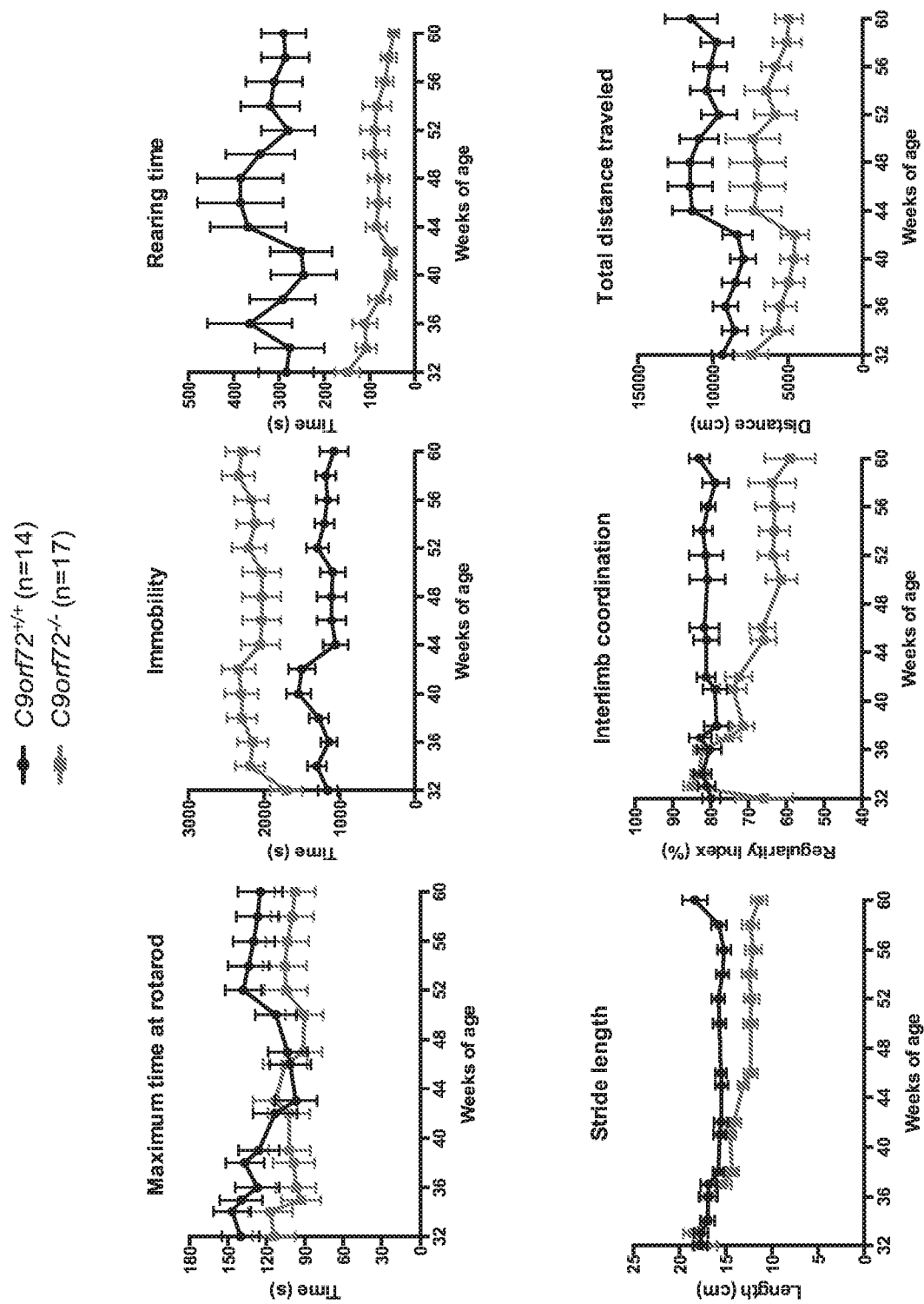


Figure 2K

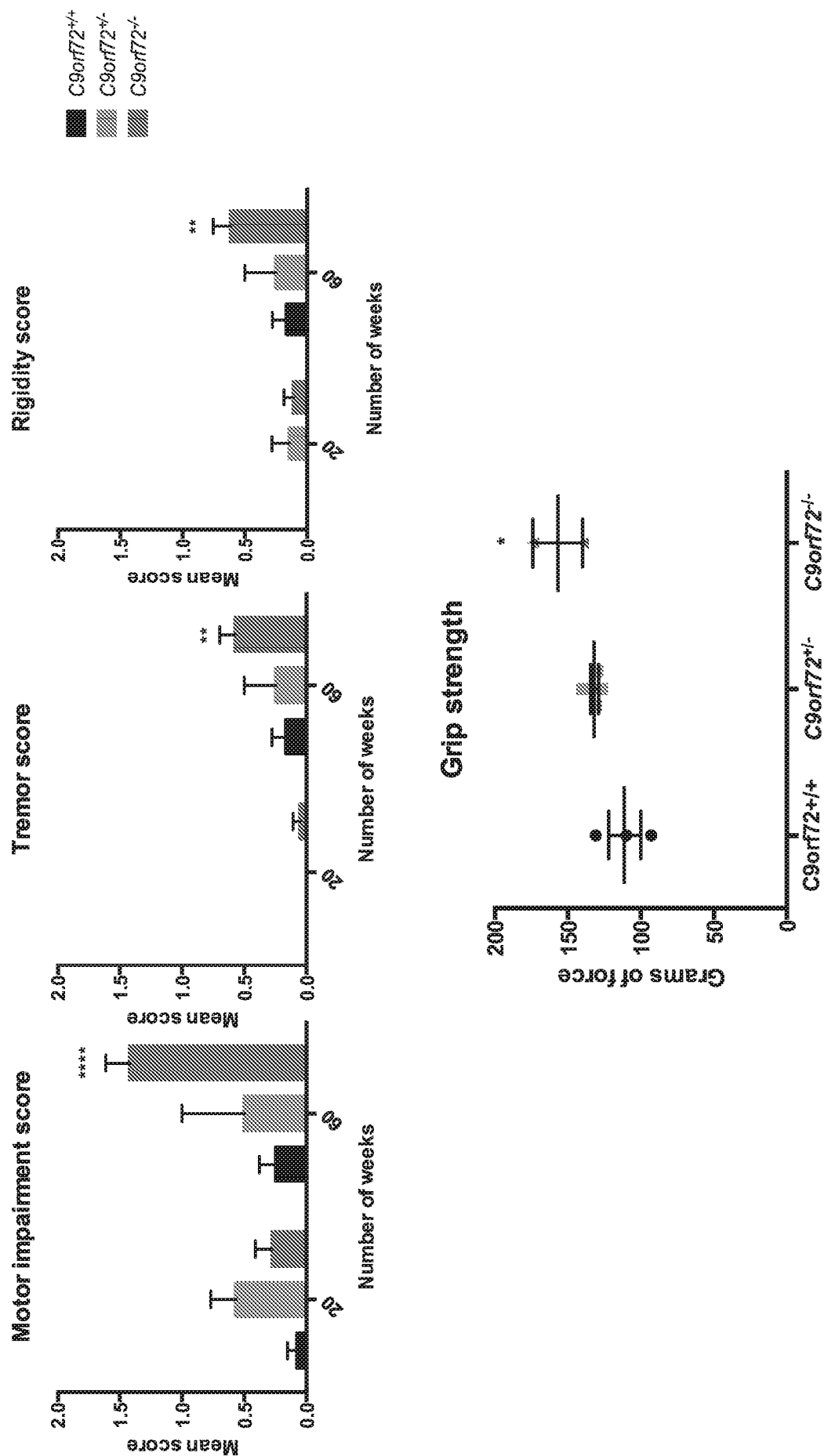


Figure 2L

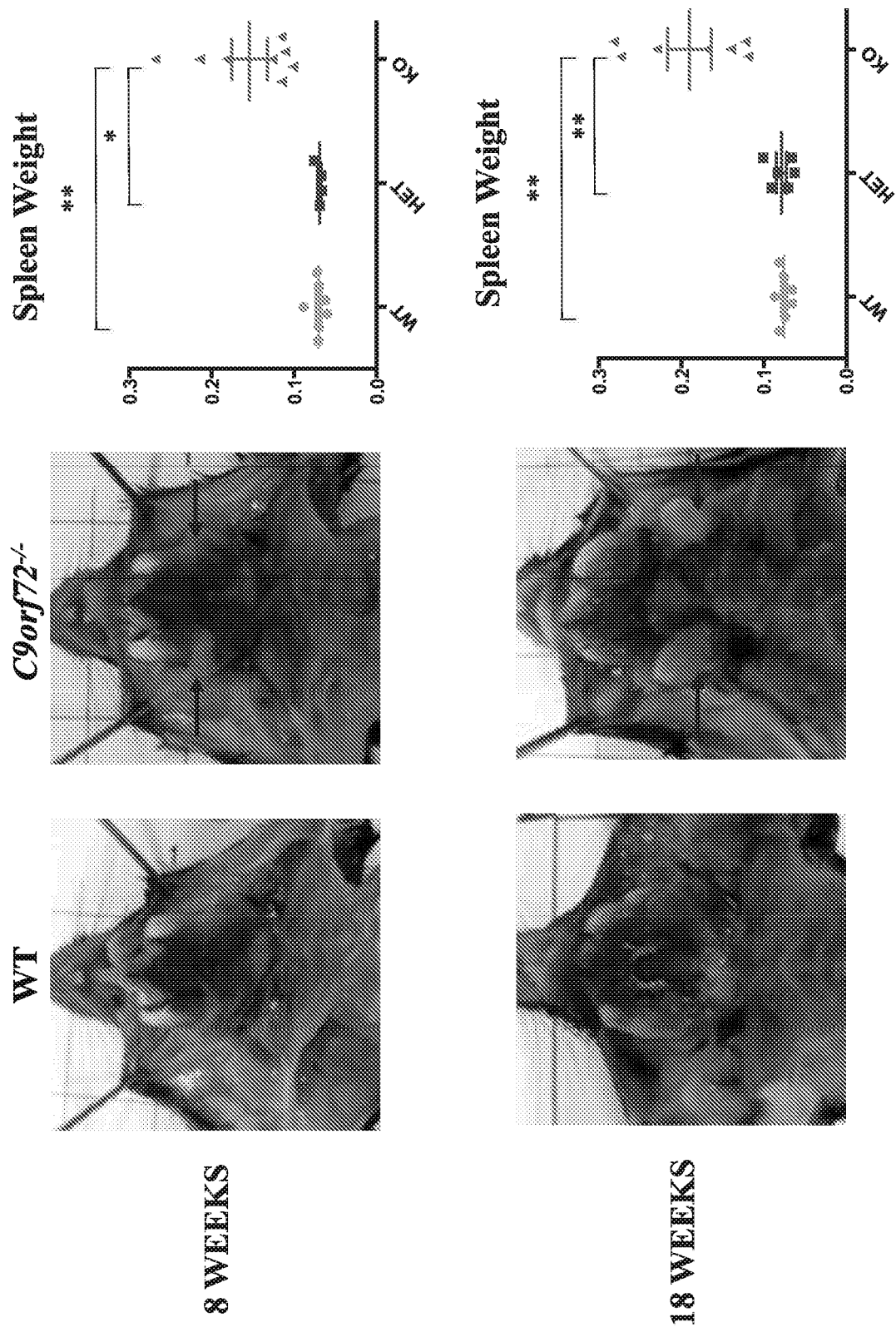


Figure 3A

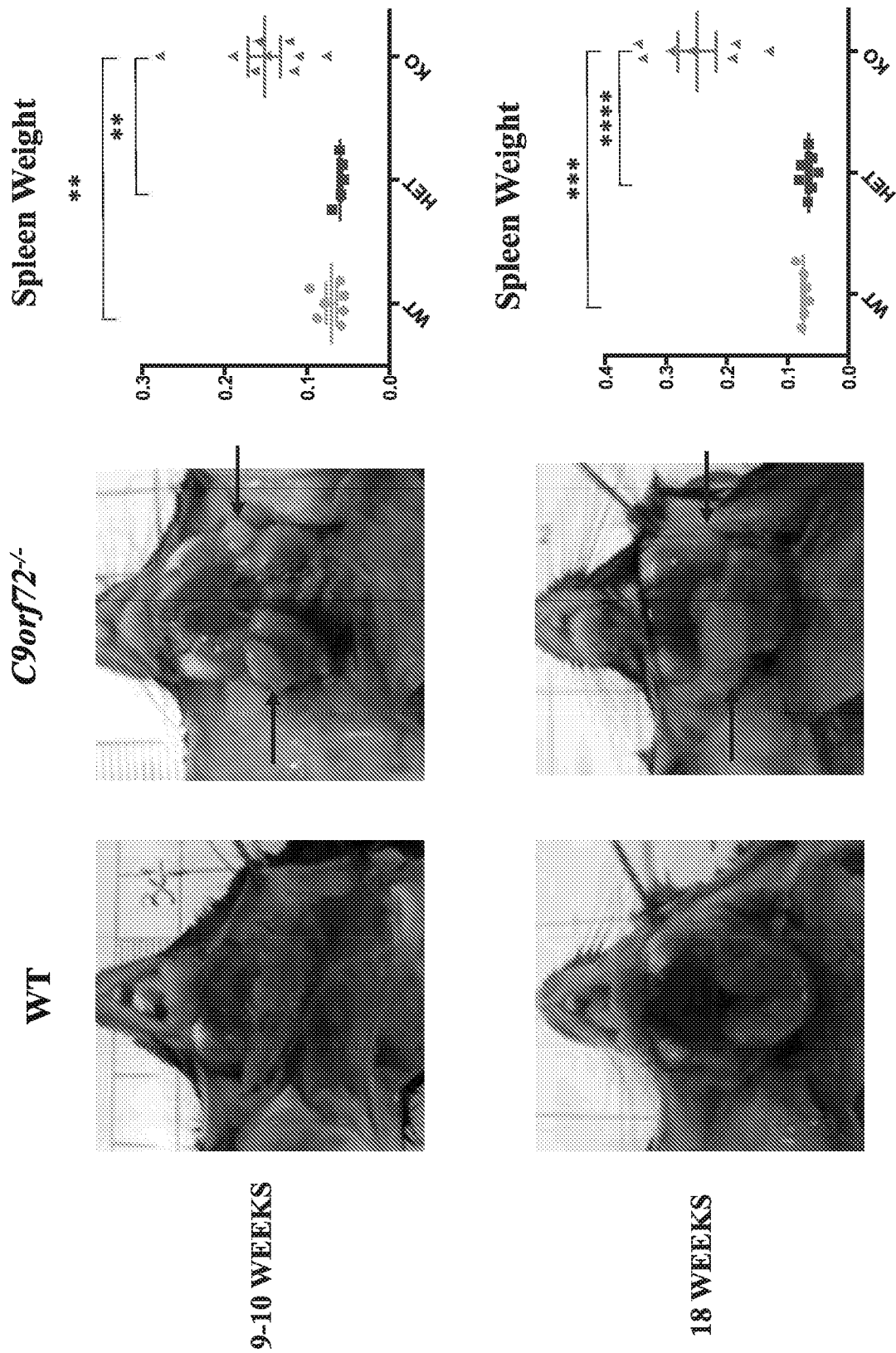
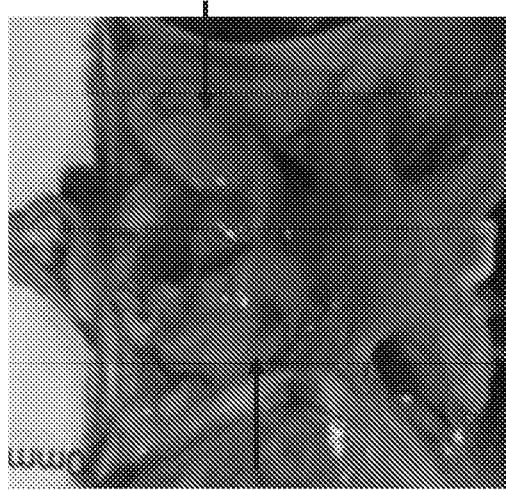


Figure 3B

56 Week Male



37 Week Female

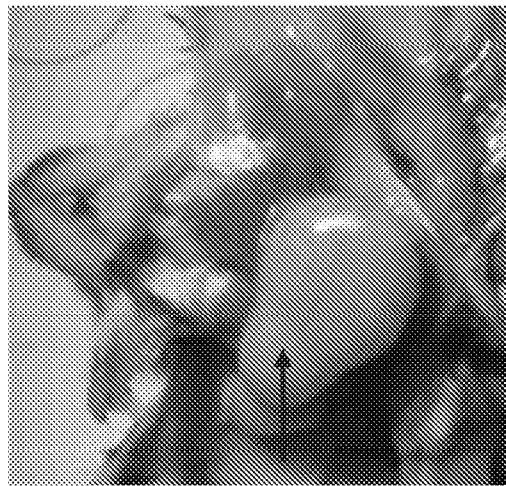


Figure 3C

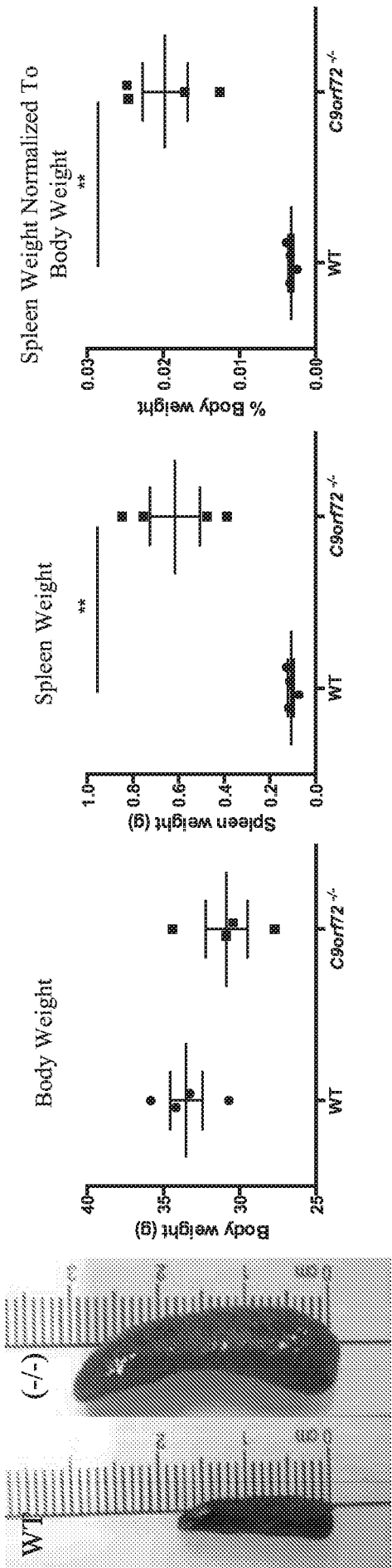
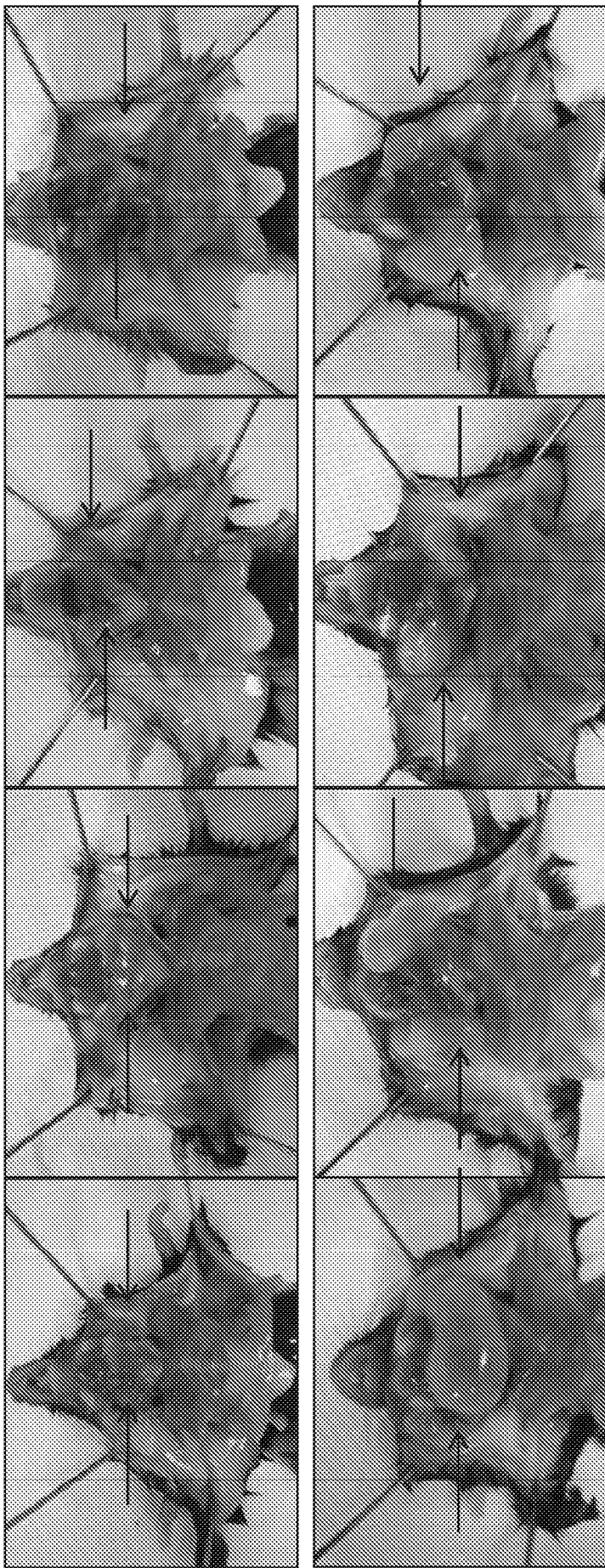


Figure 3D

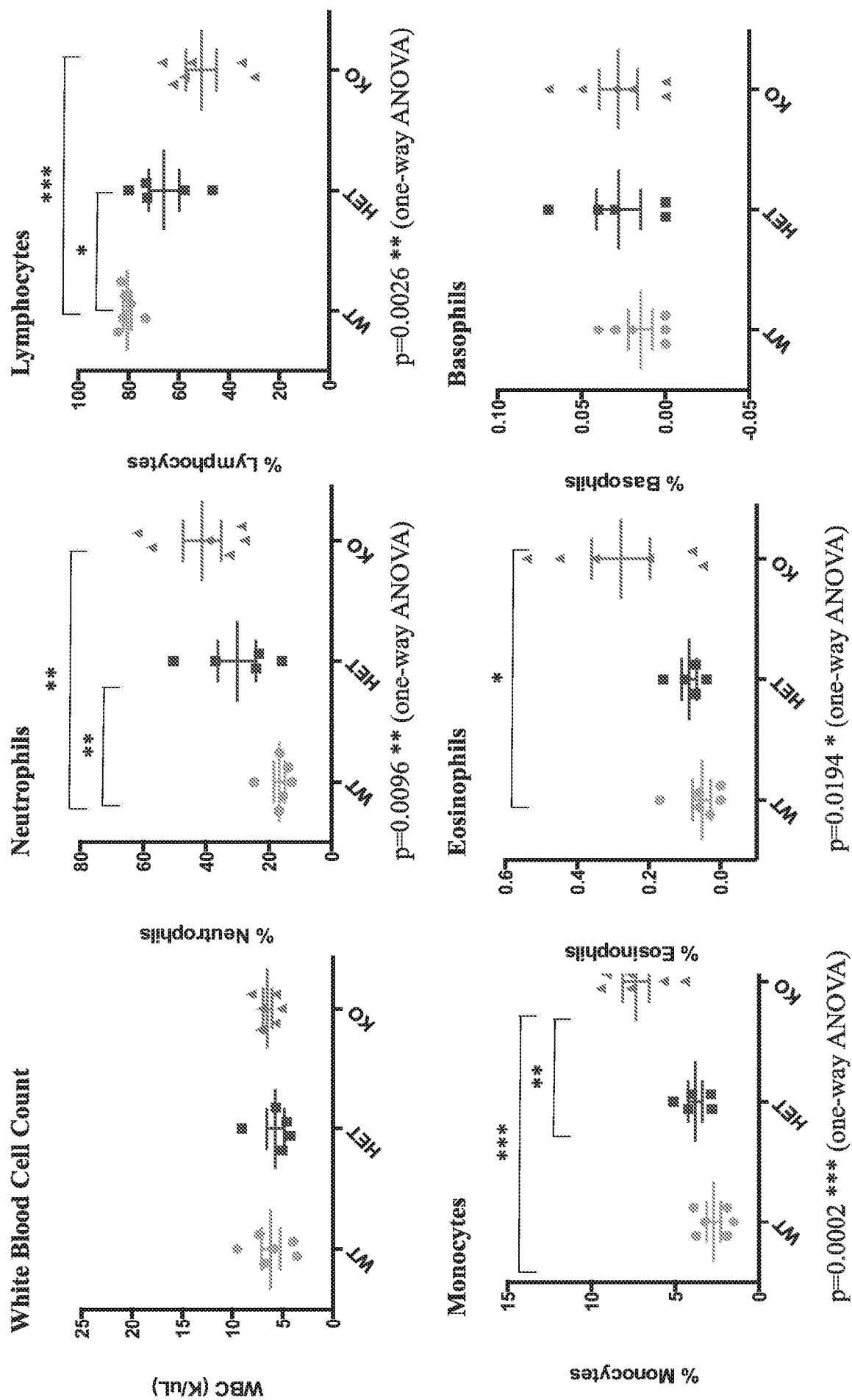


Figure 3E

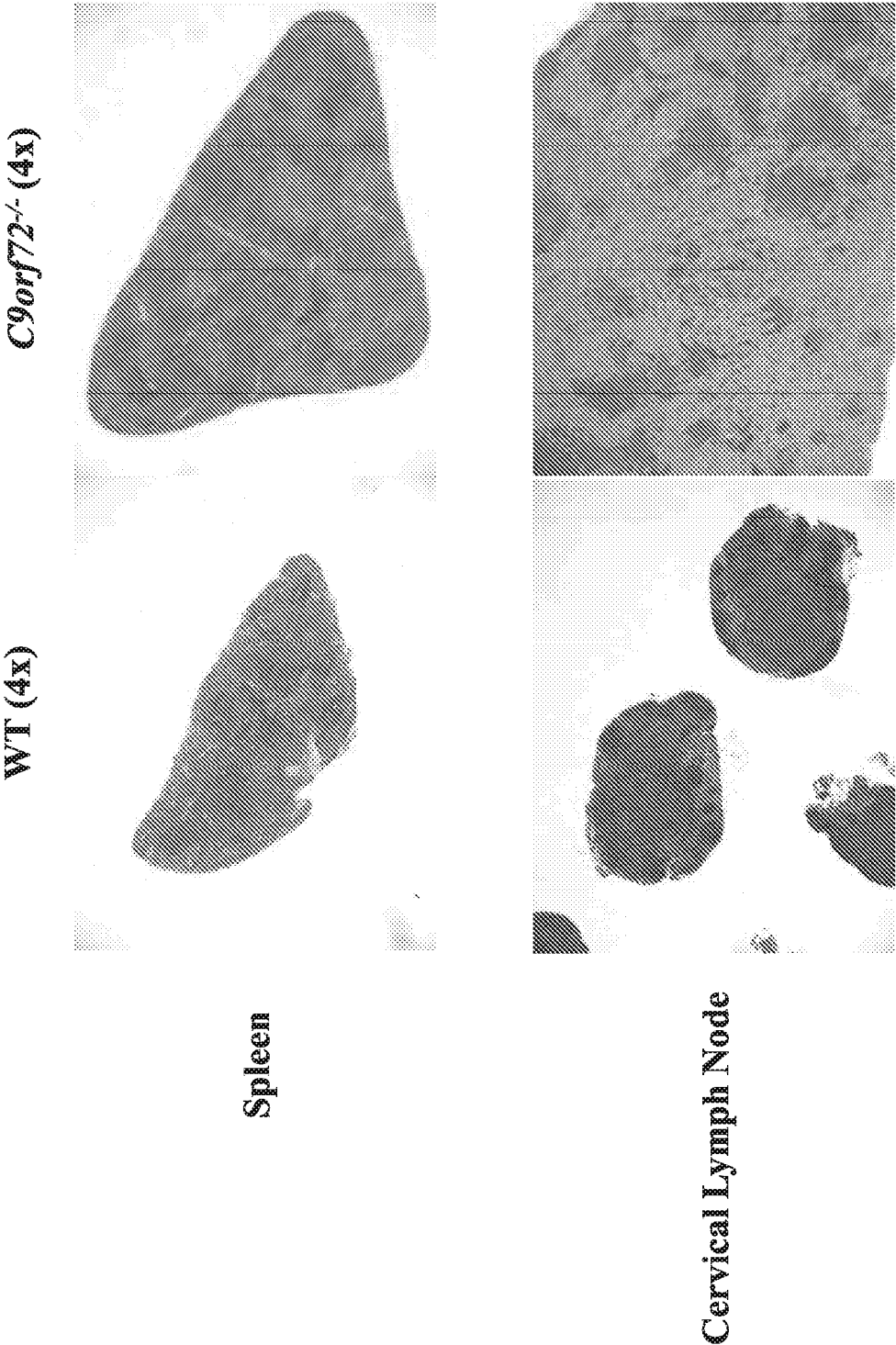


Figure 3F

C9orf72^{-/-} Cervical Lymph Node (60x)

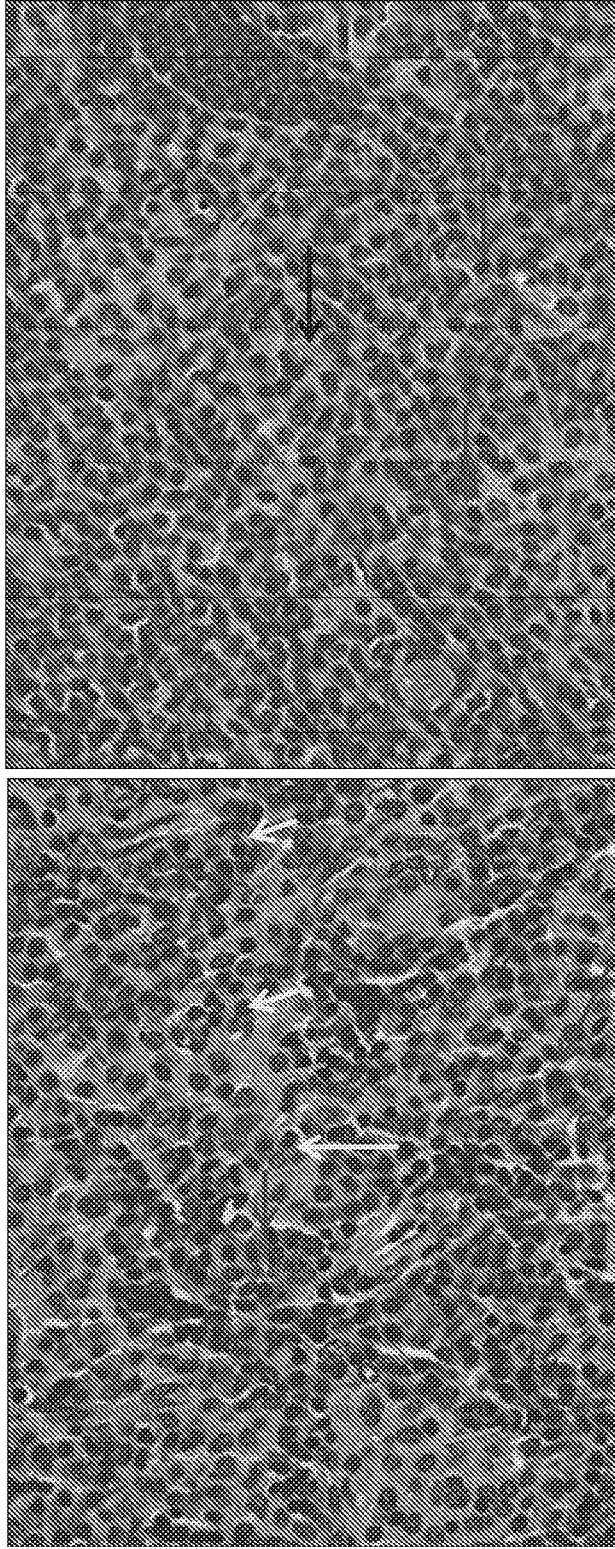


Figure 3G

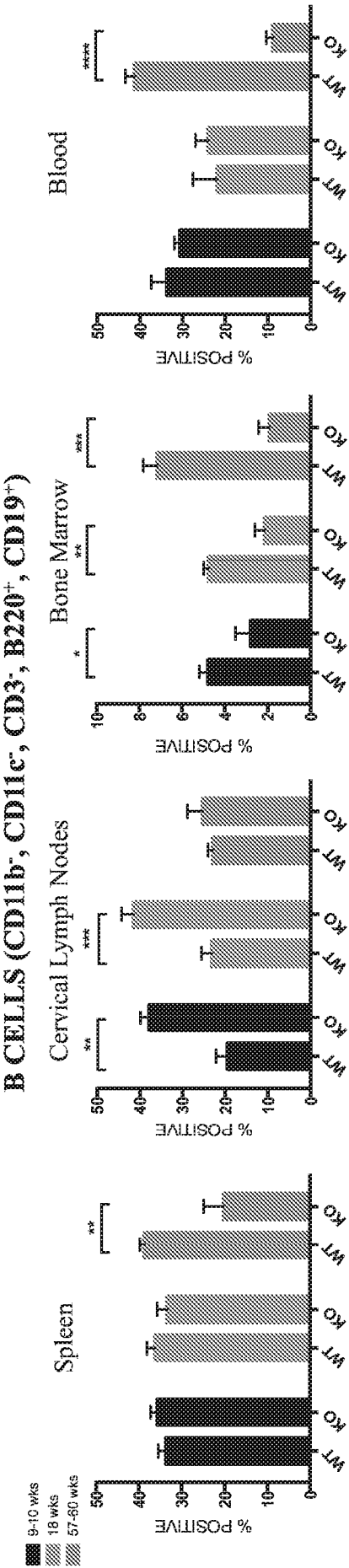
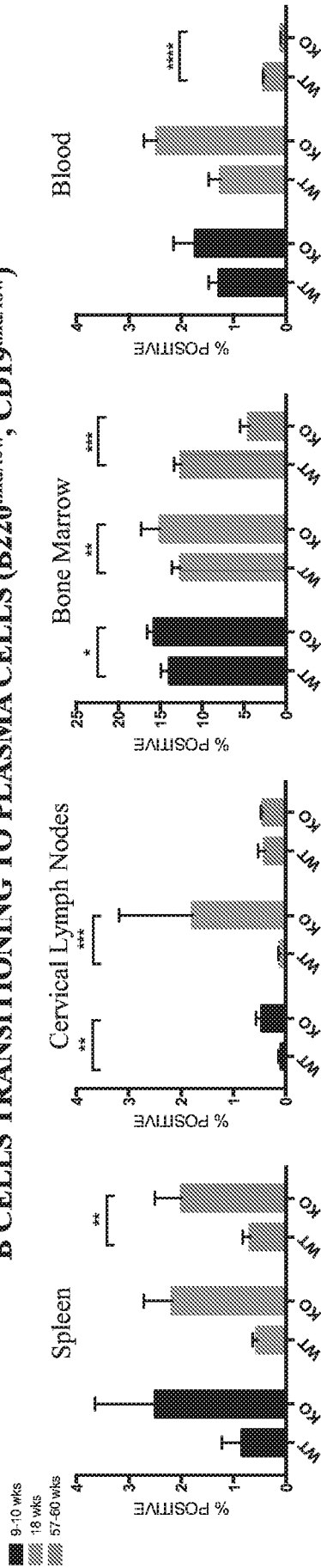
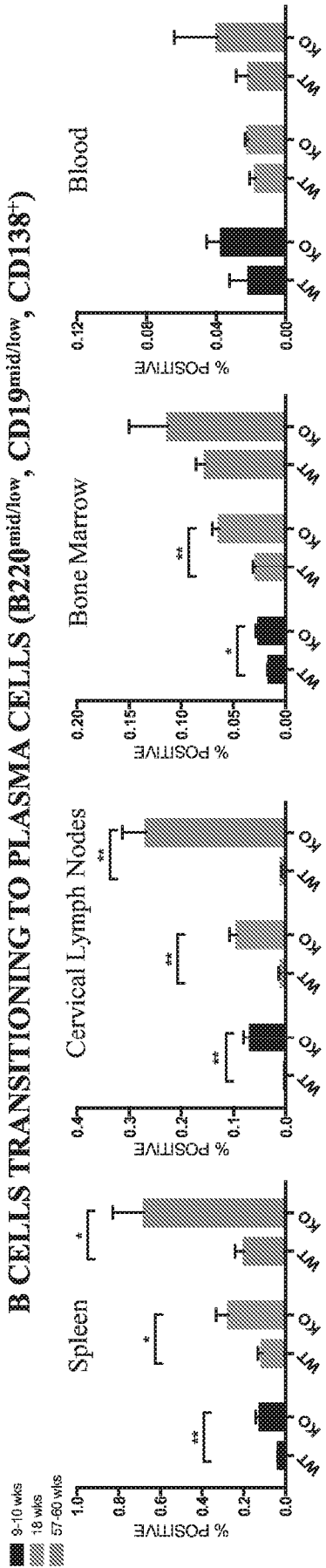


Figure 3H

B CELLS TRANSITIONING TO PLASMA CELLS (B220^{mid/low}, CD19^{mid/low})



B CELLS TRANSITIONING TO PLASMA CELLS (B220^{mid/low}, CD19^{mid/low}, CD138⁺)



MATURE PLASMA CELLS (B220^{low/-}, CD19^{low/-}, CD45⁺, CD138^{mid/+})

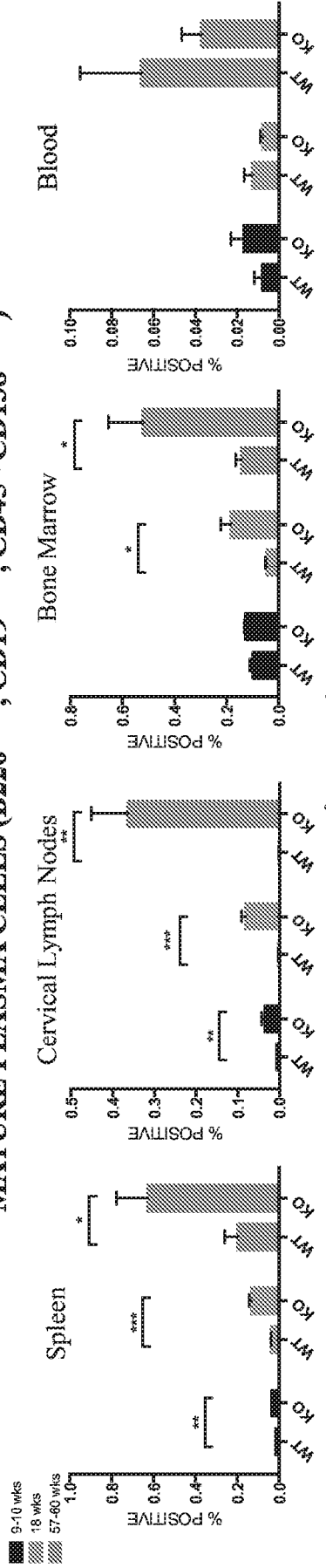


Figure 3I

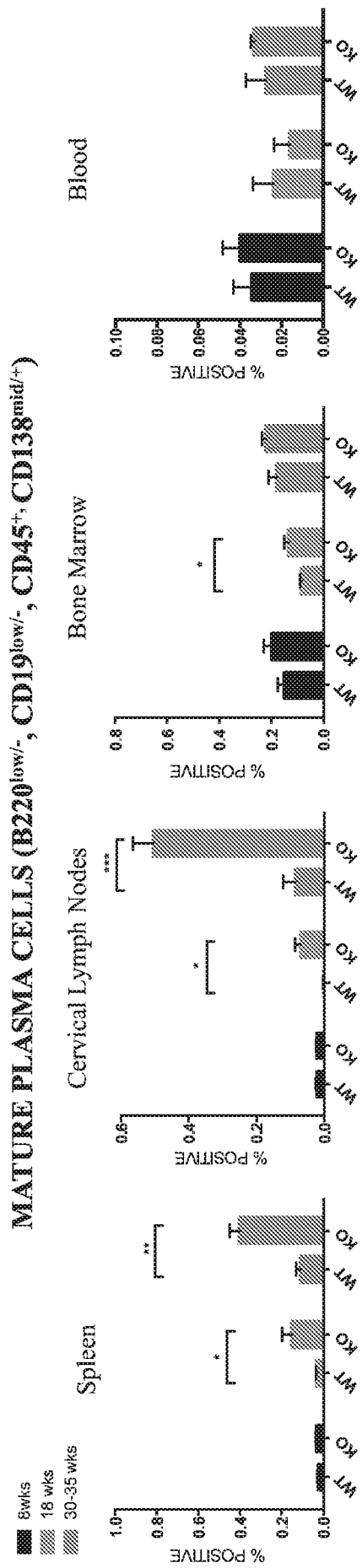
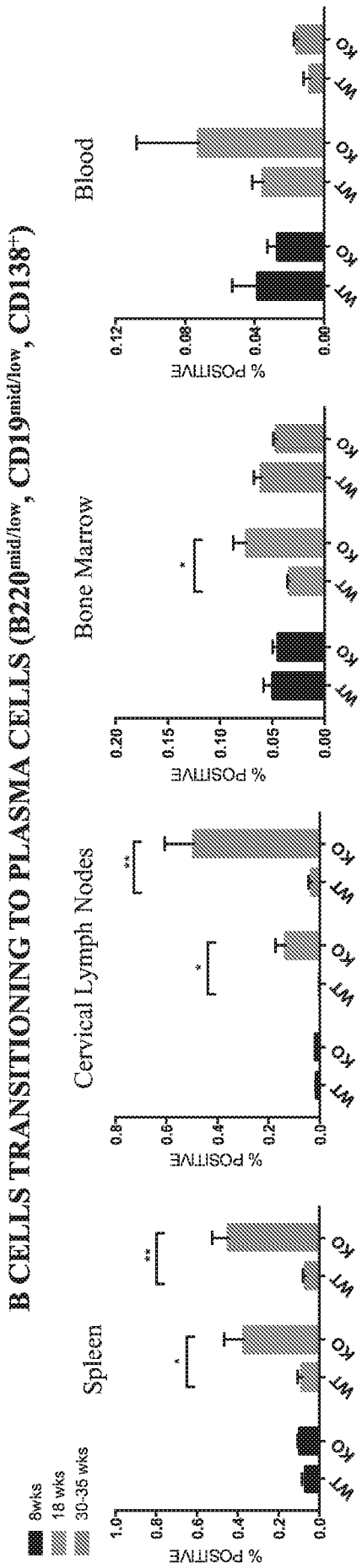
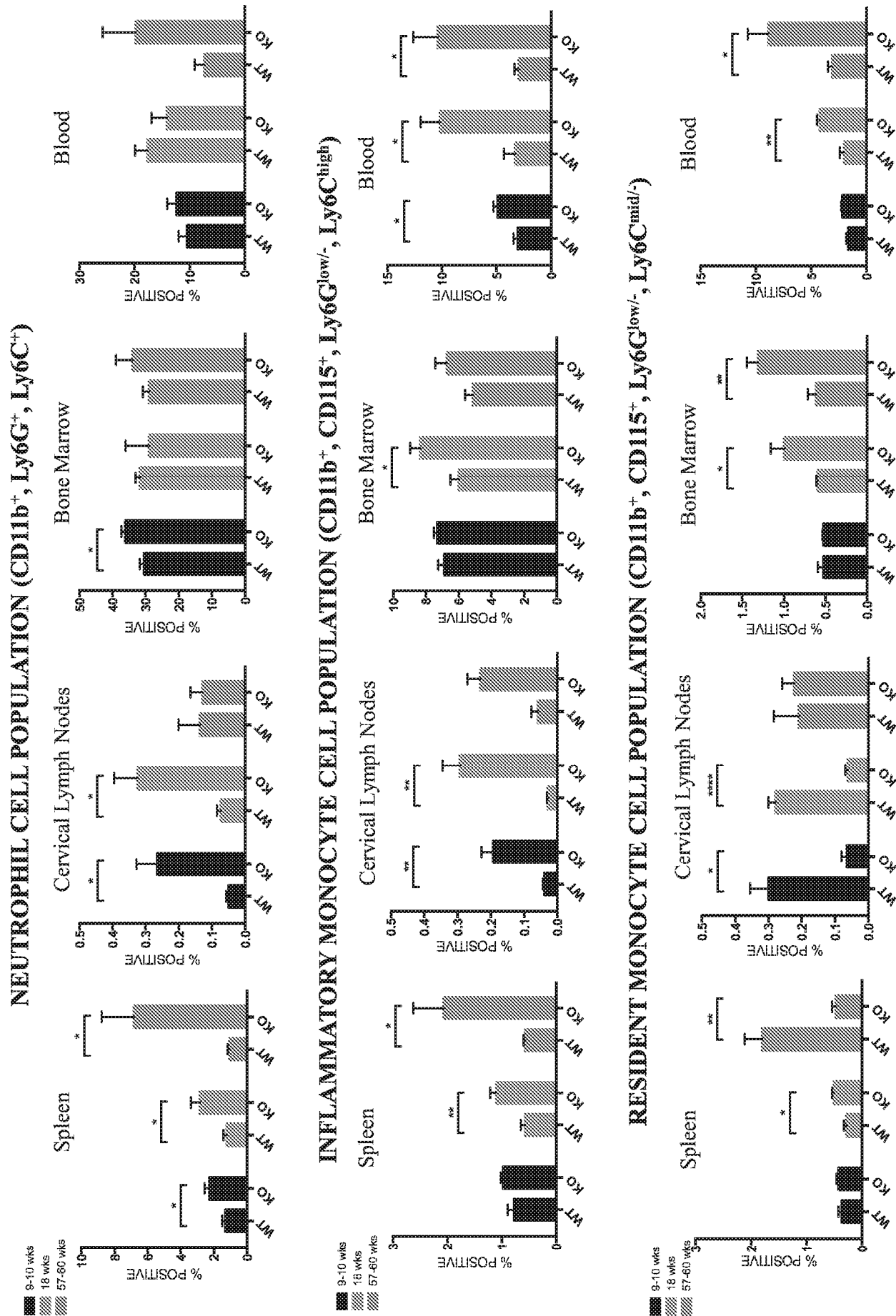
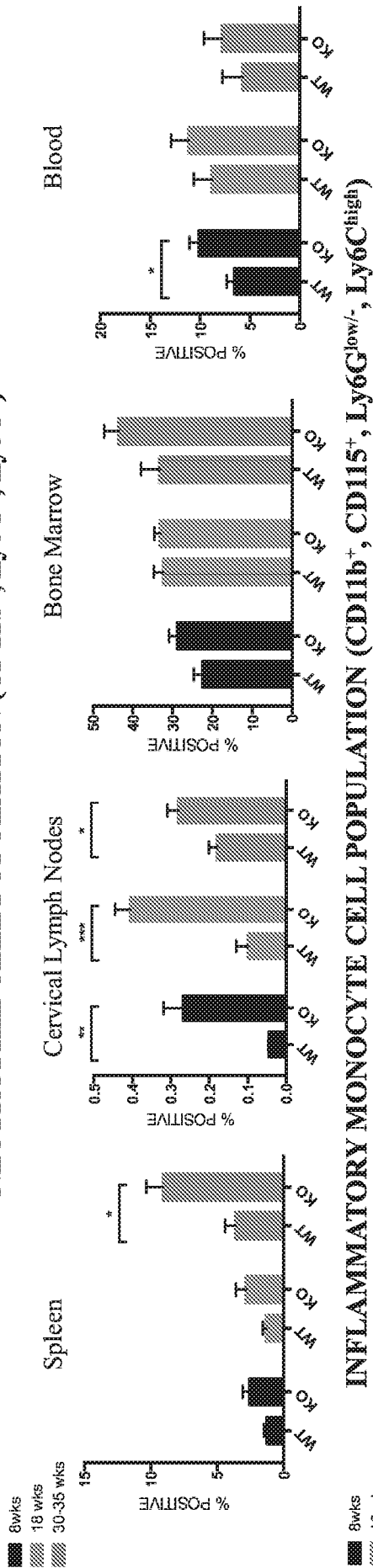


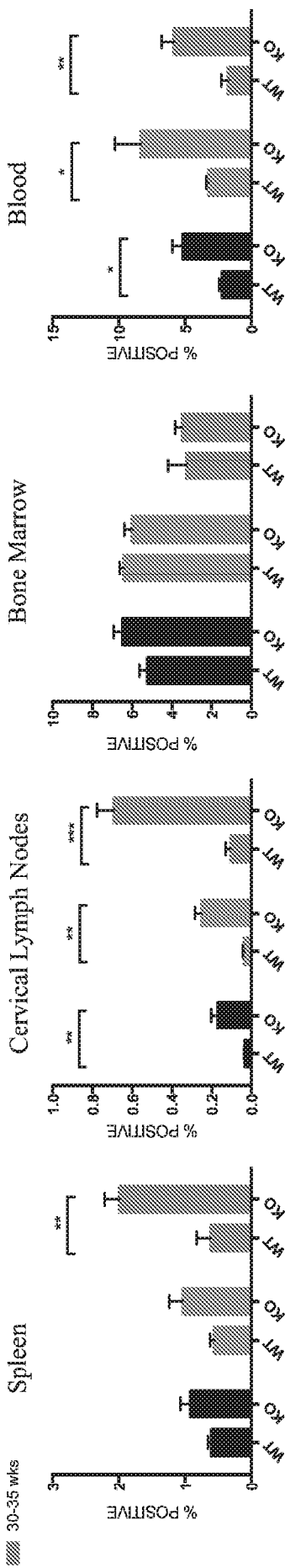
Figure 3J



NEUTROPHIL CELL POPULATION (CD11b⁺, Ly6G⁺, Ly6C⁺)



INFLAMMATORY MONOCYTE CELL POPULATION (CD11b⁺, CD115⁺, Ly6G^{low/-}, Ly6C^{high})



RESIDENT MONOCYTE CELL POPULATION (CD11b⁺, CD115⁺, Ly6G^{low/-}, Ly6C^{mid/-})

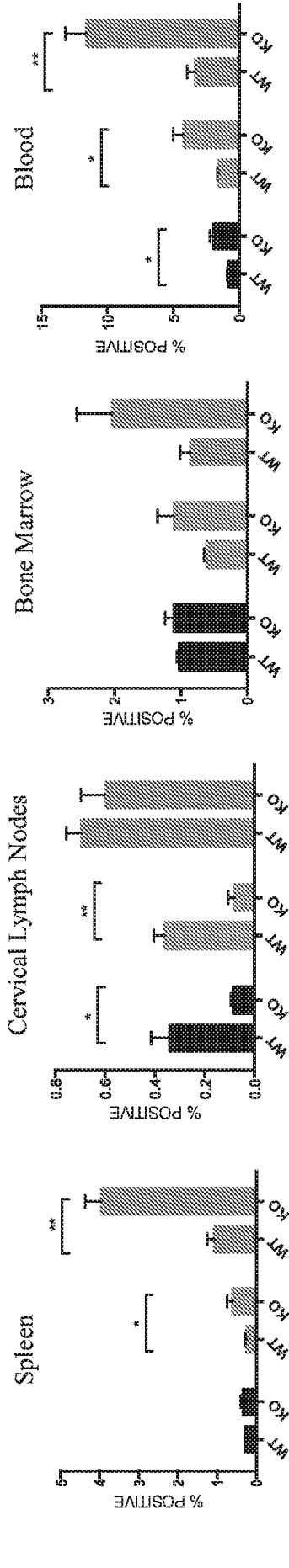


Figure 3L

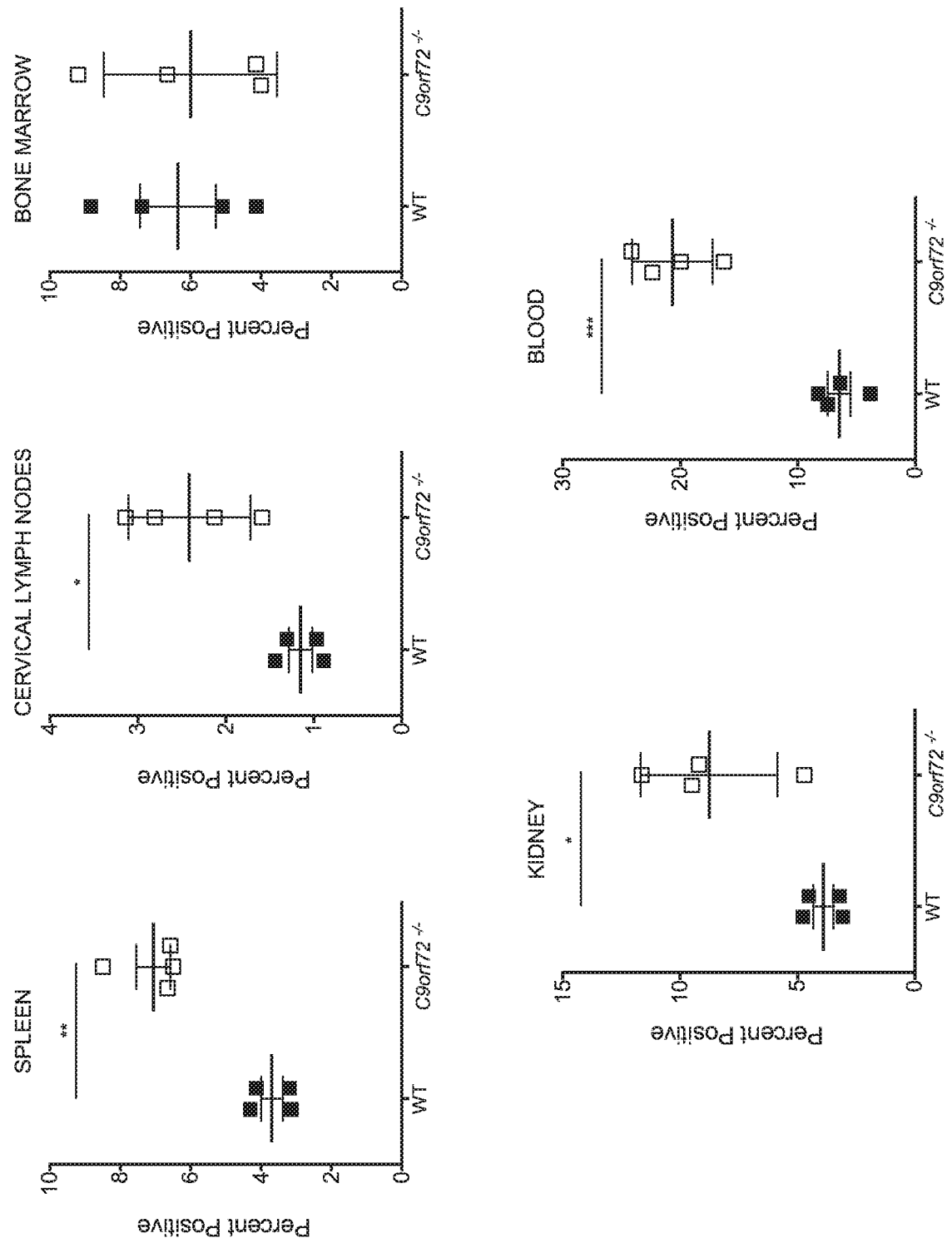


Figure 3M

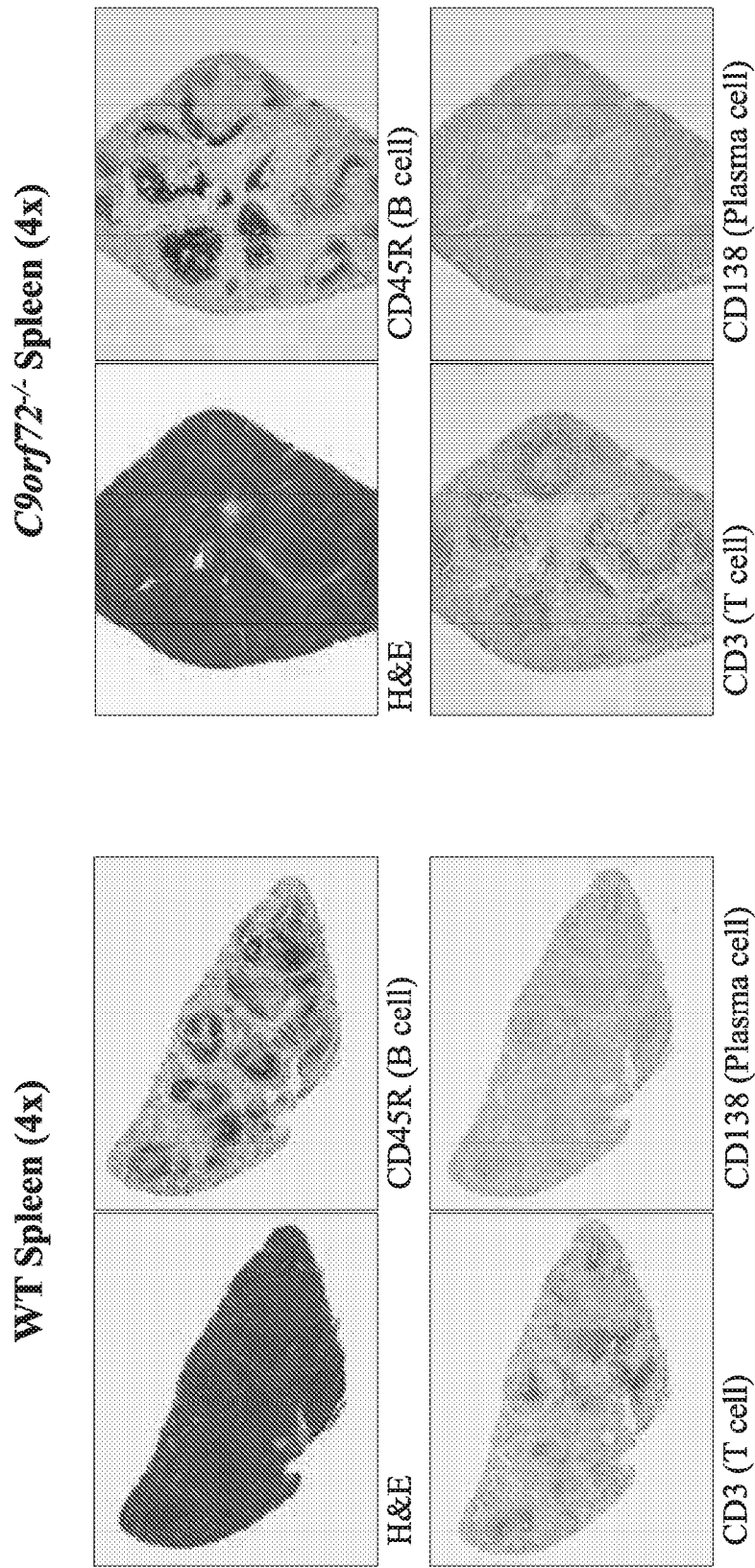


Figure 3N

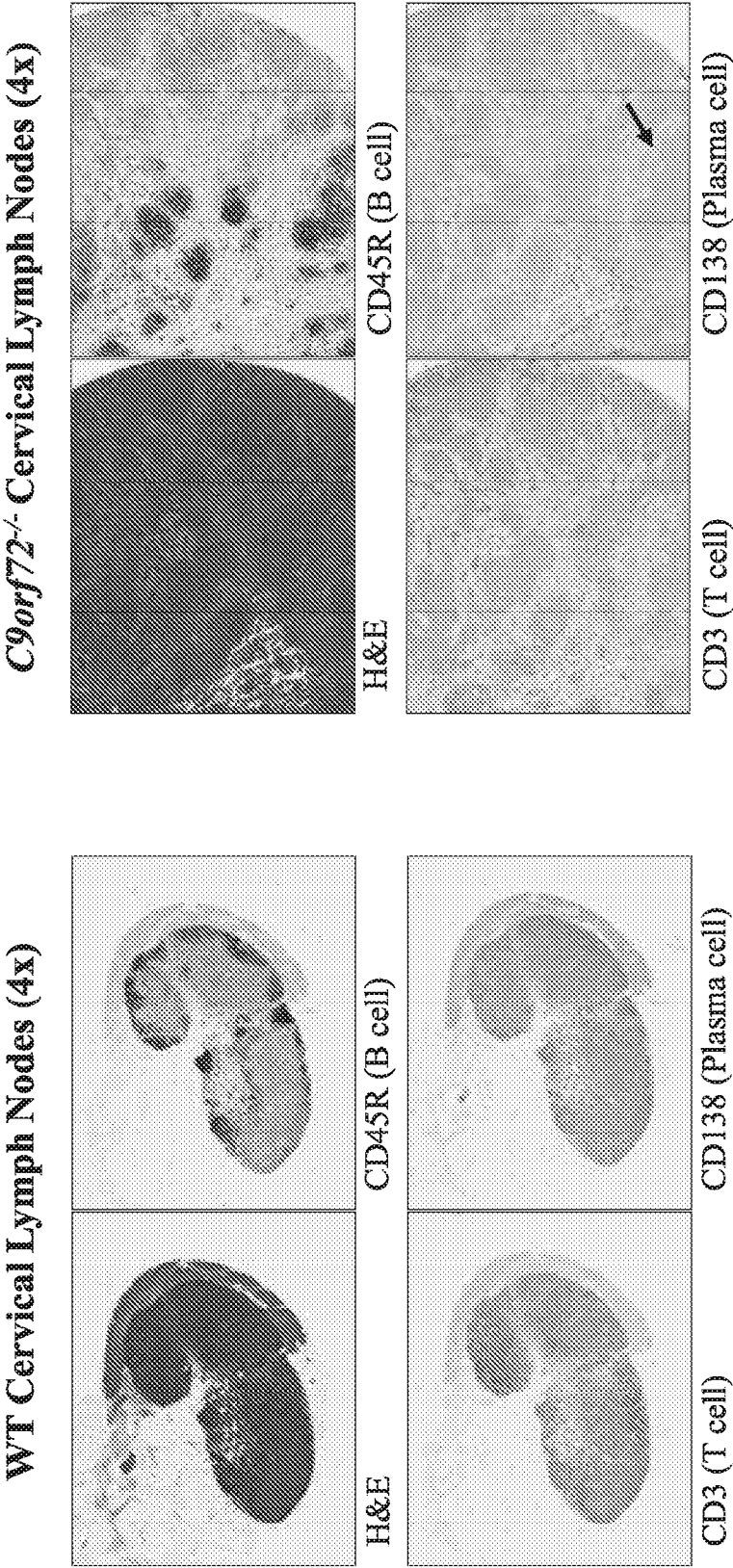


Figure 30

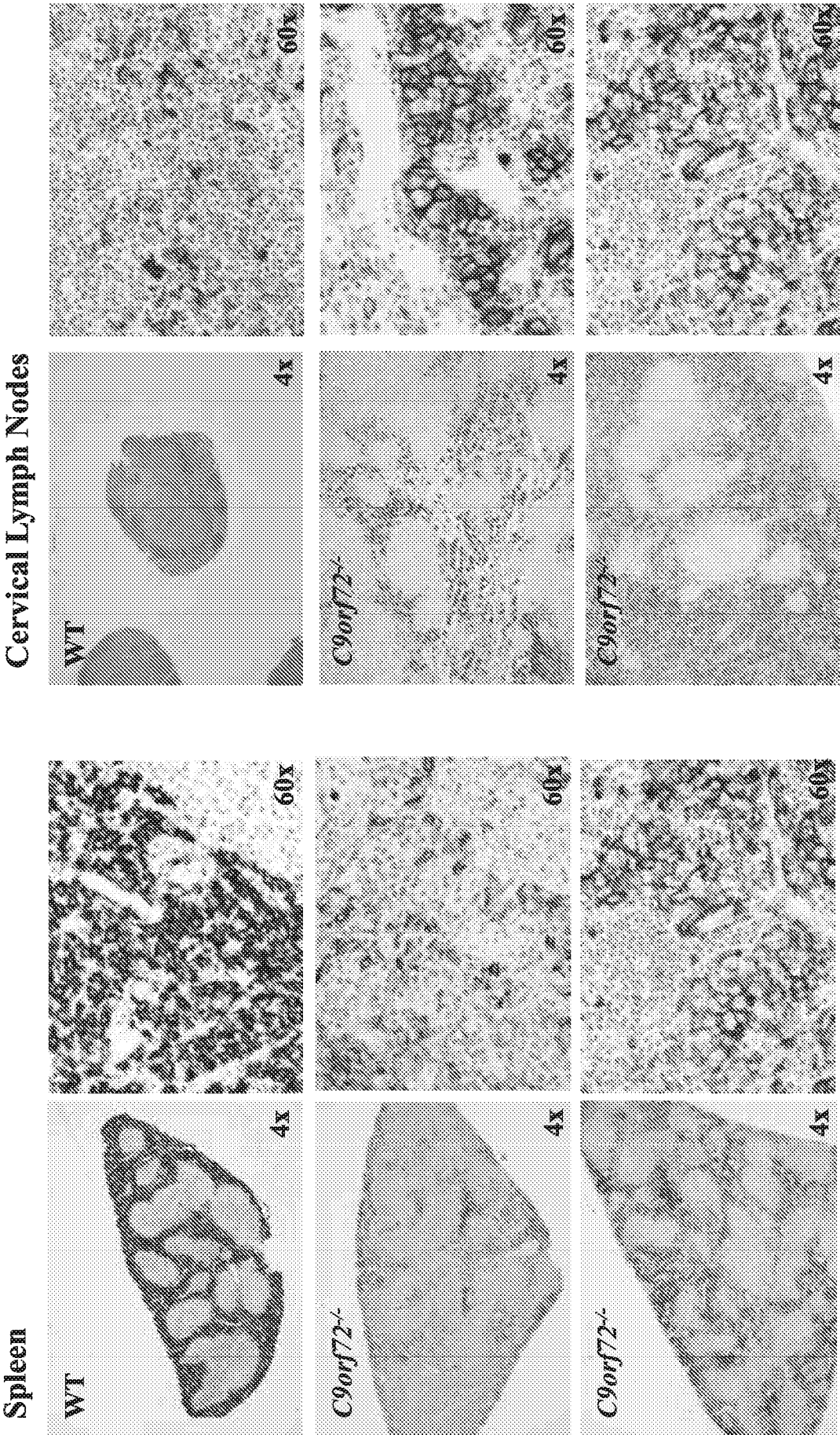


Figure 3P

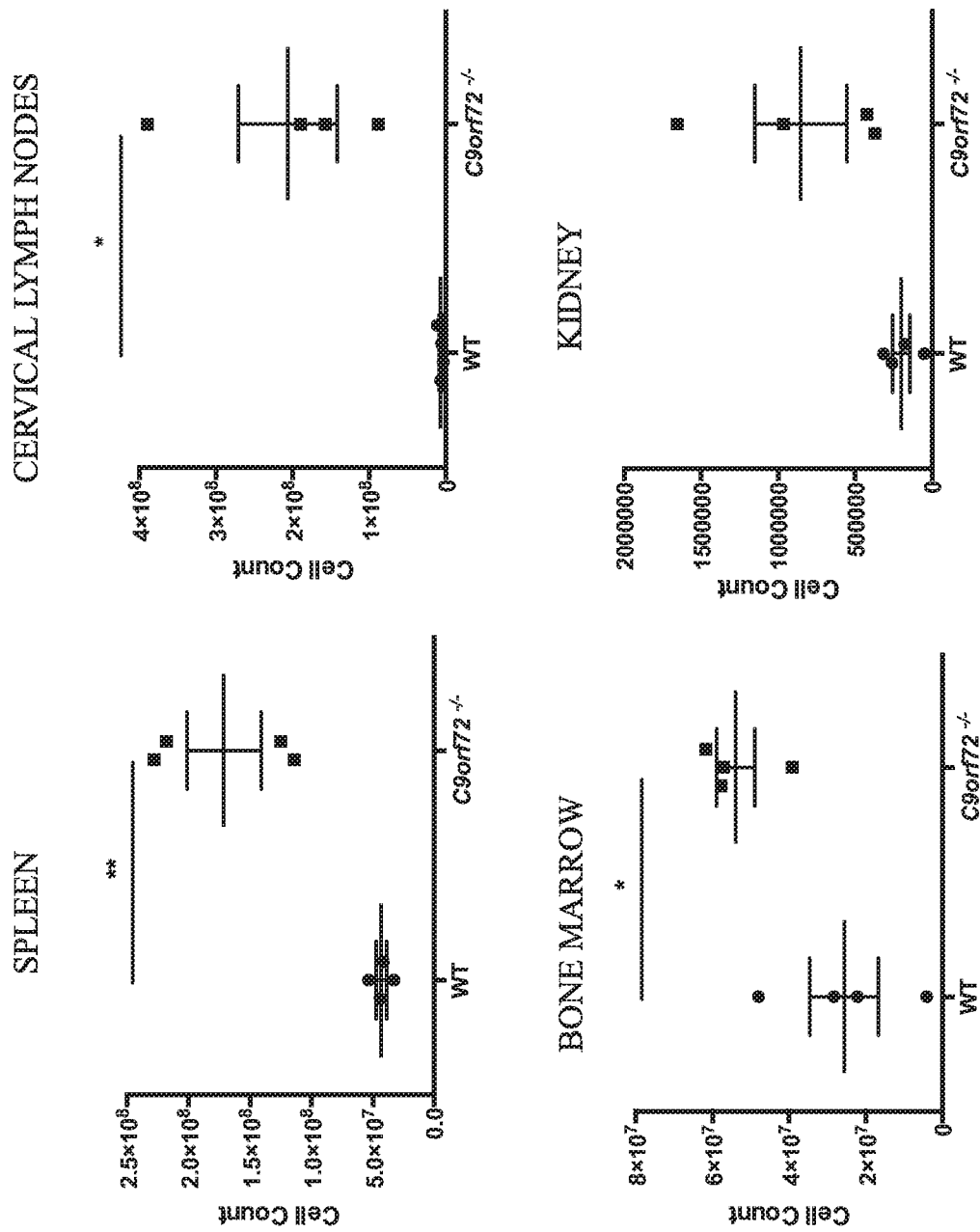


Figure 3Q

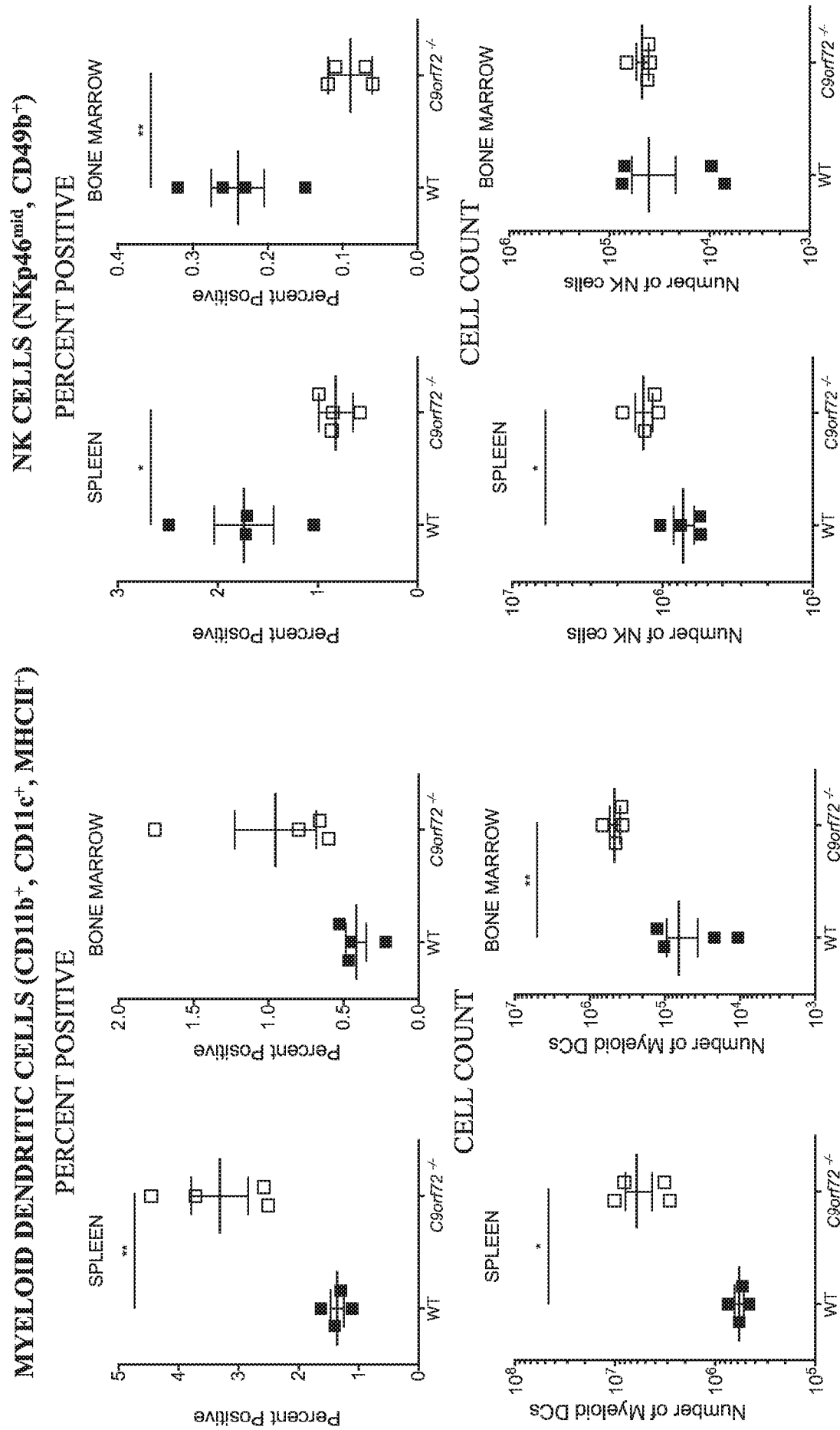


Figure 3R

CD45⁺ T CELLS

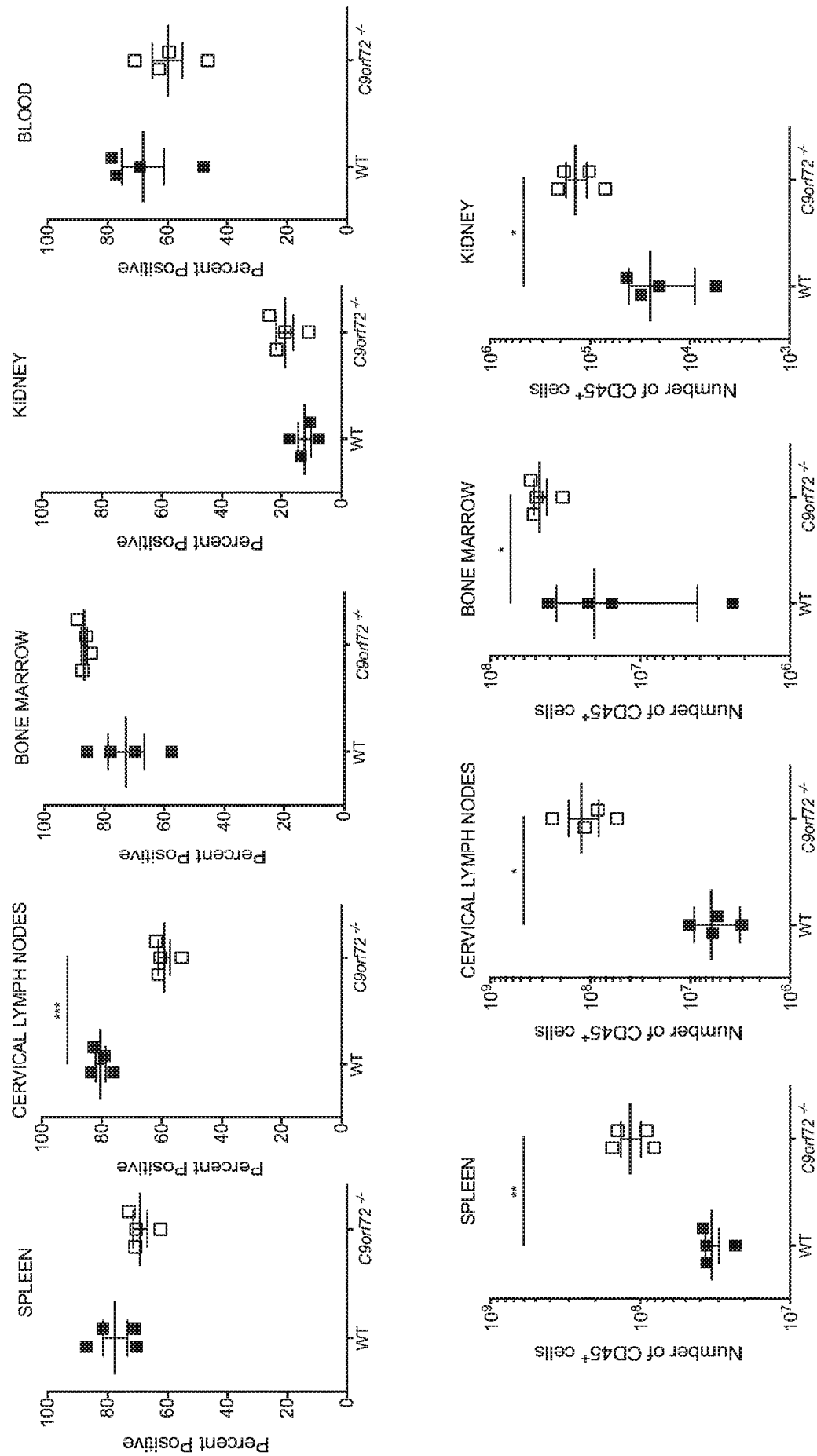


Figure 3S

CD8⁺ T CELLS

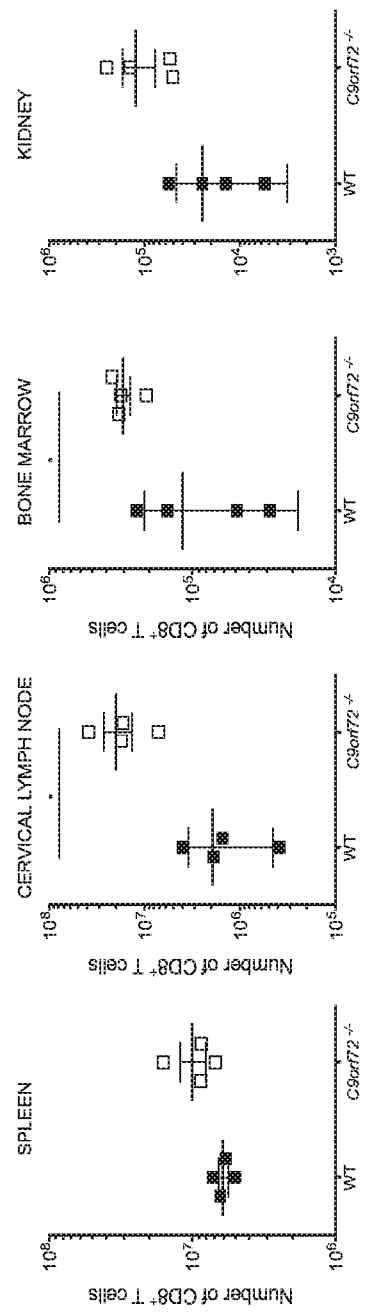
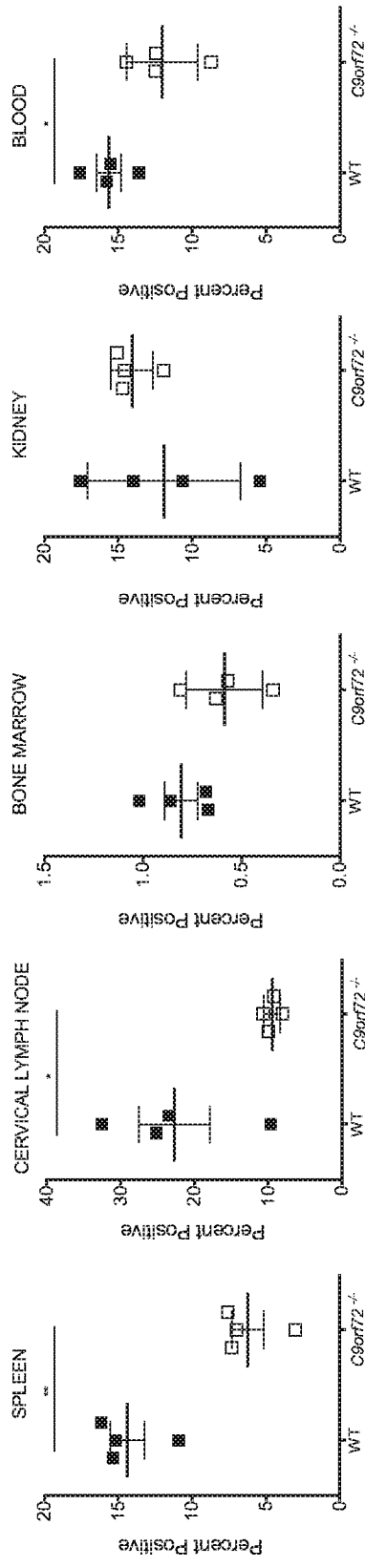


Figure 3T

CD4⁺ T CELLS

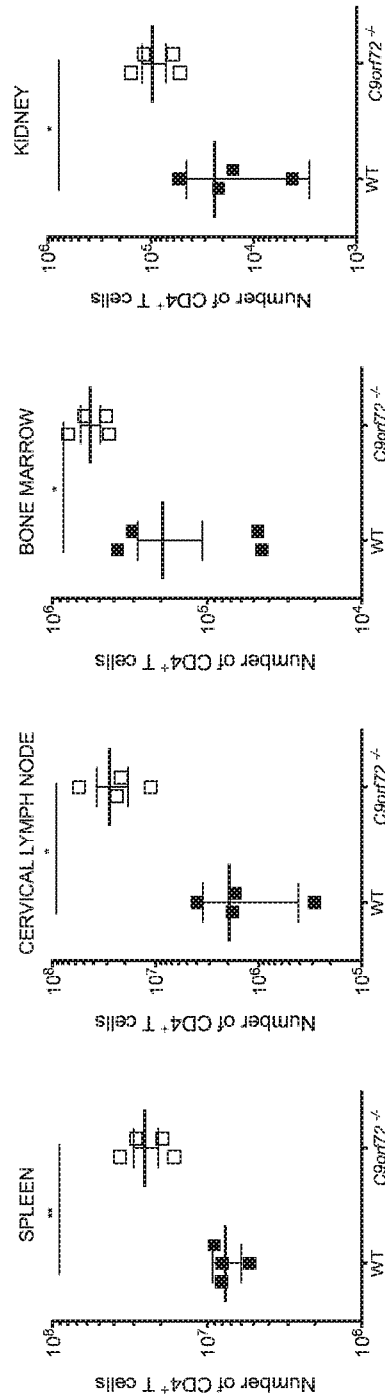
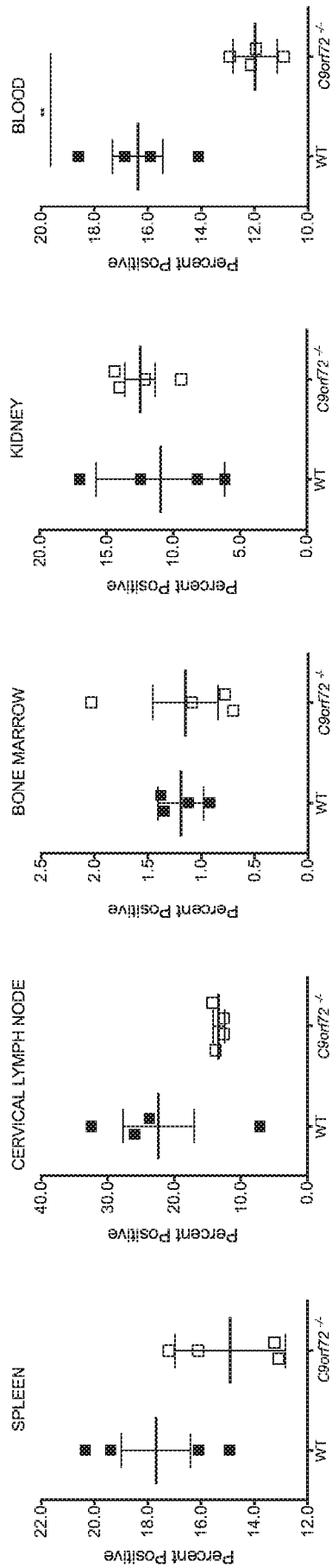


Figure 3U

CD8⁺CD44⁺ T CELLS

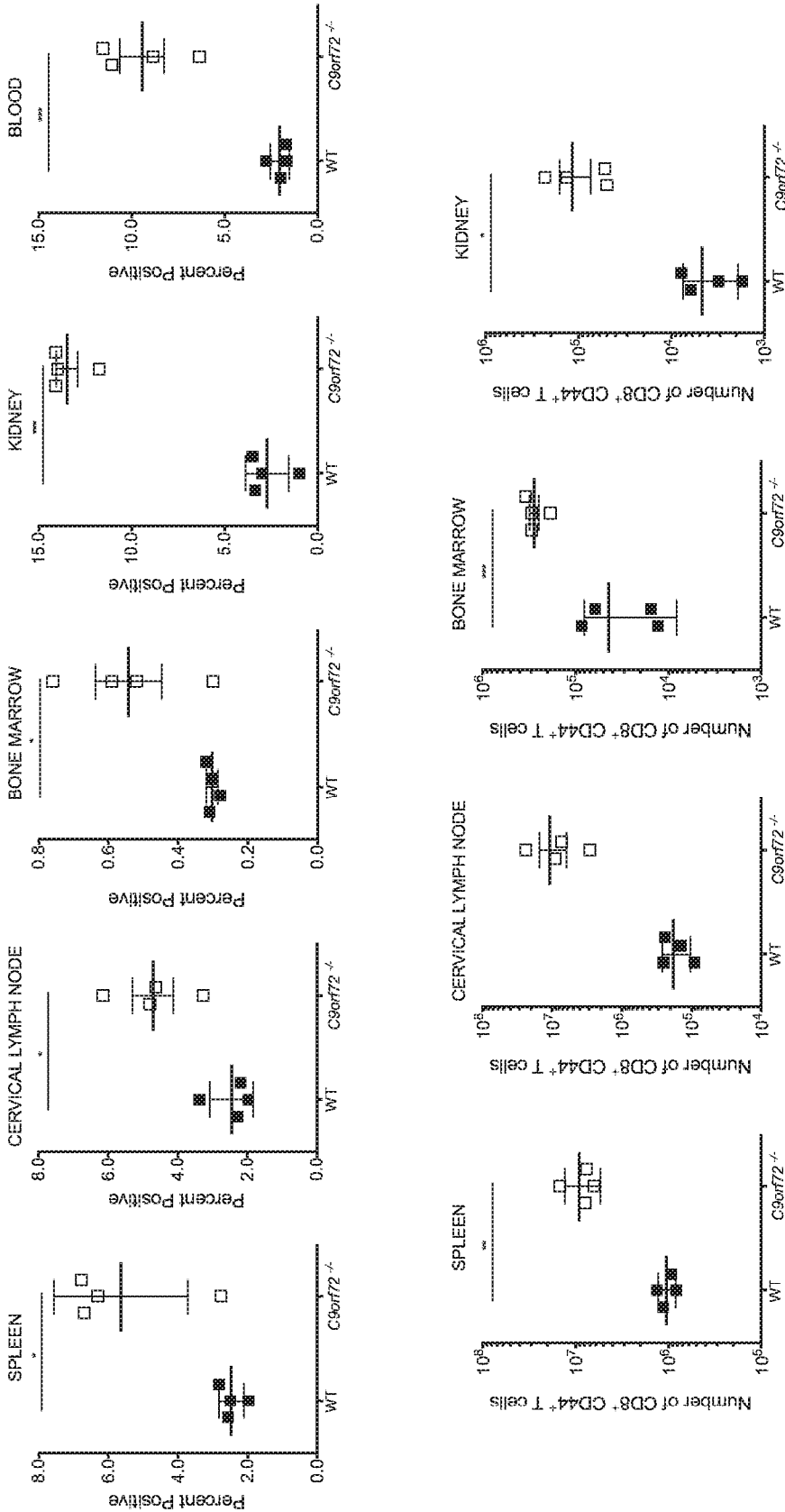


Figure 3V

CD4⁺CD44⁺ T CELLS

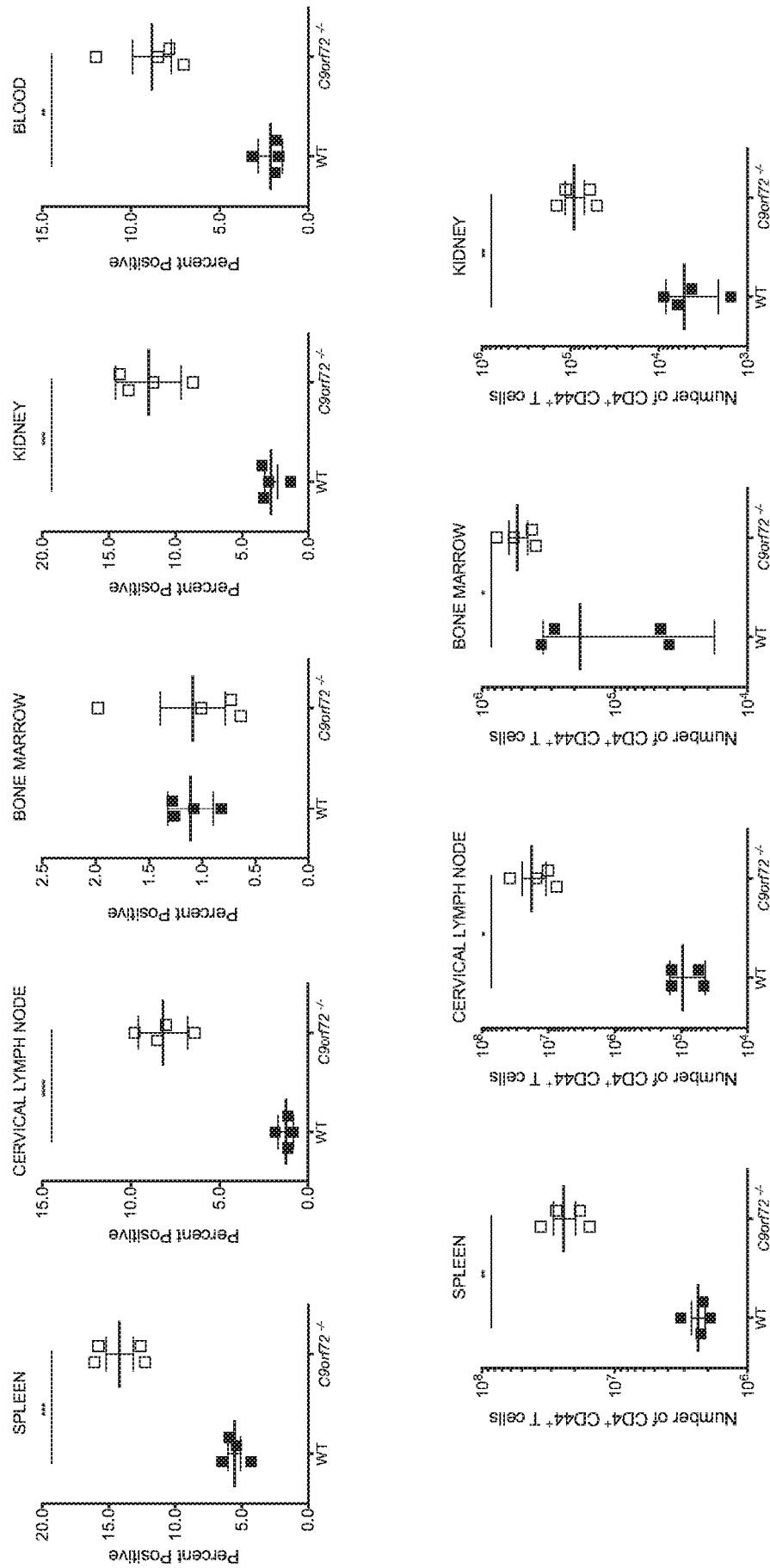


Figure 3W

CD8⁺CD69⁺ T CELLS

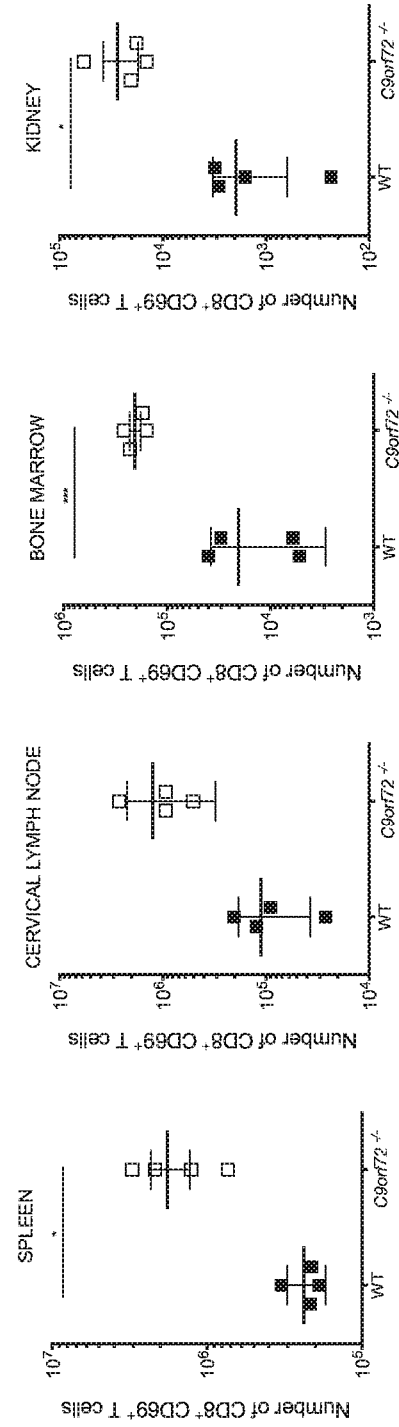
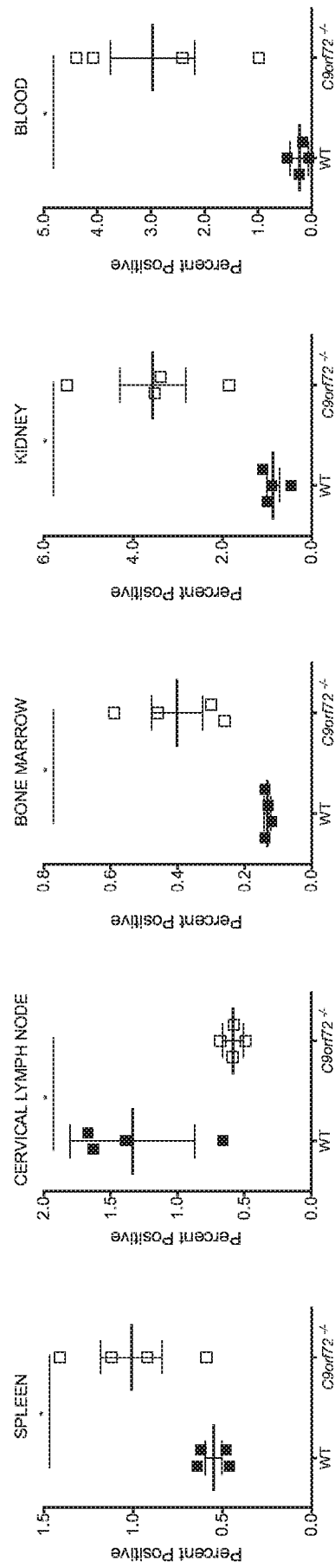


Figure 3X

CD4⁺CD69⁺ T CELLS

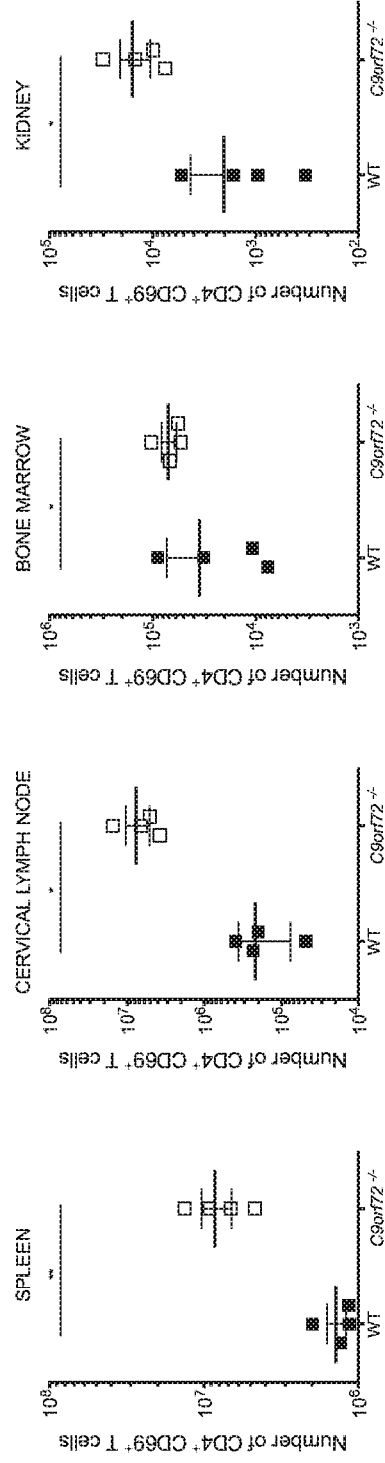
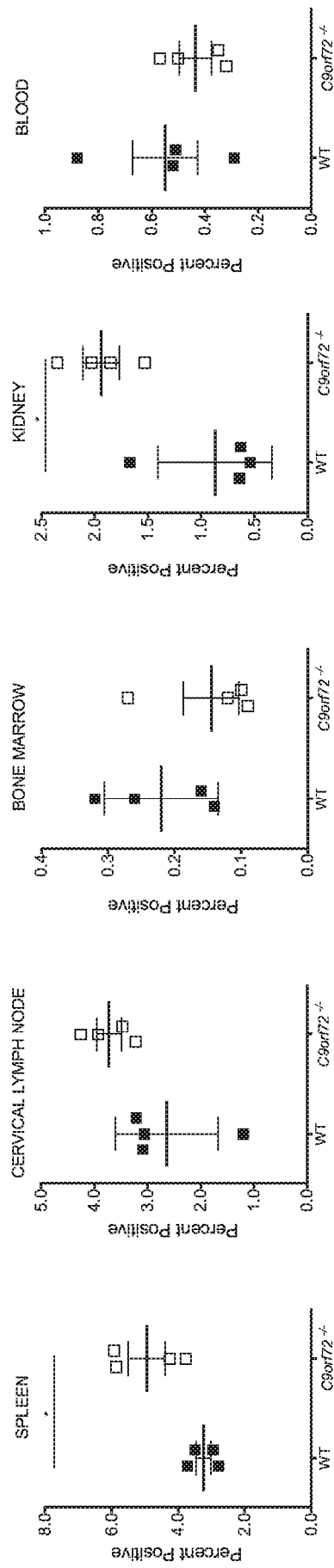


Figure 3Y

CD8⁺PD1⁺ T CELLS

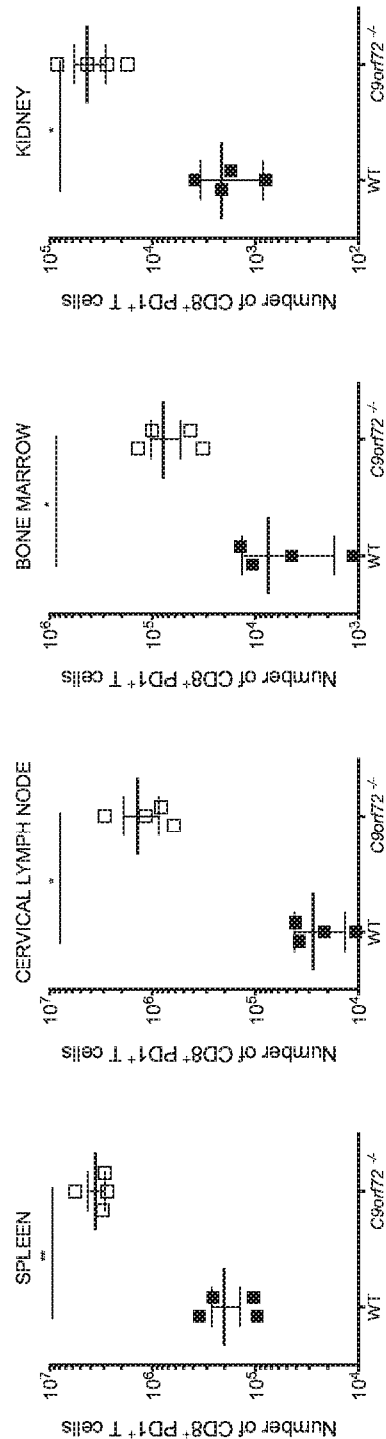
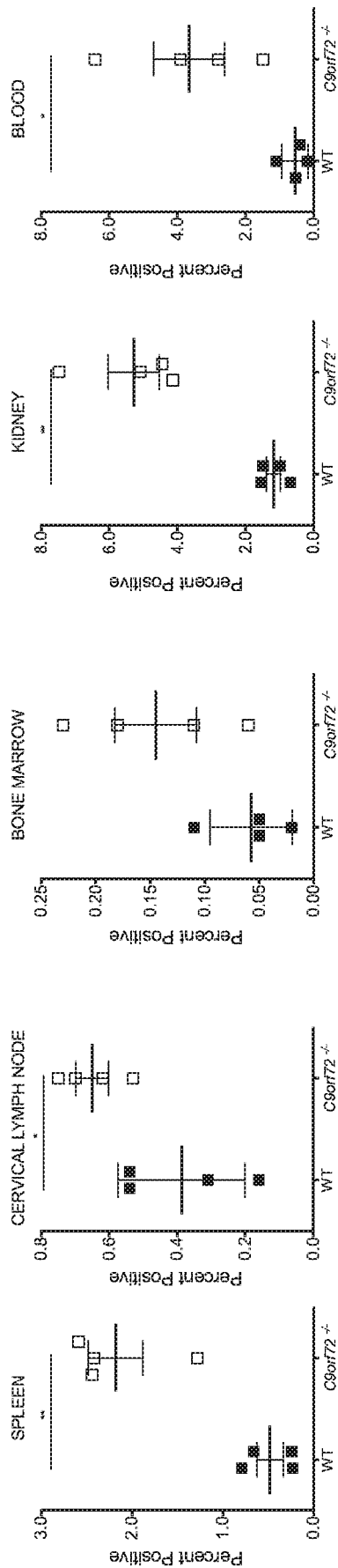


Figure 3Z

CD4⁺PD1⁺ T CELLS

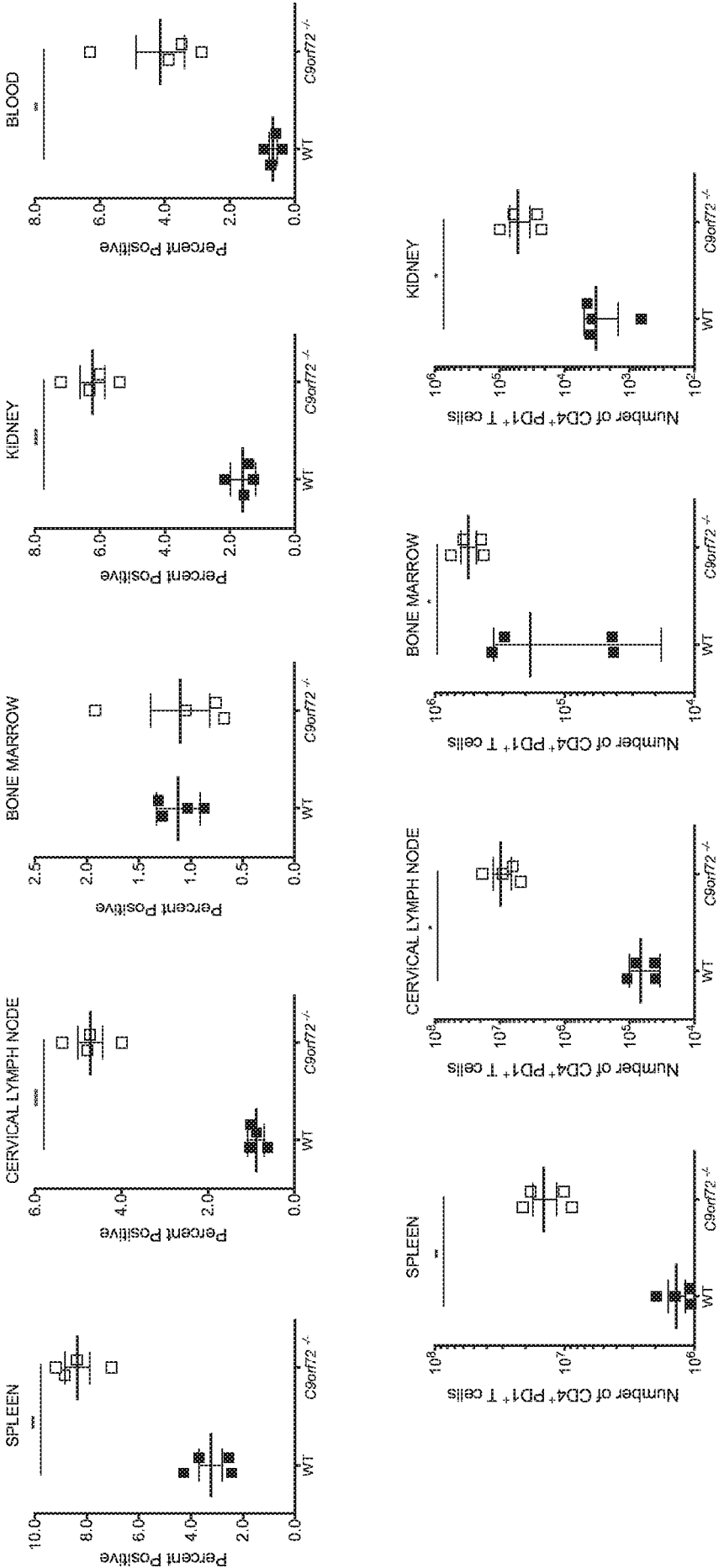


Figure 3AA

CD4⁺FoxP3⁺ T CELLS

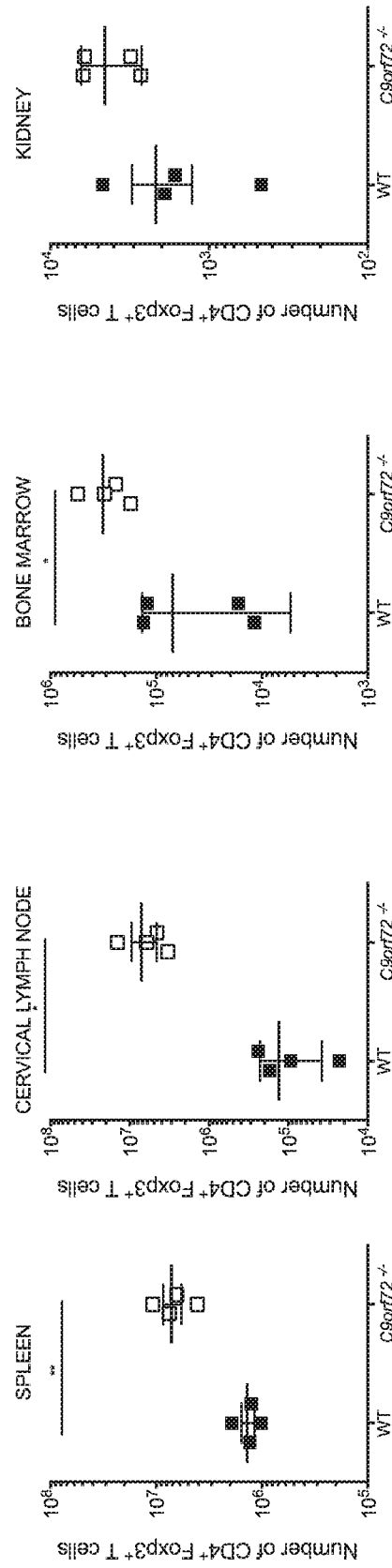
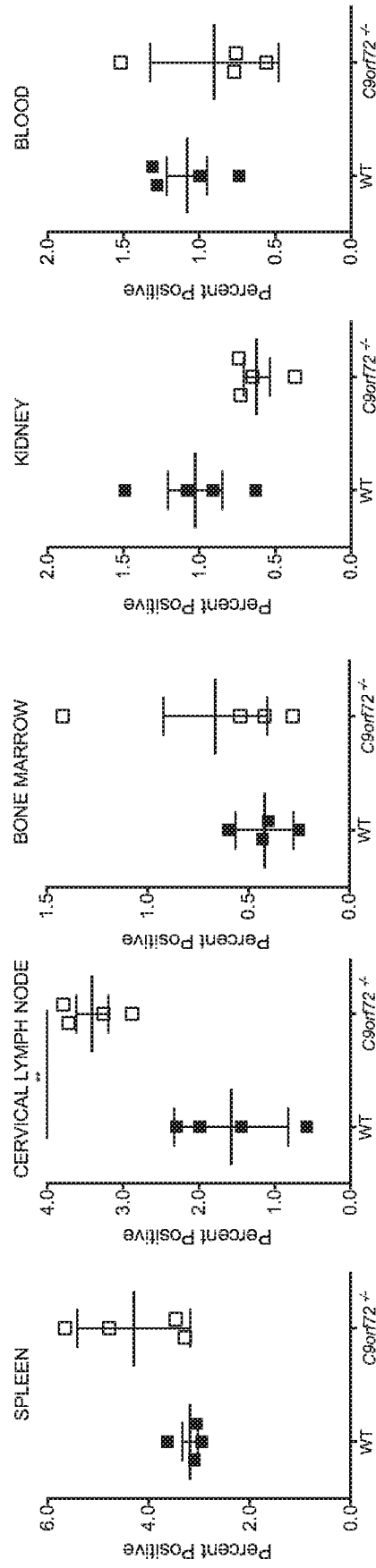


Figure 3AB

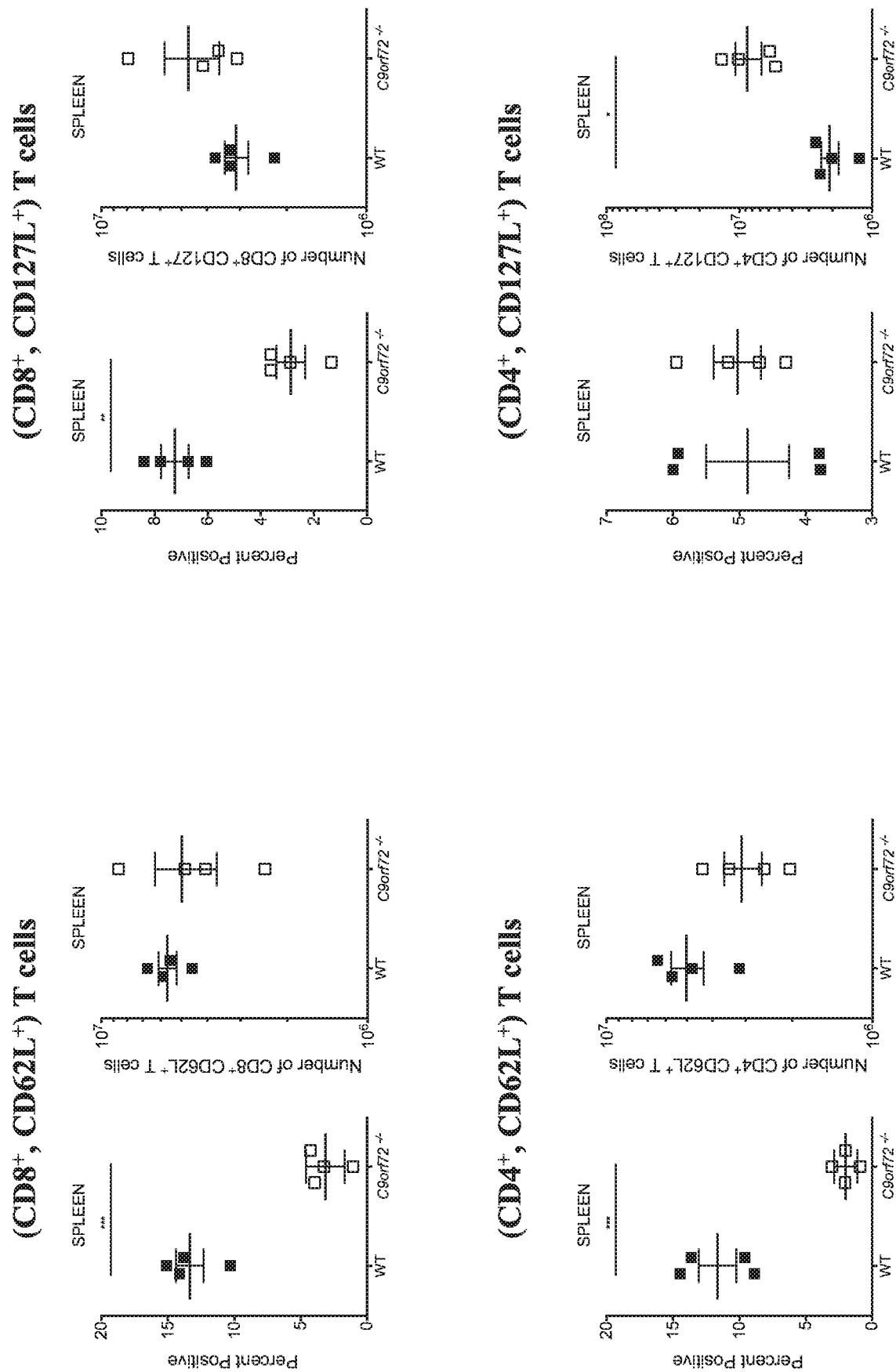


Figure 3AC

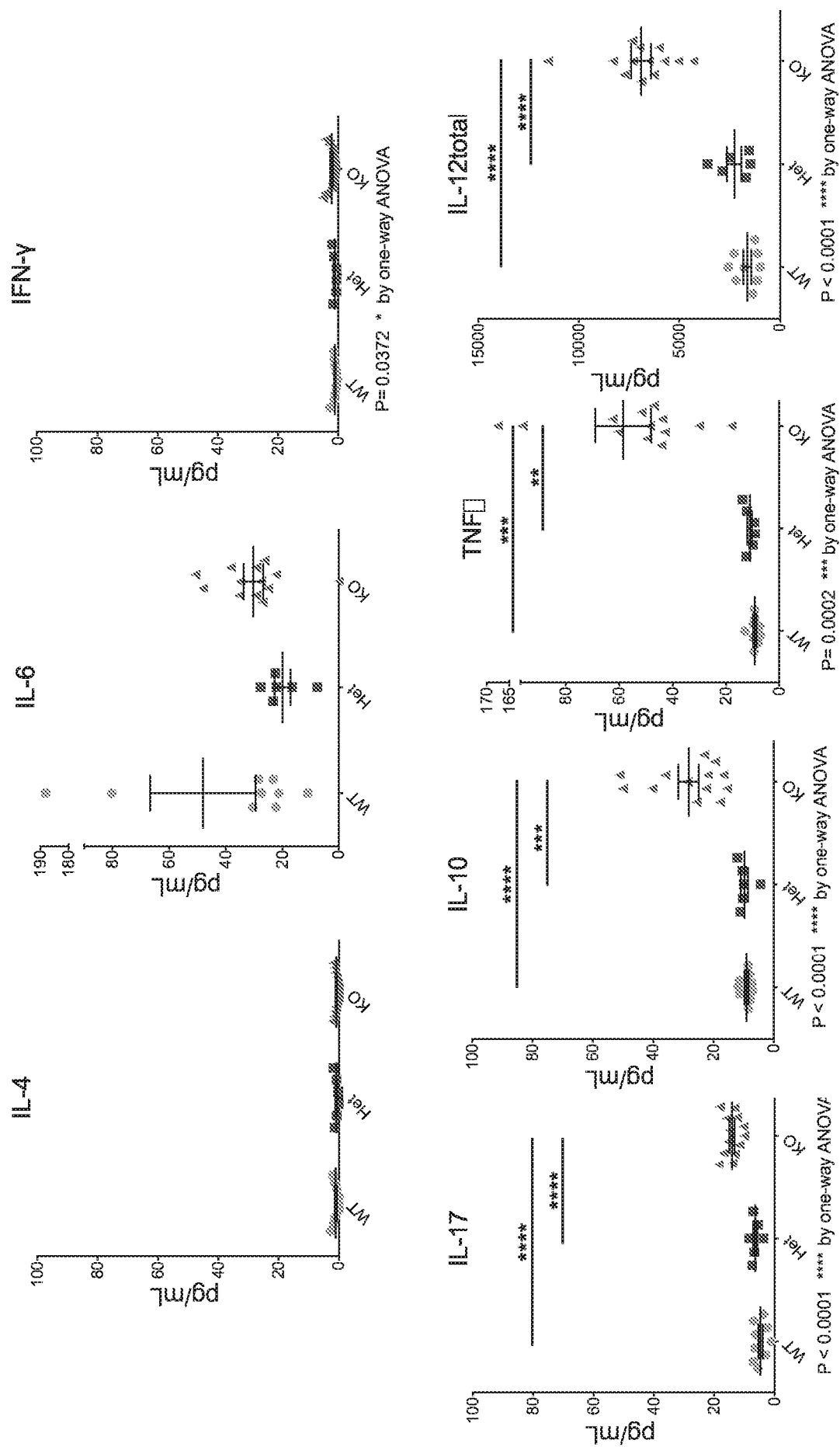


Figure 3AD

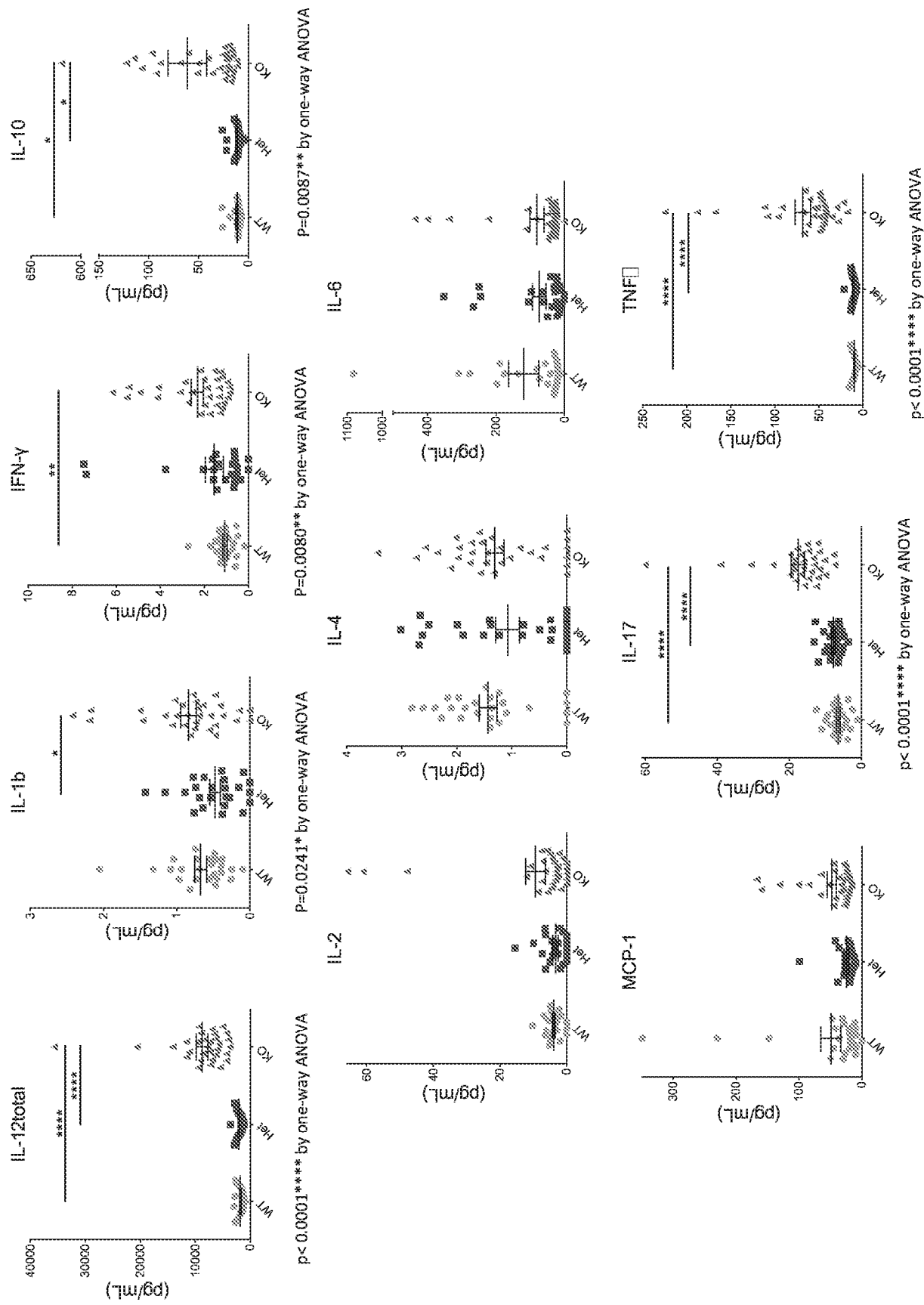


Figure 3AE

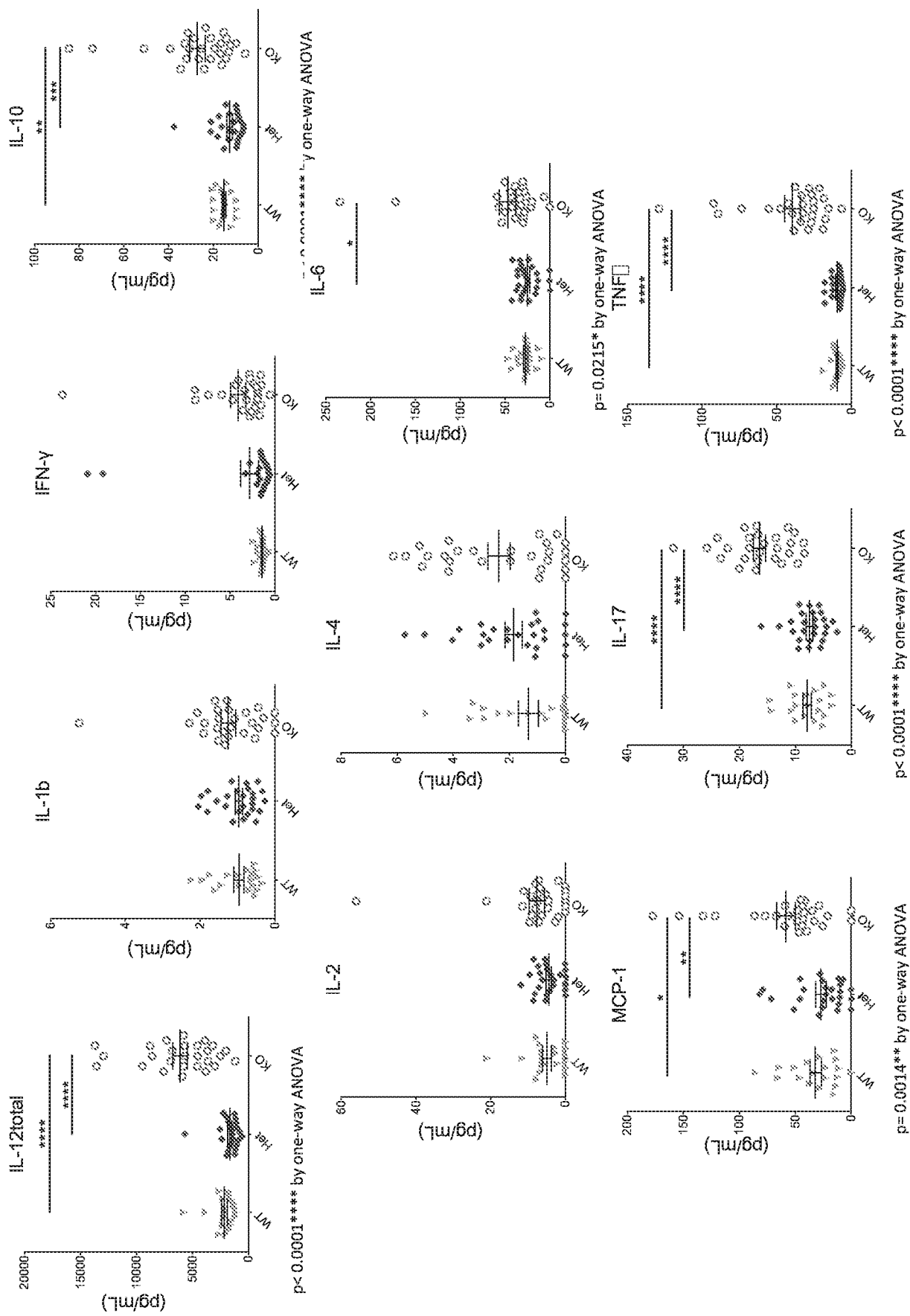


Figure 3AF

Figure 3AG

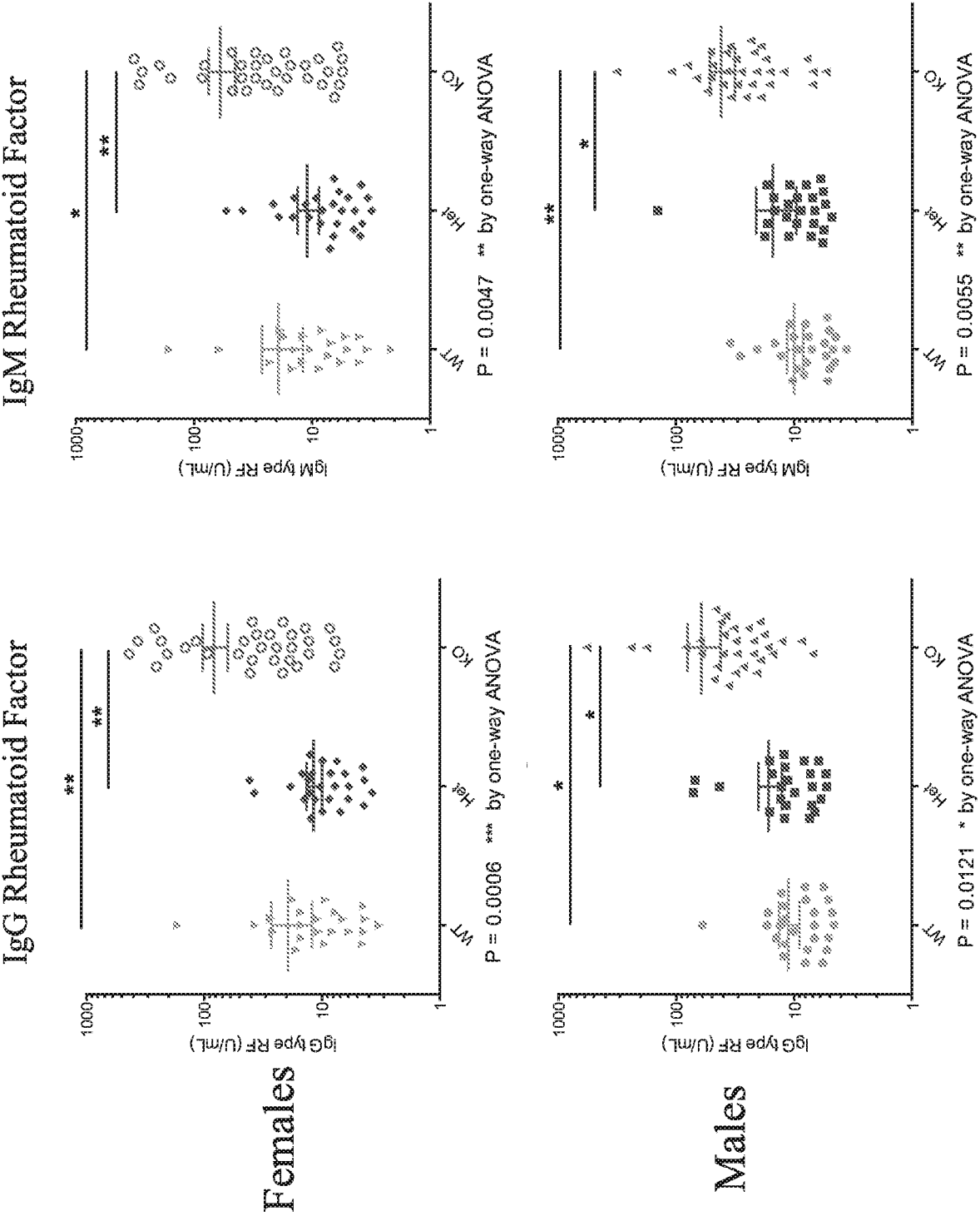


Figure 3AH

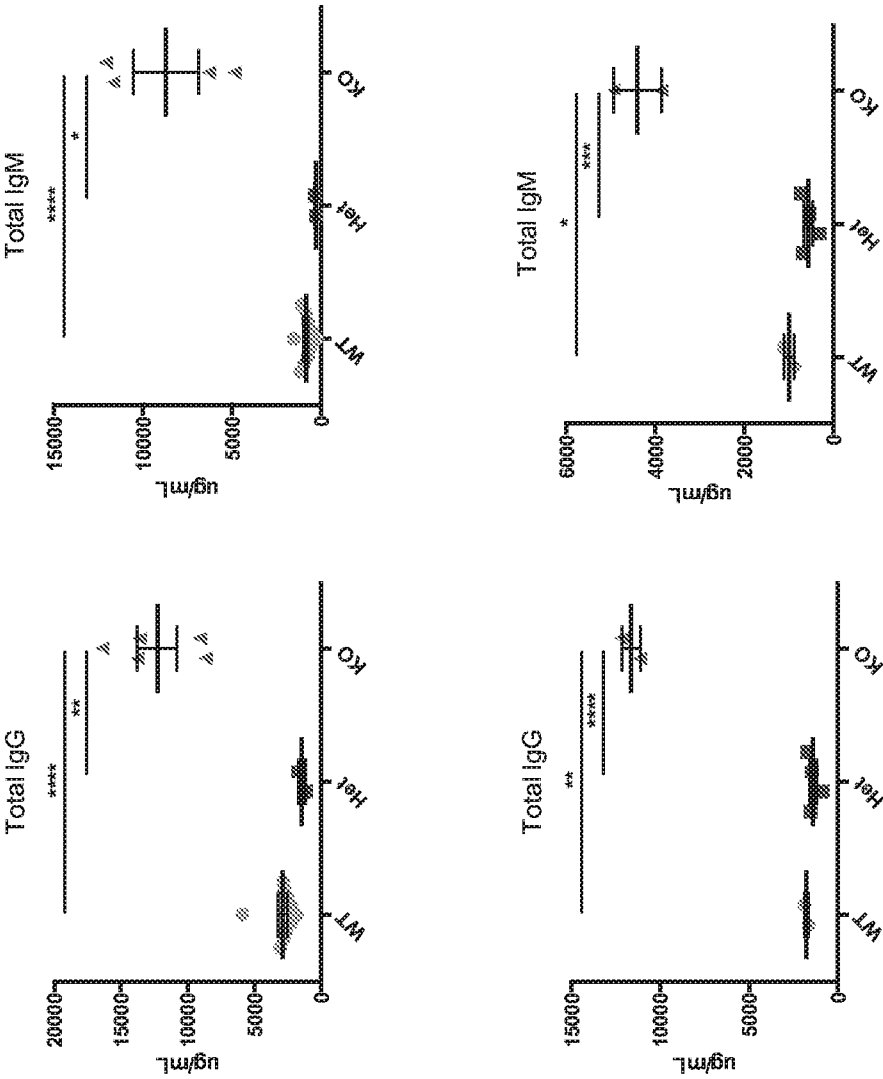


Figure 3AI

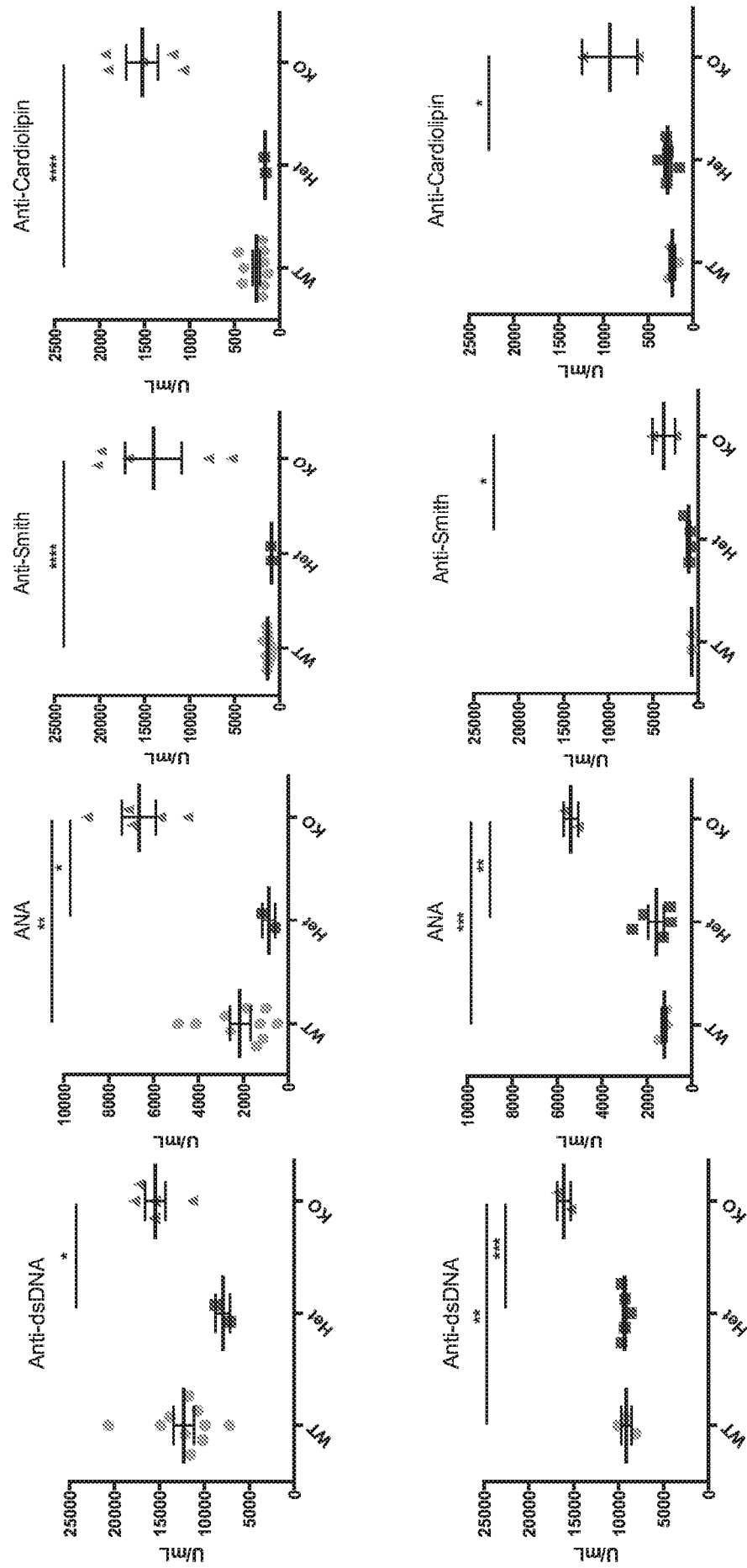


Figure 3AJ

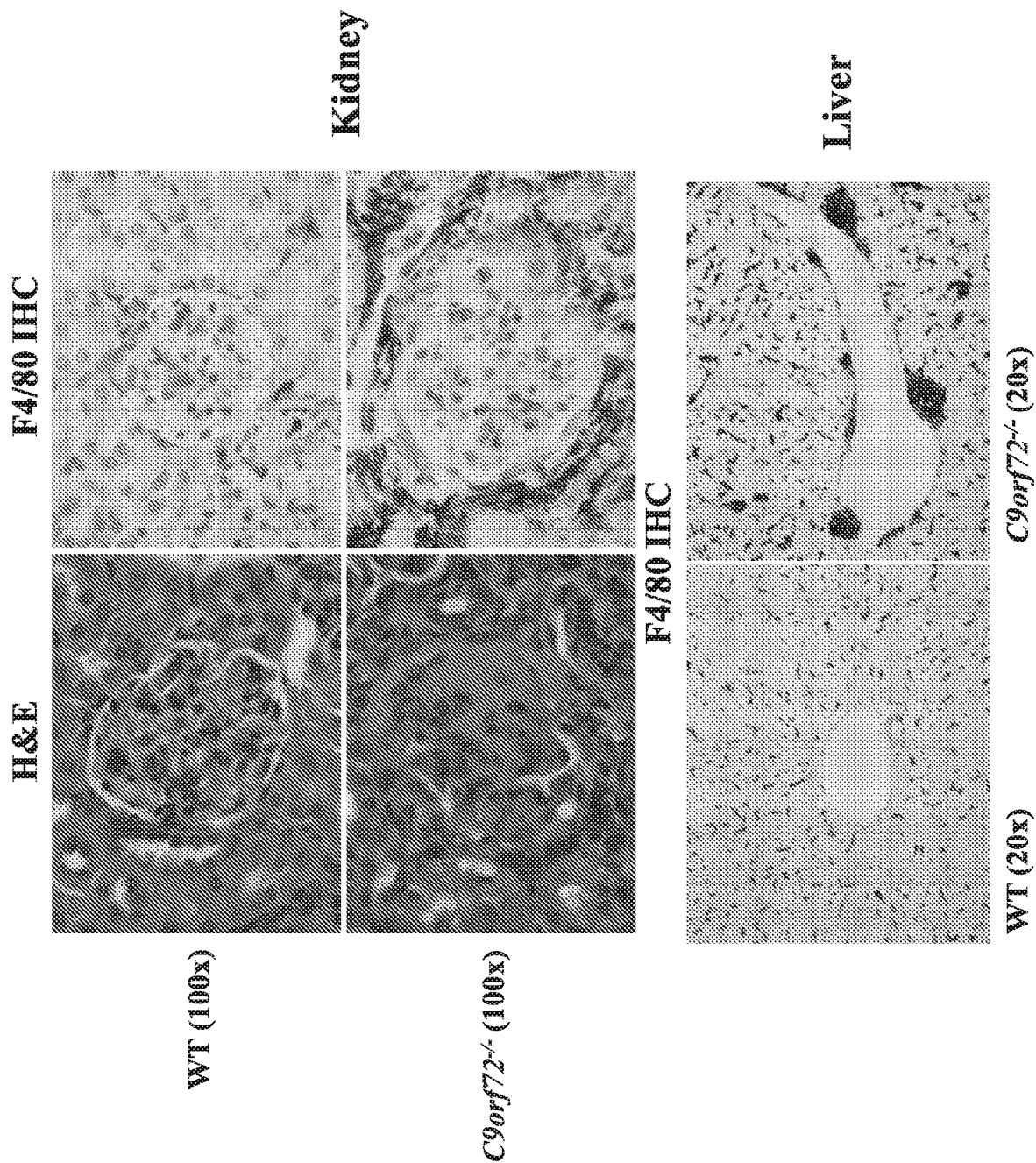


Figure 3AK

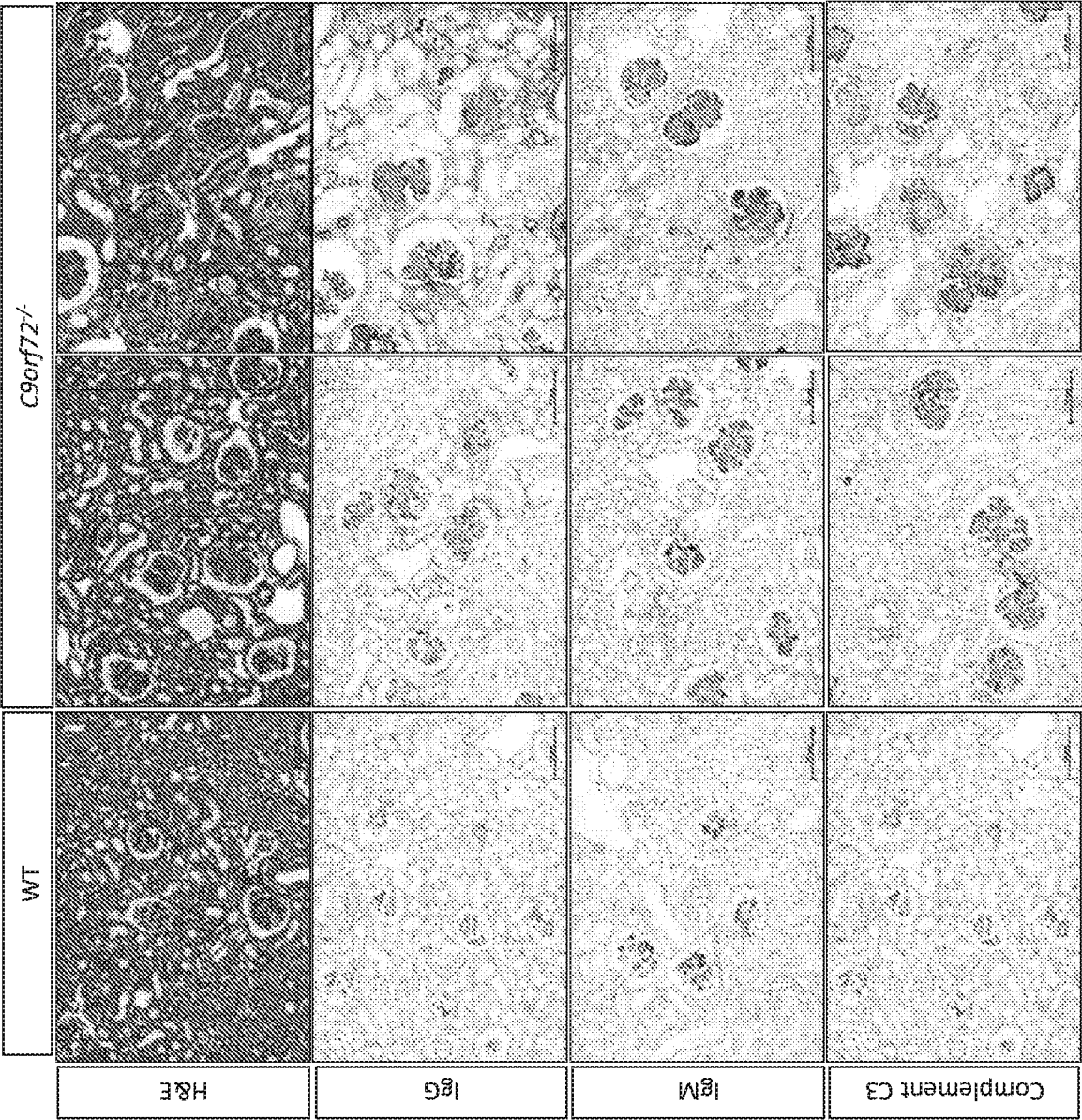


Figure 3AL

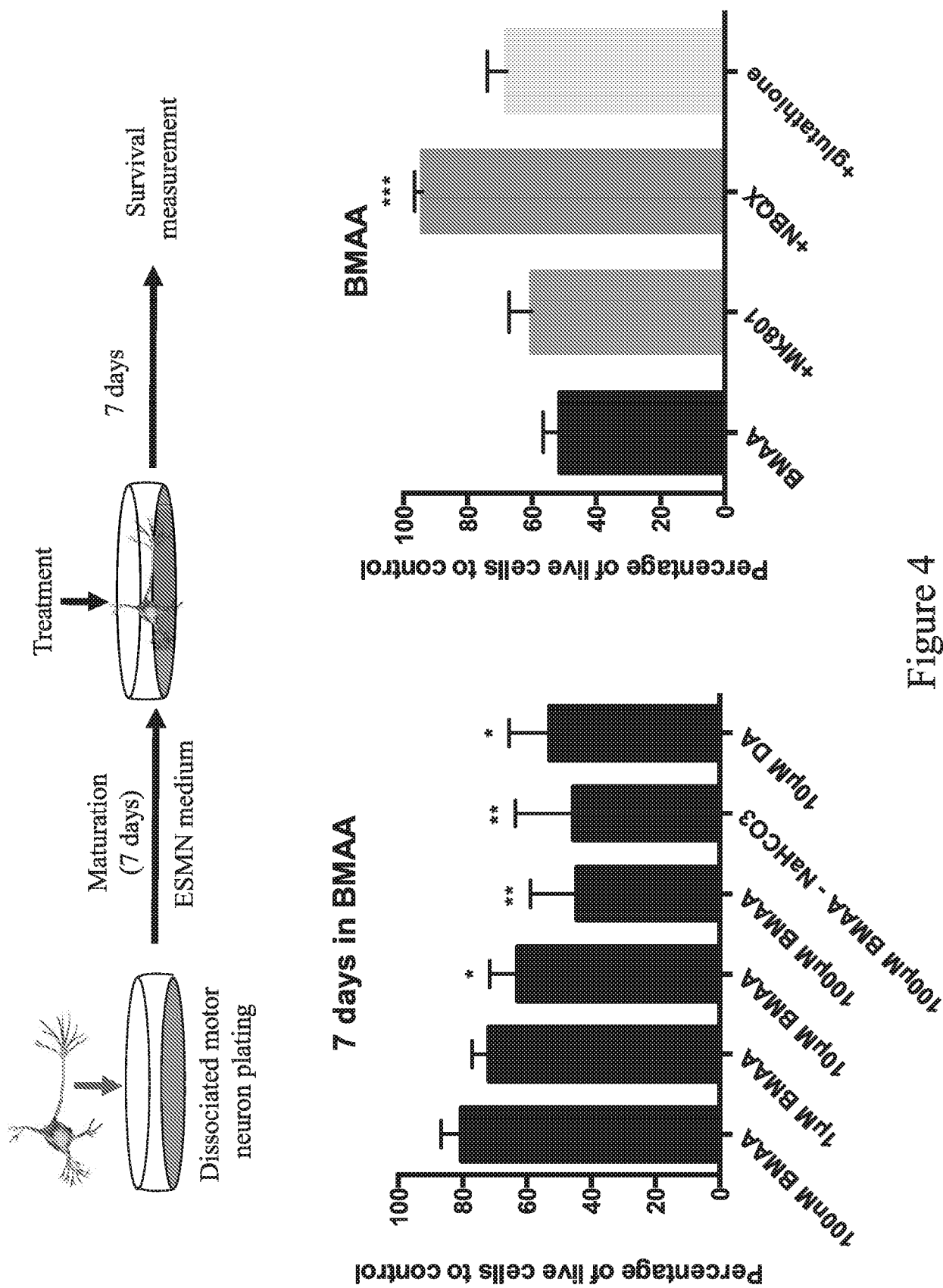


Figure 4

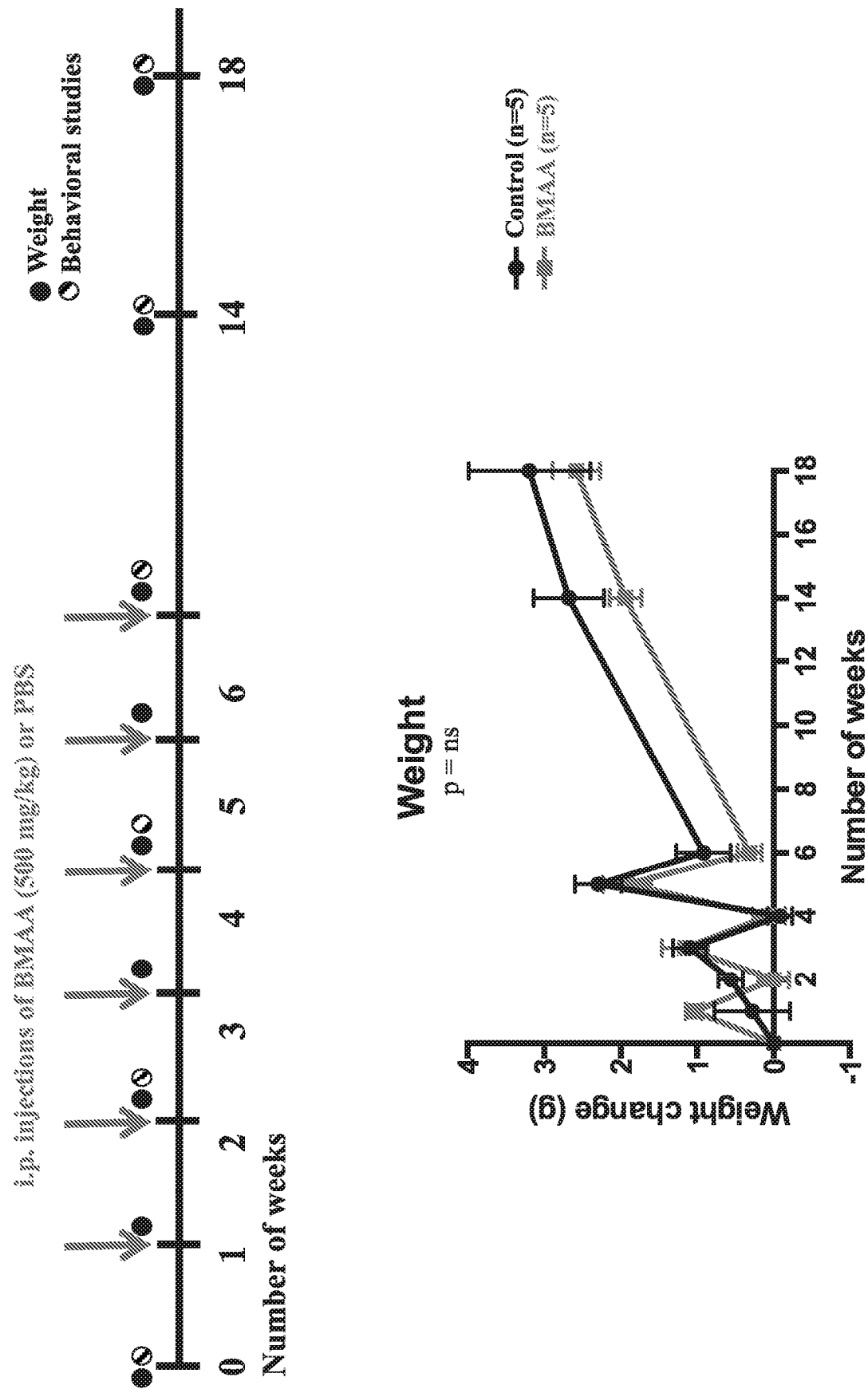


Figure 5A

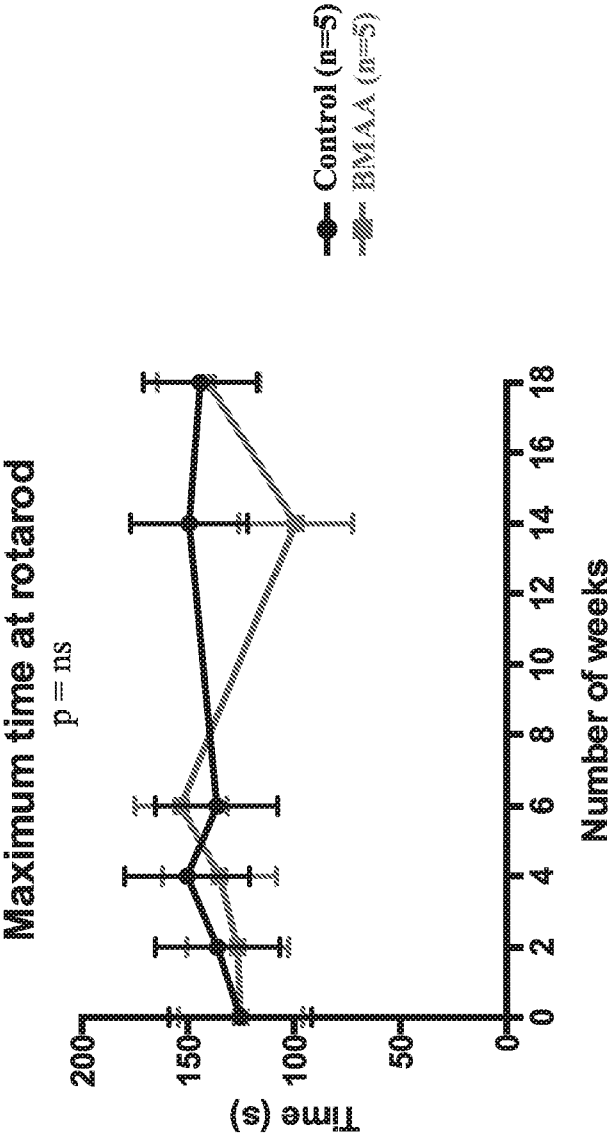


Figure 5B

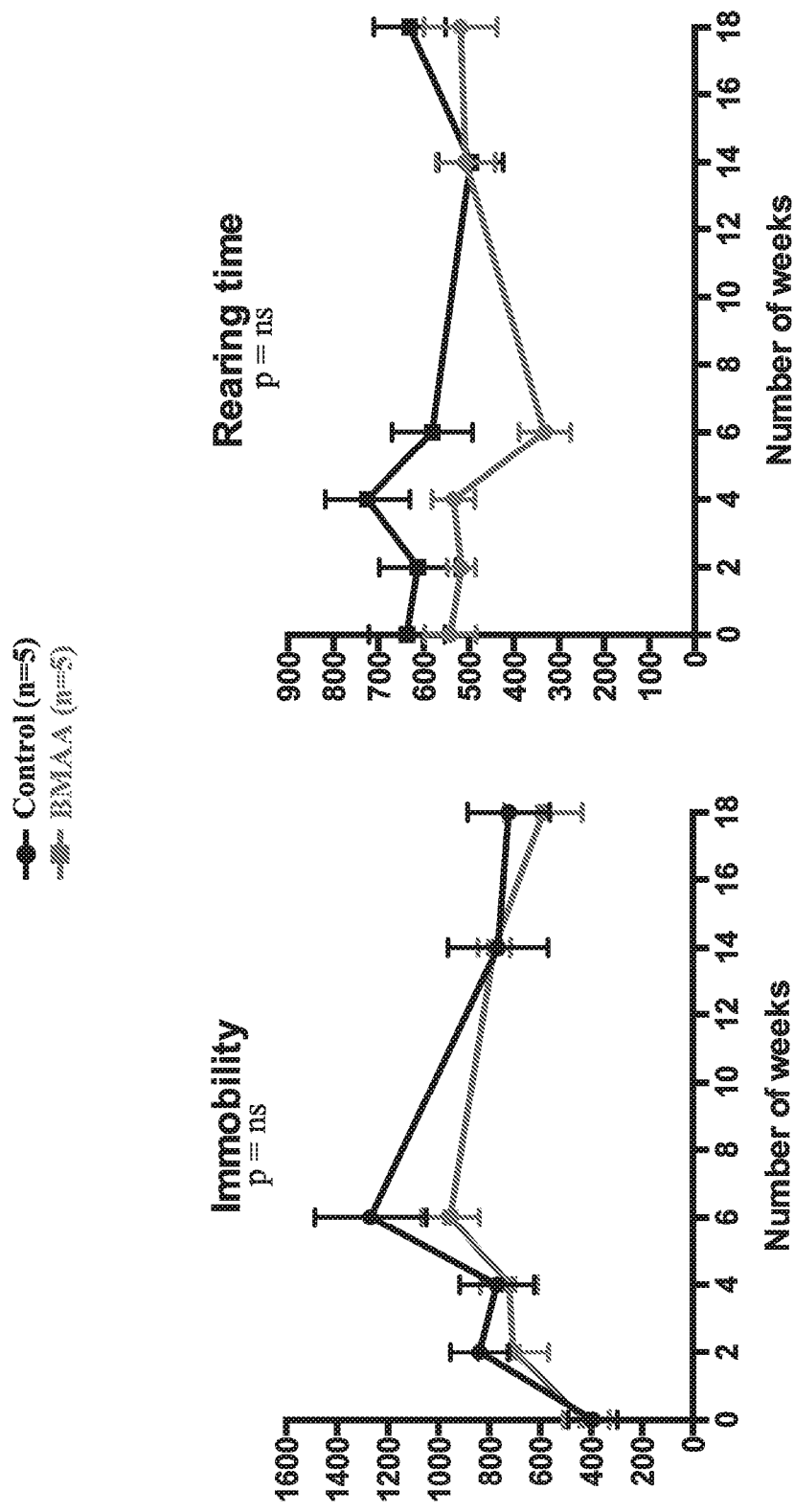


Figure 5C

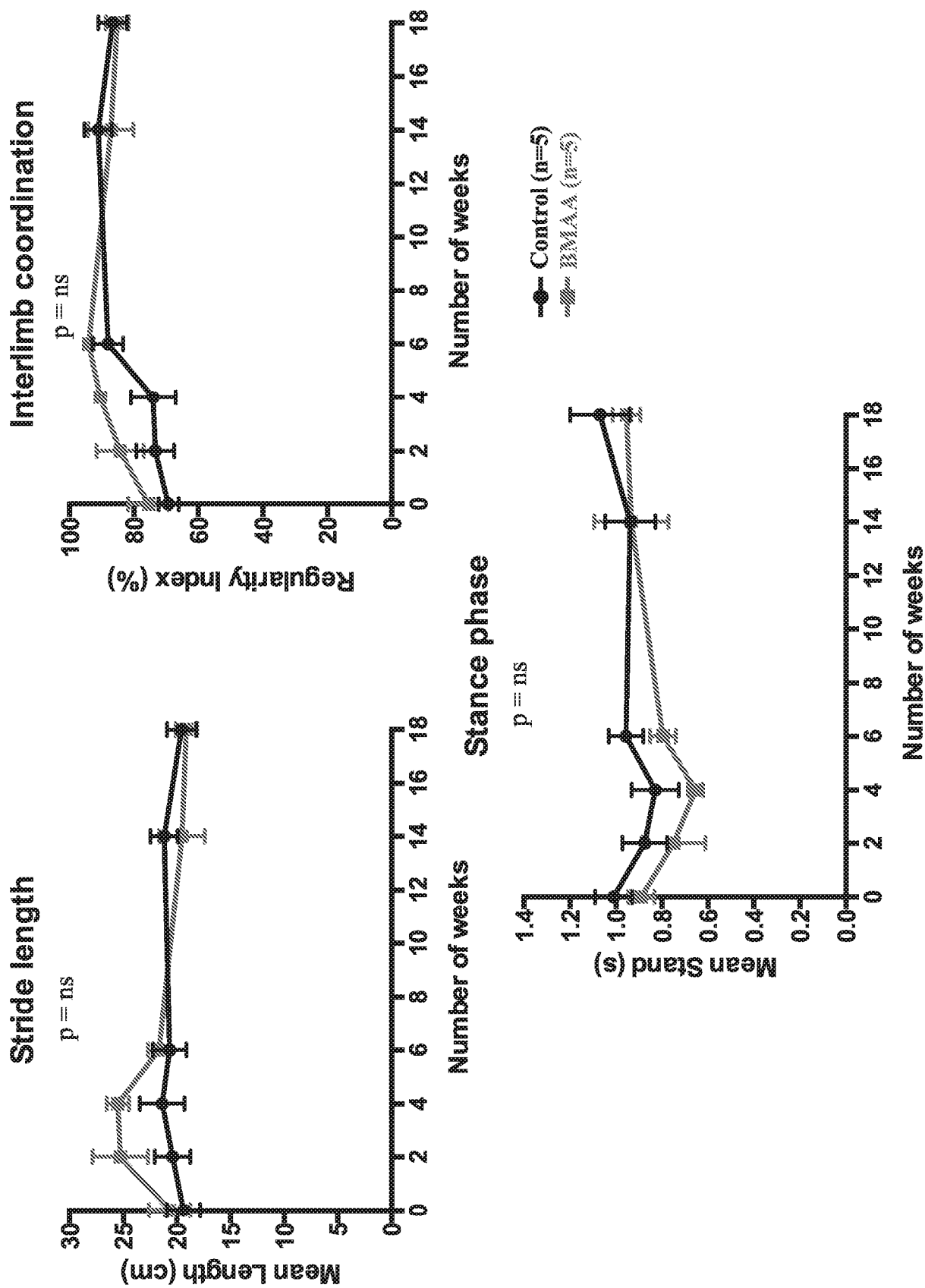


Figure 5D

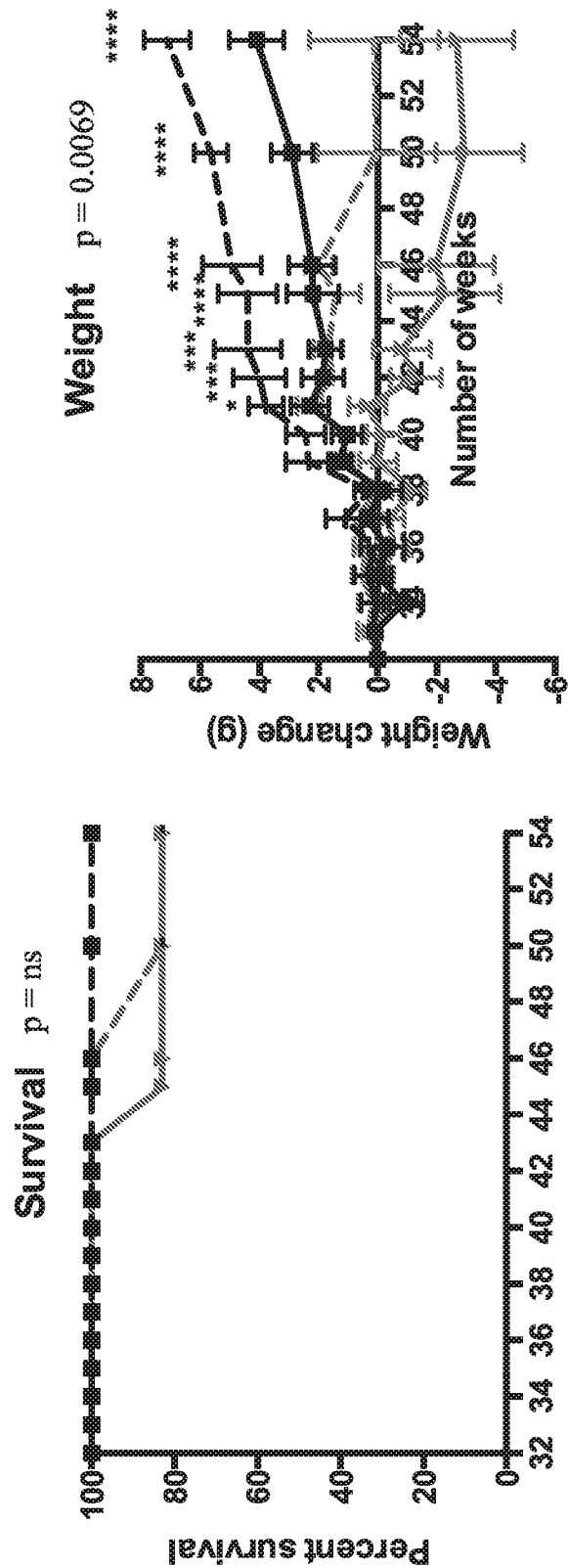
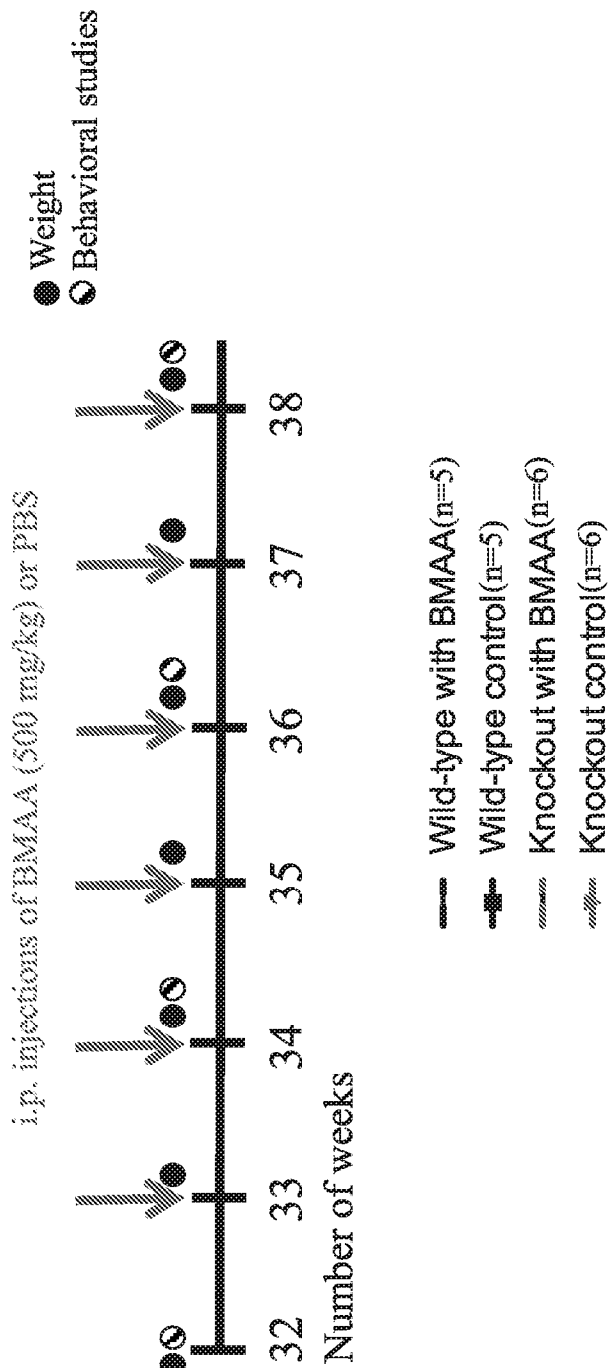


Figure 6A

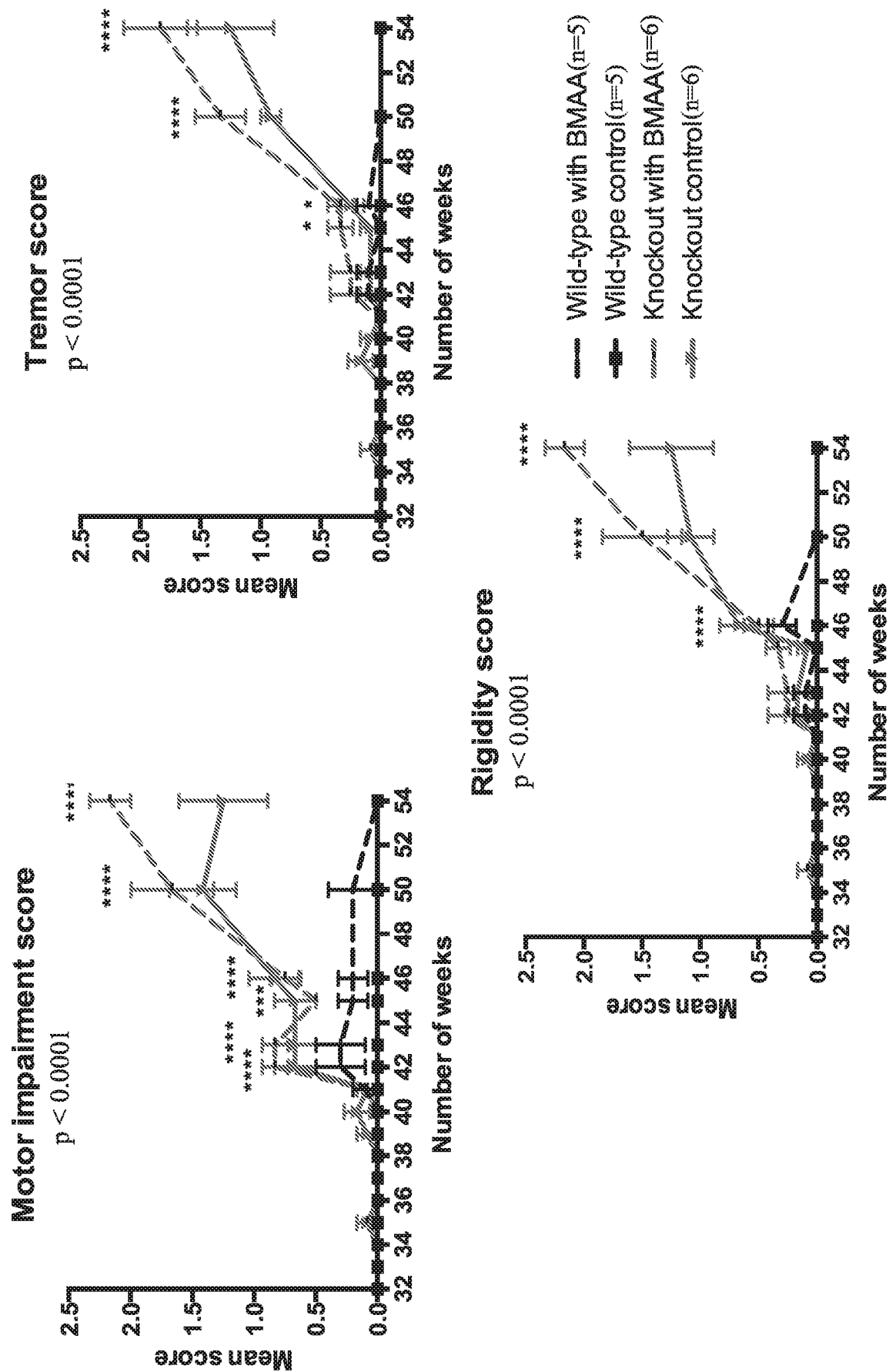


Figure 6B

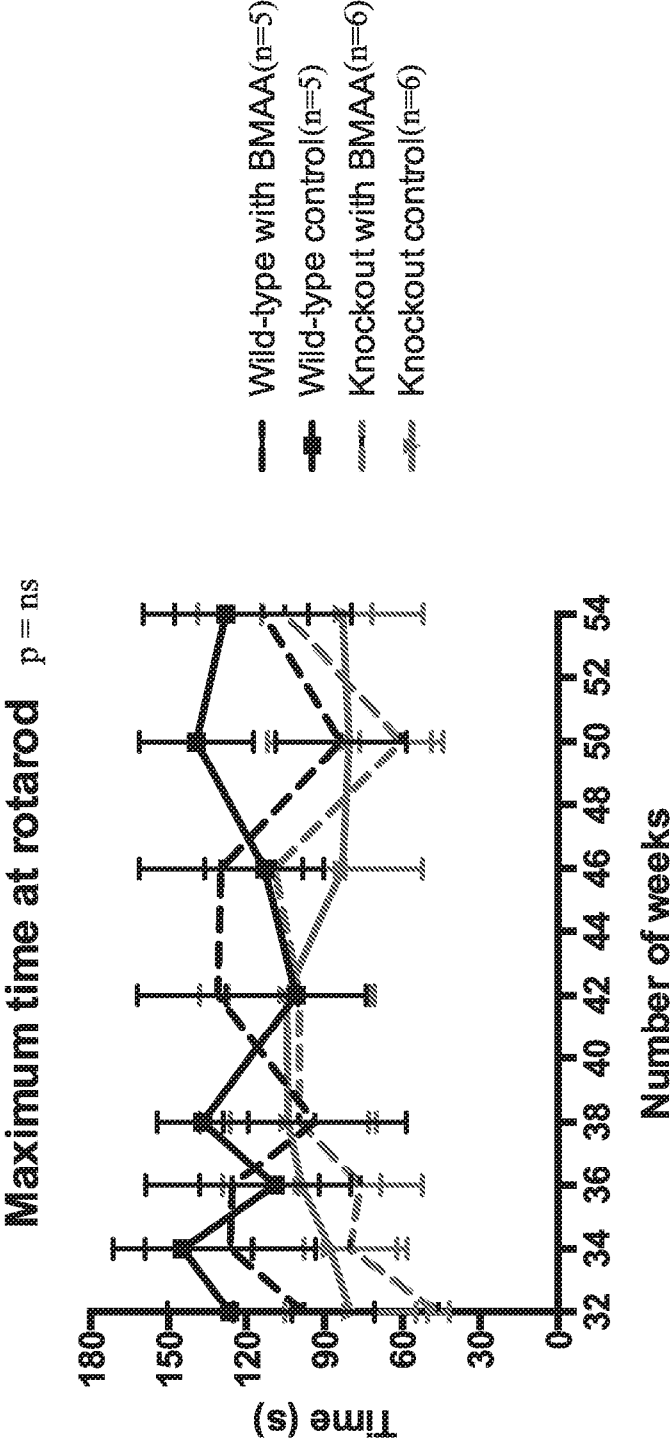


Figure 6C

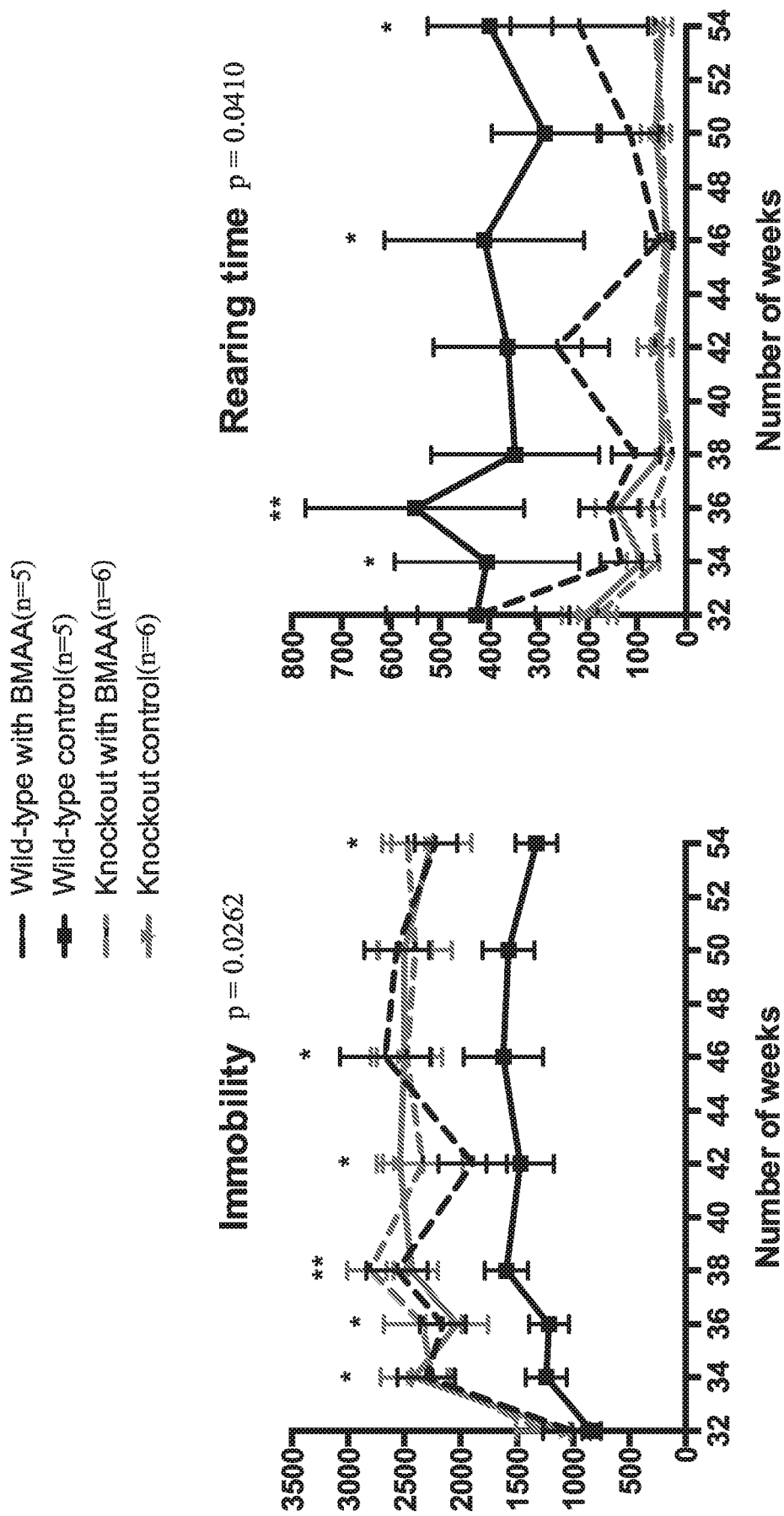


Figure 6D

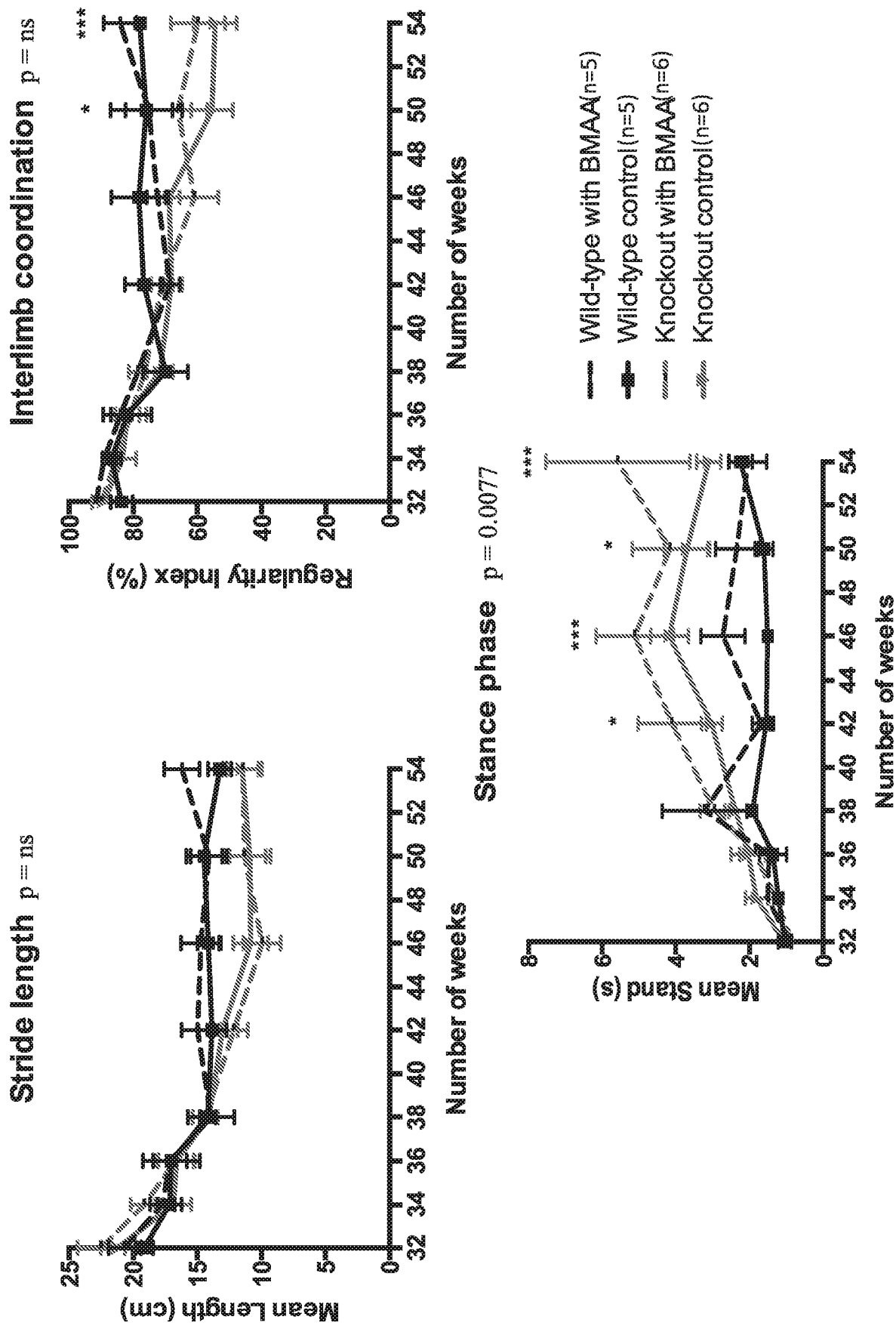


Figure 6E

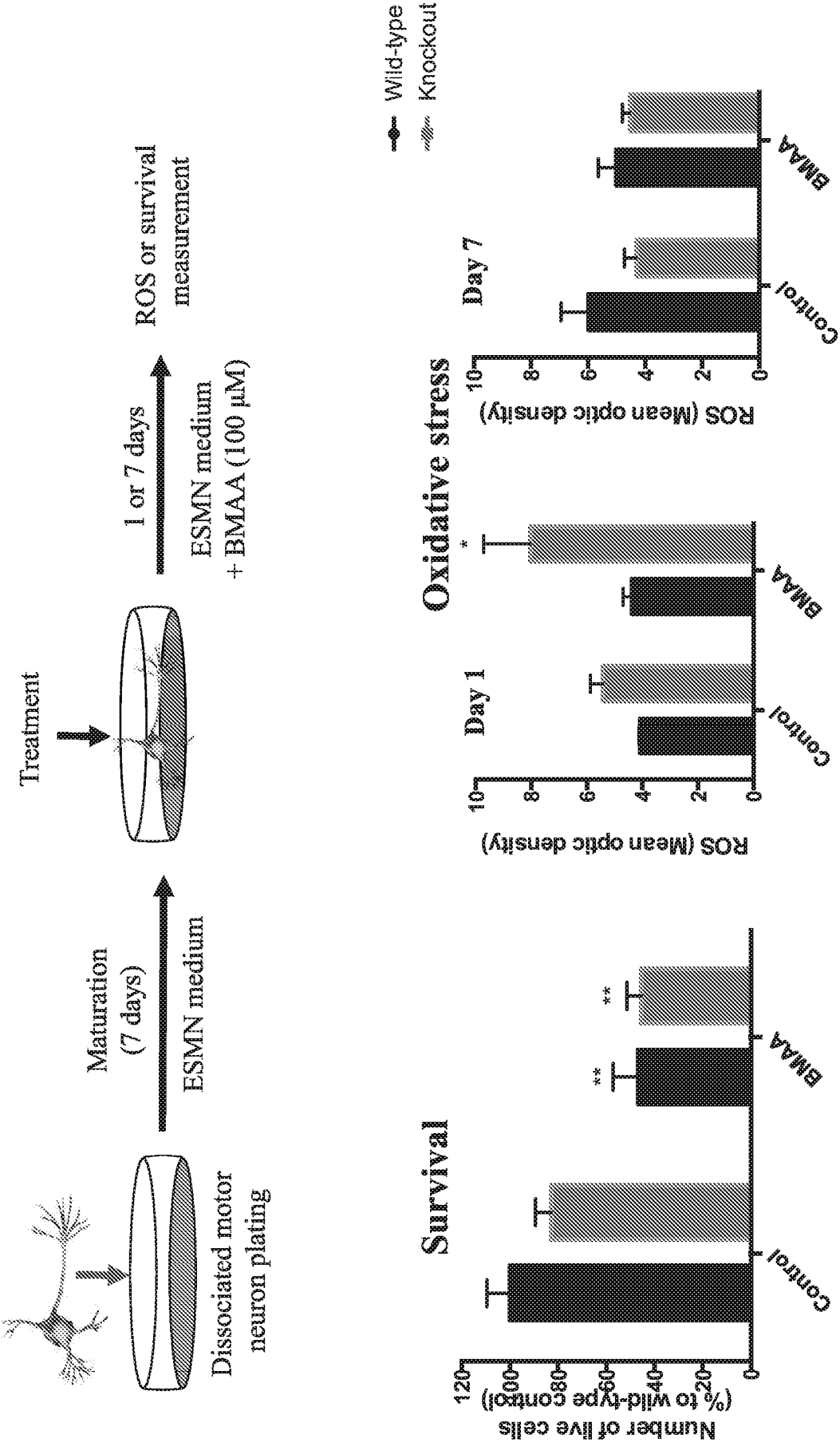


Figure 7

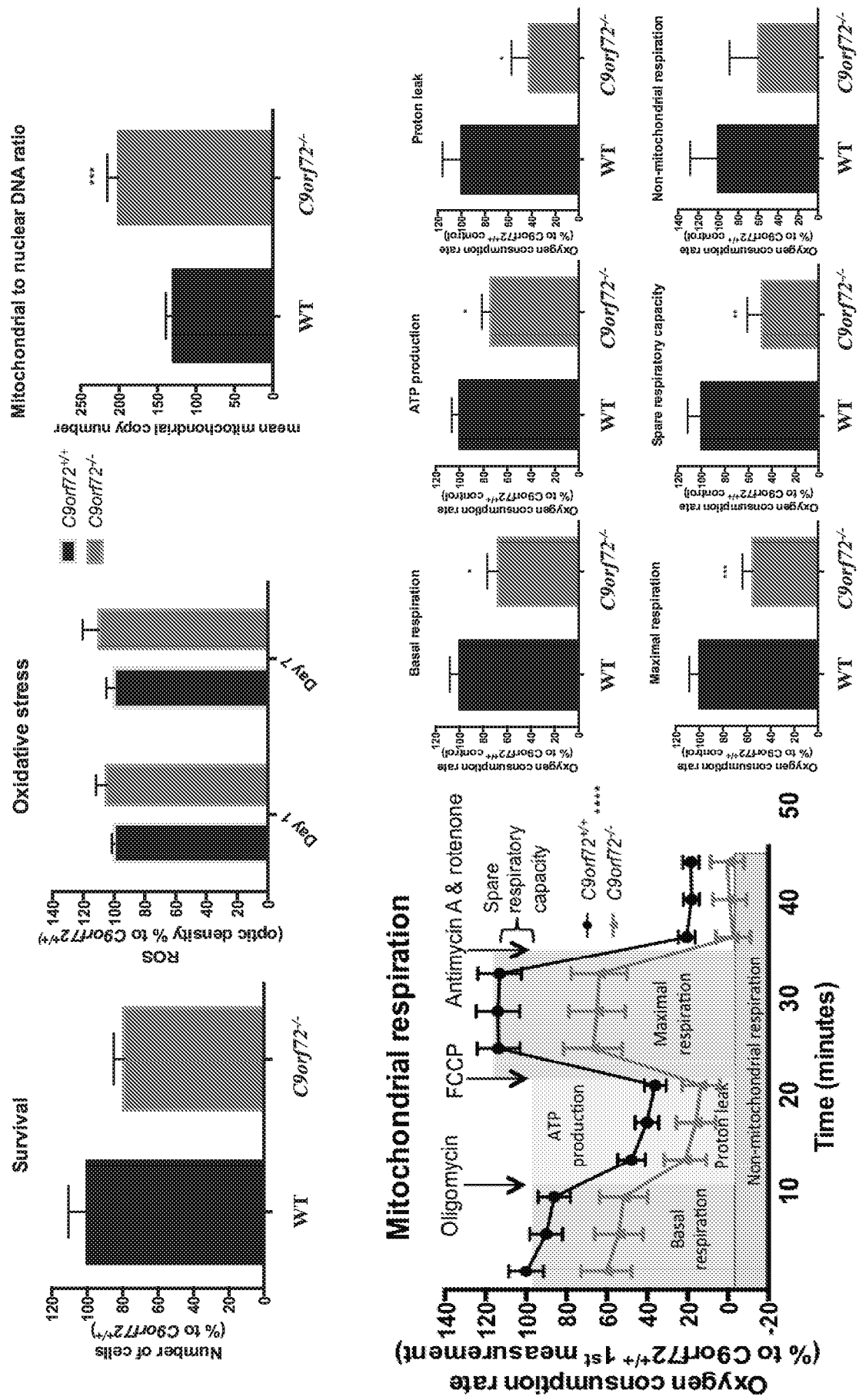


Figure 8

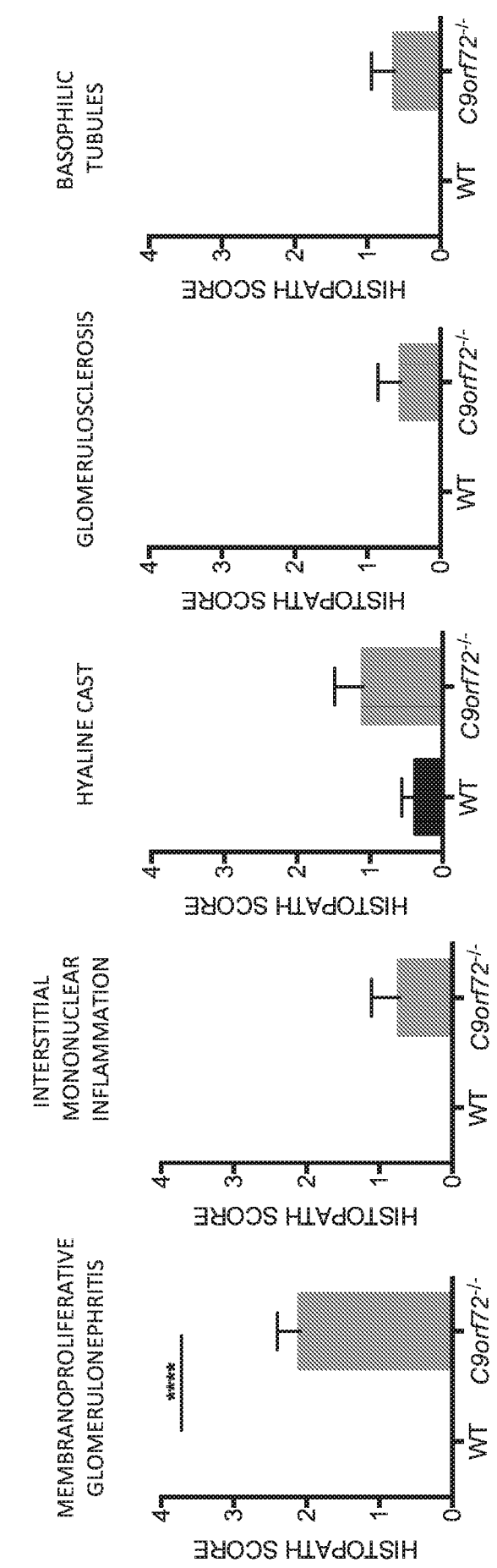


Figure 9A

Genotype	Age (wks)	Membranoproliferative Glomerulonephritis	Interstitial Mononuclear Inflammation	Hyaline Cast	Glomerulosclerosis	Basophilic Tubules
WT	38	0	0	0	0	0
WT	38	0	0	0	0	0
WT	40	0	0	0	0	0
WT	63	0	0	1	0	0
WT	63	0	0	0	0	0
WT	63	0	0	1	0	0
WT	63	0	0	0	0	0
WT	61	0	0	1	0	0
C9orf72 ^{-/-}	38	1	0	0	0	0
C9orf72 ^{-/-}	38	2	0	0	0	1
C9orf72 ^{-/-}	37	4	2	3	2	2
C9orf72 ^{-/-}	37	1	0	0	0	0
C9orf72 ^{-/-}	37	3	3	3	1	3
C9orf72 ^{-/-}	35	1	0	0	0	0
C9orf72 ^{-/-}	63	1	0	1	0	0
C9orf72 ^{-/-}	63	2	0	0	0	0
C9orf72 ^{-/-}	61	3	3	3	3	0
C9orf72 ^{-/-}	61	2	0	1	0	1
C9orf72 ^{-/-}	61	3	0	1	0	0

Figure 9B

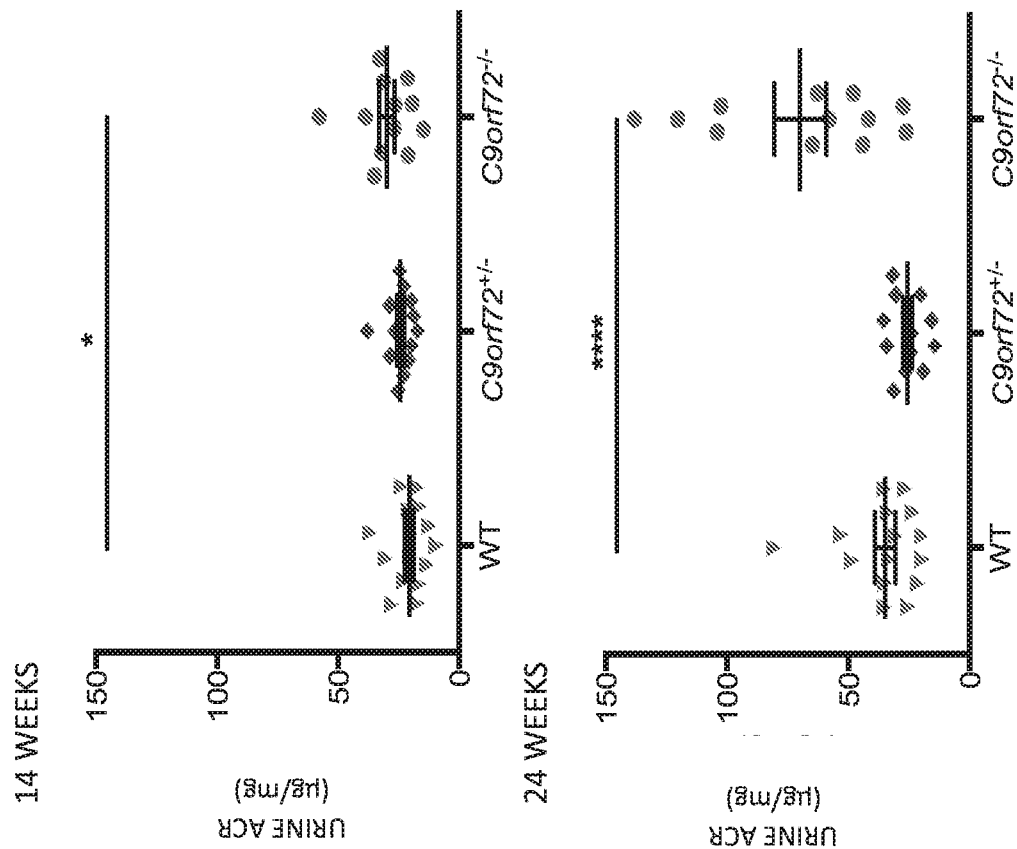


Figure 9C

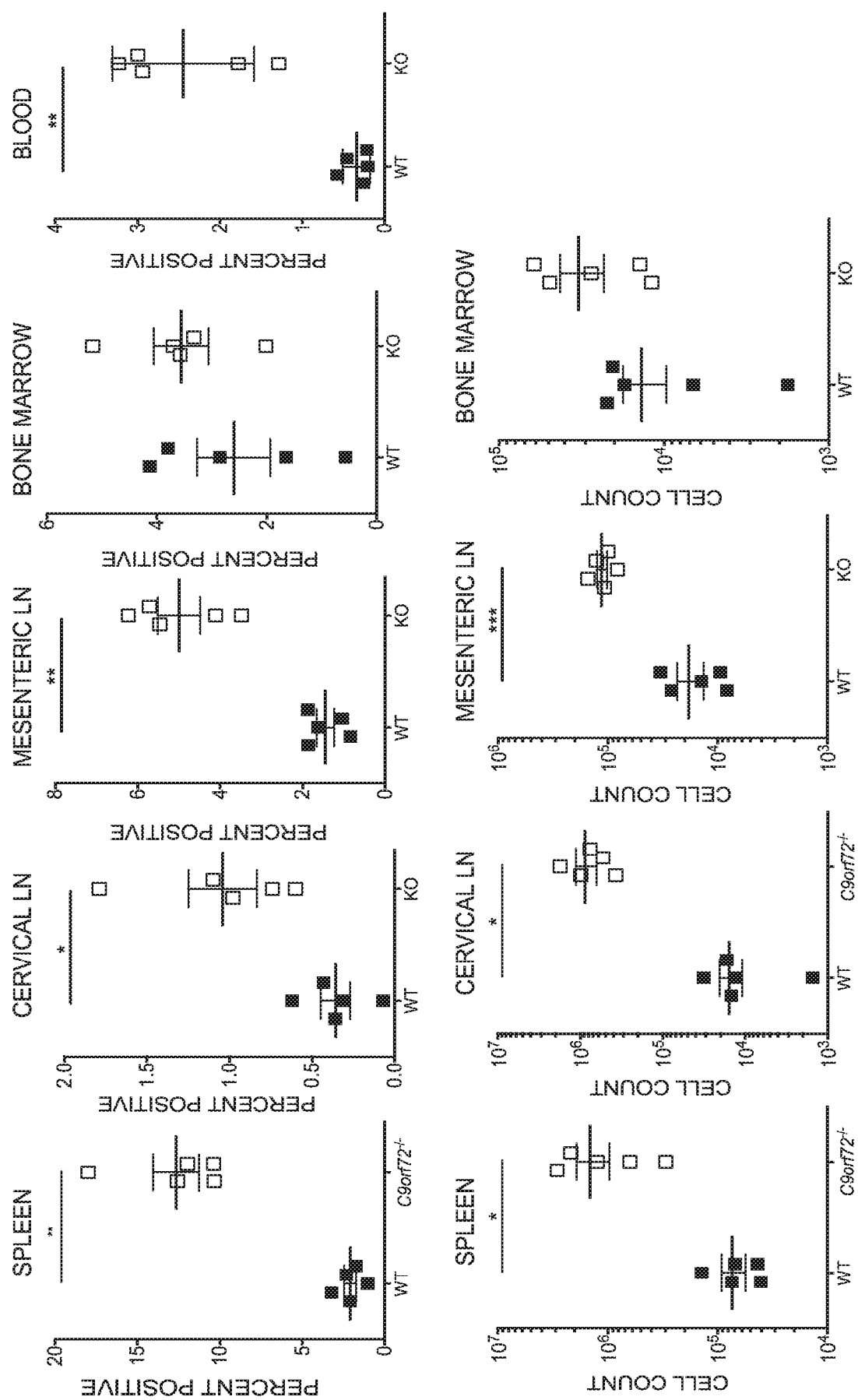


Figure 10