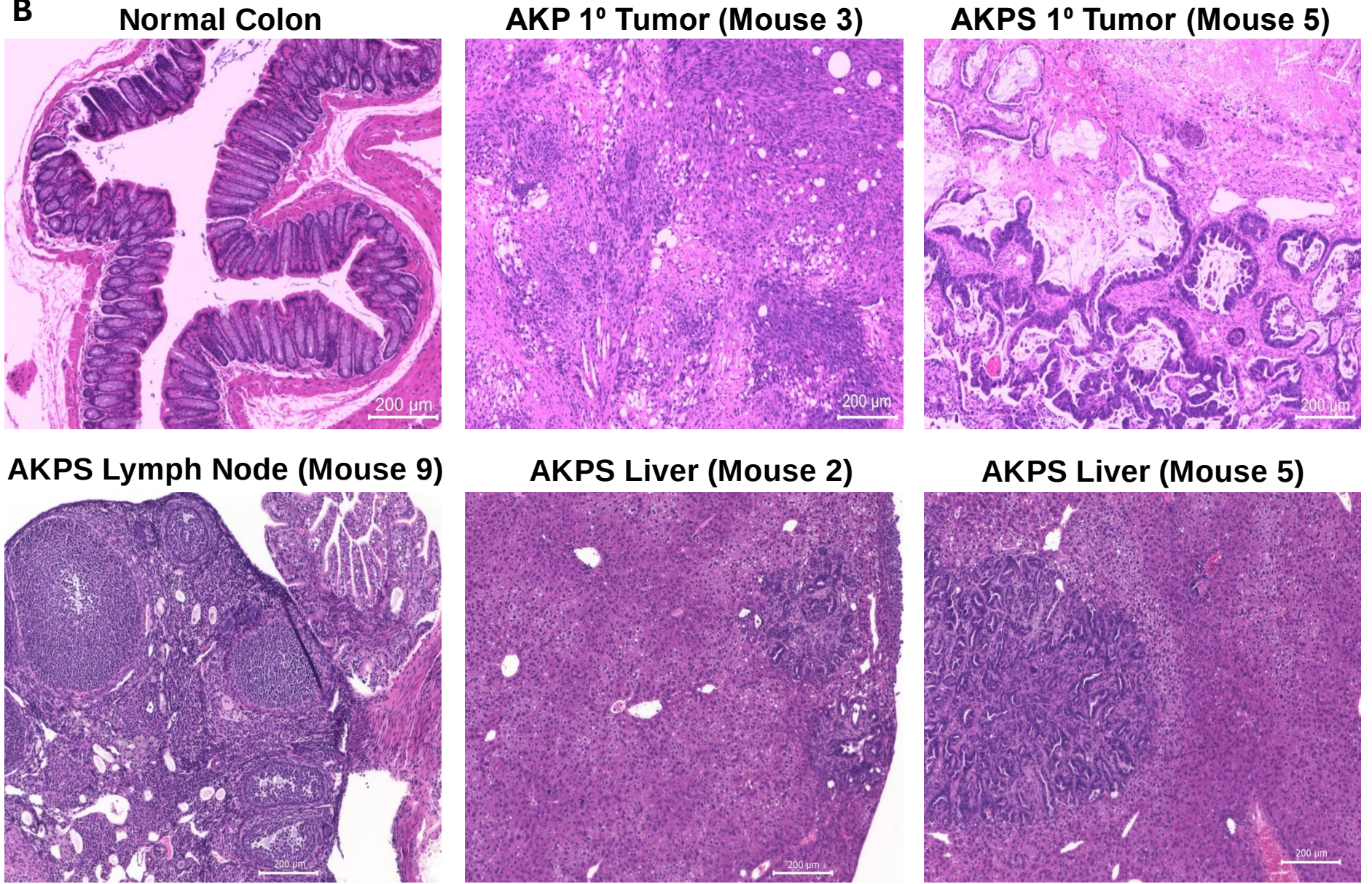


Supplemental Figure 1: Tumor growth and morphology characteristics of AKP and AKPS tumors

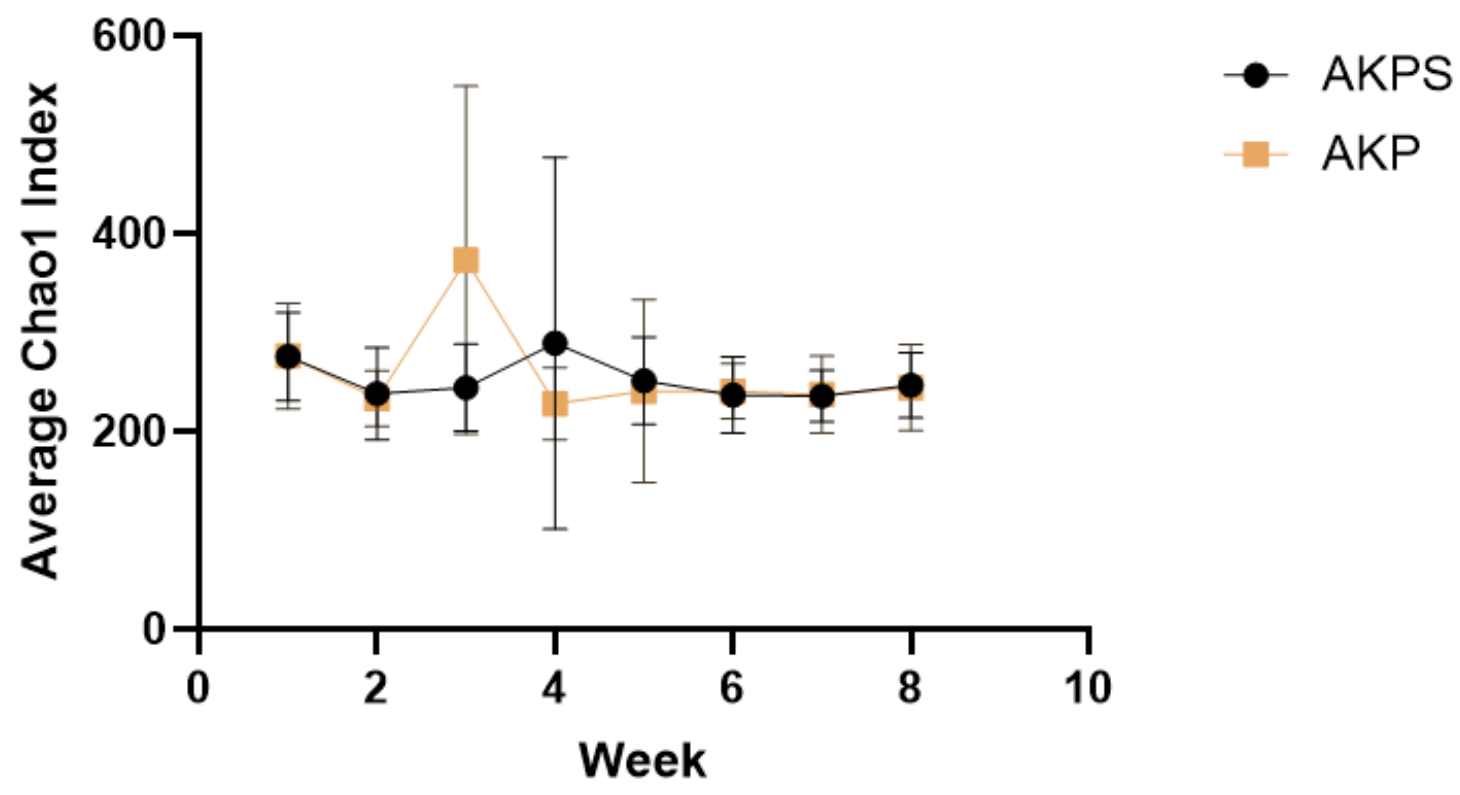
A

AKP	Primary Tumor	Metastasis	AKPS	Primary Tumor	Metastasis
Mouse 1	X	-	Mouse 1	X	X (Liver)
Mouse 2	X	-	Mouse 2	X	X (Liver)
Mouse 3	X	-	Mouse 3	X	-
Mouse 4	X	-	Mouse 4	X	X (Lymph Node , Liver)
Mouse 5	X	-	Mouse 5	X	X (Liver)
Mouse 6	X	-	Mouse 6	X	X (Lymph Node , Liver)
Mouse 7	X	-	Mouse 7	X	-
Mouse 8	X	-	Mouse 8	X	-
Mouse 9	X	-	Mouse 9	X	X (Lymph Node , Liver)

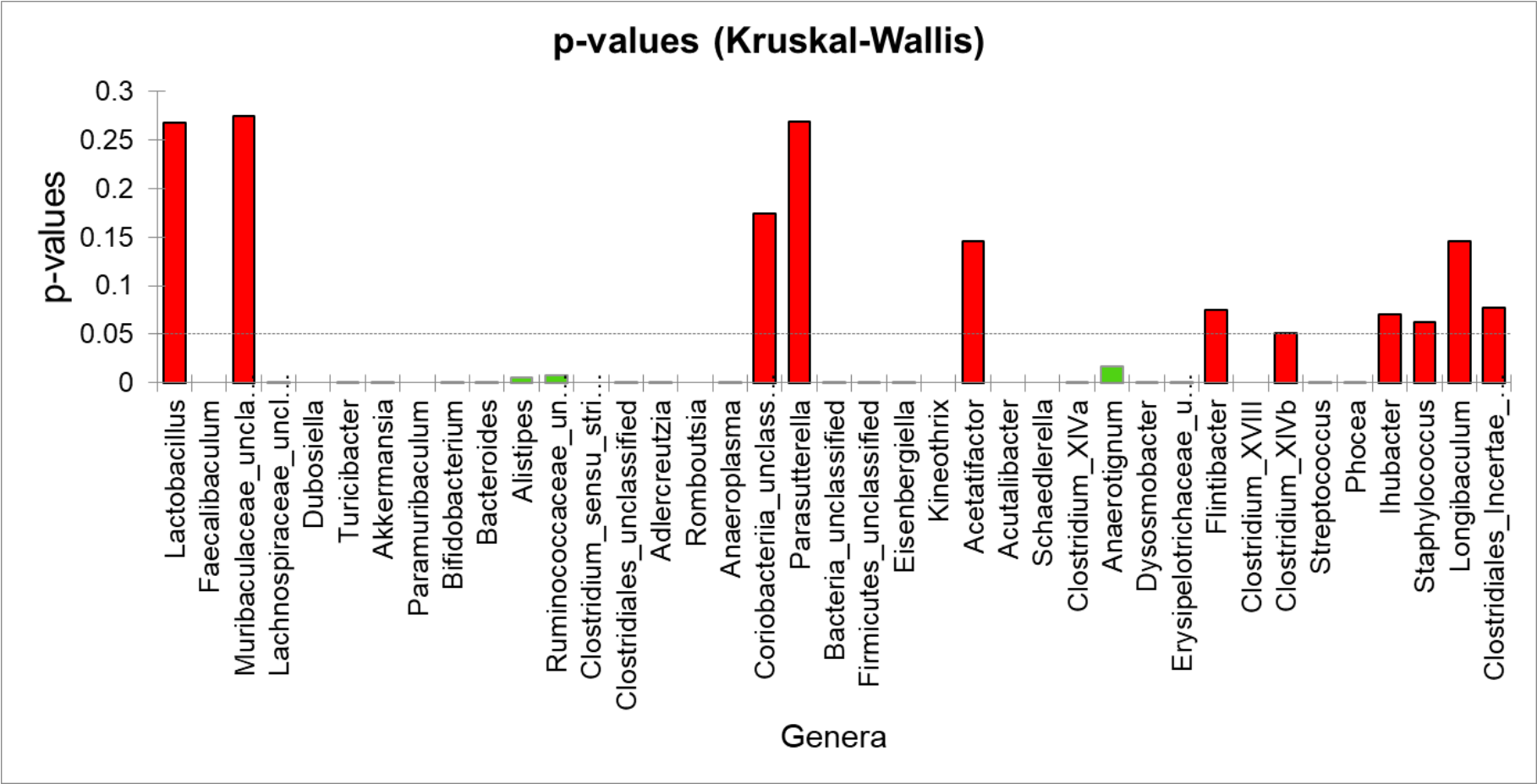
B



Supplemental Figure 2: Chao1 differences between AKP & AKPS mice



Supplemental Figure 3: Longitudinally significantly different taxa between AKP and AKPS mice



SUPPLEMENTAL FIGURE LEGENDS

Supplemental Figure 1: Tumor growth and morphology characteristics of AKP and AKPS tumors: **A)** Table showing the incidence of primary tumors and identification of metastatic tumors in animals bearing AKP and AKPS tumors. **B)** Tumor morphology of normal mouse colon, primary tumor tissues from AKP and AKPS, and metastatic tumor-draining lymph nodes and liver tissue from AKPS.

Supplemental Figure 2: Chao1 differences between AKP and AKPS mice. Average Chao1 differences between AKP and AKPS mice. All ($p > 0.05$)

Supplemental Figure 3: Longitudinally significant differences in taxa between AKP and AKPS Mice: Kruskal-Wallis comparison of all bacterial genera between AKP and AKPS mice.