Figure S6

**A** HCT116

**B** HCT116

**C** Apc\(^{min/+}\) mice

**D** Colon tumor number

**E** Colon tumor size (mm\(^2\))

**F** Apc\(^{min/+}\) mice

**G** Colon tumor number

**H** Colon tumor size (mm\(^2\))

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**Supplementary Figure 6.** Aryl hydrocarbon receptor (AhR) specific antagonist (CH-223191) partially abolishes the tumor-suppressive effect of *L. gallinarum* and ILA. (A) The transcription of AhR was significantly suppressed by CH-223191 (100nM). (B) Pre-treat CRC cells with CH-223191 (100nM) for 12 hours abolished the anti-proliferation effect of LGCS. (C) Schematic diagram showing the experimental design, timeline and representative macroscopic images of colons from female Apc\(^{min/+}\) mouse model. (D) Colon, small intestinal and total tumor number (colon + small intestinal) in female Apc\(^{min/+}\) mice under different treatments. (E) Colon, small intestinal and total tumor size (colon + small intestinal) in female Apc\(^{min/+}\) mice under different treatments. (F) Schematic diagram showing the experimental design, timeline and representative macroscopic images of colons from male Apc\(^{min/+}\) mouse model. (G) Colon, small intestinal and total tumor number (colon + small intestinal) in male Apc\(^{min/+}\) mice under different treatments. (H) Colon, small intestinal and total tumor size (colon + small intestinal) in male Apc\(^{min/+}\) mice under different treatments. Each black triangle indicates one tumor location. *P*-values are calculated by one-way ANOVA or two-way ANOVA where appropriate. ***p < 0.001. Lg, *L. gallinarum*; SI, small intestine; ILA, indole-3-lactic acid.