**Alterations of the Gut Microbiota Associated with Promoting Efficacy of Prednisone by Bromofuranone in MRL/lpr Mice**

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**Summary of supporting information:**

**A. SUPPORTING FIGURES S1-S5**

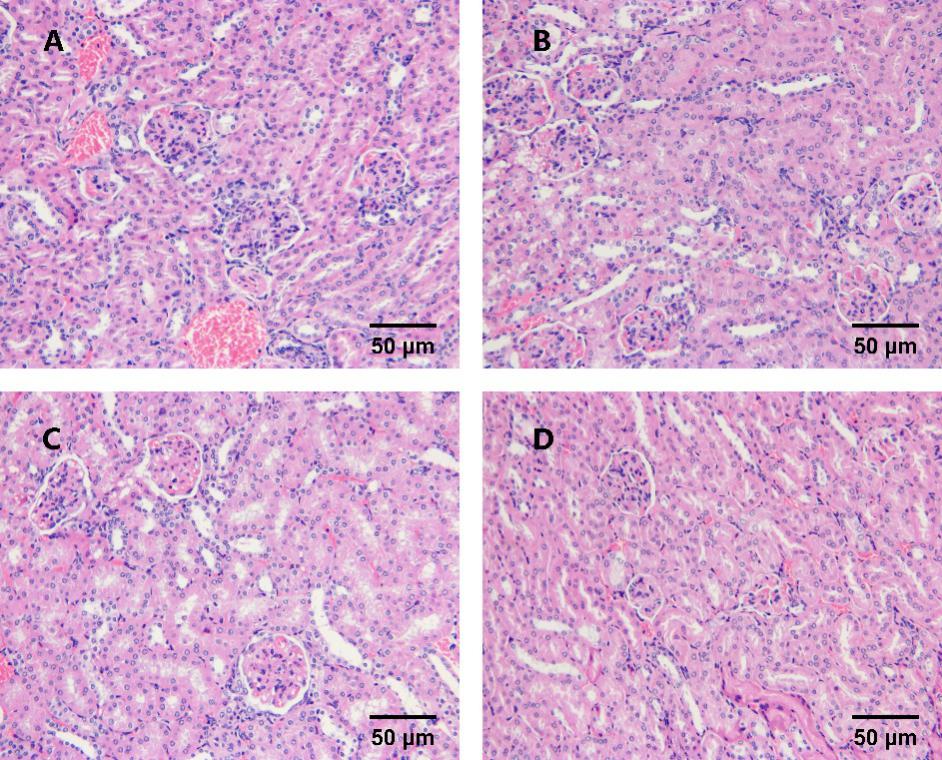
**Figure S1** Renal HE staining pathological (x 40) section analysis. A: MT; B: PT; C: BT; D: PBT. MT: the model group; PT: the prednisone-treated group; BT: the bromofuranone-treated group; PBT: the combined drugs-treated group.

**Figure S2** LEfSe identified the differential microbial taxa between control MRL/lpr mice (MT) and prednisone-treated MRL/lpr mice (PT) (A), and between bromofuranone-treated MRL/lpr mice (BT) and combined drug-treated MRL/lpr mice (PBT) (B). Significant differences are shown (LDA score >2).

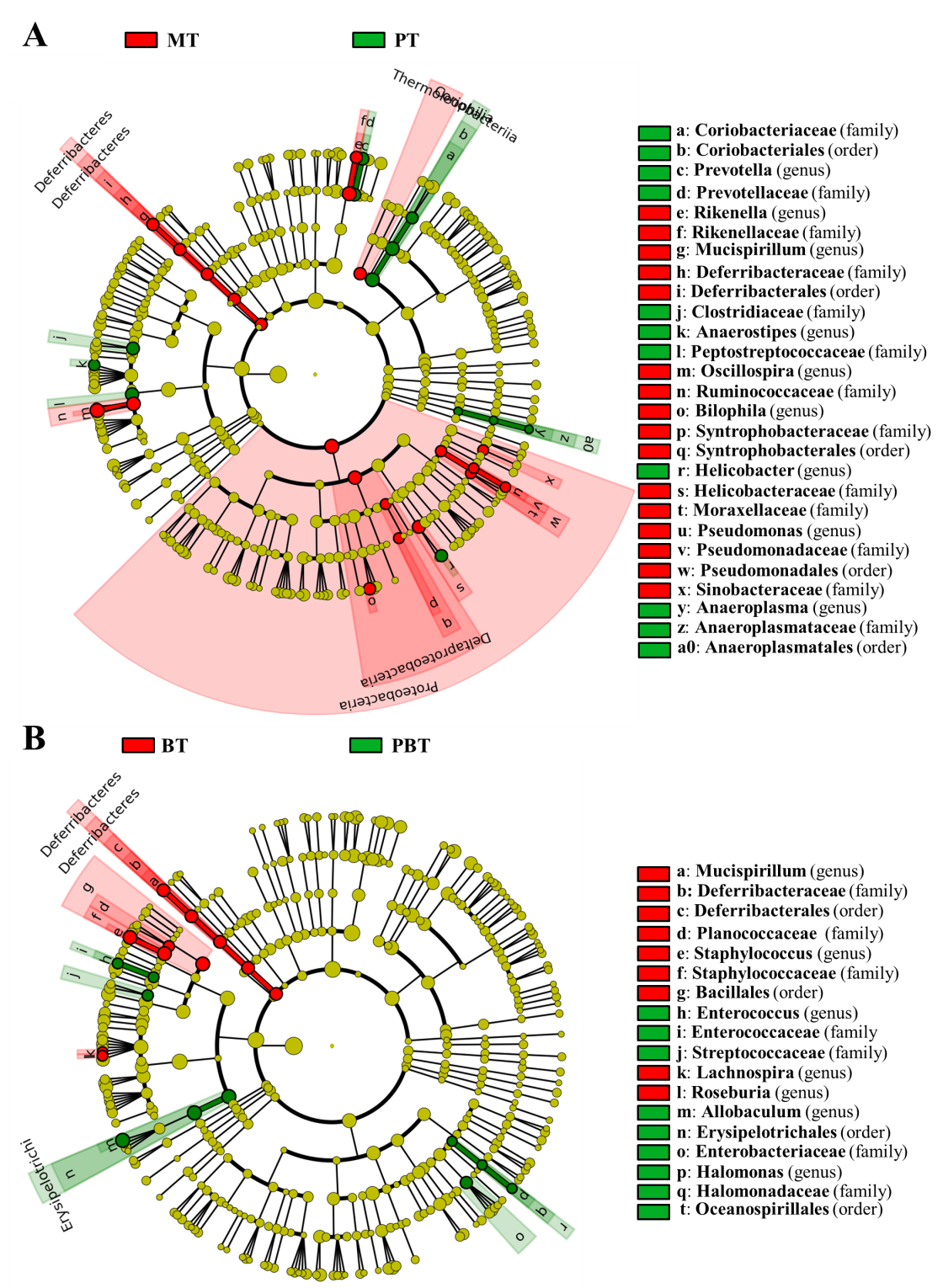
**Figure S3** Abundance ofAI-2 signals in the stool samples of MRL/lpr mice. MT: the model group; PT: the prednisone-treated group; BT: the bromofuranone-treated group; PBT: the combined drugs-treated group.“\*\*”: represents the adjusted *p* value <0.01 between two groups.

**Figure S4** LEfSe identified the differential microbial taxa between control MRL/lpr mice (MT) and bromofuranone-treated MRL/lpr mice (BT) (A), and between bromofuranone-treated MRL/lpr mice (PT) and combined drug-treated MRL/lpr mice (PBT) (B). Significant differences are shown (LDA score >2).

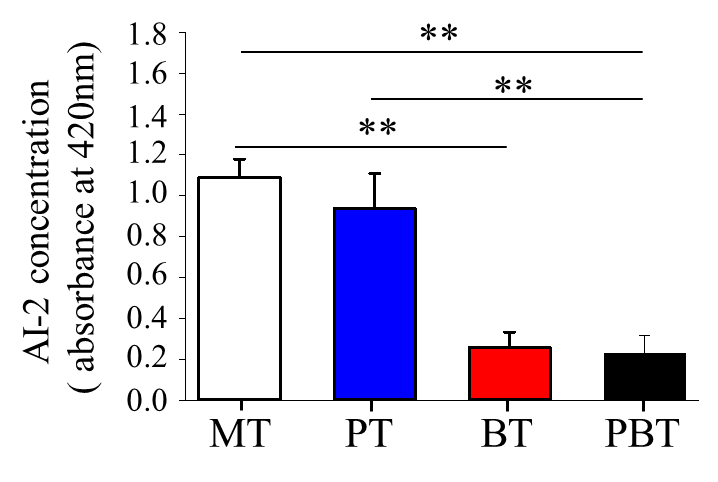
**Figure S5** LEfSe identified the differential microbial taxa between control MRL/lpr mice (MT) and combined drug-treated MRL/lpr mice (PBT). Significant differences are shown (LDA score >2).

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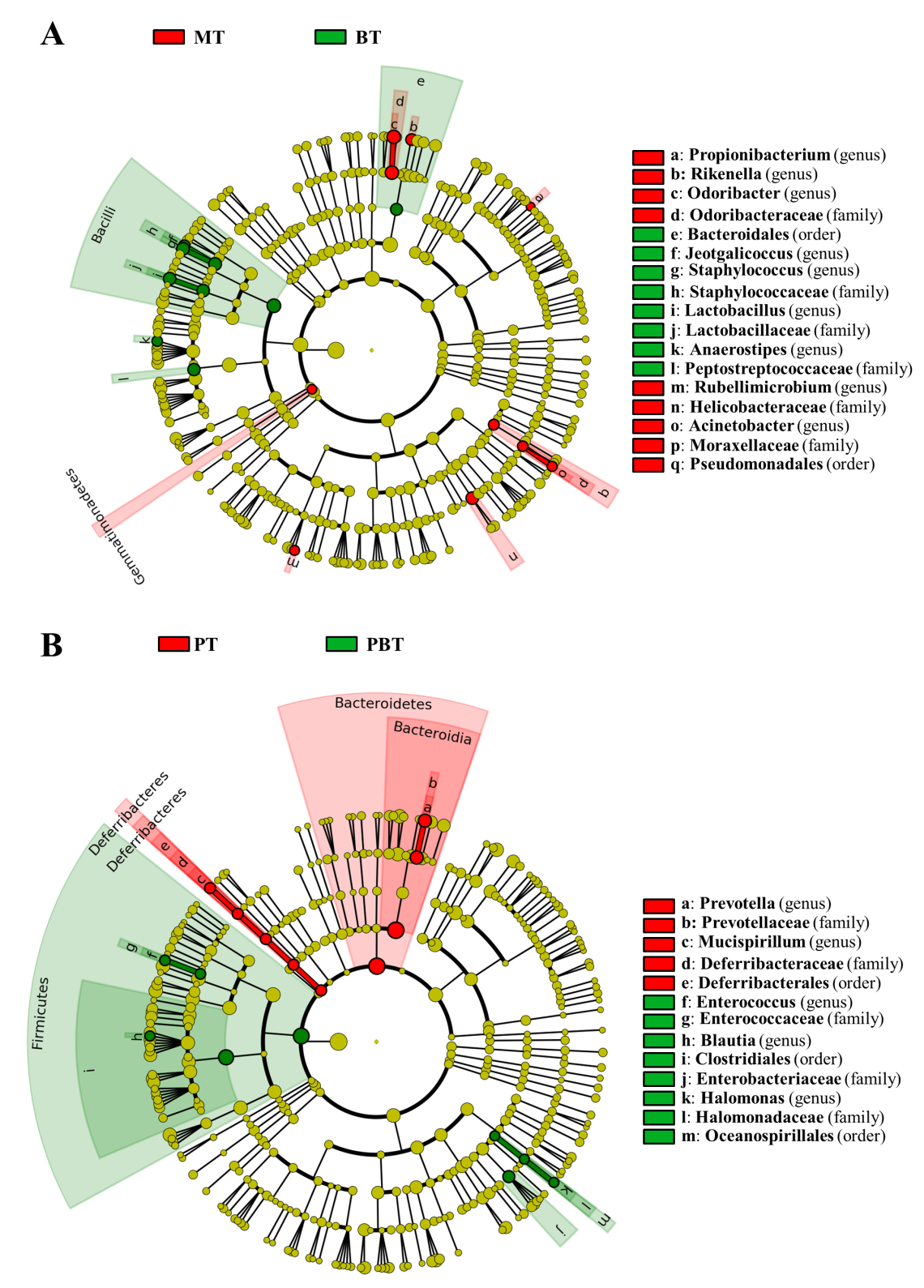
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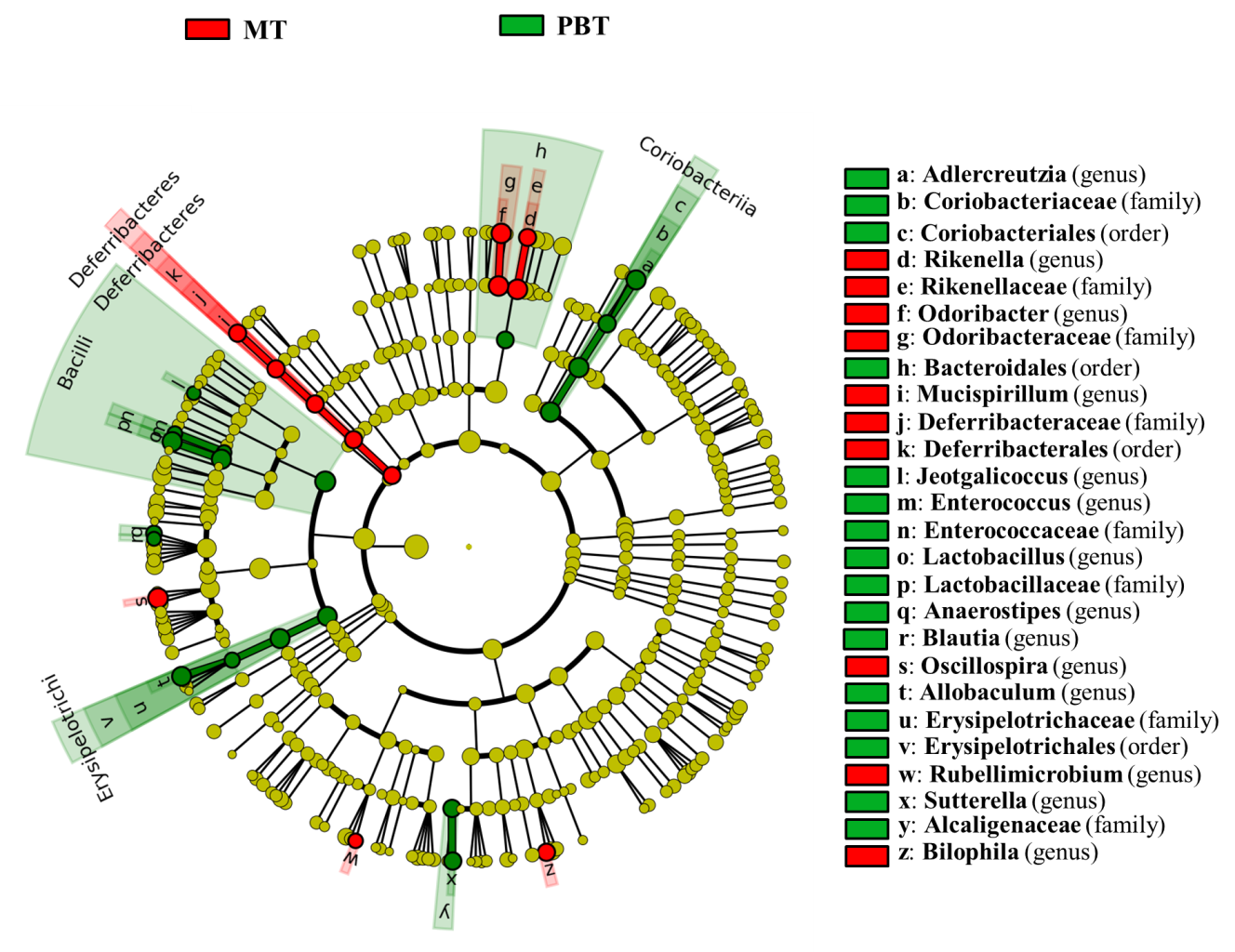
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**Figure S5** LEfSe identified the differential microbial taxa between control MRL/lpr mice (MT) and combined drug-treated MRL/lpr mice (PBT). Significant differences are shown (LDA score >2).