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Supporting Information

Sodium houttuyfonate derived from the edible herb *Houttuynia cordata* Thunb improves intestinal malfunctions via maintaining gut microflora stability in *Candida albicans* disordered ulcerative colitis

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Supplementary Figure 1. Three uncropped blot versions of (A) ZO-1 protein (red arrows) and (B) β-actin protein (blue arrows) in non-cohousing experiment (n=3).



Supplementary Figure 2. Three uncropped blot versions of (A) Occludin protein (red arrows) and (B) β-actin protein (blue arrows) in non-cohousing experiment (n=3).



Supplementary Figure 3. Three uncropped blot versions of (A) Claudin-1 protein (red arrows) and (B) β-actin protein (blue arrows) in non-cohousing experiment (n=3).



Supplementary Figure 4. Three uncropped blot versions of (A) ZO-1 protein (red arrows) and (B) β-actin protein (blue arrows) in cohousing experiment (n=3).



Supplementary Figure 5. Three uncropped blot versions of (A) Occludin protein (red arrows) and (B) β-actin protein (blue arrows) in cohousing experiment (n=3).



Supplementary Figure 6. Three uncropped blot versions of (A) Claudin-1 protein (red arrows) and (B) β -actin protein (blue arrows) in cohousing experiment (n=3).



Supplementary Figure 7. Effects of SH on gut microbiota in non-cohousing experimental mice through (A) rank-abundance curves which visually reflect the richness and evenness of species in the sample (n=4), (B) cladogram (n=5) and (C) LEFSe analysis with taxa meeting linear discriminant analysis (LDA) score threshold > 2 shown (n=5).



Supplementary Figure 8. Effects of SH on gut microbiota in cohousing experimental mice through (A) rank-abundance curves which visually reflect the richness and evenness of species in the sample (n=4), (B) cladogram (n=5) and (C) LEFSe analysis with taxa meeting linear discriminant analysis (LDA) score threshold > 2 shown (n=5).