

Figure S1. The chemical characterization of the SCCS, BCS, PCS and SCS. Molecular weight determination of SCCS, BCS, PCS, and SCS (A). Sulfuric acid content of SCCS, BCS, PCS, and SCS (B). HPLC chromatograms of SCCS, BCS, PCS, and SCS monosaccharide composition (C). Different chemical structures of chondroitin sulfates (D).

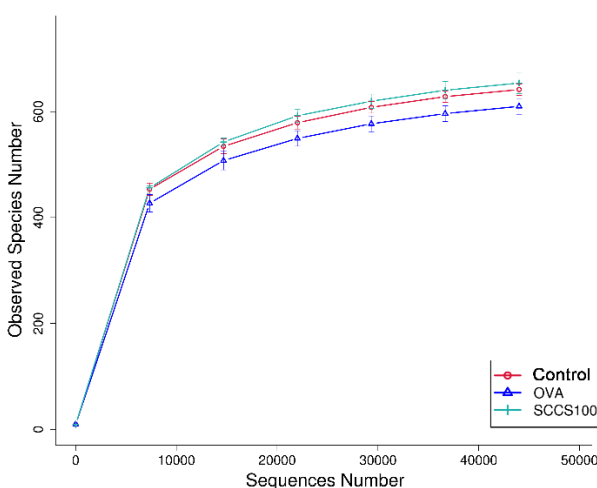


Figure S2. Rarefaction Curve.

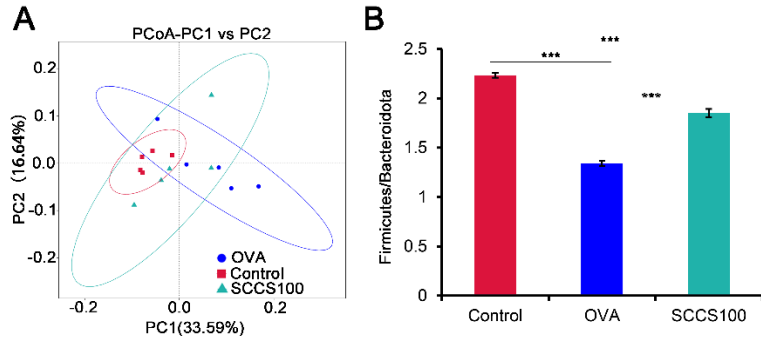


Figure S3. Effect of SCCS on intestinal microorganisms in mice.

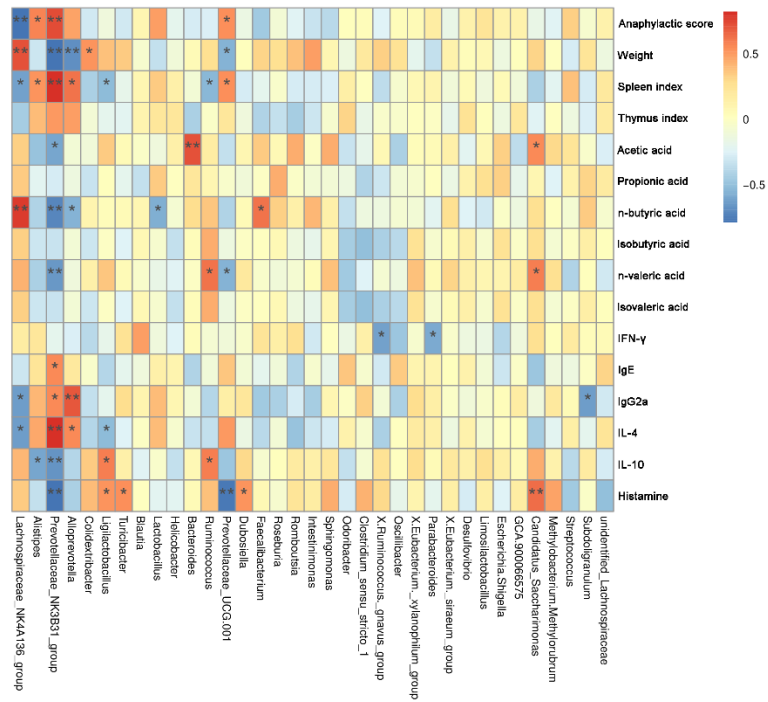


Figure S4. Association analysis of genus-level intestinal microorganisms with the correlation index of SCCS intervention in sensitized mice.