Supplementary Material for the Manuscript Entitled:

Effects of Ultrasound Modification with Different Frequency Modes on the Structure, Chain Conformation, and Immune Activity of Polysaccharides from *Lentinus edodes*

(A)

(B)

Schematic diagram of Multi-frequency Power Ultrasound (MFPU)

(C)

Figure S1. multi-frequency power ultrasound (A); Schematic diagram of the ultrasound device (a: ultrasonic transducer; b: ultrasonic generator; c: flat divergent ultrasound angle) (B); Waveform diagram of different frequency mode ultrasonic device (From T_0 to T_0+T is one ultrasonic cycle) (C).