



**Supplement figure 1.** The intracellular inflammatory signaling (MAPK) was analyzed using western blot (WB) with specific antibodies such as p-JNK/JNK (A), p-P38/P38 (B), and p-ERK/ERK (C). Data from three independent experiments have been presented as bar graphs showing mean  $\pm$  SD. #  $p < 0.05$  versus CON; \*  $p < 0.05$ , \*\*\*  $p < 0.001$  versus DE.