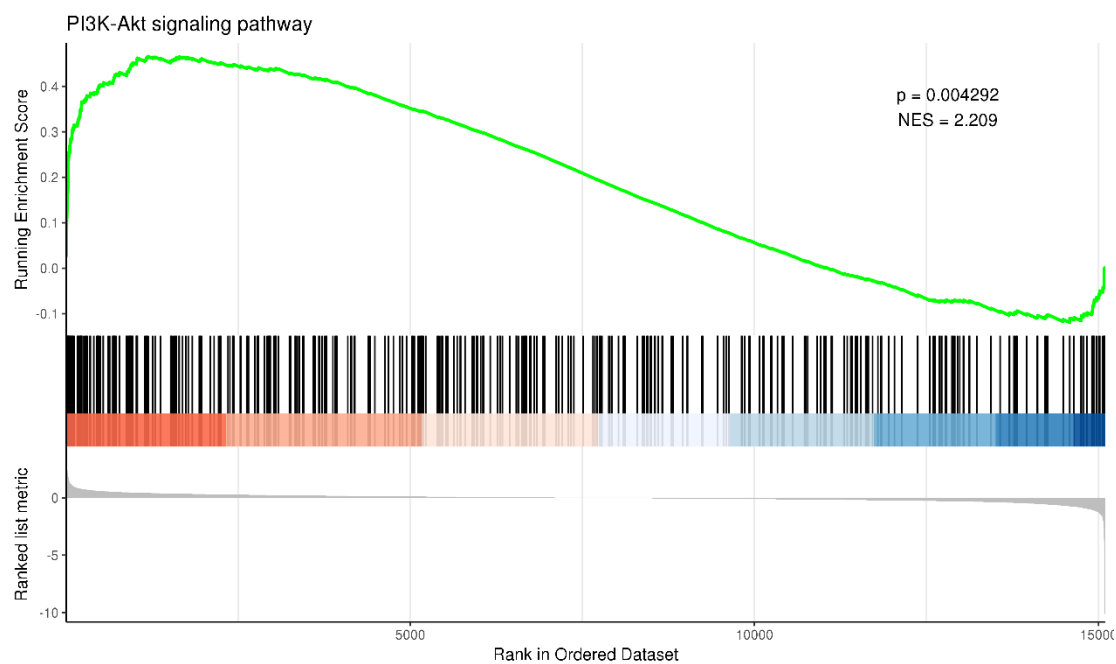


Supplementary Figure S1. GSEA enrichment plot of the NF-kappa B signaling pathway.

The analysis showed that this pathway was significantly enriched in Diosmin-H samples compared to the DSS group, with a normalized enrichment score (NES) of 2.513 and a nominal p-value of 0.003185.



Supplementary Figure S2. GSEA enrichment plot of the PI3K-Akt signaling pathway.

The pathway was significantly enriched in Diosmin-H samples, with an NES of 2.209 and a nominal p-value of 0.004292, indicating that diosmin may exert anti-inflammatory effects by modulating PI3K-Akt signaling.