



$$\text{FDR} < 0.05, |\log_2 \text{FC}| \geq 1$$

Supplementary Fig. S1. Baseline transcriptomic landscape (Week 0) of whole blood in finishing pigs prior to heat stress exposure. MDS plot based on variance-stabilized expression profiles showing no distinct separation between thermoneutral (TN; blue) and heat-stress (HS; red) groups, indicating comparable baseline transcriptional states before treatment initiation.