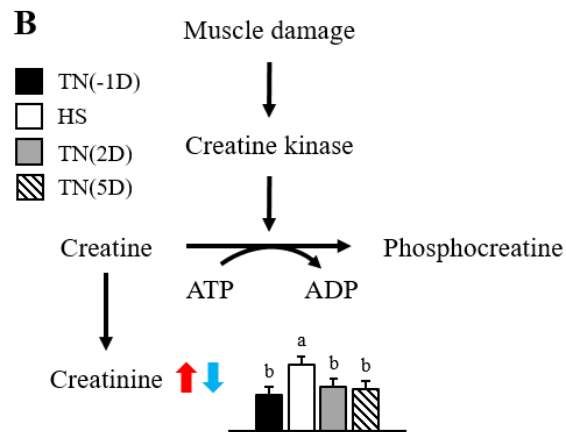


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575 **Figure 2.** Schematic overview of some important metabolites (variable importance in the projection value  
 576 > 1) and metabolic pathways related to amino acids, energy (A), and protein metabolism (B) in heat-  
 577 stressed pigs. Red up-arrow: heat stress (HS) group vs. thermal-neutral (TN(-1D)) group up-regulation.  
 578 Blue up-arrow: HS group vs. recovery groups (TN(2D), TN(5D)) up-regulation. Blue down-  
 579 arrow: HS group vs. recovery groups (TN(2D), TN(5D)) down-regulation. <sup>a,b</sup>Mean values are significantly different  
 580 ( $p < 0.05$ ).

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