

Figure S1. Mice average weight gain in each cage. HFL, CTL, and HFD denote group of mice fed high-fat diet with laminarin, without laminarin, and normal diet without laminarin, respectively.

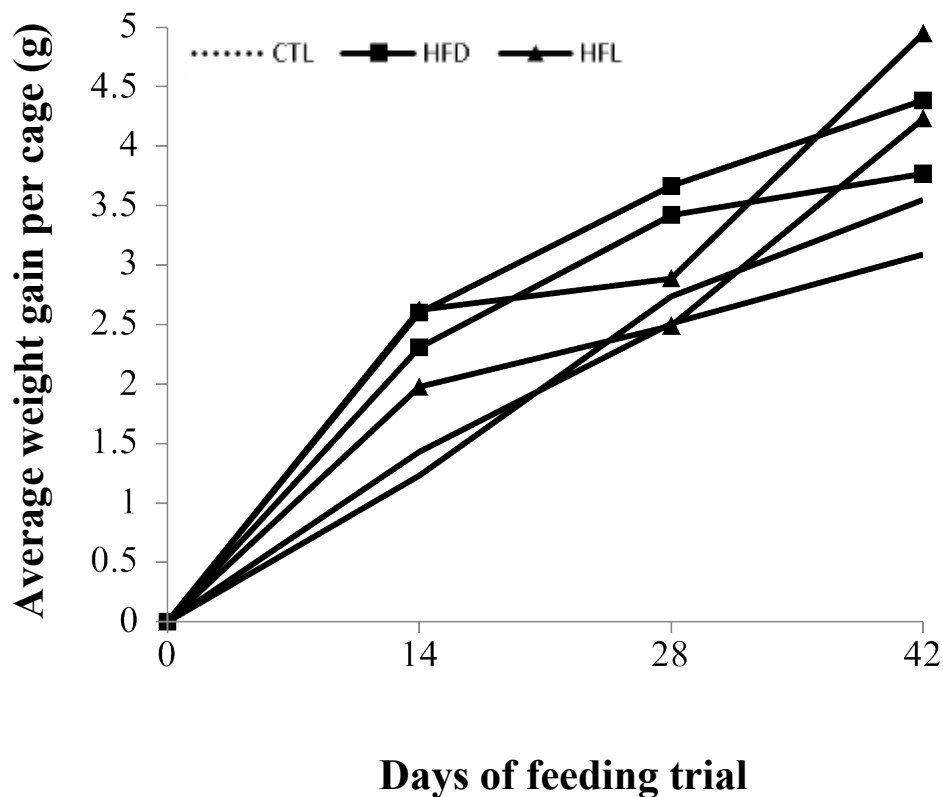
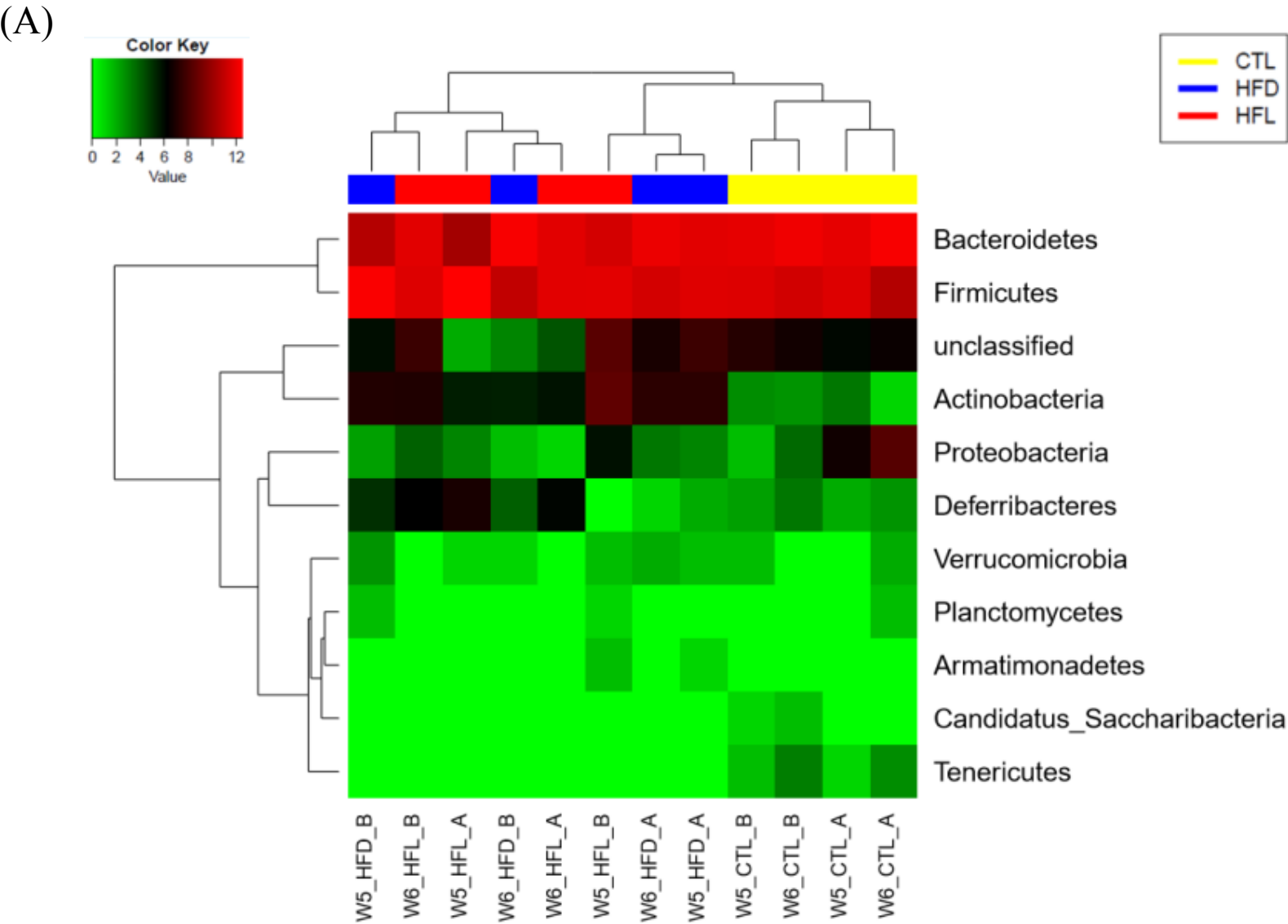


Figure S2. Log scale abundance analysis at the phylum (A) and genus levels (B) after the laminarin ingestion. ‘A’ and ‘B’ differentiate cages. .



(B)

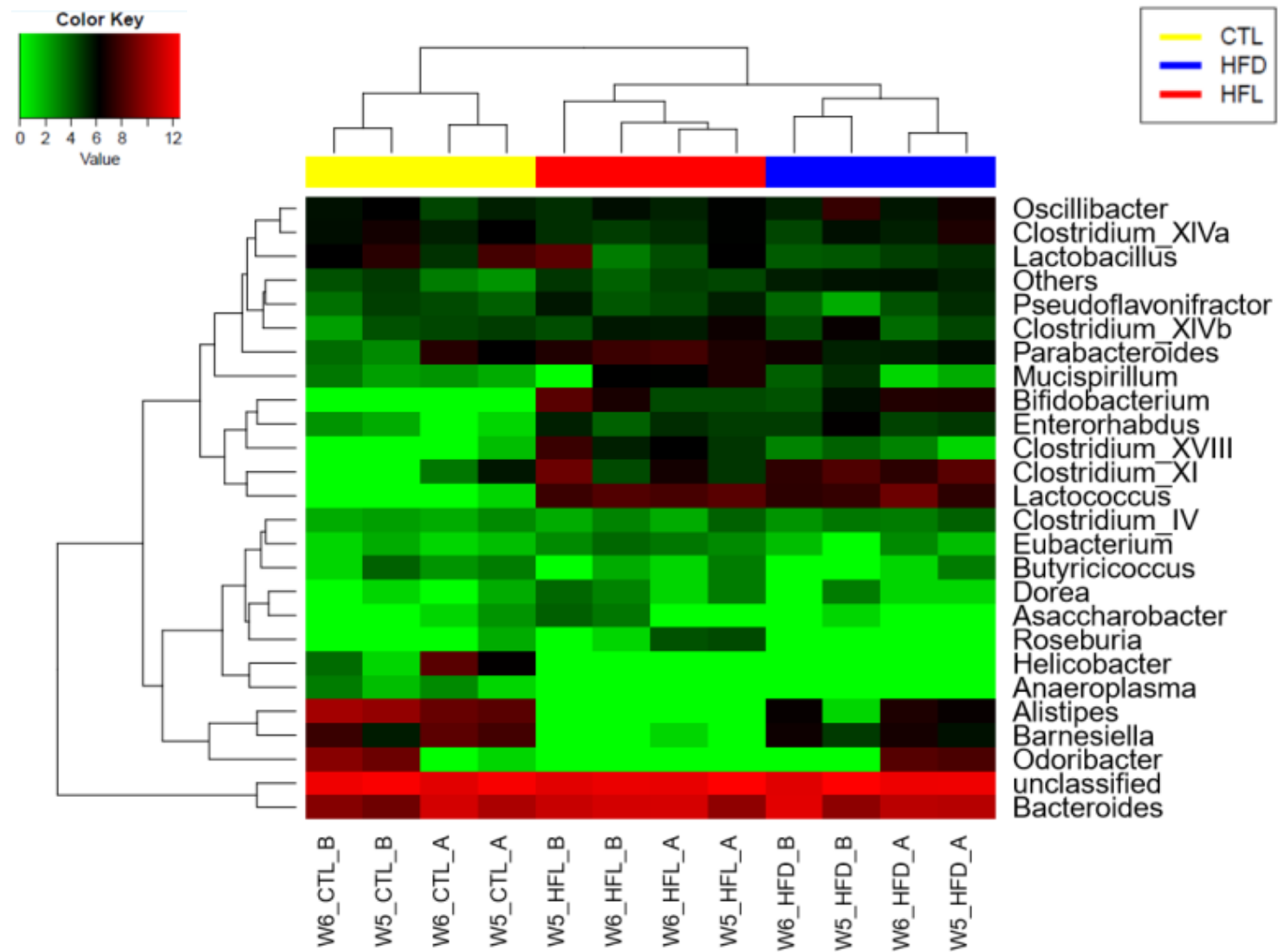
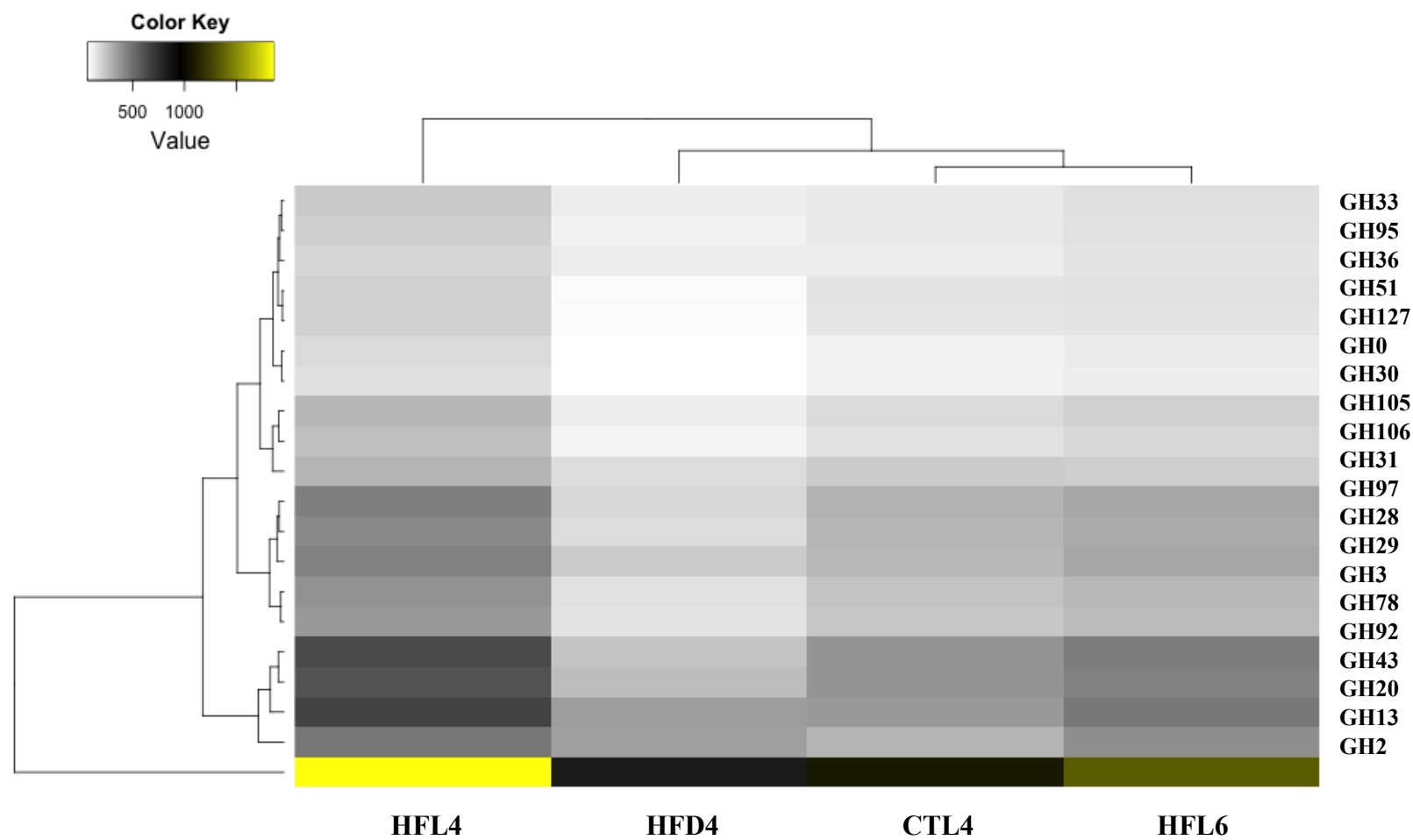
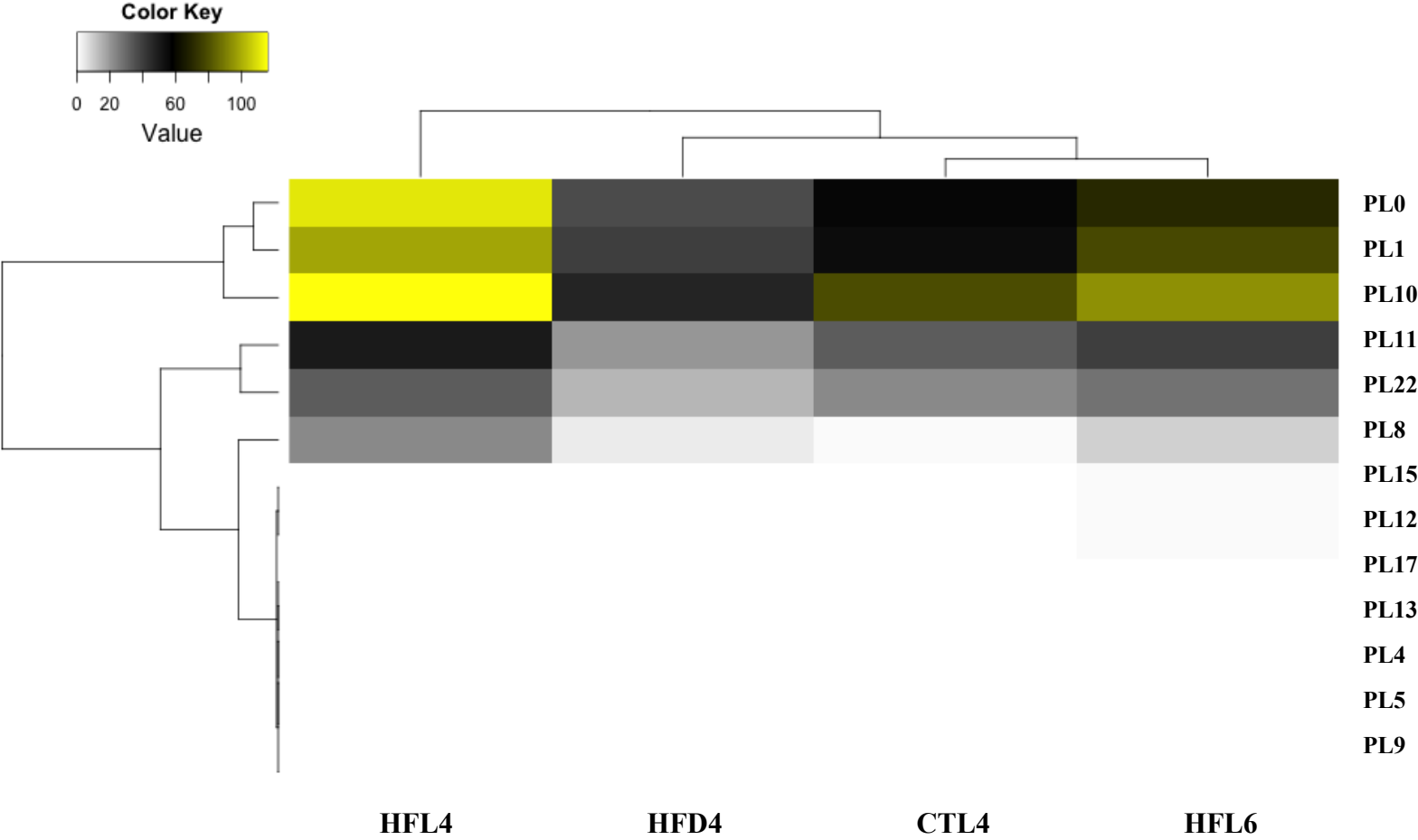


Figure S3. Comparison of mapped reads per million within carbohydrate active enzyme families of glycoside hydrolases (A), glycosyl transferases (B), polysaccharide lyases (C), and carbohydrate esterases (D). Only top 20 most abundant families were shown for glycoside hydrolases and glycosil transferases. .

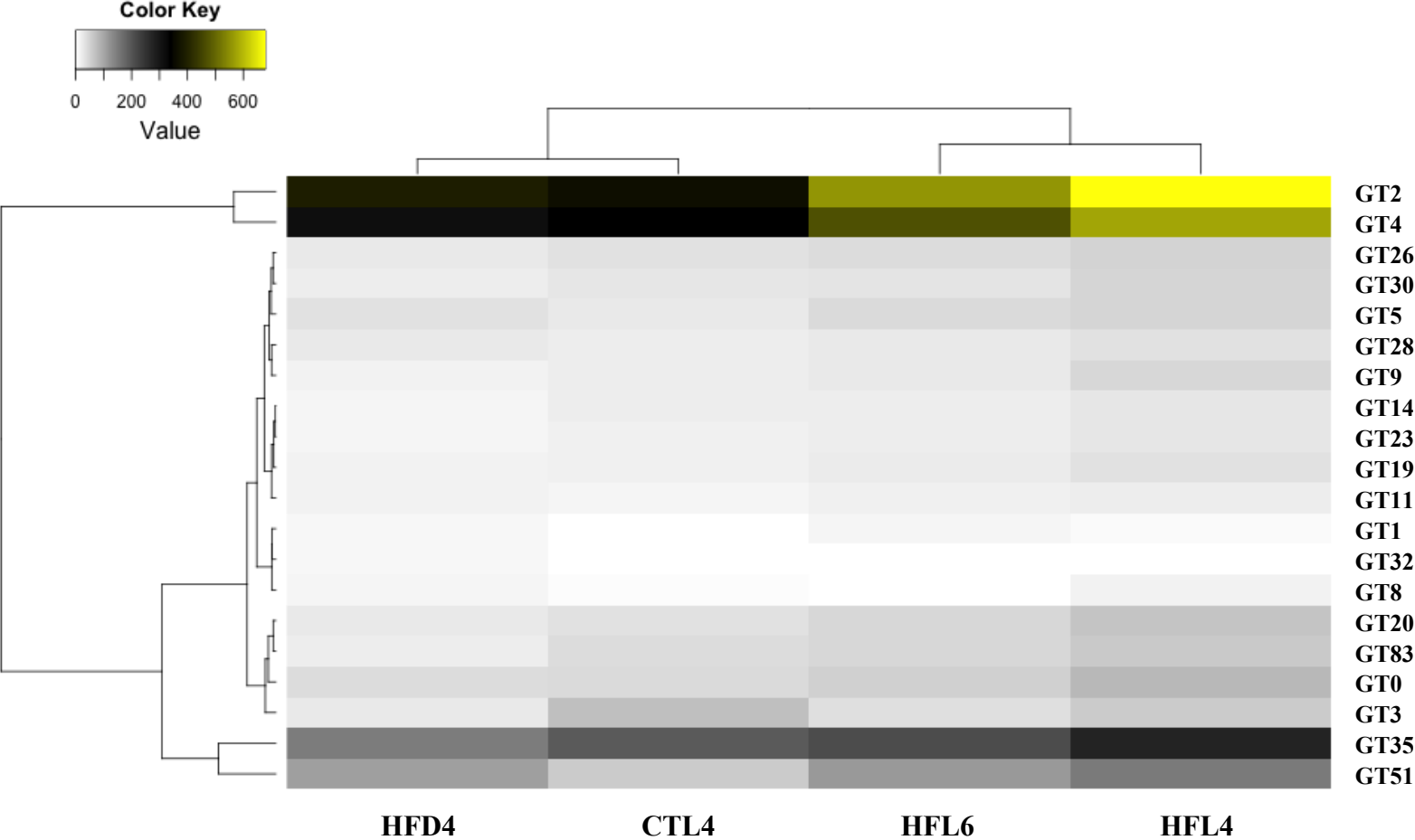
(A)



(B)



(C)



(D)

