

Table S4. Significant pathway enrichment using KEGG pathway analysis.

KEGG pathway	# DEGs	Adjusted p-value (P<0.01)
Tight junction (mmu04530)	23	0.000017
Adherens junction (mmu04520)	15	0.000114
Alzheimer's disease (mmu05010)	24	0.000160
Parkinson's disease (mmu05012)	21	0.000241
Oxidative phosphorylation (mmu00190)	19	0.000695
Metabolic pathways (mmu01100)	84	0.000764
Cardiac muscle contraction (mmu04260)	14	0.000827
Circadian rhythm (mmu04710)	9	0.000948
Arrhythmogenic right ventricular cardiomyopathy (ARVC) (mmu05412)	13	0.000960
Leukocyte transendothelial migration (mmu04670)	16	0.003936
Non-alcoholic fatty liver disease (NAFLD) (mmu04932)	18	0.007027
Hypertrophic cardiomyopathy (HCM) (mmu05410)	12	0.008936

The number of differentially expressed genes (DEGs) found in our dataset which overlap with the reference pathways and p-values are indicated. P-values indicate the significance of enrichment and were benjamini corrected.