Table S5 Pathway annotation of 22 genes

Gene_name	Path_name
ACSM2A	Metabolic pathways
ACSM2A	Butanoate metabolism
APOB	Vitamin digestion and absorption
APOB	Fat digestion and absorption
CXCL14	Chemokine signaling pathway
CXCL14	Cytokine-cytokine receptor interaction
F5	Complement and coagulation cascades
FTCD	Metabolic pathways
FTCD	One carbon pool by folate
FTCD	Histidine metabolism
GNAI1	Chemokine signaling pathway
GNAI1	Cocaine addiction
GNAI1	Regulation of lipolysis in adipocytes
GNAI1	Long-term depression
GNAI1	Renin secretion
GNAI1	Gastric acid secretion
GNAI1	Pertussis
GNAI1	Progesterone-mediated oocyte maturation
GNAI1	Gap junction
GNAI1	GABAergic synapse
GNAI1	Morphine addiction
GNAI1	Circadian entrainment
GNAI1	Estrogen signaling pathway
GNAI1	Melanogenesis
GNAI1	Retrograde endocannabinoid signaling
GNAI1	Chagas disease (American trypanosomiasis)
GNAI1	Cholinergic synapse
GNAI1	Serotonergic synapse
GNAI1	Glutamatergic synapse
GNAI1	Leukocyte transendothelial migration
GNAI1	Toxoplasmosis
GNAI1	Sphingolipid signaling pathway
GNAI1	Axon guidance
GNAI1	Dopaminergic synapse
GNAI1	Platelet activation
GNAI1	Tight junction
GNAI1	Parkinson's disease
GNAI1	Adrenergic signaling in cardiomyocytes
GNAI1	Oxytocin signaling pathway
GNAI1	cGMP-PKG signaling pathway
GNAI1	Alcoholism
GNAI1	cAMP signaling pathway
GNAI1	Rap1 signaling pathway
GNAI1	Pathways in cancer
HPSE	Metabolic pathways
HPSE	Glycosaminoglycan degradation
HPSE	Proteoglycans in cancer
PARVA	Focal adhesion
PLG	Complement and coagulation cascades
PLG	Staphylococcus aureus infection
PLG	Influenza A
PLG	Neuroactive ligand-receptor interaction
SERPINA1	Complement and coagulation cascades
SGCD	Viral myocarditis
SGCD	Arrhythmogenic right ventricular cardiomyopathy (ARVC)
SGCD	Hypertrophic cardiomyopathy (HCM)
SGCD	Dilated cardiomyopathy
UPB1	Metabolic pathways
UPB1	Pantothenate and CoA biosynthesis
UPB1	beta-Alanine metabolism
UPB1	Drug metabolism — other enzymes
UPB1	Pyrimidine metabolism

Table S5 (*continued*)

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