

Table S6b The correlation statistics between KEGG pathways and host metabolic parameters

Variable1	Variable2	Correlation	P value	Support	Corrected_pvalue
Glycolysis_Gluconeogenesis	Fasting.insulin	0.5783786	0.00384	23	0.0228
Glycolysis_Gluconeogenesis	HOMA.IR	0.5963727	0.002669	23	0.0191
Glycolysis_Gluconeogenesis	Serum.LBP	0.5315405	0.015868	20	0.051
Glycolysis_Gluconeogenesis	Cholesterol	0.5808429	0.005761	21	0.0278
Glycolysis_Gluconeogenesis	eAT.TNF.a.mRNA	0.5232202	0.003586	29	0.0224
Glycolysis_Gluconeogenesis	Liver.weight	0.5624527	0.001216	30	0.0131
Carbohydrate_metabolism	Weight.gain	0.5840169	0.000703	30	0.0131
Carbohydrate_metabolism	Cholesterol	0.6289606	0.002256	21	0.0188
Carbohydrate_metabolism	eAT.TNF.a.mRNA	0.5831843	0.000899	29	0.0131
Carbohydrate_metabolism	eAT.MCP.1.mRNA	0.5746806	0.001112	29	0.0131
Carbohydrate_metabolism	eAT.adipocyte.size	0.5172121	0.009647	24	0.0377
Carbohydrate_metabolism	eAT.weight	0.5995466	0.000463	30	0.0131
Lysine_biosynthesis	Cholesterol	0.6050326	0.003662	21	0.0224
Lysine_biosynthesis	eAT.weight	0.5610459	0.001258	30	0.0131
Monobactam_biosynthesis	Cholesterol	0.5821644	0.005625	21	0.0278
Monobactam_biosynthesis	eAT.CD11c.mRNA	0.5545742	0.001796	29	0.017
Monobactam_biosynthesis	eAT.MCP.1.mRNA	0.5860465	0.000836	29	0.0131
Monobactam_biosynthesis	eAT.weight	0.6322338	0.000178	30	0.0131
Ribosome	Cholesterol	-0.555076	0.009003	21	0.036
Oxidative_phosphorylation	Cholesterol	-0.538967	0.011699	21	0.0435
RNA_polymerase	Weight.gain	-0.502421	0.004664	30	0.0259
RNA_polymerase	eAT.weight	-0.510358	0.003958	30	0.0229
Transcription_machinery	eAT.weight	-0.530069	0.002588	30	0.0191
DNA_repair_and_recombination_proteins	Cholesterol	-0.520696	0.015516	21	0.051
DNA_repair_and_recombination_proteins	eAT.weight	-0.501674	0.004736	30	0.0259
Prokaryotic_Defense_System	eAT.TNF.a.mRNA	-0.534712	0.00589	25	0.0278
Primary_bile_acid_biosynthesis	eAT.CD11c.mRNA	0.5092775	0.001093	38	0.0131
Primary_bile_acid_biosynthesis	eAT.MCP.1.mRNA	0.5263872	0.000687	38	0.0131
Cholesterol_metabolism	Cholesterol	0.5199621	0.001153	36	0.0131
Cholesterol_metabolism	eAT.TNF.a.mRNA	0.5171818	0.000885	38	0.0131
Cholesterol_metabolism	eAT.MCP.1.mRNA	0.5211689	0.000794	38	0.0131
Taurine_and_hypotaurine_metabolism	Cholesterol	0.5328528	0.000821	36	0.0131
Taurine_and_hypotaurine_metabolism	eAT.TNF.a.mRNA	0.5371125	0.000507	38	0.0131
Taurine_and_hypotaurine_metabolism	eAT.MCP.1.mRNA	0.5356597	0.000529	38	0.0131