

Supplementary Table 1. Additional clinical variables and their correlations to gene richness.

Variable (units; n)	Summary statistics			Gene richness correlation	
	1Q	Median	3Q	Rho	P
Android fat (%; 49)	53.79	58.91	63.11	-0.1	0.506
NEFA (mM;49)	0.31	0.45	0.52	0.1	0.493
HOMA-IR (49)	0.8	1.06	1.4	-0.2	0.198
Disse Index (49)	-8.13	-5.6	-2.63	0.2	0.188
QUICKI (49)	0.33	0.35	0.37	0.22	0.153
OGTT-60 (mM;49)	5.75	7.05	8.18	-0.06	0.711
OGTT-120 (mM; 40)	4.2	5.05	6.05	0.17	0.307
Matusuda (39)	4.49	5.71	8.79	0.13	0.42
ISSI-2 (39)	23.36	30.93	34.63	0.13	0.454
AST (U/L; 48)	19	25	32.25	0.08	0.626
ALT (U/L; 48)	20.75	24	33.5	-0.07	0.647
GGT (U/L; 48)	17.75	22.5	42.75	0.05	0.756

Rho reflects Spearman correlations. OGTT-60 and OGTT-120 = plasma glucose during OGTT at 60 and 120 minutes, respectively, ISSI-2 = insulin-secretion-sensitivity-index-2.