

Table S4 Relation between plasminogen activator inhibitor-1 and metabolite levels

Pathway	Metabolites	HMDB ID	correlation coefficient	p value
Glycolysis	Glucose 6-phosphate	HMDB01401	-0.23	0.3611
	Fructose 6-phosphate	HMDB00124	-0.34	0.1731
	Fructose 1,6-diphosphate	HMDB01058	-0.59	<0.01
	Dihydroxyacetone phosphate	HMDB01473	-0.45	0.0634
	Glyceraldehyde 3-phosphate	HMDB01112	-0.56	<0.05
	3-Phosphoglyceric acid	HMDB00807	-0.37	0.1282
	Phosphoenolpyruvic acid	HMDB00263	0.09	0.715
	Lactic acid	HMDB00190 , HMDB01311	-0.16	0.5268
Pentose phosphate cycle	6-Phosphogluconic acid	HMDB01316	0.00	0.9957
	Ribulose 5-phosphate	HMDB00618	-0.45	0.0589
	Ribose 5-phosphate	HMDB01548	-0.25	0.3202
	Sedoheptulose 7-phosphate	HMDB01068	-0.62	<0.01
	Phosphoribosyl pyrophosphate	HMDB00280	0.86	<0.0001
Tricarboxylic acid cycle	Citric acid	HMDB00094	0.77	<0.001
	<i>cis</i> -Aconitic acid	HMDB00072	0.81	<0.0001
	Isocitric acid	HMDB00193	0.93	<0.0001
	2-Oxoglutaric acid	HMDB00208	-0.72	<0.001
	Succinic acid	HMDB00254	0.53	<0.05
	Fumaric acid	HMDB00134	0.91	<0.0001
	Malic acid	HMDB00156 , HMDB00744	0.94	<0.0001
glyconeogenesis/glycogenolysis	Glucose 1-phosphate	HMDB01586	-0.55	<0.05
Triacylglycerol synthesis	Glycerol 3-phosphate	HMDB00126	-0.03	0.901

Table S4 (continued)

Purine	Adenine	HMDB00034	0.03	0.9056
	Adenosine	HMDB00050	0.95	<0.0001
	Adenosine diphosphate	HMDB01341	0.95	<0.0001
	Adenosine monophosphate	HMDB00045	0.67	<0.01
	Adenosine triphosphate	HMDB00538	0.93	<0.0001
	Guanosine	HMDB00133	0.87	<0.0001
	Guanosine diphosphate	HMDB01201	0.79	<0.0001
	Guanosine monophosphate	HMDB01397	-0.14	0.5702
	Guanosine triphosphate	HMDB01273	0.00	0.9876
	Inosine	HMDB00195	-0.01	0.9656
	Inosine monophosphate	HMDB00175	-0.51	<0.05
S-Adenosylmethionine	HMDB01185	0.78	0.0001	
Pyrimidine	Cytidine	HMDB00089	0.88	<0.0001
	Cytidine diphosphate	HMDB01546	0.87	<0.0001
	Cytidine monophosphate	HMDB00095	0.70	<0.01
	Cytidine triphosphate	HMDB00082	0.75	<0.001
	Hypoxanthine	HMDB00157	-0.26	0.2918
	Uridine diphosphate	HMDB00295	0.91	<0.0001
	Uridine monophosphate	HMDB00288	0.48	<0.05
	Uridine triphosphate	HMDB00285	0.91	<0.0001

Table S4 (continued)

Amino acid	2-Oxoisovaleric acid	HMDB00019	0.10	0.6984
	3-Hydroxybutyric acid	HMDB00011, HMDB00357, H	-0.60	<0.01
	Alanine	HMDB00161, HMDB01310	-0.74	<0.001
	Anthranilic acid	HMDB01123	-0.70	<0.01
	Arginine	HMDB00517, HMDB03416	-0.47	0.051
	Aspartic acid	HMDB00191, HMDB06483	0.74	<0.001
	Asparagine	HMDB00168	-0.59	<0.05
	Betaine	HMDB00043	-0.06	0.822
	Carnosine	HMDB00033	0.92	<0.0001
	Choline	HMDB00097	-0.79	0.0001
	Citrulline	HMDB00904	-0.32	0.1895
	Creatine	HMDB00064	-0.27	0.2822
	Creatinine	HMDB00562	0.15	0.565
	Cysteine	HMDB00574, HMDB03417	0.40	0.0994
	Glutamic acid	HMDB00148, HMDB03339	0.07	0.7916
	Glutamine	HMDB00641, HMDB03423	-0.81	<0.0001
	Glycine	HMDB00123	-0.29	0.24
	Histidine	HMDB00177	-0.48	<0.05
	Hydroxyproline	HMDB00725	-0.52	<0.05
	Isoleucine	HMDB00172	-0.44	0.071
	Leucine	HMDB00687	-0.56	<0.05
	Lysine	HMDB00182, HMDB03405	-0.63	<0.01
	Methionine	HMDB00696	-0.37	0.136
	Ornithine	HMDB00214, HMDB03374	-0.33	0.1865
	Phenylalanine	HMDB00159	-0.44	0.0698

Table S4 (continued)

Amino acid	Proline	HMDB00162,HMDB03411	-0.84	<0.0001
	Putrescine	HMDB01414	0.97	<0.0001
	Sarcosine	HMDB00271	0.96	<0.0001
	Serine	HMDB00187,HMDB03406	-0.96	<0.0001
	Spermidine	HMDB01257	0.48	<0.05
	Spermine	HMDB01256	0.29	0.2435
	Threonine	HMDB00167	-0.63	<0.01
	Tryptophan	HMDB00929	-0.02	0.9439
	Tyrosine	HMDB00158	-0.44	0.0701
	Valine	HMDB00883	-0.54	<0.05
	β -Alanine	HMDB00056	0.95	<0.0001
	γ -Aminobutyric acid	HMDB00112	-0.92	<0.0001
	Other	CoA_divalent	HMDB01423	-0.07
Gluconic acid		HMDB00625	0.90	<0.0001
Glutathione (GSH)		HMDB00125	0.03	0.9155
Glutathione (GSSG)_divalent		HMDB03337	0.30	0.2189
Nicotinamide adenine dinucleotide phosphate ⁺		HMDB00217	0.97	<0.0001
Nicotinamide adenine dinucleotide ⁺		HMDB00902	0.80	<0.0001