

S4 Table. Metabolites significantly modulated in HIGA mice in both 12 week and 22 week old.

A. Metabolites significantly higher in HIGA mice in both 12 week and 22 week old.				
Metabolites	12 week old		22 week old	
	HIGA/Balb/c	p-value	HIGA/Balb/c	p-value
Glucuronic acid-5TMS(2)	2.89541	<0.00001	2.49209	<0.00001
Mannose-meto-5TMS(1)	2.00393	<0.00001	1.36327	0.01657
Allose-meto-5TMS(1)	1.98378	<0.00001	1.31069	0.02733
Uracil-2TMS	2.19080	<0.00001	1.37760	0.01969
Xanthine-3TMS	9.25704	0.00006	8.03874	<0.00001
Psicose-5TMS(1)	1.94161	0.00007	1.64356	0.00012
Inositol phosphate-7TMS	1.53509	0.00010	1.75006	0.00099
2-Ketoisocaproic acid-meto-TMS(2)	1.39916	0.00013	1.40926	0.00656
Myristic acid-TMS	1.82336	0.00015	1.66276	0.00010
4-Aminobenzoic acid-2TMS	18.03908	0.00038	8.90803	0.00005
Xylitol-5TMS	1.45141	0.00017	1.45456	0.00008
Psicose-5TMS(2)	2.23584	0.00039	1.54426	0.00218
Glucuronic acid lactone-3TMS(1)	1.57312	0.00061	1.40717	0.00401
2-Aminoethanol-3TMS	1.27865	0.00064	1.58605	0.00579
Acetylglycine-TMS	1.27865	0.00064	1.58383	0.00095
Glucuronic acid-5TMS(1)	1.68309	0.00073	1.88544	0.00041
Tagatose-5TMS(1)	1.81158	0.00103	1.47613	0.00175
Glucose-5TMS(1)	1.16844	0.00143	1.21353	0.00029
N6-Acetyllysine-2TMS	1.26333	0.00147	1.24074	0.00190
Sorbitol-6TMS	1.93684	0.00176	1.90193	0.00007
Pantothenic acid-3TMS	1.49035	0.00183	1.48009	0.02128
Lyxose-4TMS(1)	3.14900	0.00281	1.68796	0.00586
Indol-3-acetic acid-TMS	1.25844	0.00215	1.21621	0.00509
Fucose-4TMS(1)	1.76489	0.00226	1.65778	0.01158
Inosine-4TMS	20.18891	0.00415	18.56310	0.00001
Galactitol-6TMS	1.83617	0.00274	2.07812	0.00011
Coniferyl alcohol-2TMS	1.34618	0.00320	1.23151	0.02318
Glucuronic acid-meto-5TMS(1)	1.53207	0.00323	1.34646	0.00151
meso-Erythritol-4TMS	1.72877	0.00360	1.41240	0.00141
Galactosamine-5TMS(1)	1.66865	0.00442	1.24245	0.00229
Mannose-meto-5TMS(2)	1.21304	0.00561	1.24611	0.00203
Galactose-meto-5TMS(2)	1.21183	0.00582	1.24730	0.00195
Glucose-meto-5TMS(2)	1.21100	0.00598	1.24616	0.00201
N-Acetylglutamine-2TMS	1.21146	0.00899	1.33230	0.00011

Glucosamine-5TMS(1)	1.21603	0.00979	1.50628	0.00246
Lactic acid-2TMS	1.75865	0.01316	2.06501	0.01572
Ribulose-4TMS	1.71585	0.01521	1.57127	0.00561
Tyramine-3TMS	1.20258	0.01817	1.28135	0.00231
Fructose-meto-5TMS(2)	1.42280	0.02393	1.21456	0.02190
5-Dehydroquinic acid-5TMS	1.28379	0.02403	1.28189	0.02267
Threonic acid-4TMS	1.35953	0.03235	1.54915	0.00004
1,5-Anhydro-glucitol-4TMS	1.23604	0.03318	1.25176	0.01222
2-Hydroxyisobutyric acid-2TMS	1.73829	0.03354	2.25805	0.01677
Dihydroorotic acid-3TMS	1.34028	0.03904	1.55121	0.00733
Galactose-5TMS(2)	1.21511	0.03987	1.26687	0.00203
Mannose-5TMS(2)	1.21511	0.03987	1.26687	0.00203
Allose-5TMS	1.21511	0.03987	1.26687	0.00203
Taurine-3TMS	1.65940	0.04253	1.46317	0.01300
Taurine-13C2-3TMS	1.68299	0.04648	1.49559	0.01146

B. Metabolites significantly lower in HIGA mice in both 12 week and 22 week old.

Metabolites	12 week old		22 week old	
	HIGA/Balb/c	p-value	HIGA/Balb/c	p-value
Tyrosine-3TMS	0.49751	<0.00001	0.54995	0.02270
Coniferyl aldehyde-meto-TMS(1)	0.48068	0.00059	0.53221	0.00568
Hypotaurine-3TMS	0.74505	0.03020	0.79055	0.04874
Tryptophan-3TMS	0.57495	0.04356	0.66721	0.04408