

Supplementary Table 1. List of hepatic genes and proteome whose expression covaries with basal glucose in plasma of BXD mice fed with HFD

Data source: The GeneNetwork

Date: September 13, 2018

Datasets: BXD Published Phenotypes; EPFL/ETHZ BXD Liver, High Fat Diet (Jun16) Top100 SWATH; EPFL/LISP BXD HFD Liver Affy Mouse Gene 1.0 ST (Aug18) RMA

Symbol	Basal Glucose (mmol/L), Record ID 17800	Cpt1a	Fasn	Cpt1a (mRNA)	Fasn (mRNA)
B6D2F1					
D2B6F1					
C57BL/6J	21.459999	-1.21224	0.140996	12.957	12.883
DBA/2J	16.379999	-0.837891	-0.598468	12.789	11.936
BXD1					
BXD2					
BXD5					
BXD6					
BXD8					
BXD9					
BXD11					
BXD12					
BXD13					
BXD14					
BXD15					
BXD16					
BXD18					
BXD19					
BXD20					
BXD21					
BXD22					
BXD23					
BXD24					
BXD24a					
BXD25					
BXD27					
BXD28					
BXD29					
BXD30					
BXD31					
BXD32					
BXD33					
BXD34					
BXD35					
BXD36					
BXD37					
BXD38					
BXD39					
BXD40	15.85				
BXD41					
BXD42					

BXD43	11.53	-0.544289		13.073	11.053
BXD44	16.200001	-0.90647	0.0276067	13.382	11.357
BXD45	17.975	-1.07098		12.877	12.759
BXD48	21.280001	-0.780464	0.0517811	12.889	12.386
BXD48a	19.366671	0.369141	0.0065755		
BXD49	13.825	-0.660563	0.104858	12.986	12.957
BXD50	11.98			13.153	10.979
BXD51	18.450001	-0.522434	0.253618	13.28	11.582
BXD52					
BXD53					
BXD54					
BXD55	16.575001	-0.991958	0.272616	12.977	12.396
BXD56	13.6			12.956	11.167
BXD59					
BXD60	17.325001				
BXD61	14.4	-0.732683	-0.272287	12.909	11.683
BXD62	13.925	-0.536508	-0.396461	13.203	11.7
BXD63	14			12.568	12.47
BXD64	14.975	-0.242816	-0.290295	12.823	12.091
BXD65	15.55			12.856	13.329
BXD65a	11.85	0.0270561	-0.528974	13.309	10.971
BXD65b					
BXD66	15.55	-0.264991	-0.756351	12.939	11.019
BXD67					
BXD68	13.75	-0.408494	-0.457344	13.287	10.408
BXD69	16.719999	-0.424224	-0.212744	13.121	11.031
BXD70	20.866671	-0.384256	-0.227817	12.733	12.298
BXD71	12.3	-0.376125	-0.186535	13.161	10.794
BXD72					
BXD73	14.2	-0.494704	-0.692238	13.065	11.844
BXD73a	15.54	0.36483	-0.254141	13.175	11.329
BXD73b	17.780001	-0.833887	-0.325498	13.06	11.663
BXD74					
BXD75	18.200001	-0.753832	-0.157706	12.817	12.831
BXD76					
BXD77	18.360001				
BXD78					
BXD79	12.72	0.251185	-0.277205	13.114	10.704
BXD81	13.35	0.0437169	-0.0390675	13.043	10.765
BXD83	14.625	-0.193889	-0.441568	12.987	11.313
BXD84	15.1	0.0899669	-0.320079	13.053	11.759
BXD85	14.7	0.0442999	-0.234141	12.804	12.646
BXD86					
BXD87	16.74	-0.170775	-0.245035	12.699	13.109
BXD88					
BXD89	14.625			12.752	12.415
BXD90	16.700001	-0.384134	-0.329032	12.941	11.357
BXD91					
BXD93					

BXD94					
BXD95	15.5	-0.0307191	-0.426064	13.237	10.485
BXD98	15.76	0.0968144	0.228498	13.027	11.158
BXD99	19.66	0.524792	0.238009	12.99	12.533
BXD100	17.92	-0.0219908	0.014209	12.727	13.004
BXD101	11.83	0.379438	-0.573055	13.111	10.905
BXD102					
BXD104					
BXD105					
BXD106					
BXD107					
BXD108					
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BXD111					
BXD112					
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BXD128					
BXD128a					
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