

QTL Results CD Mice

Marker	Phenotype	Metabolite Name	chr	pos	lod	pval	Diet	Age
rs49388131	HMDB14900	Irinotecan	7	74.34081	9.799634	0	CD	All
rs3693161	HMDB00673	Linoleic acid	1	160.2851	8.938082	0	CD	All
rs31523971	HMDB00201	L-Acetylcarnitine	3	38.48307	8.937312	0	CD	Young
rs31523971	HMDB00150	Gluconolactone	3	38.48307	8.937312	0	CD	Young
rs30698864	HMDB00210	Pantothenic acid	3	36.54333	8.596278	0	CD	Young
rs27455097	HMDB07860	PA(16:0/18:2(9Z,12Z))	2	114.3171	8.586125	0	CD	Young
rs3151914	HMDB06802	O-Phospho-4-hydroxy-L-threonine	3	36.59936	8.586124	0.01	CD	Young
rs3151914	HMDB00638	Dodecanoic acid	3	36.59936	8.586124	0.01	CD	Young
rs31640914	HMDB00895	Acetylcholine	3	23.43916	8.571553	0	CD	All
rs13476709	HMDB00036	Taurocholic acid	2	114.1972	8.474607	0	CD	Young
rs3151914	HMDB00012	Deoxyuridine	3	36.59936	8.395378	0	CD	Young
rs27455097	HMDB00214	Ornithine	2	114.3171	8.300737	0	CD	Young
rs27455097	HMDB00996	3-Sulfinioalanine	2	114.3171	8.300733	0	CD	Young
rs33299937	HMDB08825	PE(14:0/16:1(9Z))	2	5.653007	8.26945	0	CD	All
rs3714242	HMDB08856	PE(14:1(9Z)/15:0)	12	47.31295	8.237837	0	CD	All
rs30698864	HMDB00929	L-Tryptophan	3	36.54333	8.213883	0	CD	Young

QTL Results HF Mice

Marker	Phenotype	Metabolite Name	chr	pos	lod	pval	Diet	Age
rs30199004	HMDB06791	Melibiotol	10	86.46702	9.17565	0	HF	Old
rs29624362	HMDB01358	Retinal	2	180.1137	9.109887	0	HF	All
rs32071323	HMDB11750	Dihydroxyacetone Phosphate Acyl Ester	5	111.3495	8.716479	0	HF	All
rs49386605	HMDB11676	D-Xylono-1,5-lactone	6	92.88526	8.424436	0	HF	All
rs47865777	HMDB01487	NADH	7	3.078244	8.34451	0.01	HF	All
rs36251697	HMDB04662	S-(Hydroxymethyl)glutathione	1	3.812265	8.290696	0	HF	All
rs29982107	HMDB11676	D-Xylono-1,5-lactone	9	94.90475	8.197366	0	HF	Young
rs50120872	HMDB10383	LysoPC(16:1(9Z))	12	34.60364	8.14489	0	HF	Old
rs49386605	HMDB10343	1-(alpha-Methyl-4-(2-methylpropyl)benzeneacetate)-beta-D-Glucopyranuronic acid	6	92.88526	8.119253	0	HF	All
rs50180998	HMDB00026	Ureidopropionic acid	12	30.1821	8.101939	0	HF	Old
rs32098314	HMDB00821	Phenylacetyl glycine	15	87.98895	8.05834	0	HF	Young
rs13480777	HMDB00673	Linoleic acid	10	116.134	8.050887	0.01	HF	Young
rs258367496	HMDB04662	S-(Hydroxymethyl)glutathione	1	3.659804	7.910335	0	HF	Young
rs4198085	HMDB59612	7-Methylguanosine 5'-phosphate	16	67.77714	7.866325	0	HF	Young
rs32098314	HMDB00904	Citrulline	15	87.98895	7.856642	0	HF	Young