

Gene Query: agpat5

16 May, 2016

Comparing trx vs. trx in Adipose, Liver

Correlations

Top 1000 Records

Within Tissue Intersections

Adipose

2210016F16Rik	Aars	Afg3l1	Ahsa2	Akap8	Bcl2l10	Bop1
Btbd10	Bysl	Caprin1	Ccnd2	Ccng1	Cirbp	Cmc2
Cnnm2	Cnot7	D6Wsu163e	Dda1	Ddx26b	Dock5	Eef1e1
Eif3f	Eif3h	Fkbp1a	Foxk2	Gspt1	H2afv	Ipo11
Ipo4	Jkamp	Kif1b	Kpna1	Lactb2	Mmachc	Mtrr
Myl12a	Nkiras1	Orc2	Orc4	Otud6b	Pfdn5	Pias1
Pla2g6	Pno1	Pnpla2	Prpf39	Rab11a	Ran	Rcan1
Rpe	Sec22b	Serf2	Serpinh1	Taf13	Thoc6	Tmem167
Ttc3	Ttc7b	Uba3	Ube2a	Ube2f	Ube2n	Usp24

Liver

Abcf1	Arfrp1	Arhgef10	Cdk5r2	Chpt1	Clcn4-2	Dnajc18
Eif4g2	Fscn1	Gmcl1	Gspt2	Il6st	Itsn1	Kcnip1
Kdelc1	Lyplal1	Mcfcd2	Msr1	Psmd1	Srsf7	Tm2d2
Trib2	Uqcrb					

Within Tissue Intersections with Bicorrelations

Adipose

correlated_with	bicor_ChowAdipose	bicor_HighFatAdiposeFemale	bicor_HighFatAdiposeMale
2210016F16Rik	0.2916399	0.4293164	0.4377232
2210016F16Rik	NA	0.5899381	0.5138942
Aars	0.2492654	0.3328860	0.3031554
Aars	0.3084887	NA	0.2855623
Afg3l1	0.3113755	0.3146884	0.3498685
Ahsa2	0.3603891	0.3029497	0.5090800
Akap8	-0.3296589	-0.3391478	-0.2917763
Bcl2l10	0.2996466	0.4509010	0.4134477
Bop1	0.3145860	0.3518695	0.3535865

correlated_with	bicor_ChowAdipose	bicor_HighFatAdiposeFemale	bicor_HighFatAdiposeMale
Btbd10	0.3429816	0.4235463	0.2850220
Bysl	0.3479827	0.4357087	0.3463346
Bysl	NA	NA	0.3893052
Caprin1	0.2498980	0.3935508	0.3574608
Caprin1	NA	0.3437021	0.2920536
Ccnd2	0.2764376	0.3224140	0.2922500
Ccnd2	NA	NA	0.2812408
Ccng1	0.2607532	0.3187339	0.2897557
Ccng1	NA	0.3549194	0.3053614
Cirbp	-0.4670202	-0.2980928	-0.3796617
Cmc2	0.3126027	0.4006042	0.4058445
Cmc2	NA	0.4059543	0.4325162
Cmc2	NA	0.5395356	0.4652023
Cnnm2	0.2886426	0.3895672	0.3678939
Cnot7	0.2758167	0.3157839	0.3303757
D6Wsu163e	0.2741764	0.2908641	0.3480553
Dda1	0.2881555	0.3387891	0.2954099
Ddx26b	-0.3512147	-0.3060002	-0.3135705
Dock5	0.2511004	0.3859551	0.3855135
Eef1e1	0.4403423	0.3942691	0.3227092
Eif3f	-0.2565347	-0.4282618	-0.3836448
Eif3h	-0.3231090	-0.3826028	-0.3607492
Fkbp1a	0.3426504	0.3733470	0.3626412
Fkbp1a	0.2870987	0.3539342	0.3244297
Fkbp1a	0.2858870	0.4116012	NA
Fkbp1a	0.3234335	NA	NA
Foxk2	0.2659724	0.2922790	0.2804786
Foxk2	NA	0.3557963	NA
Foxk2	NA	0.4138212	NA
Gspt1	0.3469662	0.3303909	0.2826383
Gspt1	0.3498925	0.3237504	NA
Gspt1	NA	0.3023883	NA
H2afv	-0.3527239	-0.3373244	-0.2882778
Ipo11	0.2712956	0.2998040	0.3936272
Ipo4	0.2823516	0.3634763	0.4002163
Jkamp	0.3301516	0.3532406	0.4519512
Jkamp	NA	0.4037517	0.4405185
Kif1b	0.3162235	0.3318429	0.3610079
Kif1b	0.3078509	NA	NA
Kif1b	0.3513568	NA	NA
Kpna1	0.2734501	0.2951143	0.3455596
Kpna1	0.3209955	0.4230300	NA
Kpna1	0.3060305	NA	NA
Kpna1	0.2590983	NA	NA
Lactb2	0.3003185	0.3319357	0.3881495
Mmachc	0.3218448	0.4502829	0.4847734
Mtrr	0.2781465	0.3421926	0.3108985
Myl12a	0.2595660	0.4249208	0.3648199
Nkiras1	0.3017893	0.3672736	0.3422134
Orc2	0.3442709	0.3569956	0.3413672
Orc2	NA	0.3328580	0.2795993
Orc4	0.2812155	0.3812223	0.2901130

correlated_with	bicor_ChowAdipose	bicor_HighFatAdiposeFemale	bicor_HighFatAdiposeMale
Orc4	NA	0.4323787	NA
Otud6b	0.3407665	0.4216571	0.3938338
Pfdn5	-0.2626248	-0.4161032	-0.3236758
Pfdn5	-0.2605246	-0.4353757	-0.3585565
Pias1	-0.3093221	-0.3086010	-0.3109501
Pla2g6	0.2634383	0.3412371	0.4520887
Pno1	0.3683344	0.4014937	0.3572998
Pnpla2	0.2917129	-0.3038808	0.3364198
Prpf39	-0.2725814	-0.3035568	-0.3268508
Rab11a	0.2629811	0.3258882	0.3132417
Ran	0.4073805	0.4450390	0.4837953
Rcan1	0.2643662	0.3141673	0.3050772
Rpe	0.2880840	0.4549141	0.3906944
Rpe	0.2521104	0.3726220	0.3687443
Sec22b	0.2812980	0.5269504	0.3075621
Serf2	0.2518101	0.3430747	0.3077967
Serf2	0.2495898	NA	NA
Serpinh1	0.2867296	0.4830700	0.2906328
Serpinh1	0.2681381	0.4352695	NA
Taf13	0.3206144	0.4319067	0.4602420
Thoc6	0.2980380	0.3272276	0.3200154
Tmem167	0.3436217	0.3339810	0.2833895
Tmem167	0.3369594	0.4516569	NA
Tmem167	0.2940316	0.4056918	NA
Tmem167	0.3480246	0.3355623	NA
Ttc3	-0.2538593	-0.2965370	-0.2862208
Ttc3	NA	NA	-0.3069397
Ttc3	NA	NA	-0.3281701
Ttc7b	0.2613396	0.2904961	0.3261704
Ttc7b	0.2695034	NA	NA
Uba3	0.2665316	0.2958087	0.2926330
Uba3	0.2687588	0.3206367	0.3373791
Ube2a	0.3356729	0.2957456	0.3973316
Ube2f	0.3035457	0.2984562	0.3141698
Ube2f	0.3470144	0.3230886	0.3500992
Ube2f	0.3050148	NA	0.3319653
Ube2n	0.3547201	0.3921209	0.2801037
Usp24	0.3318376	0.2999904	0.3525321
Usp24	NA	0.3401748	NA

Liver

correlated_with	bicor_ChowLiver	bicor_HighFatLiverFemale	bicor_HighFatLiverMale
Abcf1	-0.1917418	0.2185525	0.1661691
Abcf1	-0.1966461	NA	NA
Arfrp1	0.1858894	0.2185099	0.1812145
Arfrp1	NA	0.2123259	NA
Arfrp1	NA	0.1792021	NA
Arhgef10	0.1842864	0.2510521	0.2475333
Arhgef10	0.1904847	0.2649036	0.2373427
Cdk5r2	0.1759054	-0.1727787	0.1700219

correlated_with	bicor_ChowLiver	bicor_HighFatLiverFemale	bicor_HighFatLiverMale
Chpt1	-0.1661393	0.1776968	-0.1835936
Chpt1	-0.2034859	NA	NA
Clcn4-2	-0.1643567	-0.1818033	-0.2399686
Clcn4-2	NA	NA	-0.2416825
Dnajc18	0.1798081	0.2430341	0.1676241
Eif4g2	-0.1754137	-0.2825695	-0.1810167
Eif4g2	-0.1711952	NA	NA
Fscn1	0.2363249	-0.1811702	0.1759935
Gmcl1	0.2028078	0.1729366	0.2217781
Gmcl1	NA	0.2347817	NA
Gmcl1	NA	0.2284944	NA
Gspt2	0.2189940	0.1941144	0.1647165
Il6st	0.2133739	0.2854940	0.2123445
Il6st	NA	0.1925662	NA
Il6st	NA	0.2741967	NA
Itsn1	0.2004269	0.1964778	0.1727160
Kcnip1	0.1803640	0.1856238	0.1944664
Kcnip1	NA	NA	0.1768153
Kdelc1	0.2014405	0.1924789	0.2918468
Kdelc1	NA	NA	0.1664188
Lyplal1	0.1833366	0.2202110	0.1707419
Mcf2	0.2017680	0.1751064	0.2245521
Msr1	0.2367797	0.2230266	0.1755631
Msr1	0.1702325	0.1955022	0.2424030
Msr1	NA	0.1947731	0.2179559
Psmc1	-0.1758128	-0.2707981	-0.1692281
Srsf7	0.1974321	0.2226514	0.1896908
Tm2d2	-0.2037966	0.2043476	0.1810063
Tm2d2	-0.1887539	0.2247402	0.2718008
Tm2d2	-0.1961197	NA	NA
Trib2	0.1641869	0.1711963	0.2149667
Uqcrb	-0.2208756	-0.2148855	-0.1981038

Adipose Intersections with Mouse and Human Data

Within Tissue Intersections

dock5	myl12a	ran
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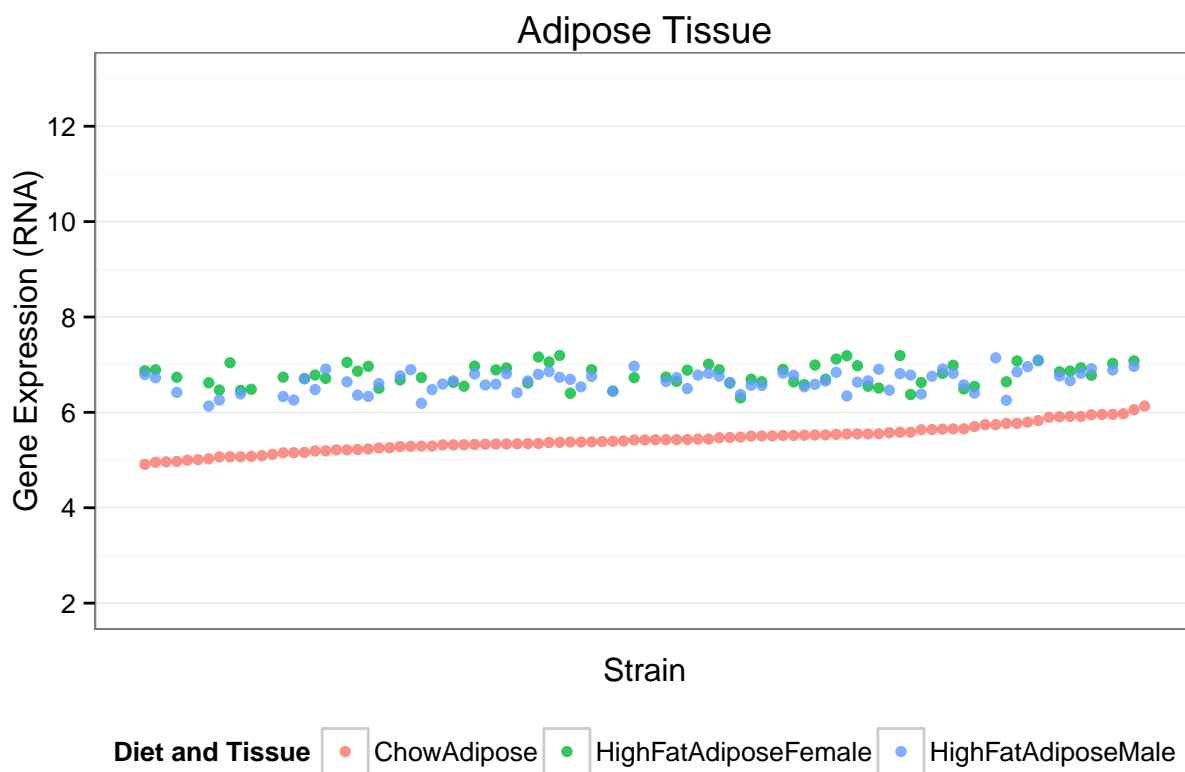
Within Tissue Intersections with Bicorrelations

correlated_with	bicor_ChowAdipose	bicor_HighFatAdiposeFemale	bicor_HighFatAdiposeMale	bicor_Human
dock5	0.2511004	0.3859551	0.3855135	0.4464129
myl12a	0.2595660	0.4249208	0.3648199	0.4566854
myl12a	NA	NA	NA	0.4379144
ran	0.4073805	0.4450390	0.4837953	0.4524302

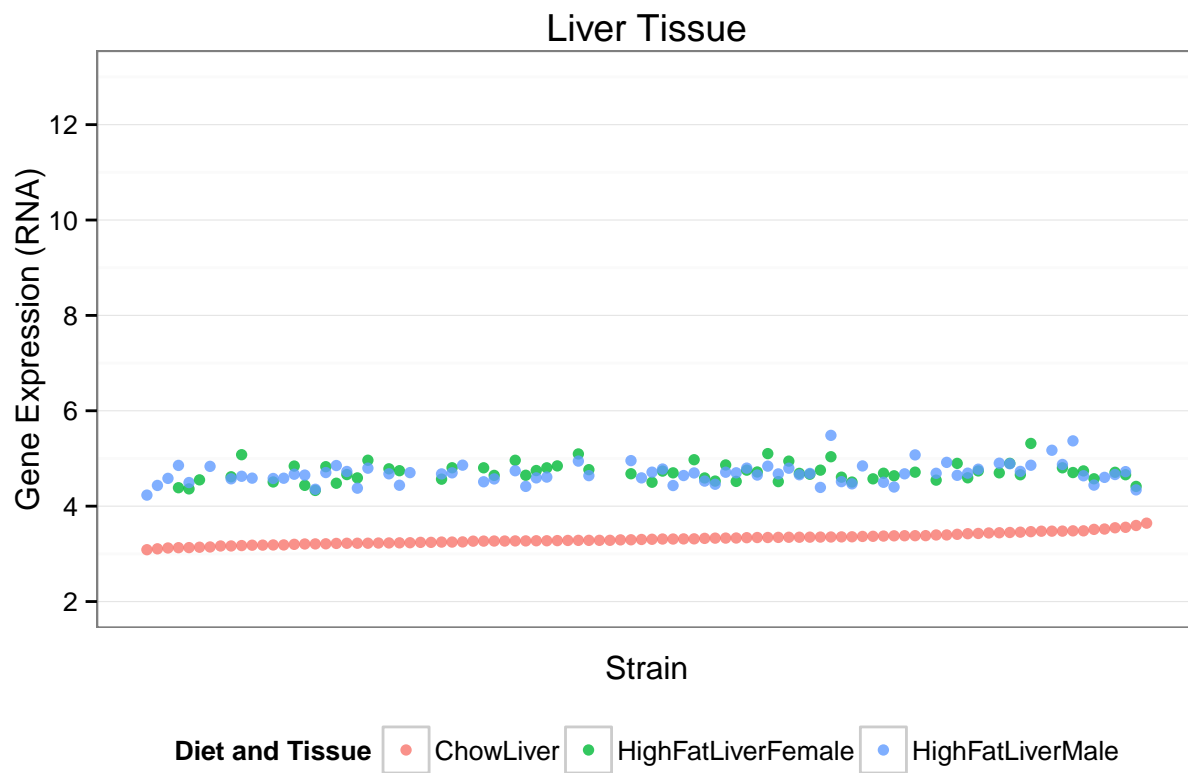
Transcript Abundance

Within Tissue Plots

Adipose



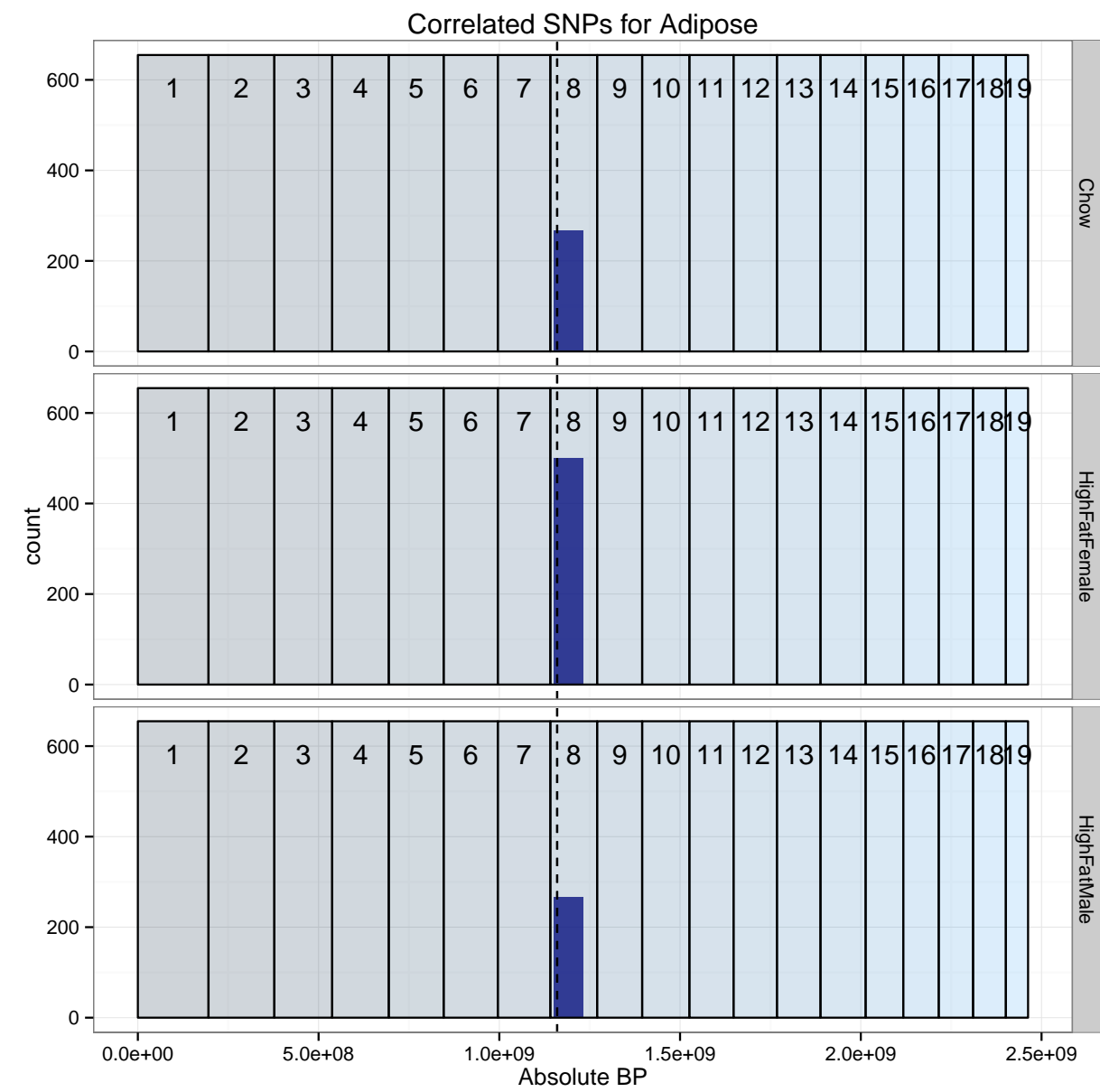
Liver



eQTL

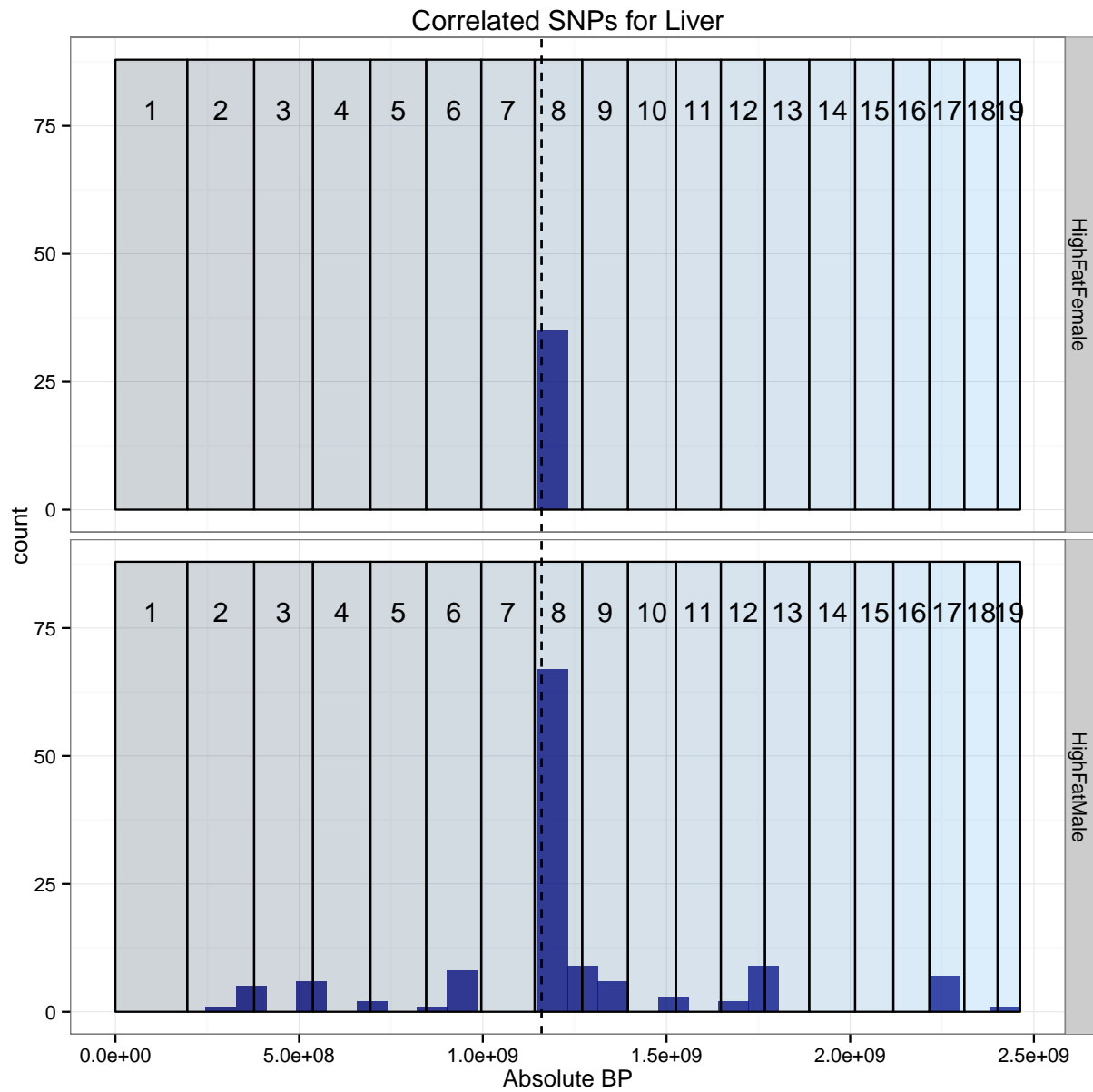
Within Tissue Plots

Adipose



kind	Chr 06	Chr 08	Chr 11
Chow	1	266	1
HighFatFemale	0	499	0
HighFatMale	0	266	0

Liver



kind	Chr 02	Chr 04	Chr 06	Chr 08	Chr 09	Chr 10	Chr 12	Chr 17	Chr 18
HighFatFemale	0	0	0	35	0	0	0	0	0
HighFatMale	6	8	9	73	9	3	11	7	1

Low Dimensional Table View of SNPs

Adipose

diet	rsID	snp_chr	snp_bp_abs	number_of_other_snps_nearby
Chow	rs36365272	6	949126895	0
Chow	rs50928140	8	1160396699	44
Chow	rs45878312	8	1162908574	18
Chow	rs30191312	8	1156320800	40
Chow	rs47351567	8	1164507278	14
Chow	rs32786149	8	1165598997	10
Chow	rs48852600	8	1166195267	0
Chow	rs27084358	11	1617417918	0
HighFatFemale	rs33428584	8	1158759620	0
HighFatFemale	rs45878312	8	1162908574	18
HighFatFemale	rs36667561	8	1165658434	0
HighFatFemale	rs32705205	8	1166678899	6
HighFatFemale	rs47773215	8	1173689545	92
HighFatFemale	rs30347536	8	1176560856	142
HighFatFemale	rs3724402	8	1179408942	0
HighFatMale	rs50928140	8	1160396699	44
HighFatMale	rs32806311	8	1158459656	48
HighFatMale	rs6194052	8	1164455163	26
HighFatMale	rs33158872	8	1165599180	14
HighFatMale	rs3684922	8	1176663319	2
HighFatMale	rs30442028	8	1177109886	0

Liver

diet	rsID	snp_chr	snp_bp_abs	number_of_other_snps_nearby
HighFatFemale	rs33569010	8	1160031199	0
HighFatFemale	rs33547768	8	1163027883	2
HighFatFemale	rs33394599	8	1165451161	2
HighFatMale	rs28210797	2	344226923	0
HighFatMale	rs27414545	2	300165375	0
HighFatMale	rs37313715	6	946086051	0
HighFatMale	rs49441129	6	922035181	0
HighFatMale	rs47716100	6	897298072	0
HighFatMale	rs33569010	8	1160031199	0
HighFatMale	rs48230822	8	1159702358	10
HighFatMale	rs32843714	8	1162891695	8
HighFatMale	rs32578496	8	1163106635	8
HighFatMale	rs37878702	8	1165658310	16
HighFatMale	rs36580966	9	1303171854	2
HighFatMale	rs33152629	9	1368398566	4
HighFatMale	rs33173503	9	1369138624	0
HighFatMale	rs51800669	10	1513989255	0
HighFatMale	rs46493833	12	1652026190	0
HighFatMale	rs45808330	12	1652103638	0
HighFatMale	rs32711687	12	1743318540	8
HighFatMale	rs51611511	17	2261243623	2
HighFatMale	rs48269458	18	2392661164	0