

TAUvsControls

	logFC	logCPM	LR
ZFP41:CCDS6397.1	1.278868761	1.776527286	41.33892611
NEK9:CCDS9839.1	1.141071	4.788839336	29.90055775
RASD2:CCDS13916.1	-0.877340851	1.412390945	9.223431852
MUC16:CCDS54212.1	-3.300136464	5.141504599	173.0562568
XIRP2:CCDS42769.1	-2.780484804	3.054299482	106.7810437
XIRP2:CCDS56144.1	-2.741749516	2.962304129	106.1362761
FLG:CCDS30860.1	-2.971196481	3.167333243	101.2461139
ABCC3:CCDS32681.1	-2.781793436	2.360828375	98.24945463
SPTA1:CCDS41423.1	-2.731515938	2.895098768	95.88023833
CPB1:CCDS33874.1	-3.48286015	1.960681421	95.55492028
SCN10A:CCDS33736.1	-2.664815909	2.470293732	94.90928693
APOB:CCDS1703.1	-2.696260685	3.45354921	93.30011952
MUC17:CCDS34711.1	-2.896610483	3.243321108	92.75485093
STAB2:CCDS31888.1	-2.244030519	3.137124322	91.75465076
GPR112:CCDS35409.1	-2.105288352	2.946982103	90.89558408
LRR61:CCDS5901.1	-2.687799691	1.859019987	90.68497643
EPS8L3:CCDS815.1	-2.807099813	2.037313757	89.14066933
EPS8L3:CCDS814.1	-2.806083952	2.034804229	89.0973727
EPS8L3:CCDS813.1	-2.789741071	2.008932675	87.35972273
PKHD1:CCDS4935.1	-1.68569605	3.418419013	86.03720608
ZNF831:CCDS42894.1	-2.729884581	1.958096138	84.28607256
TUBA3C:CCDS9284.1	-2.342356926	2.179107417	83.99952361
PKHD1:CCDS4936.1	-1.691034017	3.175716116	81.22242501
WDR87:CCDS46063.1	-2.554687898	2.88881298	80.5547298
CD163:CCDS8578.1	-2.151023082	1.825933228	80.37055059
CD163:CCDS53742.1	-2.148253046	1.801535278	80.07580481
SI:CCDS3196.1	-2.585396346	2.348255385	80.02477105
CR1:CCDS44308.1	-2.607345277	3.113308358	79.49678086
MYO1A:CCDS8929.1	-2.550943965	1.824872149	79.21444245
ATP13A5:CCDS33914.1	-2.592601109	1.874946838	79.05999396
LRRN4:CCDS13097.1	-2.671900386	1.718298314	78.32170871
LAMB4:CCDS34732.1	-2.862537012	2.899327125	77.3616535
KRT3:CCDS44895.1	-2.673485248	1.643740651	76.72156318
ABCC12:CCDS10730.1	-2.495879477	2.067752339	76.4824222
USH2A:CCDS31025.1	-2.936972129	3.729673358	76.15355174
SEMG2:CCDS13346.1	-3.117229438	1.254682018	75.78965163
ZNF541:CCDS46133.1	-2.521841695	1.99283815	75.70460467
GSTT1:CCDS13822.1	2.043096659	3.832157269	75.62099308
MYH4:CCDS11154.1	-2.952935243	3.260435957	75.22064904
TDRD6:CCDS34470.1	-2.458058205	2.249683951	75.07617811
TDRD6:CCDS55017.1	-2.453476869	2.216586863	74.21708026
MUC4:CCDS3311.1	-2.622266233	1.892381667	72.87662456
HRNR:CCDS30859.1	-2.564581144	2.447126743	72.51956276
TEX11:CCDS43968.1	-2.559714313	2.154593953	72.42913115
CR1:CCDS44309.1	-2.514934121	2.795696051	72.20363225
ROS1:CCDS5116.1	-2.498613835	2.707571328	72.19698211
PKD1L1:CCDS34633.1	-1.674215688	3.254674687	72.18220364
EMR3:CCDS12315.1	-2.541599314	1.405934343	71.65168199
MUC4:CCDS3310.1	-2.582939555	1.980087777	71.63062047
BNC1:CCDS10324.1	-2.61163513	2.018491356	71.55833028

TAUvsControls

MYO1G:CCDS34629.1	-1.973900245	1.655937878	71.39295283
CFTR:CCDS5773.1	-2.455521483	2.213043906	71.36412064
PKHD1L1:CCDS47911.1	-2.005947921	3.593939159	71.22948958
FLG2:CCDS30861.1	-2.555866331	2.177039347	70.42594422
AMPD1:CCDS53349.1	-2.596808492	1.650545182	69.9057508
HSD17B2:CCDS10936.1	-2.389951773	2.443534733	69.76817339
DNAH5:CCDS3882.1	-1.474174424	3.684944497	69.63412579
FAM186A:CCDS44878.1	-1.991952526	2.265868206	69.61350822
TDRD5:CCDS55663.1	-2.202646757	1.815635249	69.32813406
MUC4:CCDS54700.1	-1.977670373	3.654394845	69.26236552
TRPM6:CCDS55319.1	-2.496602692	2.74029816	69.24703808
BPIFB1:CCDS13218.1	-2.884264109	1.031950177	69.01305559
TRPM6:CCDS6647.1	-2.49190434	2.7381875	69.01110504
AMPD1:CCDS876.2	-2.591733389	1.687030176	68.8466927
TRPM6:CCDS55318.1	-2.487447222	2.745183879	68.74194147
PON1:CCDS5638.1	-2.772298943	1.077838118	68.70174702
ALS2CR11:CCDS54430.1	-2.072910601	2.146116688	68.32555024
MRGPRX1:CCDS7846.1	-3.53323855	1.346546109	68.20341515
KRT33B:CCDS11389.1	-3.56039586	1.399541514	67.44733806
ESYT3:CCDS3101.2	-2.612908512	1.784327678	67.38873098
ITGAM:CCDS45470.1	-2.464544634	1.8997028	66.97277268
ITGAM:CCDS54004.1	-2.464544634	1.8997028	66.97277268
USH2A:CCDS1516.1	-2.535948724	2.095071019	66.95642106
SLC22A9:CCDS8043.1	-2.762450966	1.008689028	66.65748463
ABCB11:CCDS46444.1	-2.51921711	1.855252753	66.56978991
ABCC3:CCDS45739.1	-2.528736258	1.071640624	66.55768813
DSG4:CCDS11897.1	-2.584134122	1.791156796	66.30339541
SLC12A1:CCDS10129.2	-2.565091671	1.794180206	66.26469453
TDRD5:CCDS1332.1	-2.185079441	1.750350441	66.2543047
FYB:CCDS54848.1	-2.453952831	1.443151512	66.16695429
PLB1:CCDS33168.1	-1.671028432	2.796928075	66.03750523
PNPLA5:CCDS14053.1	-2.599467569	0.894516371	65.9623603
FYB:CCDS47200.1	-2.451556706	1.334106724	65.85475963
PIK3C2G:CCDS44839.1	-2.414557939	2.223992036	65.82221526
ADCY10:CCDS1265.1	-1.985288879	2.358210746	65.79319554
SLC12A1:CCDS53940.1	-2.586813787	1.814354663	65.71115112
PLB1:CCDS54340.1	-1.661442395	2.779426024	65.66910566
WDFY4:CCDS44385.1	-1.660853055	3.579300511	65.30144446
SIX6:CCDS9747.1	-4.348402647	3.474064617	65.20782461
BTBD16:CCDS31301.1	-2.540882369	0.869277768	65.15473575
PLA2G4E:CCDS55962.1	-2.539025591	1.819365326	64.75198735
DSG4:CCDS45845.1	-2.552484153	1.775687287	64.6905494
PIWIL3:CCDS33623.1	-2.4392832	1.597062098	64.20625024
ATP8B4:CCDS32238.1	-2.539103961	1.887160656	63.36121417
ACSM5:CCDS10585.1	-2.524380726	0.962862891	63.25045073
RFX6:CCDS5113.1	-2.481103234	1.314019139	63.15112584
SMC1B:CCDS43027.1	-2.440511123	1.939963398	63.06555144
SLC15A1:CCDS9489.1	-2.393315498	1.275704838	62.93190836
NLRP5:CCDS12938.1	-2.361127917	1.863983814	62.71191022
CIITA:CCDS10544.1	-1.841747506	1.933941967	62.60842795
UROC1:CCDS54636.1	-2.495811242	1.214489362	62.60748829

TAUvsControls

FRMD7:CCDS35397.1	-3.314179027	1.871983872	62.27092063
MRGPRX3:CCDS7830.1	-3.166389863	0.757178292	61.96099868
LILRB5:CCDS12885.1	-2.468609858	1.153526434	61.7839065
MST1R:CCDS2807.1	-1.436596126	2.19952346	61.68936866
ALS2CR11:CCDS2349.1	-2.428397707	1.184689851	61.61962976
CATSPERB:CCDS32142.1	-2.385279255	1.531321991	61.61773062
DSPP:CCDS43248.1	-2.552170171	1.353541027	61.55998436
LILRB5:CCDS46176.1	-2.463318556	1.156924477	61.43830213
ABCB5:CCDS55090.1	-2.326297599	1.867232012	60.86189095
SIGLEC7:CCDS12826.1	-2.523531883	1.059032498	60.59353405
HEPHL1:CCDS44710.1	-2.327437086	1.690040365	60.5190128
UBASH3A:CCDS13687.1	-2.352341468	1.26898695	60.04937133
CD22:CCDS54249.1	-2.402424524	1.509244012	59.94024528
HOPX:CCDS3507.1	-3.290622202	1.744943718	59.90717617
UBASH3A:CCDS33566.1	-2.351271005	1.175845513	59.88674582
SYCP2:CCDS13482.1	-2.436600968	2.513910955	59.75500027
EYS:CCDS47445.1	-1.938616992	3.085109899	59.59012705
ANKRD30A:CCDS7193.1	-2.336464685	2.11325358	59.58963695
FAM194B:CCDS45045.1	-2.47369755	1.293126514	59.58187666
RGS22:CCDS43758.1	-2.445446665	2.236339045	59.54902874
CD300LF:CCDS11704.1	-2.604218644	0.911154722	59.35809853
PLA2G4D:CCDS32203.1	-2.447291429	1.312516201	59.30090765
FCRL3:CCDS1167.1	-2.370136474	1.411945676	59.18193604
HOPX:CCDS47062.1	-3.232120243	1.914000507	59.10201324
FAM47C:CCDS35227.1	-2.411494083	1.270644755	59.1000632
XIRP2:CCDS56143.1	-2.401827528	1.502793057	58.96829053
TGM6:CCDS13025.1	-2.425212213	1.402400649	58.90309996
SLCO6A1:CCDS34206.1	-2.415164233	1.256551444	58.87075013
ITGB6:CCDS2212.1	-2.378101035	1.296094489	58.75001117
MRGPRX4:CCDS7831.1	-2.972718115	0.839431591	58.74440942
SYCP1:CCDS879.1	-2.537266843	1.980928237	58.62855423
GOLGA6L6:CCDS45184.1	-2.384861237	1.303748901	58.61796863
CACNA2D4:CCDS44785.1	-2.330608463	2.505262424	58.55297533
TLX1:CCDS55725.1	-2.799937963	0.425930878	58.34976317
TRPM1:CCDS10024.2	-1.862923058	2.728324792	58.32403616
DSG1:CCDS11896.1	-2.352060188	1.558565459	58.26792695
ABCC2:CCDS7484.1	-1.497809987	2.254068301	58.20933967
UROC1:CCDS3038.1	-2.442409725	1.105630181	58.08900348
ZNF366:CCDS4015.1	-2.409213338	1.13726694	58.06528664
DDX53:CCDS35214.1	-2.435059516	0.58485996	57.98289163
SLC26A8:CCDS4813.1	-2.43431786	1.73894948	57.76392333
SLC26A5:CCDS5733.1	-2.45742848	1.605274105	57.64194747
FAT2:CCDS4317.1	-1.281223368	3.400505724	57.52907816
RARRES1:CCDS3184.1	-2.082992781	0.713869368	57.47614386
LILRB1:CCDS42617.1	-2.346908594	1.50216282	57.44044985
FCAMR:CCDS53468.1	-2.381801479	0.901009291	57.42201053
BPIFC:CCDS13906.1	-2.508340594	0.992304567	57.3474626
OASL:CCDS9211.1	-2.447924511	0.841111722	57.10256815
LILRB1:CCDS42615.1	-2.343335148	1.513255719	57.10256229
ALS2CR11:CCDS54429.1	-2.407109882	0.920418887	57.08875272
PCDHB1:CCDS4243.1	-2.390947358	0.692607047	56.79815922

TAUvsControls

CYP4A22:CCDS30707.1	-2.335857572	1.148241567	56.78985587
XIRP2:CCDS42768.1	-2.392802891	1.43922069	56.78698882
AIM1:CCDS34506.1	-1.957058943	2.233287621	56.78626168
TNIP3:CCDS3718.1	-2.603962658	0.925064573	56.76393292
LILRB1:CCDS42616.1	-2.34050654	1.506459082	56.71490376
SLC26A5:CCDS55150.1	-2.406845385	1.525893686	56.66041672
SPRR2F:CCDS30867.1	-3.602881137	0.228967922	56.64707588
MORC1:CCDS2955.1	-2.380837595	1.876674799	56.54792821
MFRP:CCDS8421.1	-1.465765285	1.291377396	56.5175124
KRT4:CCDS41787.2	-2.578025279	1.33833275	56.51738292
CCDC158:CCDS43242.1	-2.371423534	1.77639718	56.41236127
LILRB1:CCDS42614.1	-2.337046613	1.517521223	56.38380237
CDCP1:CCDS2727.1	-1.522148277	1.621013447	56.24936079
HSPB7:CCDS30611.1	-3.677476096	2.155887528	56.24625212
PNPLA5:CCDS54537.1	-2.488892025	0.448895454	56.24584287
CCDC129:CCDS5435.2	-2.320968712	1.58549193	56.16626715
CD93:CCDS13149.1	-2.402355044	0.674860604	55.84312725
EVPL:CCDS11737.1	-1.680380607	2.442471722	55.8195941
KRT31:CCDS11391.1	-3.136887199	0.938740881	55.70782553
PDILT:CCDS10584.1	-2.509469874	0.833478814	55.70316867
OR51Q1:CCDS31381.1	-2.604784424	0.197728434	55.70025465
RXFP2:CCDS53862.1	-2.594436105	1.522816534	55.66720096
SIGLEC9:CCDS12825.1	-2.439990947	0.605747096	55.62449278
TRPV5:CCDS5875.1	-2.40042632	1.119908539	55.53208597
AADA2L2:CCDS3161.2	-2.509217178	0.235074594	55.48821038
RORC:CCDS1004.1	-1.905750392	0.662446542	55.41531782
LCT:CCDS2178.1	-1.668134727	2.214228965	55.32367175
TAS1R2:CCDS187.1	-2.339193944	1.161042903	55.22386638
F11:CCDS3847.1	-2.358124771	1.016488566	55.22299596
SLC22A6:CCDS44631.1	-2.444977912	0.592960493	55.19875521
SIGLEC6:CCDS12834.3	-2.442452307	0.676371312	55.19706755
GRM6:CCDS4442.1	-2.446658734	1.202295136	55.07018308
PTPRB:CCDS44943.1	-1.46680057	3.038231706	55.0086116
CNGA2:CCDS14701.1	-2.398343735	0.908358698	55.00464175
ITGAD:CCDS32438.1	-2.283509619	1.936491173	54.92414578
AGXT:CCDS2543.1	-2.495565518	0.456027623	54.90425497
SLC22A10:CCDS41661.1	-2.585713816	1.814610325	54.88636319
ZFY:CCDS48201.1	-1.757283377	1.482583201	54.83859601
CEACAM16:CCDS54278.1	-2.460431495	0.273387833	54.83398721
TGM4:CCDS2723.1	-2.338241087	1.005758135	54.70701923
PTPRB:CCDS44944.1	-1.484039377	2.926135519	54.63442733
SLC22A6:CCDS31591.1	-2.404672595	0.710799308	54.59556803
PARP15:CCDS46893.1	-2.330594624	1.158547332	54.59529669
LRMP:CCDS8701.1	-2.313442688	1.130855256	54.53719849
TYRP1:CCDS34990.1	-1.894414178	1.756923878	54.5308472
CETP:CCDS10772.1	-2.459022879	1.11822399	54.52926141
ADCY10:CCDS53426.1	-1.837426875	2.046590563	54.5027193
LILRB5:CCDS42611.1	-2.375993661	0.970272411	54.46390431
SCTR:CCDS2127.1	-2.348647097	0.835692455	54.39986411
ABCA6:CCDS11683.1	-2.466903193	2.413954314	54.34321419
SPOCD1:CCDS347.1	-1.424860886	2.091805319	54.32887566

TAUvsControls

TRDN:CCDS55053.1	-2.595112601	2.173615109	54.18182767
ADAM32:CCDS47846.1	-2.318259119	1.713680307	54.14269592
SLC4A1:CCDS11481.1	-1.920048833	1.99694595	54.0812153
ZNF804B:CCDS5613.1	-2.26766006	1.595534044	53.98712394
SLC22A6:CCDS44632.1	-2.420130631	0.571485309	53.93874538
ADAM7:CCDS6045.1	-2.383479165	1.925105589	53.92448942
C6orf132:CCDS47428.1	-1.499600962	1.559120375	53.87785636
NLRP8:CCDS12937.1	-2.303599966	1.516220861	53.8653135
KRT76:CCDS8838.1	-2.384527284	1.546335207	53.86504988
T:CCDS5290.1	-2.377915361	0.797107717	53.84791446
PIK3CG:CCDS5739.1	-2.312739593	1.445713003	53.8182257
USP29:CCDS33124.1	-2.356324605	0.906942084	53.76319874
CAPN13:CCDS46252.1	-2.320622269	1.199524668	53.76086128
CDH19:CCDS11994.1	-2.410799493	1.289127721	53.75857526
MX2:CCDS13672.1	-2.285703702	1.056661913	53.75529377
CDH16:CCDS10823.1	-2.309193463	1.437311895	53.72406949
KCNJ15:CCDS13656.1	-2.455230729	0.159966677	53.69635772
SIGLEC6:CCDS12835.3	-2.432357474	0.59102552	53.61985191
SLC2A7:CCDS98.2	-2.402712334	0.720264251	53.52245048
KCNU1:CCDS55220.1	-1.939556196	1.977421175	53.52223373
SLC22A6:CCDS8041.1	-2.380949599	0.691089843	53.46619528
RPS4Y2:CCDS44028.1	-2.541066772	0.858756971	53.36220996
GRAMD2:CCDS32283.1	-2.356084844	0.521486278	53.3215466
MYO1H:CCDS53826.1	-2.376761598	1.693038036	53.27329801
TTLL6:CCDS11537.2	-2.35769614	0.871514869	53.27260937
CR2:CCDS31007.1	-2.2568151	1.675557985	53.27194319
CAGE1:CCDS54965.1	-2.385333401	1.37021435	53.2561937
KRT1:CCDS8836.1	-2.256557593	1.352526385	53.25326518
FCRL5:CCDS1165.1	-2.289143176	1.61508788	53.24838295
ZFY:CCDS14774.1	-1.769267091	1.739835157	53.23812346
PTPRB:CCDS55845.1	-1.473989194	2.870303546	53.22348276
TGM5:CCDS32211.1	-2.352019051	1.008659968	53.17450883
TGM5:CCDS32212.1	-2.336736019	1.153932158	53.14653991
OR6A2:CCDS7772.1	-2.805724957	1.558926955	53.1194671
RORC:CCDS30856.1	-1.89811872	0.553470372	53.09042583
CARD6:CCDS3935.1	-2.321398445	1.428686527	53.084592
MYO7B:CCDS46405.1	-1.331631777	2.839800558	53.00908701
AMTN:CCDS3542.1	-2.495870178	-0.011230499	52.9198139
LRRC31:CCDS43167.1	-2.350086733	1.035109433	52.89985907
SCNN1G:CCDS10608.1	-2.705697492	1.11927262	52.89137508
EIF1AY:CCDS14795.1	-3.609821962	1.406499604	52.88201637
EMR1:CCDS12175.1	-2.280446902	2.070517238	52.83583562
PPEF2:CCDS34013.1	-2.257886754	1.515091066	52.78495456
SIGLEC9:CCDS56100.1	-2.418825162	0.543547951	52.77001563
SLAMF7:CCDS1209.1	-2.366354603	1.099410818	52.40634296
SIGLEC6:CCDS54307.1	-2.406092047	0.534931463	52.31644339
KRT34:CCDS11390.1	-2.893589952	0.960668239	52.24588559
GOLGA6L1:CCDS53919.1	-2.238872202	1.468841941	52.19509784
PTPN7:CCDS1423.2	-2.030691842	1.307724048	52.17129405
CLCNKA:CCDS41269.1	-1.64542498	1.497958173	52.14836164
TDRD1:CCDS7588.1	-2.244353059	2.093919255	52.11597548

TAUvsControls

C1orf101:CCDS44340.1	-2.252162596	1.758599972	52.08817861
MYBPC3:CCDS53621.1	-1.497021293	2.339227043	52.04667698
FMO5:CCDS44209.1	-2.41990883	0.579019754	52.01730331
ENPP3:CCDS5148.1	-1.888752535	1.70629656	51.91045421
MRC1:CCDS7123.1	-2.253700355	2.085810179	51.88272967
ZYG11A:CCDS44148.1	-2.265895614	1.213699051	51.8641196
GPR110:CCDS34471.1	-2.338327451	1.299763185	51.78578012
SLC6A18:CCDS3860.1	-2.311505021	1.578163345	51.78327993
IL9R:CCDS14771.4	-1.54997149	2.059863464	51.78067125
SELE:CCDS1283.1	-2.314931219	1.208572211	51.72445182
CDH16:CCDS56002.1	-2.279773928	1.389618141	51.70701599
LCA5L:CCDS13665.1	-1.808174511	2.332875408	51.68523202
TTLL6:CCDS45724.1	-1.925813133	1.611783492	51.6744762
SLC2A9:CCDS3407.1	-2.330532438	1.113260013	51.6038145
BRDT:CCDS735.1	-2.236621796	1.651464798	51.58144063
LGALS12:CCDS44633.1	-2.357728956	0.948398814	51.55168799
SLC5A8:CCDS9080.1	-2.259867199	0.894675338	51.54126771
FCRL6:CCDS30912.1	-2.263581021	1.255970205	51.47053985
GDF5:CCDS13254.1	-1.444136769	1.235549232	51.45156087
TCHH:CCDS41396.1	-1.965646122	2.485635942	51.44672389
LGALS12:CCDS8045.1	-2.354935409	0.943987843	51.44117537
RPS4Y1:CCDS14773.1	-4.452768637	6.235580262	51.39640326
CD22:CCDS54248.1	-2.323044636	1.75997414	51.35598712
CLCNKA:CCDS167.1	-1.636525289	1.505830476	51.32783297
NUP210L:CCDS41399.1	-1.437906253	2.549164761	51.32009855
CATSPER1:CCDS8127.1	-2.314962991	1.196991726	51.27900544
TMPRSS4:CCDS53716.1	-2.27922882	1.387886891	51.24069021
CAPN11:CCDS47436.1	-2.259455836	1.394823689	51.22575003
DUOX2:CCDS10117.1	-1.365661879	2.254994908	51.19731409
DAZ4:CCDS55556.1	-2.454705261	1.423866684	51.17971543
KRT33A:CCDS11388.1	-2.86893286	0.681299939	51.14648965
TLR3:CCDS3846.1	-2.260039728	1.295378454	51.11455421
ADAD2:CCDS10944.1	-2.313249112	1.25364006	51.11051534
SIGLEC7:CCDS42601.1	-2.421604322	0.803478308	51.10436057
TMPRSS4:CCDS31684.1	-2.275780924	1.395048405	51.09505437
RXFP2:CCDS9342.1	-2.625684425	1.630528247	51.08825162
AGBL2:CCDS7944.1	-1.824730776	1.767392938	50.99077458
IKZF3:CCDS11346.1	-2.338511995	1.269348986	50.79318277
PTPRB:CCDS55846.1	-1.445607599	2.860753689	50.78818093
SLC26A8:CCDS4814.1	-2.349009402	1.586547259	50.75762489
CD22:CCDS12457.1	-2.297050339	1.888652486	50.71344631
IKZF3:CCDS11349.1	-2.333092914	1.128150671	50.67811872
PRAMEF4:CCDS30592.1	-2.383033457	0.139102928	50.673138
PDE6A:CCDS4299.1	-1.800441414	1.615754851	50.63067488
PTPN7:CCDS1422.1	-2.048836348	1.118676073	50.60842054
IL1B:CCDS2102.1	-2.391669465	0.543549376	50.50102612
LILRB2:CCDS12886.1	-2.218631782	1.252422499	50.49775219
BRDT:CCDS55615.1	-2.210697373	1.58566927	50.2830187
SBSN:CCDS54253.1	-2.560542	0.620839561	50.23547646
SIGLEC12:CCDS12833.1	-2.249530136	0.822806789	50.19248322
LILRB2:CCDS42612.1	-2.213675579	1.247318053	50.10830949

TAUvsControls

PDE6C:CCDS7429.1	-2.375254593	1.481831439	50.05350151
SPAG17:CCDS899.1	-1.353239551	2.867205176	50.00041895
DAZ2:CCDS48210.1	-2.516161566	0.93817825	49.94591293
LGALS12:CCDS53648.1	-2.334879997	0.803395449	49.84971879
ANGPTL4:CCDS42493.1	-2.275766831	1.784098735	49.83453675
KCNQ5:CCDS55037.1	-2.35986269	2.067572103	49.82489069
SLC13A2:CCDS54098.1	-1.846901967	1.47341694	49.79494262
SIGLEC6:CCDS54308.1	-2.374603738	0.45920513	49.76162032
FCRL4:CCDS1166.1	-2.292156562	0.900875682	49.72451307
SERPINE1:CCDS5711.1	-2.487309433	6.170653304	49.64618833
ARHGEF38:CCDS56338.1	-2.293807199	1.377768625	49.61973338
B4GALNT2:CCDS11544.1	-2.245026561	0.883176024	49.59310366
C8B:CCDS30730.1	-2.333587178	0.896678714	49.57951682
C1orf101:CCDS1625.1	-2.224104907	1.60415454	49.56291491
ALS2CR11:CCDS54428.1	-2.28349143	0.64658379	49.48961527
SLC39A12:CCDS44362.1	-1.832301493	1.691155965	49.48301566
TNFSF11:CCDS9384.1	-2.361569287	0.280656486	49.47882121
SLC17A3:CCDS47385.1	-2.303573715	0.514433096	49.47363688
KL:CCDS9347.1	-2.281934521	1.275199082	49.41577867
ITIH6:CCDS14361.1	-1.587051574	1.737821609	49.38460649
DAZ2:CCDS35485.1	-2.550519517	0.993642051	49.2302303
TMPRSS4:CCDS44743.1	-2.242044755	1.377694142	49.20189561
MAGEC1:CCDS35417.1	-1.701409702	1.451933909	49.13994694
KLK5:CCDS12810.1	-1.846814321	0.580404078	49.11624323
ADRA1D:CCDS13079.1	-1.749661663	0.887088557	49.09653077
SLC9A4:CCDS33264.1	-2.26523365	1.051996858	49.06176554
TUBAL3:CCDS53491.1	-2.306163077	0.891130021	49.0257538
TCHHL1:CCDS30857.1	-2.243340092	1.083883356	49.02461577
KRT2:CCDS8835.1	-2.278241612	1.052131348	48.95085042
CD163L1:CCDS8577.1	-2.310566155	2.375477977	48.91006972
B4GALNT2:CCDS54139.1	-2.252092822	0.776087231	48.89332005
TUBAL3:CCDS7066.2	-2.294393551	0.947504298	48.8924446
LILRA1:CCDS12901.1	-2.279005942	1.023234284	48.85740239
ASMT:CCDS55364.1	-2.398267283	1.251800731	48.81730051
RNF212:CCDS54704.1	-2.535182567	0.101904023	48.80734641
SLFN14:CCDS45650.1	-2.228007883	0.857402561	48.75667789
DAZ1:CCDS48209.1	-2.474928217	1.85218001	48.72568083
ANKRD1:CCDS7412.1	-1.955252568	1.438495785	48.71650428
TMPRSS4:CCDS53717.1	-2.232766454	1.262807089	48.71258967
SLC13A2:CCDS11231.1	-1.818289802	1.413585498	48.68386495
SLC2A9:CCDS3406.1	-2.295514774	1.058120879	48.67092836
AADA4L4:CCDS30590.1	-2.439873443	0.359495674	48.60936964
NLRP13:CCDS33119.1	-2.274874989	2.65280567	48.55299716
EDAR:CCDS2081.1	-1.865935966	0.643201465	48.50949703
TDO2:CCDS34086.1	-2.400923376	0.664524908	48.47063579
VSIG4:CCDS14383.1	-2.329035868	0.462885535	48.39180351
KLB:CCDS3451.1	-2.184750567	1.211100798	48.35375037
PGLYRP4:CCDS30871.1	-2.480438981	-0.066094576	48.33722456
ADAM2:CCDS34884.1	-2.176922112	1.29904858	48.27604158
ST14:CCDS8487.1	-1.5849226	1.533006992	48.2410149
HTR3D:CCDS54685.1	-2.318655658	0.868165635	48.23617896

TAUvsControls

KRT84:CCDS8825.1	-2.230413517	1.148283469	48.23211438
GBP5:CCDS722.1	-2.205542489	1.056645122	48.22513508
CR2:CCDS1478.1	-2.179824665	1.559980467	48.18745124
TBX4:CCDS11629.1	-2.308630868	1.01063211	48.18655608
NUP210L:CCDS53370.1	-1.417528356	2.421462502	48.15382129
ADAMTS20:CCDS31778.2	-1.637948996	2.479227524	48.00930351
ABCB5:CCDS5371.1	-2.198669121	1.220288809	47.9111513
C4BPA:CCDS1477.1	-2.36100487	0.782047507	47.86936152
ALOX5:CCDS7212.1	-2.374169215	1.292167698	47.84731891
KLK11:CCDS12818.1	-2.351319552	0.199078658	47.83749205
KRT35:CCDS11394.2	-2.335830216	0.636777712	47.76678348
SCN7A:CCDS46442.1	-1.827412893	2.259399072	47.75443867
ANKRD30B:CCDS54182.1	-1.750093434	2.232621159	47.72129297
LGALS12:CCDS44634.1	-2.299717985	0.809888814	47.65404378
RBPJL:CCDS13349.1	-2.256715862	1.020711068	47.56635006
NPHS2:CCDS1331.1	-2.268726672	0.472083665	47.50608082
CYP4F11:CCDS12337.1	-2.313200544	0.711192111	47.43981592
AXDND1:CCDS30948.1	-1.55117185	1.990140028	47.422687
SCEL:CCDS9459.1	-2.321447089	2.168964491	47.41937191
FGD2:CCDS4829.1	-1.599622639	1.12186489	47.40949733
KCNQ5:CCDS4976.1	-2.374709356	2.166040885	47.38514437
GYS2:CCDS8690.1	-2.181733895	1.240269104	47.37838129
CCDC67:CCDS44707.1	-2.302396019	1.013632586	47.27197001
SLC5A1:CCDS13902.1	-2.525025066	1.067504855	47.24457704
SKAP1:CCDS32674.1	-2.330854412	0.733694957	47.19944744
GP2:CCDS10582.2	-2.24064085	1.022336411	47.17770224
FMO2:CCDS1293.1	-2.282590445	0.792339885	47.16776249
HRASLS5:CCDS53646.1	-2.475778272	0.43920438	47.14410519
OR56A1:CCDS31405.1	-2.414234594	-0.011229934	47.07463772
IKZF3:CCDS11348.1	-2.268439399	1.100354571	47.05154005
PAX4:CCDS5797.1	-2.292740071	0.393645912	47.05036433
FSD2:CCDS45332.1	-1.810073582	1.254303394	46.93129292
CSHL1:CCDS11652.1	-2.477018122	0.214126994	46.87140682
ADAM18:CCDS6113.1	-2.225075956	1.426298573	46.83739926
HRASLS5:CCDS8044.1	-2.473702399	0.452694995	46.82637875
MSR1:CCDS5995.1	-2.367938322	0.627452748	46.8144698
SRY:CCDS14772.1	-2.33492908	0.199906829	46.81288384
GPR115:CCDS4922.2	-2.282566447	0.895218905	46.81138376
TBXAS1:CCDS55174.1	-1.700604612	1.143057323	46.73116678
ASMT:CCDS14117.1	-2.484301353	1.664737053	46.72522135
KLK11:CCDS12819.1	-2.402636168	-0.158245517	46.70425976
CD22:CCDS54247.1	-2.245937182	1.73429591	46.69993946
GGT6:CCDS45582.1	-2.269518537	0.482248545	46.65887047
GIMAP8:CCDS34777.1	-2.288769054	0.609329676	46.65479683
IL20RA:CCDS5181.1	-2.305633025	0.905064923	46.65420684
HTR4:CCDS34272.1	-2.33149792	0.745956935	46.65139599
ANO9:CCDS31326.1	-1.7290156	1.701374663	46.64032679
LILRB4:CCDS42618.1	-1.811812731	1.157397261	46.63605168
SAMD9L:CCDS34681.1	-1.738727081	1.953393976	46.56671204
IKZF3:CCDS11351.1	-2.25909128	0.93984963	46.42886392
SIGLEC6:CCDS12836.3	-2.320369397	0.304740268	46.41698905

TAUvsControls

GP2:CCDS42128.1	-2.238051155	1.181339861	46.40871871
ZNF683:CCDS279.2	-2.248732526	0.727863209	46.38546906
KCNQ5:CCDS55036.1	-2.368162244	2.168467373	46.2786035
ARSH:CCDS35198.1	-2.207144592	0.832723578	46.27151765
GAB3:CCDS14760.1	-2.242349111	1.208875741	46.24790645
FPR1:CCDS12839.1	-2.339202901	-0.178186396	46.24377616
LILRB4:CCDS12902.1	-1.808578106	1.159557765	46.23323056
PIWIL1:CCDS9268.1	-2.248714872	1.433890198	46.19740123
CCDC63:CCDS9151.1	-2.275292521	1.275080091	46.17074113
KIAA1210:CCDS48156.1	-2.486846212	2.201123034	46.1659102
CYBB:CCDS14242.1	-2.197990965	0.923503636	46.15742209
GAB3:CCDS48198.1	-2.238612475	1.214611486	46.11033814
LTF:CCDS33747.1	-2.210962984	1.49094526	46.10597033
XIRP2:CCDS56145.1	-2.266031526	1.133760512	46.07745752
SLC39A12:CCDS7124.1	-1.798042691	1.57942621	46.07530431
RARRES1:CCDS54665.1	-1.845588958	0.40376235	46.06190963
RXFP1:CCDS43276.1	-2.192080252	1.429403324	46.01969625
INSC:CCDS41621.1	-1.719252299	1.318827725	46.01414317
TNFRSF13C:CCDS14024.1	-2.175882116	0.573016264	45.9980752
HSD11B1:CCDS1489.1	-2.294936659	0.048480922	45.98421728
CD8B:CCDS1997.1	-2.416389737	0.03724273	45.89173608
BRDT:CCDS55616.1	-2.161191879	1.525672889	45.8708853
EPB42:CCDS10093.1	-2.19138526	1.347955372	45.85517231
GSTT2B:CCDS33617.1	-2.995570126	0.653921969	45.85211809
SAGE1:CCDS14652.1	-2.11862534	1.60990484	45.83482438
LGALS12:CCDS44635.1	-2.274173096	0.65479794	45.83051166
SLC22A12:CCDS8075.1	-1.917045523	0.96027066	45.79733393
FAM205A:CCDS55305.1	-1.577211516	1.495373399	45.7748835
GP2:CCDS45432.1	-2.295271985	0.568091253	45.74191199
ZFP57:CCDS43436.2	-2.294837458	0.531234641	45.73708032
KRT77:CCDS8837.1	-2.249115187	1.218040716	45.67226724
GFRA4:CCDS13055.1	-2.490650323	-0.255451224	45.61885161
PHOSPHO1:CCDS45726.1	-2.391770804	-0.102543583	45.5050544
ACSM4:CCDS44825.1	-2.771262027	3.178204434	45.49285526
ANGPTL4:CCDS12200.1	-2.215721337	1.900585268	45.47272751
PRAMEF15:CCDS44059.1	-2.362872702	0.229912901	45.45617041
TRPV3:CCDS11029.1	-1.955366531	2.036449196	45.41168278
GPR128:CCDS2938.1	-2.161611238	1.190953078	45.3867711
HOPX:CCDS54767.1	-3.090809867	2.152441073	45.38427989
KCNQ5:CCDS55035.1	-2.284698133	1.905073909	45.30340898
UGT2B28:CCDS3528.1	-2.291365208	0.663662388	45.30141909
FMO5:CCDS926.1	-2.24523272	0.671471506	45.29147858
HLA-DRA:CCDS4750.1	-2.453549795	0.503541384	45.29004893
DKK4:CCDS6130.1	-2.353371983	-0.210556228	45.28464864
KRT6A:CCDS41786.1	-2.255775016	1.009177589	45.27710567
SYT8:CCDS7726.2	-2.340067715	0.661097399	45.23595673
FBXO40:CCDS33835.1	-2.258965676	0.819260548	45.21536355
ACTL7B:CCDS6771.1	-1.982463175	-0.067312741	45.20135284
KLK11:CCDS54297.1	-2.350071124	0.008139925	45.19283238
LPO:CCDS32689.1	-2.311367449	1.358193159	45.18719332
SLC47A2:CCDS11211.1	-2.064846755	2.192551955	45.16442018

TAUvsControls

SCEL:CCDS9458.1	-2.283718238	2.1270723	45.13947492
KRT73:CCDS8834.1	-2.256849185	0.94822666	45.12755139
ADAD2:CCDS45536.1	-2.204081325	1.041804364	45.11507705
TTC24:CCDS53379.1	-2.32122872	0.816549063	45.10550148
LPO:CCDS54149.1	-2.282544968	0.993641666	45.08958365
METTL24:CCDS43489.1	-2.372311961	0.374376753	44.94636946
CRYBB1:CCDS13840.1	-3.976959282	7.206048317	44.91873997
AKR1B15:CCDS47715.2	-2.275940149	0.313936447	44.86983358
SHCBP1L:CCDS30955.1	-2.360161929	1.019131149	44.85314378
POTEC:CCDS45835.1	-2.23256042	0.703581635	44.85282257
TBXAS1:CCDS5855.1	-1.700072212	1.025886866	44.83537723
BPIFB2:CCDS13210.1	-2.239746647	0.655113901	44.80561697
FAM124B:CCDS46527.1	-2.455675867	0.419842765	44.78307755
FOXI2:CCDS7655.2	-2.480056915	-0.378192665	44.73391585
GUCY2F:CCDS14545.1	-2.211682648	1.806184285	44.72588353
CLEC4E:CCDS8594.1	-2.390624836	0.016581362	44.67613443
LRRC15:CCDS46984.1	-2.250076818	0.445575853	44.66277452
SIGLEC8:CCDS33086.1	-2.166418387	0.666552959	44.65894998
SBSN:CCDS12464.1	-2.526286562	0.052483086	44.65588189
DDX43:CCDS4977.1	-2.245805444	1.140965394	44.60965128
FAM154A:CCDS6487.1	-2.260810957	0.261095214	44.59411842
AQP12B:CCDS46560.1	-2.420210275	-0.250952304	44.58591061
EPB42:CCDS45249.1	-2.164801684	1.311147379	44.52115807
UMOD:CCDS10583.1	-2.193992909	1.163650181	44.48508014
ENAM:CCDS3544.2	-2.269853698	1.497807305	44.47466583
IKZF3:CCDS11347.1	-2.221128048	1.104453266	44.46151973
GJD4:CCDS7191.1	-2.491807	-0.0635787	44.44060495
ELF5:CCDS7892.1	-2.314320143	0.357657649	44.40560886
ECT2L:CCDS43508.1	-1.757628455	1.640827252	44.36025171
CAGE1:CCDS47367.1	-2.230289158	0.968902423	44.3594351
SLC35D3:CCDS34544.1	-2.298964886	0.368648439	44.3481712
PRDM14:CCDS6206.1	-2.171078735	0.784558857	44.32648383
ASB11:CCDS14164.1	-2.177970475	0.626556831	44.32218337
PHOSPHO1:CCDS11547.1	-2.378545581	-0.220768562	44.28949969
GP2:CCDS45433.1	-2.26889363	0.7829422	44.21453726
IPCEF1:CCDS47509.1	-2.272169737	0.826205178	44.12259458
ELF5:CCDS7893.1	-2.313686089	0.261443747	44.10649772
FAM47B:CCDS14236.1	-2.183687923	0.576212846	44.10055967
HRASLS5:CCDS53647.1	-2.443675622	0.268889588	44.09685021
PTCHD3:CCDS31173.1	-2.24170137	0.796323212	44.08003127
KIF2B:CCDS32685.1	-2.210078317	0.492086913	44.01940451
ASB11:CCDS56596.1	-2.175561443	0.586167794	43.99091907
CT47A11:CCDS35381.1	-2.264987837	-0.020732102	43.97393656
CWH43:CCDS3486.1	-2.191463447	1.206018408	43.97327311
VSIG4:CCDS55435.1	-2.265069531	0.267299727	43.97255181
CLEC17A:CCDS56087.1	-2.179679222	0.777051157	43.97120289
PRKAG3:CCDS2424.1	-2.178395705	0.940090611	43.96911199
FCRL2:CCDS1168.1	-2.227606738	0.82266561	43.95746616
GGT6:CCDS11047.1	-2.244978359	0.326592227	43.94397243
SERPINB7:CCDS11988.1	-2.146655015	1.041750555	43.92937071
RYR2:CCDS55691.1	-1.649458005	4.358897288	43.91919582

TAUvsControls

IL1RL2:CCDS2056.1	-2.221496421	0.707313589	43.90264741
INSC:CCDS41622.1	-1.702304568	1.226814871	43.89618185
KRT14:CCDS11400.1	-2.215299231	0.929247372	43.86456434
ITK:CCDS4336.1	-2.256395225	1.31698683	43.86106015
FAM47A:CCDS43926.1	-2.250619274	0.928460306	43.85698149
CORIN:CCDS3477.1	-1.510151595	2.015338917	43.84561596
KCNQ5:CCDS55034.1	-2.382406859	2.260388049	43.83846948
SLC12A3:CCDS10770.1	-1.632533561	1.923848547	43.80698454
FAM83C:CCDS13251.1	-2.178386478	0.789933389	43.79725186
SERPINA12:CCDS9926.1	-2.329062386	0.025622507	43.7888145
DOK3:CCDS47350.1	-1.791978031	0.581559335	43.78407005
SLC12A3:CCDS45491.1	-1.631233395	1.923391892	43.72039381
KLK12:CCDS12821.1	-2.288169481	0.082194399	43.69846992
COL4A4:CCDS42828.1	-2.050991945	2.450802576	43.67932729
IPCEF1:CCDS5245.1	-2.261665136	0.816204795	43.66218115
TLR8:CCDS14152.1	-2.160660106	1.027598386	43.65715499
DOK3:CCDS47349.1	-2.207185159	0.162009787	43.65308772
DPEP3:CCDS10856.1	-2.222969172	0.703482663	43.6112064
MRGPRF:CCDS8188.1	-2.283559065	0.530912778	43.60641895
CPA1:CCDS5820.1	-1.680373896	1.056332665	43.588275
KLK12:CCDS12820.1	-2.294524354	0.166857414	43.57977608
CT47A5:CCDS35387.1	-2.274507343	0.09105801	43.52517714
FCRL1:CCDS1170.1	-2.254987403	0.705314173	43.49482962
PRSS21:CCDS45389.1	-2.322749778	0.4089994	43.48714316
MPP4:CCDS46491.1	-2.295506145	1.767755463	43.4810479
LTF:CCDS56251.1	-2.211889411	1.356693984	43.41135997
KYNU:CCDS2183.1	-2.206120162	1.044002011	43.40355367
HPSE2:CCDS7477.1	-2.324466904	1.065152157	43.38565668
SCEL:CCDS53877.1	-2.246559581	2.037459663	43.32576149
BPIFB6:CCDS13211.1	-2.192068916	0.69162496	43.30217315
SFTPFB:CCDS1983.2	-2.217974888	0.331658044	43.28055187
TLR7:CCDS14151.1	-2.242226293	1.475023623	43.26259807
TDRD10:CCDS30878.2	-2.29238746	0.360201563	43.25639552
SLC9A2:CCDS2062.1	-2.283302438	1.209367956	43.25254877
IQCA1:CCDS46549.1	-1.467498704	1.928297439	43.2263521
SLC36A3:CCDS4314.1	-2.241946454	0.798074281	43.22441969
STK31:CCDS43556.1	-1.583044714	1.890785798	43.21917588
OR10A6:CCDS31420.1	-2.327254101	-0.047153043	43.18681095
SULT1B1:CCDS3530.1	-2.296303475	-5.25088E-05	43.17624016
TDRD9:CCDS9987.2	-2.431973136	2.201021988	43.14494173
CT47A12:CCDS56607.1	-2.254491906	0.097653182	43.14122416
ANXA8L2:CCDS7216.1	-2.293979346	2.179305703	43.12961407
PRSS21:CCDS10478.1	-2.303975133	0.423481501	43.09380813
TDRD10:CCDS41406.1	-2.263392357	0.338521491	43.03768853
ZBP1:CCDS13461.1	-2.237617457	0.847531514	43.00884241
PRAMEF11:CCDS53268.1	-2.257630877	-0.008880394	43.00853049
NCF4:CCDS13935.1	-2.238776801	0.695724628	43.0052931
DAZ4:CCDS55557.1	-2.358114209	0.90383921	42.9854266
DDX4:CCDS3969.1	-1.770594596	1.497266588	42.97655735
TBXAS1:CCDS55175.1	-1.672721015	0.859767498	42.97057756
GAB4:CCDS42976.1	-2.274156457	0.764811413	42.95504522

TAUvsControls

B4GALNT2:CCDS54140.1	-2.171348128	0.65793127	42.91770977
ACTBL2:CCDS34163.1	-2.294615228	0.950871322	42.8966117
GH2:CCDS11648.1	-2.324756213	-0.046387603	42.87384925
ITIH3:CCDS46845.1	-2.762023719	2.512257406	42.83608294
SLC22A25:CCDS31592.1	-2.193585226	0.542494711	42.78290507
SLCO2B1:CCDS8235.1	-2.131120778	1.474558223	42.76118742
CT47A4:CCDS35388.1	-2.250875745	0.046297604	42.74919217
RUNX3:CCDS30633.1	-2.252398488	0.431905868	42.73645718
TGM7:CCDS32213.1	-2.207004043	1.040402515	42.70248732
SLC17A4:CCDS4564.1	-2.259402744	0.828753092	42.66923506
PRSS21:CCDS45388.1	-2.286811204	0.369867013	42.66269133
AQPEP:CCDS4124.1	-1.505256598	1.351473656	42.66030276
NOX5:CCDS32276.2	-1.428004498	1.842040399	42.65116586
ASZ1:CCDS5772.1	-2.220726972	0.453374459	42.62672679
REG1A:CCDS1964.1	-2.472863912	-0.132760099	42.62359745
STK31:CCDS5386.1	-1.615112362	1.997692057	42.55308487
CASP12:CCDS55785.1	-2.216580861	0.483831694	42.54242312
CT47A2:CCDS35390.1	-2.191493496	0.098766574	42.41522504
UBQLN3:CCDS7758.1	-2.225961321	0.359321681	42.36267415
NMUR2:CCDS4321.1	-2.213180152	0.420029596	42.35411639
ZBP1:CCDS54478.1	-2.263742632	0.147621025	42.33384657
TNFSF10:CCDS3219.1	-2.460469134	0.298219598	42.26581574
CARD11:CCDS5336.2	-1.297607772	2.185029667	42.23737923
BEND2:CCDS14184.1	-2.1592768	1.231367764	42.20410204
HTR3D:CCDS46966.1	-2.209323904	0.760436929	42.20117327
GPRC6A:CCDS5112.1	-2.123697286	1.088640651	42.17573055
CD8B:CCDS42708.1	-2.352522521	0.034808336	42.17483435
FAM9A:CCDS14131.1	-1.741942322	0.824577182	42.16239865
SPATC1:CCDS47937.1	-2.203734568	0.498462883	42.14082383
KRTDAP:CCDS12462.1	-2.329383649	-0.342408213	42.121833
C1orf101:CCDS55693.1	-2.155534018	1.279258844	42.11061001
CT47A8:CCDS35384.1	-2.199552283	0.044861596	42.04218083
FCGR2A:CCDS44264.1	-2.272091131	0.383817124	41.95070786
CLEC4M:CCDS12187.1	-2.278837296	1.149312742	41.95020952
DOK3:CCDS4426.1	-1.692127233	1.15093952	41.93064379
LRRC15:CCDS3306.1	-2.220240202	0.357794817	41.92333003
FCRL1:CCDS53383.1	-2.233363068	0.68899526	41.91958844
CLCA4:CCDS41355.1	-2.092884845	1.268202028	41.91746391
SLCO2B1:CCDS44683.1	-2.119007487	1.381362221	41.91083135
BPIFA3:CCDS13216.2	-2.405768364	0.06063782	41.89654653
MOG:CCDS34370.1	-1.846899848	0.83615687	41.89325313
CASP5:CCDS44718.1	-2.199151957	0.514525557	41.88768192
MAT1A:CCDS7365.1	-2.228314332	0.608047067	41.87208798
CD209:CCDS12186.1	-2.221915171	0.896993013	41.87205182
MYH13:CCDS45613.1	-2.760822801	2.634441517	41.86504036
CD8B:CCDS1995.1	-2.316401105	0.07959483	41.84930031
A2ML1:CCDS8596.2	-1.516180549	2.421195019	41.80956
SLC4A9:CCDS47278.1	-1.452117943	1.761275702	41.80224766
C16orf78:CCDS10738.1	-2.408844907	-0.305746823	41.76819012
SLC5A9:CCDS30709.2	-1.845630603	1.327768185	41.75520764
MEPE:CCDS3625.1	-2.185230239	0.760394546	41.74927414

TAUvsControls

IVL:CCDS1030.1	-2.217423451	0.535647569	41.73497782
HMGCS2:CCDS53353.1	-2.214182	1.129227848	41.72634015
MLKL:CCDS32487.1	-2.2334697	0.80230622	41.71171968
KRT27:CCDS11375.1	-2.174954724	0.526291161	41.71118034
NBPF4:CCDS44182.1	-1.742872503	1.026470792	41.6897368
IL12B:CCDS4346.1	-2.338757122	0.673208985	41.67346451
BTNL8:CCDS43413.1	-2.164001501	0.752038416	41.65835354
ADTRP:CCDS4521.1	-2.319930878	0.016926834	41.6203979
ASB11:CCDS35209.1	-2.145756661	0.595128219	41.60109376
YIPF7:CCDS54766.1	-1.867368513	0.012340113	41.55263146
DDX4:CCDS54854.1	-1.748964534	1.385343987	41.54759618
SLC11A1:CCDS2415.1	-1.444462661	1.197488895	41.54180144
SLC5A9:CCDS44136.1	-1.823868525	1.424686622	41.52381157
CT47A10:CCDS35382.1	-2.203808743	0.007370827	41.52228408
TRPC6:CCDS8311.1	-2.241582507	1.596429827	41.51661663
PRAMEF9:CCDS30598.1	-2.252831879	0.323914493	41.49069163
CCL7:CCDS11278.1	-2.731678451	-0.569929175	41.49000794
RIPK3:CCDS9628.1	-2.176657161	0.628750163	41.47274422
C18orf63:CCDS54189.1	-2.142225694	0.923980044	41.44866412
HORMAD1:CCDS55633.1	-2.21690964	0.478620106	41.39609415
TBC1D8B:CCDS14522.1	-2.213987146	2.009378805	41.38772974
TBX5:CCDS9173.1	-2.220491566	0.787566261	41.35640454
PGLYRP3:CCDS1035.1	-2.200704455	0.206765759	41.33721955
FCGR2A:CCDS30922.1	-2.260515618	0.372794642	41.31762025
APOH:CCDS11663.1	-2.158398429	0.339325771	41.30433139
NPSR1:CCDS5444.1	-2.122009099	1.199263238	41.2436299
TCF21:CCDS5167.1	-2.484769897	-0.55550132	41.23605814
CYP2A13:CCDS12571.1	-2.129585614	0.546353836	41.23421122
CD209:CCDS45950.1	-2.197476516	0.764372613	41.22475846
MSR1:CCDS5997.1	-2.304868098	0.379107343	41.22038711
ETV7:CCDS4819.1	-2.248481239	0.805244748	41.21716761
UMODL1:CCDS56215.1	-1.410967049	2.265441995	41.20683809
UMODL1:CCDS56214.1	-1.407077968	2.175141282	41.18648399
AKAP4:CCDS14329.1	-2.316466822	1.176044229	41.15956013
PKD2L2:CCDS43367.1	-1.739287834	1.181872059	41.15926404
GBP7:CCDS720.1	-2.062124733	0.760837376	41.14599334
HHIPL2:CCDS1530.2	-1.635983122	1.849258776	41.13823453
MACC1:CCDS5369.1	-2.122930813	0.91283459	41.11663958
ESR1:CCDS5234.1	-2.155137378	0.996024938	41.10682251
VAX1:CCDS44483.1	-1.729664771	1.205707825	41.07712944
CD38:CCDS3417.1	-2.309890798	0.511401739	41.07252336
F13A1:CCDS4496.1	-2.344639049	1.229889421	41.01086502
ABCG2:CCDS3628.1	-2.130056199	1.152940127	40.98545072
GH2:CCDS45757.1	-2.285648445	-0.082118393	40.98492833
GFI1B:CCDS6957.1	-2.23123058	0.071406394	40.96644126
KLHL31:CCDS34478.1	-2.206433146	0.661300016	40.93420362
GRK7:CCDS3120.1	-2.191194451	0.25417043	40.93230905
PLEKHG7:CCDS31873.1	-2.22329163	0.238532294	40.89498217
ITIH1:CCDS2864.1	-1.33859677	1.908236208	40.87679374
NOX5:CCDS53954.1	-1.419153943	1.803280085	40.86636772
DTHD1:CCDS54754.1	-2.114817611	0.977724489	40.864531

TAUvsControls

PRSS22:CCDS10481.1	-2.281518534	0.411482656	40.86337234
ROBO4:CCDS8455.1	-1.300327722	1.835928277	40.8622369
SERPINB10:CCDS11990.1	-2.36930736	0.49955911	40.83881538
TLR6:CCDS3446.1	-2.165616964	0.811516675	40.82625988
DCAF12L1:CCDS14610.1	-2.214901483	-0.021890489	40.81166405
NOX5:CCDS53953.1	-1.415056934	1.777124858	40.79739966
HRG:CCDS3280.1	-2.152045225	0.579705217	40.76294001
C9:CCDS3929.1	-2.094043237	0.723116351	40.74881452
SLC22A1:CCDS5274.1	-1.597612639	0.927224885	40.73253192
C8A:CCDS606.1	-2.162636856	0.887120514	40.72173736
OXER1:CCDS1810.1	-2.168125553	0.325758912	40.7058004
SIX3:CCDS1821.1	-2.359478438	3.321247982	40.68704822
FCGR2B:CCDS30924.1	-2.180875054	0.461842705	40.68516469
MOG:CCDS4667.1	-1.812668225	0.810828689	40.63246256
AMICA1:CCDS8391.1	-2.16120062	0.579909964	40.63087758
KBTD12:CCDS33848.2	-1.77884144	0.931503856	40.5965029
ADTRP:CCDS47374.1	-2.279989082	0.114674263	40.58390795
MYOCD:CCDS54091.1	-1.852009317	1.771523742	40.58225394
CXorf36:CCDS48096.1	-2.174720307	0.523804864	40.56971475
HCAR3:CCDS53842.1	-2.264149458	-0.051169407	40.56451229
NRAP:CCDS7579.1	-1.514395479	2.690816814	40.5563373
TMC2:CCDS13029.2	-1.483401452	1.676113155	40.53905076
HAL:CCDS9058.1	-2.019497486	1.471748279	40.51050783
STRA8:CCDS5839.1	-2.215770931	0.044559222	40.50192141
MOG:CCDS34369.1	-1.793593975	0.792690748	40.49799221
DDX4:CCDS47208.1	-1.742894145	1.402826833	40.49609304
BPIFA1:CCDS13217.1	-2.351726048	-0.438599543	40.48459275
C1orf94:CCDS44108.1	-2.146050433	0.609255622	40.48247073
HORMAD1:CCDS967.1	-2.178694249	0.564012321	40.47734794
UGT2B28:CCDS56330.1	-2.193782878	0.138623518	40.44889809
CSF2RA:CCDS35191.1	-1.272135687	2.338161252	40.41897159
FRMD1:CCDS5306.1	-2.088683033	1.07851584	40.39341083
MCOLN2:CCDS30762.1	-2.057731518	0.986931565	40.38880912
SEMA3G:CCDS2856.1	-1.29505141	1.311336269	40.38845789
AKAP4:CCDS14330.1	-2.271970022	1.144471318	40.38845031
OR56A4:CCDS31404.1	-2.310795738	0.172457492	40.37172389
SLC2A2:CCDS3215.1	-2.314808306	0.904608507	40.29395112
SIGLEC11:CCDS12790.2	-1.502274858	1.492584873	40.26219405
CT47A3:CCDS35389.1	-2.220341059	0.061161682	40.26077028
IL18RAP:CCDS2061.1	-2.137336533	0.811886007	40.25959851
HPSE2:CCDS53567.1	-2.3018956	0.962410426	40.25565689
TLX1:CCDS7510.1	-1.887432989	0.774724165	40.23435586
ALPP:CCDS2490.1	-2.256169168	1.091490975	40.23098187
MSR1:CCDS5996.1	-2.297681349	0.441462437	40.22662677
NKX2-4:CCDS42855.1	-2.370346459	-0.210477618	40.2207424
SERPINA3:CCDS32150.1	-1.9077848	2.33612084	40.18830148
SLC22A1:CCDS5275.1	-1.594003792	0.800799036	40.18502913
ACTRT2:CCDS45.1	-2.293097957	-0.024381256	40.17642214
KBTD13:CCDS45281.1	-2.219866346	0.207844345	40.17536486
TNFRSF10A:CCDS6039.1	-1.669133631	1.01471371	40.15901998
NLRP1:CCDS32537.1	-1.246196409	2.138152487	40.15453904

TAUvsControls

UMODL1:CCDS42935.1	-1.384326907	2.341618864	40.14401714
SLC13A1:CCDS5786.1	-2.215878646	0.928047302	40.1425685
AFM:CCDS3557.1	-2.223686738	0.816688488	40.11372571
CT47A9:CCDS35383.1	-2.216131301	-0.003328747	40.10720805
KRT7:CCDS8822.1	-1.893560559	1.211889877	40.09029227
CSF2RA:CCDS55360.1	-1.254583149	2.351492491	40.07194641
VSIG8:CCDS30913.1	-1.695688347	0.715451689	40.03947239
C10orf67:CCDS44365.1	-2.641480625	1.730709093	40.03227389
ASPG:CCDS45170.2	-2.493606392	1.219616486	40.03086858
PARP15:CCDS3016.1	-2.145893187	0.558923563	40.01415094
CYP4Z1:CCDS545.1	-2.137787439	0.64530909	39.96987684
LILRA2:CCDS46179.1	-2.100953629	1.051025315	39.96091904
CHIT1:CCDS1436.1	-2.385169304	1.13492467	39.95609094
MAG:CCDS12455.1	-2.115931488	1.092485434	39.93845066
CD209:CCDS45951.1	-2.213652445	0.860611722	39.9226539
RAC2:CCDS13945.1	-1.919540731	0.736281728	39.89990368
UMODL1:CCDS42936.1	-1.377804834	2.256124334	39.85886154
LHX2:CCDS6853.1	-2.463751416	5.375060941	39.85634092
ACTL9:CCDS12207.1	-2.20926973	-0.079055074	39.84540343
LRRRC14B:CCDS47184.1	-2.192672235	0.217011981	39.83810031
CD209:CCDS45949.1	-2.177551487	0.675281038	39.80446493
CASP5:CCDS44720.1	-2.25399993	1.362624767	39.79858946
GH2:CCDS11647.1	-2.281050656	-0.12146281	39.77085753
MS4A14:CCDS31569.1	-2.119341077	0.82648845	39.76809624
TPRG1:CCDS3292.1	-2.122734534	0.702361166	39.76228122
C10orf129:CCDS7440.2	-2.156144982	0.424703474	39.73528278
ETV7:CCDS56425.1	-2.266278025	0.710600889	39.73517699
LTB:CCDS4703.1	-2.316701165	-0.042616726	39.71932661
ENDOU:CCDS53785.1	-1.691803961	0.854176063	39.69228647
C10orf90:CCDS31310.1	-2.106059188	1.035340859	39.69164479
MEP1A:CCDS4918.1	-2.160028578	1.079384923	39.6530202
KRT82:CCDS8826.1	-2.155890375	0.770785954	39.65183872
SLC22A8:CCDS8042.1	-2.268462954	0.900486858	39.63999162
AMICA1:CCDS41723.1	-2.142458947	0.575481415	39.62293607
SELP:CCDS1282.1	-2.012413974	1.675987354	39.61439995
VWDE:CCDS47544.1	-2.229299652	2.084807856	39.61175544
SPDYC:CCDS31606.1	-2.379044153	0.216328283	39.60827492
VAX1:CCDS7597.1	-1.742865989	0.849247185	39.59381666
IKZF3:CCDS11350.1	-2.129213041	0.912677583	39.59303266
LY75:CCDS2211.1	-1.489516763	2.640995037	39.59076021
CPA3:CCDS3138.1	-2.15803236	0.325043865	39.57507056
KRT32:CCDS11393.1	-2.143846672	0.472019159	39.55596617
GH2:CCDS45758.1	-2.279196385	-0.186935302	39.54429321
KRT71:CCDS8831.1	-2.155048385	0.702210979	39.54358693
MS4A14:CCDS41652.1	-2.121732696	0.75837503	39.52475088
CASP5:CCDS8328.2	-2.251459121	1.344351351	39.51631927
ABCG8:CCDS1815.1	-2.239241246	1.02793912	39.49271895
NRAP:CCDS7578.1	-1.500162236	2.655949675	39.48217743
HHLA2:CCDS46883.1	-2.452221959	1.132992666	39.47913339
LPA:CCDS43523.1	-2.647275335	2.78924712	39.43399939
CYP2C18:CCDS7435.1	-1.776514192	0.598709226	39.42746605

TAUvsControls

REG1B:CCDS1963.1	-2.277889677	-0.149012084	39.40557805
SLC17A3:CCDS4566.2	-2.138894984	0.333794657	39.4038257
HPSE2:CCDS53568.1	-2.262073544	1.012451682	39.40151433
ART1:CCDS7744.1	-2.191355141	-0.153569321	39.38768315
CD5:CCDS8000.1	-2.090283424	0.641396109	39.35319513
C1orf173:CCDS30755.1	-1.602469414	2.060413294	39.31826694
TBX22:CCDS14445.1	-2.099064967	0.607143774	39.25342797
SH2D4A:CCDS6009.1	-1.850311579	1.281500312	39.25101006
TBX5:CCDS9174.1	-2.193995189	0.627960531	39.23072623
AMELY:CCDS14778.1	-2.30534245	-0.534606411	39.2148833
VSIG4:CCDS48132.1	-2.214847413	0.117905159	39.20711315
SLC52A3:CCDS13007.1	-2.174732769	0.267765283	39.15448597
TLR5:CCDS31033.1	-1.747800757	0.823315965	39.14916005
MIA2:CCDS9672.1	-2.168825709	0.860324453	39.14668107
CYP11B1:CCDS6392.1	-2.13584476	0.75625084	39.07929209
MOG:CCDS34366.1	-1.75777692	0.766600519	39.05733819
SLAMF1:CCDS1207.1	-2.131680559	0.752866139	38.99510751
MAGEB1:CCDS14222.1	-2.273158588	0.058301183	38.98712581
VSTM1:CCDS12872.1	-2.253364578	0.359513657	38.98027807
PNLIP:CCDS7594.1	-2.117686291	0.537844643	38.95911847
SGCZ:CCDS5992.2	-2.186694109	0.278829692	38.95008549
KLK8:CCDS42600.1	-1.941790416	0.882379523	38.9490761
DSG3:CCDS11898.1	-2.263603995	1.643657009	38.90930884
C1orf65:CCDS1537.1	-2.101893525	0.459249262	38.90316032
SOX30:CCDS4340.1	-2.142515109	0.362634784	38.89440851
OR2T6:CCDS31114.1	-2.303570898	-0.328132554	38.88372818
PRAMEF5:CCDS30596.1	-1.668048236	0.150122218	38.8832872
CCDC105:CCDS12322.1	-2.224613969	0.557031087	38.84833514
CASR:CCDS3010.1	-1.511680968	1.53437509	38.82999853
PDZD3:CCDS53719.1	-2.113155697	0.830601756	38.81108427
C9orf152:CCDS35102.2	-2.368700638	-0.612440412	38.80360552
DNMT3L:CCDS46650.1	-2.148532344	0.976092888	38.80332381
KLF14:CCDS5825.1	-2.642124772	0.181665018	38.79172321
SELL:CCDS53427.1	-2.14964886	0.767949735	38.7839094
OXGR1:CCDS9482.1	-2.351403337	-0.506219968	38.75188305
KPRP:CCDS30862.1	-2.196643522	0.174803864	38.7440599
HOXC12:CCDS8866.1	-2.309737842	-0.585910221	38.73611183
CLCA2:CCDS708.1	-2.095696828	1.262830435	38.70537846
PTPN22:CCDS863.1	-2.167381478	1.652843845	38.68658584
HTR4:CCDS4291.1	-2.169962269	0.581109291	38.66311689
DMRTB1:CCDS581.1	-2.168554263	0.134398938	38.64924576
TFDP3:CCDS14636.2	-2.124958731	0.347921514	38.62041928
TRIM42:CCDS3113.1	-2.141855707	0.943159886	38.60361902
MYPN:CCDS7275.1	-2.598684644	2.221144762	38.60154069
SIGLEC11:CCDS46150.1	-1.554159965	1.38583753	38.58873235
CYP2J2:CCDS613.1	-2.128578955	0.813539277	38.5791776
DNMT3L:CCDS13705.1	-2.131962865	1.017824973	38.55802421
CHIA:CCDS41368.1	-2.091445349	1.118829906	38.54727393
C2orf57:CCDS2487.1	-1.852430551	0.018225985	38.52926843
RUNX3:CCDS257.1	-2.2055028	0.361636233	38.52785885
WT1:CCDS44561.1	-1.6125427	1.576045002	38.49493825

TAUvsControls

BPIFB3:CCDS13212.1	-2.121168267	0.698496496	38.48524355
KRT37:CCDS32653.1	-2.134789566	0.637667469	38.48278644
RPTN:CCDS41397.1	-1.765227999	1.006509996	38.43871775
KRT81:CCDS31805.1	-1.880522664	1.65958795	38.43501921
PGLYRP2:CCDS12330.2	-2.105824054	0.299541737	38.42961075
CASR:CCDS54632.1	-1.509701435	1.561777449	38.41639105
FRMD1:CCDS47518.1	-2.05723326	0.998171896	38.3872512
CYP4A11:CCDS543.1	-2.140577274	1.252676346	38.37224036
OR5AK2:CCDS31538.1	-2.906843432	0.22737509	38.36701185
LINGO4:CCDS30855.1	-2.106178721	0.320067004	38.36097597
ABCA12:CCDS33372.1	-1.216297587	3.091614928	38.35254242
ZP2:CCDS10596.1	-2.1973941	1.730113178	38.34230108
KRT20:CCDS11379.1	-2.141139884	0.402507781	38.32492151
SEMG1:CCDS13345.1	-2.212658301	0.328274572	38.30481163
POTED:CCDS13562.1	-2.12989528	0.682567301	38.3035973
MOGAT3:CCDS5714.1	-2.144593584	0.17166337	38.2910338
GBP4:CCDS721.1	-2.061380149	0.752311143	38.28142064
ANO3:CCDS31447.1	-1.464586962	1.698618137	38.26716968
HMGCS2:CCDS905.1	-1.747712287	1.26076614	38.24407001
OR4N5:CCDS32031.1	-2.227357517	-0.37014749	38.2290421
NPSR1:CCDS5443.1	-2.067555513	1.144719763	38.20918007
FSCB:CCDS9679.1	-2.12158074	0.551935145	38.20127023
HNF4A:CCDS13330.1	-2.130484509	0.976167004	38.19608717
RBM44:CCDS46554.1	-1.641854241	1.374706812	38.15445119
C14orf39:CCDS9746.1	-2.093335845	0.944432154	38.12426424
TLR2:CCDS3784.1	-2.050578764	0.862439728	38.10583432
GDPD4:CCDS8249.1	-2.129261982	0.968533576	38.09645733
NPFFR2:CCDS3551.1	-2.181714975	0.602885279	38.09112775
VRTN:CCDS9830.1	-2.122216975	0.745500561	38.04909974
CCT8L2:CCDS13738.1	-2.144326059	0.313410583	38.03770413
CYP11B2:CCDS6393.1	-2.070290594	0.59462525	38.02019125
HFE2:CCDS910.1	-2.43704157	0.76629725	38.0137729
IRAK3:CCDS8975.1	-2.147138089	0.949554079	37.99635755
CCL2:CCDS11277.1	-1.792076335	3.275386209	37.99256737
GPR149:CCDS43162.1	-2.236828991	0.764906795	37.98236258
ADH7:CCDS54781.1	-2.19098895	0.344045798	37.97783024
CLEC17A:CCDS46002.2	-2.084456261	0.600728799	37.96216932
KRT13:CCDS11396.1	-2.077916741	0.959238951	37.96105754
MOG:CCDS47394.1	-1.753888511	0.685550586	37.94904817
PDZD3:CCDS8417.1	-2.10783096	0.780547247	37.93531799
NLRP10:CCDS7784.1	-2.079732589	0.470258713	37.93223022
FCGR2B:CCDS30925.1	-2.152957546	0.363833034	37.93132304
DSC1:CCDS11895.1	-1.361646603	1.470780785	37.9268257
DNASE1L3:CCDS2886.1	-2.165927746	0.223963787	37.89725455
MAGEC3:CCDS14676.1	-2.069724991	0.927724166	37.845053
KLK13:CCDS12822.1	-2.205496273	-0.097211799	37.83243845
KRT78:CCDS8840.1	-2.149402521	0.794998303	37.82657459
PRLHR:CCDS7606.1	-2.203636097	0.135866753	37.82657349
HCAR2:CCDS9235.1	-2.223129084	-0.227618626	37.81235667
C8orf47:CCDS55266.1	-2.378060479	-0.636486932	37.79507107
ACOT11:CCDS592.1	-1.248505087	1.798383599	37.75708226

TAUvsControls

NLRP1:CCDS42246.1	-1.234380609	2.297155596	37.73177988
UGT2B4:CCDS43234.1	-2.127546961	0.544336074	37.72686555
CRYBB2:CCDS13831.1	-3.309418017	5.658999228	37.72213653
MYOCD:CCDS11163.1	-1.848486647	1.657885987	37.70742589
PAPPA2:CCDS41439.1	-1.476660625	2.03991266	37.70567781
CD96:CCDS2959.1	-2.153948285	1.033528343	37.70425047
TERT:CCDS3861.2	-1.591102393	2.326893151	37.69907886
SLC6A4:CCDS11256.1	-2.155423671	1.06405397	37.6787664
ZBP1:CCDS54477.1	-2.157422043	0.64254524	37.66327014
ANXA8:CCDS31194.1	-2.290429365	2.145981702	37.66085229
BEND2:CCDS55375.1	-2.073776644	0.967498288	37.62897768
HNF4A:CCDS46605.1	-2.117063922	0.931727158	37.61307285
TBXAS1:CCDS5856.1	-1.600997841	0.842378379	37.57763599
BMP10:CCDS1890.1	-2.274598392	0.501506098	37.56494214
LAD1:CCDS1410.1	-1.756016017	0.923651435	37.5461069
VAV1:CCDS12174.1	-1.461828645	1.755927271	37.51045329
ETV7:CCDS56423.1	-2.134372735	0.483617143	37.50471845
OAS1:CCDS31905.1	-2.216791092	0.869982829	37.49403918
CXorf30:CCDS55396.1	-1.674381114	0.947966578	37.46900083
C5orf60:CCDS47353.1	-2.205820794	-0.149892244	37.44649933
FMO1:CCDS1294.1	-2.593185758	1.617184981	37.43072208
DLX3:CCDS11556.1	-2.215713985	0.091895965	37.36849135
H1FNT:CCDS8762.1	-2.262299757	-0.283799186	37.30827034
TAGAP:CCDS5262.1	-2.062463261	0.590490283	37.30649971
HCRTR1:CCDS344.1	-1.796511027	0.778722013	37.29764271
PLD4:CCDS9995.2	-2.197491439	0.775333775	37.28599855
CLRN2:CCDS47032.1	-2.201271666	0.113667433	37.28016855
MMP21:CCDS7647.1	-2.068495254	0.566065938	37.27119227
PRLR:CCDS56359.1	-2.327373258	0.399938239	37.25427588
PSG5:CCDS12617.1	-2.354375805	0.293571058	37.24428672
TMPRSS2:CCDS54486.1	-2.088547616	1.169451488	37.24237759
TCP10L2:CCDS47514.1	-2.202878702	0.204183397	37.24136526
ADH7:CCDS34034.1	-2.151455012	0.275328753	37.2270167
FCER2:CCDS12184.1	-2.116778592	0.349937131	37.21043785
KCNA10:CCDS826.1	-2.065266176	0.288876946	37.14648089
C2orf78:CCDS46338.1	-2.138349868	1.083528825	37.14529688
PARVG:CCDS14057.1	-1.675222316	0.696678074	37.13998924
KCNA5:CCDS8536.1	-1.444137236	1.349853074	37.13927997
DAPL1:CCDS33307.1	-2.702739676	3.601008895	37.13109242
SLC22A14:CCDS2677.1	-2.066063127	0.906404219	37.12720029
DSC1:CCDS11894.1	-1.387766338	1.494258608	37.11514919
USH1C:CCDS7825.1	-1.766644299	2.295433546	37.06499153
HTR4:CCDS34271.1	-2.157831166	0.399468046	37.06304983
NOD2:CCDS10746.1	-1.39564895	1.552697123	37.04131034
NXF5:CCDS14491.2	-2.159430428	0.483067421	37.03073163
TINAGL1:CCDS55586.1	-1.764916945	1.971863494	37.0302877
KRT6C:CCDS8829.1	-1.74910441	0.968716645	37.00952637
TAF7L:CCDS35347.1	-1.70882899	0.872326036	37.00533915
BTK:CCDS14482.1	-1.577025868	1.180720407	36.96591148
FCRL1:CCDS53382.1	-2.121264721	0.55179817	36.95784136
FCGR2B:CCDS53414.1	-2.110433317	0.313722196	36.94438998

TAUvsControls

SLCO2B1:CCDS53679.1	-2.029205574	1.078604434	36.91674467
SPINK5:CCDS43382.1	-1.097615271	2.323624508	36.88457379
CYTH4:CCDS13946.1	-2.178510263	1.109445516	36.85287356
FAM83B:CCDS34479.1	-2.10070217	1.11703879	36.84858433
CXCR5:CCDS8402.1	-2.168259417	-0.090604707	36.8368812
TTC34:CCDS55565.1	-2.044605696	0.697329014	36.8314369
NLRP1:CCDS42245.1	-1.224232013	2.255954161	36.82919548
ITIH1:CCDS54594.1	-1.291131573	1.675271717	36.81102627
RBM1E:CCDS35481.1	-2.112751041	0.818857762	36.80767412
ACOT11:CCDS593.1	-1.227900976	1.854453837	36.79089079
KRT25:CCDS11373.1	-2.124035398	0.520170132	36.77321567
KIR3DL1:CCDS42621.1	-2.09270766	0.758819466	36.76314043
PCK1:CCDS13460.1	-1.557300593	1.076837837	36.74805156
TMPRSS11D:CCDS3518.1	-2.119358092	0.535067109	36.73829444
KRT9:CCDS32654.1	-2.110538406	1.023812534	36.72900509
CD96:CCDS2958.1	-2.131377276	0.976062579	36.72736163
UTY:CCDS14785.1	-1.660164054	2.958408498	36.72418131
TINAGL1:CCDS343.1	-1.772698102	2.139714103	36.72337781
PABPN1L:CCDS45547.2	-1.766104718	0.256866099	36.70344629
CSHL1:CCDS45759.1	-2.32668228	-0.363543064	36.69000026
MAG:CCDS12456.1	-2.07540736	1.016692919	36.68317532
ETV7:CCDS56424.1	-2.183593424	0.619596474	36.65353466
OTOP2:CCDS11708.1	-1.760767732	0.710166787	36.64844886
CASP1:CCDS8330.1	-2.307039628	1.578513149	36.63852968
CD244:CCDS53399.1	-2.165962699	0.582772242	36.63811409
CYP4F12:CCDS42517.1	-2.044029009	0.710734524	36.6314895
CD209:CCDS45952.1	-2.066993181	0.62872266	36.62952591
ACTL7A:CCDS6772.1	-1.749366809	0.252892391	36.60057512
MAG:CCDS56090.1	-2.08706717	0.968566509	36.55995206
UNC93A:CCDS5300.1	-2.062192137	0.573645923	36.5364013
C12orf50:CCDS9031.1	-2.128480509	0.697245901	36.52428829
MOG:CCDS34367.1	-1.715693394	0.657310787	36.52170525
SAG:CCDS46545.1	-2.092646863	0.939953446	36.49376417
MOG:CCDS47395.2	-1.785699316	0.480684155	36.49116101
GRAPL:CCDS45627.1	5.552688599	7.043386177	36.47734069
CD8B:CCDS1994.1	-2.247700698	-0.141380334	36.44526611
ALAS2:CCDS43960.1	-1.504995518	1.140705187	36.39378819
C3AR1:CCDS8588.1	-2.134852578	0.286815241	36.37999035
GFRA4:CCDS13056.1	-2.258209542	-0.135516335	36.37748917
PTPN22:CCDS864.2	-2.110728833	1.528457248	36.37021342
SLA2:CCDS13282.1	-2.113464867	0.257044977	36.36819594
KRT36:CCDS11395.1	-2.042597565	0.588026514	36.36155826
ERAP2:CCDS4086.1	-1.519439542	1.770054476	36.34435035
DRD5:CCDS3405.1	-2.195407761	0.309958527	36.32592462
CLEC12A:CCDS55803.1	-2.126012649	0.038949644	36.31321941
KRT28:CCDS11376.1	-2.116639374	0.342139047	36.29371903
KRT80:CCDS8821.2	-1.766279063	1.054554869	36.24563298
OAS3:CCDS44981.1	-1.71061828	2.162246521	36.23608404
LILRA2:CCDS12900.1	-2.041840483	0.875355513	36.23384693
DNTT:CCDS7447.1	-1.510958513	0.754402694	36.22427346
CYP11B1:CCDS34953.1	-2.104792517	0.589229651	36.22325303

TAUvsControls

GFI1B:CCDS48049.1	-2.163546651	-0.211886055	36.21975493
GHRHR:CCDS5432.1	-2.044461787	1.024365599	36.21009898
AGBL3:CCDS47718.1	-1.260092189	1.581566724	36.20791949
MICALCL:CCDS41620.1	-1.37891874	1.207399748	36.18327625
OR5B21:CCDS31552.1	-2.218362186	-0.32622952	36.18139098
DNTT:CCDS44465.1	-1.51022592	0.753687133	36.17758894
KRT79:CCDS8839.1	-2.004635179	0.715814338	36.17393585
HELT:CCDS34113.1	-2.130823844	0.30416157	36.16018864
PLCZ1:CCDS8680.1	-2.064186162	1.274200144	36.15705937
CHI3L1:CCDS1435.1	-1.543018423	1.187396642	36.11748776
DRD3:CCDS2978.1	-2.548978063	0.312483567	36.10491662
TMPRSS11A:CCDS3519.1	-2.065591983	0.4697715	36.09789304
TAF7L:CCDS55466.1	-1.688385095	0.663629277	36.05181121
SLC28A1:CCDS10334.1	-1.555510724	1.307773121	36.05039357
BLK:CCDS5982.1	-2.040192438	0.800777507	36.04038874
SIM1:CCDS5045.1	-1.601865923	1.117803635	36.03558337
CCDC83:CCDS8271.1	-2.094759728	0.753119264	35.98548574
HTR4:CCDS34270.1	-2.131208569	0.420029986	35.98430698
TPH1:CCDS7829.1	-2.321043633	1.267851168	35.96381641
CYP2C18:CCDS44460.1	-1.736230235	0.419356549	35.96252436
SULT2A1:CCDS12707.1	-2.161688782	0.361010534	35.9603568
TM4SF1:CCDS3143.1	-2.403484342	2.116729937	35.94998959
F7:CCDS9528.1	-2.238419302	1.144964035	35.92819761
NMS:CCDS33259.1	-2.527886914	-0.546989397	35.91135743
CLEC14A:CCDS9667.1	-2.070998867	0.172404161	35.86629605
KRTAP16-1:CCDS56032.1	-2.02315064	0.395017833	35.85807518
RBM1B:CCDS35479.1	-2.076519247	0.797041999	35.85755516
MEOX1:CCDS11467.1	-1.722860778	0.233467654	35.85325411
PADI2:CCDS177.1	-1.493829038	2.349827444	35.8527055
TMPRSS11A:CCDS47065.1	-2.056939832	0.442965987	35.83775276
UTY:CCDS14783.1	-1.978291907	3.287317162	35.83109693
KRT72:CCDS8833.1	-2.029501755	1.048610571	35.82781142
SLC22A3:CCDS5277.1	-1.737638471	1.05600237	35.82314133
CD244:CCDS1210.1	-2.149655637	0.572834609	35.78251253
BTNL8:CCDS4459.1	-2.079332193	0.534401238	35.77068993
F13B:CCDS1388.1	-2.066151202	0.925582708	35.762277
DRD3:CCDS33829.1	-2.520248911	0.276797397	35.73095203
PADI1:CCDS178.1	-1.425912264	1.162722348	35.71013054
HTR4:CCDS34273.2	-2.138130924	0.376474219	35.68902344
GUCY2C:CCDS8664.1	-2.206902601	2.134795761	35.68642966
TBR1:CCDS33310.1	-2.192150871	4.383613496	35.68532793
LY9:CCDS30916.1	-1.997259156	1.040769293	35.67219478
SAMSN1:CCDS42906.1	-2.214987358	0.814602097	35.66391229
NLGN4Y:CCDS55553.1	-1.708192614	0.96228221	35.66297304
SDR16C5:CCDS6167.1	-2.204173733	0.01233301	35.66223643
HLA-DRB5:CCDS4751.1	-2.150857426	0.030500355	35.66124827
NOX3:CCDS5250.1	-2.074933345	0.584223524	35.65045397
KLK6:CCDS12811.1	-2.317612892	0.381224386	35.64750786
CLEC12A:CCDS8608.1	-2.126822505	-0.07157995	35.62303491
TCP10:CCDS43527.1	-2.126815803	0.210692482	35.6180472
SPATA16:CCDS3221.1	-2.054450306	0.743988842	35.61496018

TAUvsControls

GPR87:CCDS3157.1	-2.259735181	0.037877042	35.61210519
ABCG5:CCDS1814.1	-2.062283786	1.175764711	35.60290276
SLC12A8:CCDS43143.1	-1.524930326	2.602052267	35.60174074
KRT13:CCDS11397.1	-2.043286585	0.789271219	35.57612573
OR56A3:CCDS41614.1	-2.259001688	-0.479754907	35.52900191
PTGER3:CCDS655.1	-1.406606326	1.217208829	35.52629648
PRSS42:CCDS46816.1	-2.160064135	-0.125504283	35.52149852
WNT10A:CCDS2426.1	-2.062315741	0.450117374	35.51560727
ADAM29:CCDS3823.1	-2.11113545	0.843793977	35.51333348
SUSD3:CCDS6701.1	-2.428675721	0.119694952	35.50629822
GSDMC:CCDS6360.1	-2.077509511	0.694467083	35.44819
MFAP5:CCDS8595.1	-2.882533887	2.554368709	35.43897739
ACE2:CCDS14169.1	-1.25000066	1.259425953	35.42388884
CYP2C8:CCDS7438.1	-1.701121313	0.640948645	35.40506394
BEST2:CCDS42506.1	-1.535787509	0.770309769	35.37802288
FCAMR:CCDS41460.1	-2.095291363	0.346148499	35.37684381
GALNTL5:CCDS5929.1	-2.122408915	0.3068698	35.3554762
PNLIPRP3:CCDS31292.1	-2.101340358	0.482920409	35.35180447
CEBPE:CCDS9589.1	-2.24022163	-0.651665933	35.34380863
METTL11B:CCDS44275.1	-2.177911183	-0.241927785	35.33529064
HSD17B3:CCDS6716.1	-2.071086039	0.363732614	35.33146791
SCIN:CCDS47546.1	-2.552600583	1.005075113	35.32722778
HLA-DRB1:CCDS47409.1	-1.801668418	0.571370901	35.31533494
PNPLA7:CCDS7045.1	-1.129024501	2.660533539	35.30118147
CYP4F22:CCDS12331.1	-1.481882657	0.552623988	35.28586124
CTAGE4:CCDS55176.1	-1.692449179	0.550203056	35.2646161
CLDN16:CCDS3296.1	-2.222112465	-0.082225995	35.24996078
MMP1:CCDS8322.1	-3.017796951	2.102394494	35.23871002
FAM3B:CCDS13671.1	-2.247934369	0.10646984	35.23527999
ENDOU:CCDS8754.1	-1.621892317	0.647332624	35.22460919
CDA:CCDS210.1	-2.378530248	-0.34890537	35.21962652
ADAM30:CCDS907.1	-2.061741406	0.613169787	35.21593891
SERPIN2:CCDS11989.1	-2.392732768	0.776768802	35.19802759
DAZ3:CCDS35489.1	-2.16826282	0.439484968	35.18000363
HNF4A:CCDS42876.1	-2.072151547	0.868853816	35.15219536
WT1:CCDS44562.1	-1.646289088	1.667439806	35.14551102
KRT6B:CCDS8828.1	-1.685283945	1.031327134	35.1349291
MAGEA12:CCDS14710.1	-2.107184857	-0.044041575	35.11263224
BTNL8:CCDS54957.1	-2.050204768	0.474188213	35.1045201
OR6C75:CCDS31820.1	-2.242589317	-0.553086531	35.1030983
BTNL8:CCDS54958.1	-2.064179639	0.418751816	35.0921117
SLC25A45:CCDS41670.1	-1.860862181	0.441472972	35.0791308
DMRT1:CCDS6442.1	-2.056056418	0.365674935	35.07874311
CPM:CCDS8987.1	-2.065118539	0.857613645	35.04061444
SPINK5:CCDS47300.1	-1.049420069	2.377135463	35.03753315
LRRRC66:CCDS43229.1	-1.312898105	1.140612004	35.02024128
OR5D14:CCDS31508.1	-2.167834575	-0.452274886	35.01081892
WT1:CCDS7878.2	-1.642254515	1.678392376	35.00872212
NBPF6:CCDS44184.1	-1.598032327	1.184537035	35.00674739
PRRG4:CCDS7881.1	-2.114272109	-0.309196054	34.98713303
F7:CCDS9529.1	-2.21596345	1.030642172	34.97030944

TAUvsControls

BPIFA3:CCDS42865.1	-2.231392355	-0.256954067	34.96080932
CSF2RB:CCDS13936.1	-1.435670414	1.680671541	34.94833042
HPSE2:CCDS53566.1	-2.196020567	0.803885408	34.92797192
NLRP1:CCDS42244.1	-1.203186579	2.26442781	34.91283459
IL7R:CCDS3911.1	-2.192202558	0.589650843	34.9055135
DENND2D:CCDS831.1	-2.18269868	1.053954004	34.89960747
MOG:CCDS54977.1	-1.724470579	0.425714305	34.89861585
CNTD2:CCDS12551.2	-2.296737275	0.342666228	34.89838946
SYCE1:CCDS44501.1	-2.620232352	0.975906188	34.89539824
AKR1D1:CCDS5846.1	-2.130679561	0.313366624	34.89340143
FAM151A:CCDS594.1	-1.529934292	1.138052996	34.88216952
SLC22A16:CCDS5084.1	-2.16155796	0.574886458	34.85631355
CLEC10A:CCDS11087.1	-2.022991841	0.477600145	34.85358165
OAS1:CCDS44980.1	-2.136233257	0.704964509	34.84430904
LIPF:CCDS55718.1	-2.082885197	0.397814787	34.79346888
TNS4:CCDS11368.1	-2.097338376	1.136680618	34.77240982
ZFY:CCDS48200.1	-1.571260414	1.343496139	34.77218733
WDR72:CCDS10151.1	-1.758997761	1.779693526	34.77166536
CASP1:CCDS8329.1	-2.21850806	1.399283784	34.71123286
OR2AT4:CCDS31639.1	-2.216511097	-0.24067992	34.70940328
SLCO4A1:CCDS13501.1	-1.346380225	2.393717357	34.69257256
OAS1:CCDS41838.1	-2.226608015	0.900991842	34.68897631
RBMY1A1:CCDS14796.1	-2.111881965	0.682514704	34.65440502
DAZL:CCDS54556.1	-2.148917676	0.332224764	34.65153292
XG:CCDS48073.1	-2.213825701	0.104517868	34.65012673
ODF4:CCDS11140.1	-2.08823185	0.270758629	34.6415467
DCAF8L1:CCDS35222.1	-2.007264082	0.450358827	34.61994951
TAS2R40:CCDS43662.1	-2.219308302	-0.490773908	34.59550421
VDR:CCDS55820.1	-1.468388111	1.43093782	34.59417371
FSIP2:CCDS54426.1	-1.059276282	3.983937854	34.58829772
KNG1:CCDS43183.1	-1.946244391	1.144302726	34.58800202
LRRD1:CCDS55124.1	-1.702288305	1.087215171	34.57803271
NPFFR2:CCDS47072.1	-2.144237416	0.408223747	34.57723289
HNF4A:CCDS13331.1	-2.043012816	0.729608752	34.57688212
CLCA1:CCDS709.1	-2.07858159	1.501609658	34.55231774
HK3:CCDS4407.1	-1.220298158	1.469924881	34.53905242
GPR78:CCDS3403.1	-2.101255122	-0.060144557	34.52899995
MB21D1:CCDS4978.1	-2.063269653	0.259840213	34.50494651
HNF4A:CCDS46604.1	-2.055985951	0.820927351	34.49039489
C14orf105:CCDS9730.1	-2.102616712	0.204800403	34.48382959
PTH2R:CCDS2383.1	-2.032605156	0.885818944	34.48046465
MARCH10:CCDS11635.1	-1.345219694	1.677852771	34.47275298
KLK2:CCDS12808.1	-2.186147698	0.175851245	34.45807463
KRT24:CCDS11372.1	-2.007137004	0.823072358	34.43304868
CYLC2:CCDS35085.1	-2.08320018	0.008485011	34.40937011
DCT:CCDS45060.1	-1.583890794	2.70708241	34.40269302
CYLC1:CCDS35341.1	-2.057911787	0.659438418	34.38292674
FOXI1:CCDS4372.1	-2.064201549	0.024572536	34.37799442
FAM180A:CCDS5841.1	-2.268615702	-0.694786575	34.36904097
C10orf71:CCDS44387.1	-2.377663095	1.771987311	34.36505806
KLK2:CCDS42597.1	-2.202803672	0.094261138	34.35440673

TAUvsControls

PKD4:CCDS5643.1	-2.188114394	0.475589817	34.3492442
ABCA13:CCDS47584.1	-1.149219022	3.740595364	34.34364482
ABCA12:CCDS33373.1	-1.151422824	2.938164993	34.34251672
TERT:CCDS54831.1	-1.545755968	2.272492533	34.33674137
TNFRSF9:CCDS92.1	-2.072232998	0.646032097	34.32930291
POU2F3:CCDS8431.1	-2.176893113	0.852998701	34.30873693
FMO3:CCDS1292.1	-2.065385364	0.789477441	34.30257631
PRAMEF1:CCDS148.1	-2.120823385	0.299074738	34.29218732
TMPRSS2:CCDS33564.1	-2.016023259	1.058518253	34.28291916
MOGAT1:CCDS46524.1	-2.104150511	-0.183237172	34.25979068
PSG1:CCDS12612.1	-2.21928614	0.505387807	34.24934823
KRT72:CCDS53795.1	-2.029251543	0.84612452	34.24860815
SYCE1:CCDS44500.1	-2.620295099	0.921775442	34.24747836
EPN3:CCDS11570.1	-1.523989275	1.352418724	34.24669996
NCF4:CCDS13934.1	-2.054830817	0.660400545	34.24619617
GNA15:CCDS12104.1	-1.584079275	0.313307777	34.23353021
MYOC:CCDS1297.1	-2.005126212	0.432239416	34.23071755
CD5L:CCDS1171.1	-2.076745108	0.063269278	34.22636184
TM4SF19:CCDS3316.1	-1.845330389	0.436142406	34.21769787
MAGEC3:CCDS14677.1	-2.088849498	0.066268356	34.21198058
CDH5:CCDS10804.1	-2.167776223	1.379735581	34.18913837
PTPN20B:CCDS41515.1	-2.000966169	0.622505247	34.12063984
PAPL:CCDS33018.1	-2.195454433	0.4962953	34.1102619
GPR141:CCDS5451.1	-2.129775795	0.618844547	34.10534019
EFCAB4B:CCDS8522.1	-2.029284867	0.648407984	34.10212603
LOXHD1:CCDS45861.1	-1.627883884	2.101303951	34.10168801
DAZL:CCDS43059.1	-2.128974836	0.18268606	34.0844041
MAGEA1:CCDS14720.1	-2.162051288	-0.270033381	34.08074056
UTY:CCDS14784.1	-1.922632351	3.152650987	34.07714703
SUN5:CCDS13209.1	-2.044089674	0.45838805	34.07487588
CLEC12B:CCDS44830.1	-2.183378186	-0.142519503	34.06652462
HOXB13:CCDS11536.1	-2.316582746	-0.349399342	34.05854482
GPR101:CCDS14662.1	-2.157079925	0.59909022	34.05473691
CYP3A43:CCDS5675.1	-2.036318195	1.462262119	34.05073403
LRRRC38:CCDS53269.1	-2.185859091	-0.325041798	34.04019274
UPK3B:CCDS5589.1	-1.450108548	2.052186909	34.0370641
TLX2:CCDS1947.1	-2.189280635	-0.42371304	34.02135446
CYP3A43:CCDS5676.1	-2.035519852	1.461444812	34.01605095
CD1C:CCDS1175.1	-2.060900957	0.157962815	34.00614692
BSPRY:CCDS43868.1	-1.60708056	0.486580196	33.99477829
GSG1:CCDS44836.1	-1.212262065	1.843441417	33.99269102
PTPN20B:CCDS41513.1	-1.959962533	1.234924576	33.94785454
CD1E:CCDS41417.1	-2.139672743	1.024402642	33.94253545
SIRPB2:CCDS42849.1	-2.082065964	0.381084378	33.92271368
UNC93A:CCDS47515.1	-2.016026247	0.382561077	33.91599341
FOXI1:CCDS47337.1	-2.111030591	-0.448100736	33.8353665
GIF:CCDS7977.1	-2.040618008	0.548702063	33.83236287
PNPLA7:CCDS48070.1	-1.110143094	2.688128502	33.83177771
TAC4:CCDS42357.1	-2.216470117	0.114750336	33.82126792
ALAS2:CCDS14366.1	-1.471104902	1.179554761	33.80578952
HHEX:CCDS7423.1	-2.296953119	-0.295228705	33.80575084

TAUvsControls

C16orf54:CCDS10652.1	-2.277228295	-0.615340007	33.79533941
KLK8:CCDS12813.1	-1.907998962	0.796435328	33.78033894
KRT38:CCDS11392.1	-2.036554989	0.399924264	33.77097288
GPR114:CCDS10785.1	-2.110834834	0.949294221	33.74811835
SLA2:CCDS13283.1	-2.090246405	0.041836582	33.70914375
OBP2A:CCDS6992.1	-2.093350348	0.112056282	33.7087356
DLX4:CCDS11555.1	-2.295192089	-0.172684901	33.70686043
XG:CCDS14120.1	-2.210219432	-0.039686047	33.6908995
CASP5:CCDS44719.1	-2.154474085	1.125718594	33.67751595
GSTT2:CCDS13821.1	-3.045026901	1.02749213	33.67296504
THEG:CCDS12025.1	-1.533430894	0.503484269	33.65763307
CA1:CCDS6237.1	-1.994477395	0.302961522	33.64621165
CTAGE1:CCDS45837.1	-1.55934872	0.465373851	33.63557512
POU4F3:CCDS4281.1	-1.732749831	0.067896113	33.63014437
RAX:CCDS11972.1	-3.040004155	3.439769068	33.61651664
C6orf222:CCDS34439.1	-1.423043627	0.92825172	33.60507604
ITGBL1:CCDS9499.1	-2.435063423	1.604766838	33.58785494
HAO1:CCDS13100.1	-2.102656599	0.055797556	33.5689765
AQP6:CCDS31798.1	-2.311752954	-0.143632115	33.55927137
HTRA4:CCDS6110.1	-2.081576962	0.344873136	33.55023361
MYH1:CCDS11155.1	-3.049796826	3.337232229	33.54276318
BTN1A1:CCDS4614.1	-1.9805822	0.598911041	33.52751366
CHIA:CCDS832.1	-2.01924596	0.535578248	33.5208895
EFCAB5:CCDS11254.2	-1.259019292	2.557127111	33.51377643
CD1E:CCDS41418.1	-2.138880378	0.983254776	33.51111733
SPATS1:CCDS4911.1	-2.127914827	0.267440929	33.48933397
FFAR3:CCDS12459.1	-2.043797015	0.160824405	33.47655694
SLC46A2:CCDS6786.1	-2.054257605	0.278853408	33.47505271
SLC10A1:CCDS9797.1	-2.11451974	0.11407638	33.46801104
C1orf141:CCDS30745.1	-2.084629459	0.961292689	33.4454059
IGFL1:CCDS46123.1	-2.298153548	-0.68668852	33.43849044
ENDOU:CCDS53784.1	-1.573640768	0.431927786	33.419692
SYTL5:CCDS14244.1	-1.697430308	2.16704124	33.41576776
ALAS2:CCDS35303.1	-1.464463555	1.05978706	33.41089448
OTC:CCDS14247.1	-1.678827681	0.366072073	33.38963131
TGFA:CCDS46316.1	-2.662913974	0.518141533	33.37874062
FAM170A:CCDS43353.1	-2.16768759	0.433240424	33.36431609
HTR1A:CCDS34168.1	-2.304688409	0.126214205	33.35765929
OAS2:CCDS31906.1	-1.659014835	1.166295043	33.35632576
PTGER3:CCDS652.1	-1.379284772	1.061504461	33.35568884
RAD51AP2:CCDS42656.1	-1.575683152	1.328642755	33.34738731
SAMD7:CCDS3209.1	-1.973216111	0.503327232	33.34291771
C14orf166B:CCDS9853.2	-2.137503774	0.752701047	33.33046976
TFEC:CCDS5762.1	-2.055471832	0.198278508	33.3094608
TP63:CCDS46976.1	-2.271836654	1.205797635	33.2993425
CASP1:CCDS53704.1	-2.191428384	1.18966585	33.28860043
PSG1:CCDS54275.1	-2.19777633	0.507454007	33.28733377
LRGUK:CCDS5830.1	-1.264493017	1.449305683	33.276212
MEP1B:CCDS45846.1	-1.500741959	1.178618878	33.26493761
FCN2:CCDS6983.1	-2.014501031	0.110213408	33.25112769
TTLL2:CCDS5301.1	-1.662921651	0.532528411	33.23958638

TAUvsControls

FERMT1:CCDS13098.1	-2.059248303	1.303449695	33.22490881
SOX17:CCDS6159.1	-2.059357119	-0.151064399	33.22072693
FREM3:CCDS54808.1	-2.548627268	2.604526464	33.22041334
MYCBPAP:CCDS32680.2	-1.40446766	1.908488235	33.21791742
LRRK2:CCDS31774.1	-1.420840332	2.990743864	33.21700649
FMO5:CCDS44210.1	-2.152537472	-0.027302087	33.20817859
IL21:CCDS3727.1	-2.202850831	-0.439542804	33.18023009
ANKRD22:CCDS7390.1	-2.272653938	-0.505798644	33.17606018
CCDC169:CCDS55897.1	-2.253710566	4.048125124	33.17232701
SYCE1:CCDS7687.1	-2.574979091	0.777011558	33.16650355
MUC5B:CCDS44515.2	-1.309609878	4.255467199	33.15178098
CLEC12A:CCDS8609.1	-2.097699748	-0.269013697	33.15043048
NGF:CCDS882.1	-1.580582854	0.848471266	33.14798909
ACVR1C:CCDS2205.1	-2.108041053	0.67458094	33.14559357
APOL5:CCDS13920.1	-2.033396885	0.359973405	33.14092159
NCR1:CCDS12911.1	-2.344493341	0.481031583	33.13925531
CD3G:CCDS8395.1	-2.019819824	0.243532148	33.13642746
PTPN20B:CCDS41514.1	-1.938748429	1.273687177	33.13076322
CSH2:CCDS42369.1	-2.156874228	0.068075861	33.12195325
ACTL8:CCDS183.1	-2.202927115	0.069613518	33.11368048
TGFA:CCDS1905.1	-2.65344798	0.523185655	33.10394356
EGR4:CCDS1925.2	-2.014518919	0.696282816	33.09576957
F10:CCDS9530.1	-1.198130901	1.404207052	33.08120979
FAM71B:CCDS4335.1	-2.041977158	0.420402358	33.07761963
GPR152:CCDS8165.1	-1.988349957	0.539676176	33.06046987
GLP2R:CCDS11150.1	-2.069911454	1.01114538	33.04016458
TEX101:CCDS12619.1	-2.101961879	0.009216075	33.02492156
MARVELD2:CCDS34175.1	-1.30214178	1.077920007	33.01630431
MLNR:CCDS9414.1	-2.025484131	0.205702837	32.9971858
FAM83F:CCDS14000.2	-2.10009007	0.367315708	32.98293637
PLG:CCDS5279.1	-1.547904639	1.671210109	32.98185558
SLC45A2:CCDS3901.1	-1.61922553	0.836925733	32.96563075
LIPC:CCDS10166.1	-2.03708899	0.893089371	32.938589
C2orf40:CCDS2072.1	-2.616020064	0.460452115	32.92785072
COLEC11:CCDS1649.1	-1.221536834	0.915324619	32.92627656
SLC22A8:CCDS53644.1	-2.155223266	0.754393843	32.9257121
SLC38A11:CCDS56142.1	-2.25988691	0.495480073	32.90659013
KRT75:CCDS8827.1	-1.506167291	1.029266922	32.89115152
TBC1D8B:CCDS14523.1	-1.989651392	1.266857845	32.8758834
SYTL5:CCDS55399.1	-1.719916122	2.244143844	32.86489696
PRAMEF2:CCDS149.1	-2.188838304	0.195004254	32.8641128
OTOP3:CCDS11709.1	-2.051107569	0.585085868	32.85228061
SP100:CCDS2477.1	-1.187152724	3.109619034	32.84947067
GJA8:CCDS30834.1	-2.040890126	0.314504385	32.84348945
MYH2:CCDS11156.1	-3.27211817	3.562322641	32.84299479
RBP1:CCDS46925.1	-1.999481129	5.297735725	32.80382577
RBP1:CCDS46926.1	-1.969753653	5.307105503	32.79840802
MFSD6L:CCDS11146.1	-1.984480284	0.234997066	32.79199451
BTNL8:CCDS54956.1	-2.047199148	0.424795791	32.79197772
CTAGE9:CCDS47475.1	-1.651597949	0.535641521	32.77614508
CELA3B:CCDS219.1	-2.031718872	0.06241531	32.77331653

TAUvsControls

OPN4:CCDS31237.1	-2.150391827	1.353648255	32.77314149
CLEC10A:CCDS45597.1	-1.968558655	0.394567528	32.7611246
PIGR:CCDS1474.1	-2.272931922	1.275058842	32.75737879
CASP10:CCDS2340.1	-2.111939967	1.155457464	32.75460155
HTR5A:CCDS5936.1	-1.493491458	0.095249742	32.75412843
KIR2DL4:CCDS42620.1	-1.987053311	0.998436479	32.72595826
FRG2:CCDS34123.1	-2.094799908	-0.079095858	32.72267028
DDX3Y:CCDS14782.1	-2.096551015	2.827607515	32.71447308
AGXT2:CCDS3908.1	-1.992349092	0.644328291	32.70748986
NCR1:CCDS46181.1	-2.335539901	0.473956341	32.6829932
ENTHD1:CCDS13998.1	-1.999338641	0.487769523	32.68249172
GAGE12I:CCDS56601.1	-2.285961408	-0.032927498	32.65638963
SLCO1B3:CCDS8684.1	-1.95502747	1.131539452	32.63817239
HSPA2:CCDS9766.1	-2.211513714	2.263114662	32.63019572
IL2RB:CCDS13942.1	-1.494569952	0.769876681	32.62185091
SLCO1B1:CCDS8685.1	-2.01413201	0.872621976	32.61838136
CLRN1:CCDS35492.1	-2.328279348	0.14071672	32.56128389
LILRA3:CCDS12887.1	-2.012716112	0.417030005	32.55104743
CAGE1:CCDS54964.1	-1.388879589	1.406528079	32.54198642
SH2D4A:CCDS55206.1	-1.54766127	1.023734514	32.53796891
C1QL2:CCDS42737.1	-1.791264337	-0.54138156	32.53763057
CASP10:CCDS2338.1	-2.088036412	1.051183622	32.53707045
FCN3:CCDS300.1	-2.162360849	0.48327536	32.53706118
OR1D2:CCDS11019.1	-2.200285138	-0.468739697	32.52529441
IL22RA1:CCDS247.1	-1.534475731	0.671796824	32.52195192
IL37:CCDS2103.1	-2.084387537	0.423302916	32.51769631
FOXN1:CCDS11232.1	-1.433982995	0.937853456	32.5158762
PRAMEF6:CCDS30594.1	-1.516520853	0.231566307	32.50778697
LIPF:CCDS7389.1	-2.03692512	0.281754645	32.496329
HSF5:CCDS32690.1	-1.961057009	0.517298774	32.48806408
TFEC:CCDS34738.1	-2.049215748	0.085715054	32.46918727
MPPED2:CCDS7870.1	-1.265878086	3.923688794	32.45707158
C17orf77:CCDS32721.1	-2.058471483	-0.469246842	32.42372706
FAM153A:CCDS34305.1	-2.491683706	1.223933873	32.41799263
TAC4:CCDS45727.1	-2.192168731	0.092816531	32.41367946
ANKRD34C:CCDS53965.1	-2.063027568	0.505296945	32.40628985
KRT74:CCDS8832.1	-1.874347762	1.77453245	32.38601208
PTCRA:CCDS4874.1	-2.050150363	-0.176460165	32.37652907
OPN5:CCDS4923.1	-2.028484581	0.08086355	32.36956998
IRAK3:CCDS44937.1	-2.029163709	0.754347836	32.36791281
FAM217A:CCDS4489.1	-2.00711093	0.443229028	32.35493235
UPK3B:CCDS5588.1	-1.422104033	1.946847016	32.35392047
TP63:CCDS46977.1	-2.199703366	1.016863106	32.34538117
USP26:CCDS14635.1	-1.930164839	0.819275292	32.33596775
SOHLH1:CCDS48054.1	-2.009202535	0.366513927	32.33506679
IL1R2:CCDS2054.1	-1.961520239	0.461269381	32.32265939
NCF2:CCDS1356.1	-1.422169258	1.33116776	32.32191928
CD8B:CCDS54376.1	-2.136602461	-0.39628242	32.29771262
MOG:CCDS34368.1	-1.628872359	0.479629381	32.29668795
LOR:CCDS30870.1	-2.123057616	0.015333332	32.27106047
PON3:CCDS5639.1	-1.974889634	0.627813945	32.26160755

TAUvsControls

TRIM64B:CCDS53693.1	-1.966261896	0.519770362	32.24117871
CCDC169:CCDS45028.1	-2.227196855	4.046779454	32.23887059
OPN4:CCDS7376.1	-2.144792246	1.292392631	32.23715327
ZP4:CCDS1615.1	-2.203092216	1.267206213	32.21271633
RTP1:CCDS3287.2	-1.722380554	0.017914358	32.20933483
HTR3E:CCDS3251.1	-1.9762459	0.689859224	32.1979243
NPTN:CCDS10249.1	-1.0214528	6.085165712	32.17296853
OR11A1:CCDS34363.1	-2.152247738	-0.545007112	32.16602697
DCT:CCDS9470.1	-1.564932638	2.636289555	32.15491693
CD1E:CCDS41419.1	-2.13880802	0.859304263	32.14498651
KLK15:CCDS12805.1	-2.111914255	0.172015561	32.14168252
OAS2:CCDS41839.1	-1.620371271	1.083015531	32.14150994
CYP3A43:CCDS5677.1	-2.006345184	1.315523236	32.12885728
SH3TC2:CCDS4293.1	-1.602034936	2.300910172	32.12161573
ADAM21:CCDS9804.1	-1.484904799	0.943725905	32.11942031
UPP2:CCDS2207.1	-2.048214108	0.142145091	32.11101859
CD33:CCDS33084.1	-2.002694764	0.477721397	32.09703059
OR10A7:CCDS31815.1	-2.225288877	-0.555813058	32.08363963
SLC36A2:CCDS4315.1	-1.973226653	0.998725106	32.08093821
KCNA7:CCDS12755.1	-2.122191375	0.173604148	32.0790254
PTGER3:CCDS656.1	-1.37450657	1.000802625	32.07698179
NPTN:CCDS10250.1	-1.035057411	6.032930519	32.0437316
TNFAIP6:CCDS2193.1	-2.220672258	0.781987222	32.0433185
PLVAP:CCDS32952.1	-2.061995024	0.441103163	32.03538331
PROKR2:CCDS13089.1	-2.143332478	0.209554917	32.03379823
USP9Y:CCDS14781.1	-2.126534482	3.44511353	32.00135965
ALB:CCDS3555.1	-1.584679706	1.554799287	31.99037382
AADAC:CCDS33877.1	-1.951488727	0.677718414	31.98477388
DDX4:CCDS54855.1	-1.618071283	1.076686844	31.96989821
HNF1A:CCDS9209.1	-1.3240792	1.431405017	31.96541103
COLEC11:CCDS1650.1	-1.234456513	1.083963835	31.95557944
CTSS:CCDS55634.1	-1.800130909	0.603102101	31.95131154
HCRTR2:CCDS4956.1	-1.350354439	1.198410048	31.94752334
DNAJB8:CCDS3048.1	-2.158484662	-0.403257373	31.94208556
HTR1F:CCDS2920.1	-2.000139802	0.094383868	31.93255523
TXK:CCDS3480.1	-1.938256907	0.707801532	31.92928904
MYF5:CCDS9020.1	-2.215824489	-0.681566864	31.92447987
GPR151:CCDS34266.1	-1.70309431	-0.05586469	31.88964215
FAM3B:CCDS42930.1	-2.216468015	-0.141020147	31.88574383
CIB4:CCDS33160.1	-2.15090006	-0.153964921	31.88329963
MS4A7:CCDS7985.1	-2.056035839	0.120725833	31.87924214
C12orf40:CCDS41770.1	-1.904365843	1.005761088	31.86015958
BCAS1:CCDS13444.1	-1.645234502	1.842551518	31.81561108
GJB5:CCDS382.1	-2.12918627	-0.456468174	31.81549158
SLC34A1:CCDS4418.1	-1.419381497	1.196893373	31.81019825
NPFFR2:CCDS3552.1	-2.069997957	0.263786364	31.80576963
CD86:CCDS3009.1	-1.981895503	0.592994429	31.80561609
AKR1D1:CCDS55169.1	-2.060548624	0.155177296	31.80043597
CCR3:CCDS54574.1	-1.983115593	0.144243852	31.79629655
LIPF:CCDS55719.1	-2.029139674	0.199146869	31.78792241
OR2M5:CCDS31105.1	-2.082062692	-0.324776912	31.78749905

TAUvsControls

SPINK2:CCDS3508.1	-2.120725448	-0.509603182	31.78705345
TNFSF11:CCDS9385.1	-2.070289444	-0.265663606	31.77698842
KLK3:CCDS33083.1	-2.055971017	0.228993558	31.76484206
SLC6A14:CCDS14570.1	-1.943092985	0.692914237	31.7626542
TP63:CCDS46979.1	-2.242289411	1.040635195	31.75710495
GAGE12C:CCDS43943.1	-2.339991147	-0.204127665	31.73801747
MCTP2:CCDS32338.1	-1.580536724	1.672755256	31.73580375
KRT80:CCDS41784.1	-1.700825097	1.038437269	31.70907184
PSG3:CCDS12611.1	-2.167672644	0.490408333	31.70182449
PSG11:CCDS12614.2	-2.232338336	0.409201383	31.69224404
KLF17:CCDS508.1	-2.092430803	0.11094481	31.68827129
SERPINB12:CCDS11984.1	-2.047945024	0.424475344	31.67037783
C3orf80:CCDS54667.1	-1.53689494	-0.155803172	31.66557491
STAP1:CCDS3515.1	-2.054931942	0.009706673	31.66384575
MEPE:CCDS54776.1	-2.031707501	0.207909404	31.66043526
WISP3:CCDS5097.1	-2.118071157	0.271833778	31.64393958
KLK15:CCDS12806.1	-2.141992883	-0.331850237	31.63883899
WDR66:CCDS53840.1	-1.133183933	1.928240388	31.63769549
GDF6:CCDS34926.1	-1.598910277	0.940793878	31.63478587
CYTIP:CCDS2204.1	-2.2596825	0.699398557	31.62425364
ACTRT1:CCDS14611.1	-2.003064376	0.002710646	31.6176029
SPACA1:CCDS5014.1	-2.311305799	0.145922151	31.58769337
STAB1:CCDS33768.1	-1.299596093	3.050871608	31.58074576
WISP3:CCDS5098.1	-2.096083112	0.20608616	31.54393398
KLK3:CCDS12807.1	-2.049497483	0.084908972	31.53639533
F5:CCDS1281.1	-1.351695248	3.265608606	31.5231858
NFE2L3:CCDS5396.1	-1.054841584	1.802559074	31.52204955
OR5L1:CCDS31509.1	-2.159631095	-0.502270933	31.50271823
AADA3L3:CCDS41253.1	-2.086813627	-0.431197012	31.50009695
WT1:CCDS55750.1	-1.610529116	1.276260272	31.49309584
CDCP1:CCDS46812.1	-1.344883461	0.362667716	31.48311424
VSTM2B:CCDS46034.1	-1.394635834	1.419835339	31.47418423
PTGER3:CCDS44160.1	-1.337428798	0.839534202	31.4673871
LDLRAD1:CCDS30725.1	-2.188017486	0.092629658	31.46579791
CPO:CCDS2372.1	-2.089332056	0.280996147	31.43212592
SLA:CCDS47923.1	-2.328686605	2.76697899	31.42130766
UGT2B11:CCDS3527.1	-2.044342275	0.52355997	31.41826836
IYD:CCDS5227.1	-1.951162601	0.305119894	31.41792879
GATA4:CCDS5983.1	-2.011091727	0.595576443	31.41738781
MCTP2:CCDS53975.1	-1.559435329	1.575681457	31.405665
MAGEA11:CCDS48180.1	-1.977177831	0.294131278	31.39820186
EFCAB9:CCDS54946.1	-1.880170614	-0.31352189	31.39670408
CPN1:CCDS7486.1	-1.942353396	0.720027054	31.38739569
ISX:CCDS33640.1	-2.116311091	-0.216032066	31.38594235
C1orf87:CCDS614.1	-1.933630764	0.897147971	31.36375388
NANOG:CCDS31736.1	-2.032267474	-0.113188212	31.3538995
LY6G6F:CCDS34403.1	-2.088162598	0.000868808	31.33974609
SLA:CCDS47922.1	-2.317174526	2.853454892	31.33625072
PRAMEF20:CCDS41265.1	-2.020545049	0.067875046	31.33161622
CD300LD:CCDS42379.1	-2.146222034	-0.521324802	31.33023216
RCVRN:CCDS11151.1	-2.886643527	0.054245228	31.32712382

TAUvsControls

LOXL4:CCDS7473.1	-2.119291441	3.863641897	31.32098832
PTGER3:CCDS657.1	-1.358321098	1.021089195	31.30571794
DOK7:CCDS54717.1	-1.46032167	0.587269025	31.29423945
CD1E:CCDS53385.1	-2.109146179	0.79162244	31.27412979
RNASE9:CCDS53883.1	-2.085985145	0.052231571	31.26284293
CR1L:CCDS44310.1	-2.0205706	0.869959698	31.25837455
CASP1:CCDS8331.1	-2.168072446	0.932908551	31.24652561
EPSTI1:CCDS31964.1	-1.266284098	0.985589406	31.21645936
C17orf47:CCDS32691.1	-2.038758235	0.669695321	31.21501477
KLRK1:CCDS8623.1	-1.557131685	0.343834471	31.20225612
ANKAR:CCDS33351.2	-1.312424942	2.244308527	31.18994014
RNASE9:CCDS55904.1	-2.075213057	0.013697791	31.17430473
TECTB:CCDS7571.1	-1.964342014	0.148705042	31.17195666
THEG:CCDS12026.1	-1.493909687	0.380721562	31.16964208
ANXA10:CCDS34096.1	-1.98561589	0.130851826	31.1598704
GSG1:CCDS8659.2	-1.230833872	1.799095988	31.12692429
OR6C3:CCDS31819.1	-2.081632944	-0.464958476	31.12133048
MMP7:CCDS8317.1	-2.129070957	-0.257743226	31.094278
CHI3L2:CCDS41367.1	-1.516357106	0.474979107	31.0871384
ACPP:CCDS46916.1	-2.066202514	0.741966722	31.07690462
SPR:CCDS1920.1	-1.387695762	0.911865413	31.05657257
CLRN1:CCDS3153.1	-2.013796554	0.409297373	31.05200967
SOHLH1:CCDS35174.1	-1.995522706	0.173869569	31.04311659
ADAD1:CCDS34058.1	-1.958316339	0.862123032	31.02997554
SLC38A11:CCDS2224.1	-2.217173792	0.446419132	31.02692932
RASSF6:CCDS3558.1	-1.986061361	0.617340713	31.0252779
PRSS45:CCDS46815.1	-2.152085571	-0.712313522	31.0194419
MS4A1:CCDS31570.1	-2.009499384	0.142654449	31.01614332
RBMY1D:CCDS35480.1	-2.00602276	0.854543165	30.99949654
OR4N4:CCDS32173.1	-2.034669736	0.029674253	30.99453183
LBP:CCDS13304.1	-1.388826836	0.528025881	30.99328219
FCRLA:CCDS30926.1	-2.02654339	0.941907759	30.98890196
ACPP:CCDS3073.1	-2.078927261	0.67424742	30.98502599
C11orf16:CCDS7794.1	-2.029274951	0.141884368	30.97199312
IL16:CCDS42069.1	-1.489423611	2.340533192	30.9642897
IL16:CCDS53966.1	-1.489423611	2.340533192	30.9642897
TM4SF19:CCDS56299.1	-1.758307297	0.112131853	30.93104458
FGF5:CCDS34021.1	-1.680046884	0.106412149	30.92194374
SLC45A2:CCDS43308.1	-1.699665133	0.6081364	30.92017653
TRIM29:CCDS8428.1	-2.237590095	1.038620272	30.91792726
CCDC39:CCDS46964.1	-1.093098832	1.824938859	30.90623073
MOGAT2:CCDS8240.1	-2.017340415	-0.044636115	30.89664459
IL37:CCDS2106.1	-2.015069154	0.091534365	30.87103689
CTSG:CCDS9631.1	-2.063176541	-0.30080666	30.84473778
IL1A:CCDS2101.1	-2.014025552	0.187307857	30.84035404
KIF4B:CCDS47324.1	-1.194853221	1.532719733	30.82477963
FAIM3:CCDS1473.1	-1.938927333	0.731376317	30.82456298
OR51S1:CCDS31362.1	-1.99546383	-0.059997284	30.80343557
RNF128:CCDS14520.1	-2.102981798	0.382061972	30.79874132
LRRRC55:CCDS31539.1	-1.202494488	2.342976926	30.78014353
COL6A6:CCDS46911.1	-1.715848907	2.901683503	30.77179069

TAUvsControls

SLC23A3:CCDS46518.1	-1.270323429	1.383323747	30.75155357
CD1E:CCDS53386.1	-2.108603061	0.743149288	30.73578485
IYD:CCDS55067.1	-1.924192654	0.853717829	30.73293166
SLC34A1:CCDS54953.1	-2.013233007	0.622483917	30.72883952
FCN3:CCDS301.1	-2.103702981	0.35614514	30.72575911
TEKT5:CCDS10542.1	-1.566321837	0.560341814	30.70452342
GALNT6:CCDS8813.1	-1.366846571	0.804604255	30.67756415
KYNU:CCDS33299.1	-1.947413577	0.644052455	30.66887248
CCKBR:CCDS7761.1	-1.85110096	1.968531488	30.66594032
MRGPRX2:CCDS7847.1	-2.080665361	-0.11943077	30.65766305
TRPM4:CCDS56098.1	1.139353442	5.986415045	30.64820184
FOXR2:CCDS35308.1	-2.075880179	-0.512031417	30.64593674
UGT3A1:CCDS3913.1	-1.977638365	0.603214154	30.61772913
EYS:CCDS47446.1	-1.673350277	0.819639454	30.61453697
RXFP4:CCDS1124.1	-2.044829132	-0.187608044	30.6110492
SLA:CCDS6370.1	-2.313381295	2.69707481	30.59930253
KLK12:CCDS54298.1	-2.136542465	-0.749094069	30.58665276
SSTR4:CCDS42856.1	-1.98202132	0.578246766	30.58069998
C14orf183:CCDS45101.1	-2.06885042	-0.031983526	30.58038716
SLC5A11:CCDS10625.1	-1.116103095	1.320119171	30.56898963
MAGEA10:CCDS14705.1	-1.97954524	0.243171251	30.56747406
OR10W1:CCDS7968.1	-2.09376608	-0.423325057	30.54749825
SLC26A7:CCDS6255.1	-1.947888065	1.16456897	30.53530891
MALL:CCDS2085.1	-2.17853566	-0.43842184	30.53071448
ALS2CR12:CCDS2346.1	-1.522484219	1.398164237	30.51656577
TP63:CCDS46980.1	-2.159406359	0.826325667	30.48678766
CLNK:CCDS47024.1	-1.947748232	0.944555482	30.48413526
CTCF:CCDS13459.1	-1.234577161	1.600644264	30.48332257
PDCD1:CCDS33428.1	-2.139540128	-0.303349172	30.47953116
KRT26:CCDS11374.1	-1.970911323	0.559205269	30.47019896
GADL1:CCDS2649.2	-2.07238339	0.873536026	30.46417591
TRPC7:CCDS47267.2	-2.331556173	1.532982867	30.46192718
SLC22A2:CCDS5276.1	-2.094769955	1.060376659	30.44259074
MPO:CCDS11604.1	-1.447108751	1.281527919	30.426635
NEXN:CCDS41351.1	-2.424770632	2.327255271	30.41667332
PTGER3:CCDS658.1	-1.35388618	0.813003774	30.39014418
ANKS4B:CCDS42130.1	-1.986834492	0.18564944	30.38356363
FAM170A:CCDS54889.1	-2.10927143	0.142651369	30.36609276
OR8S1:CCDS31789.1	-1.963766829	-0.017124546	30.36524354
PAX1:CCDS13146.2	-1.867520648	0.833144065	30.36152362
GPR148:CCDS2163.1	-1.996429729	-0.365757045	30.34366338
TNFRSF11A:CCDS11980.1	-1.319269965	1.128353413	30.33232378
CD33:CCDS54299.1	-1.972788055	0.428535342	30.32675929
MCHR2:CCDS5044.1	-2.019000507	-0.007126636	30.31867851
TMPRSS11B:CCDS3521.1	-1.990928321	0.448887344	30.30434853
CFHR5:CCDS1387.1	-1.960330386	0.7571049	30.30157263
KRT16:CCDS11401.1	-1.47803161	0.970361916	30.29843657
VNN2:CCDS56451.1	-2.102137101	-0.071152697	30.29166732
AQP10:CCDS1065.1	-2.067840352	-0.051202538	30.28162369
SLC23A3:CCDS46517.1	-1.261657782	1.414743321	30.27759257
CYP1A2:CCDS32293.1	-1.475919696	0.537843972	30.27359716

TAUvsControls

FAM71D:CCDS9778.1	-1.93983953	0.529263844	30.26578877
OR8B8:CCDS8446.1	-2.066953457	-0.356484316	30.2611789
OR6P1:CCDS53391.1	-2.043142815	-0.359635456	30.23147618
MKX:CCDS7156.1	-1.898665405	2.251158434	30.2265674
MS4A15:CCDS44617.1	-2.012154054	-0.178747443	30.21544851
WDR66:CCDS41853.1	-1.057568589	2.1168632	30.2129863
SPAM1:CCDS5790.1	-1.97512284	0.164508565	30.20949863
FCRLA:CCDS53415.1	-2.03771406	1.17240316	30.18299224
SPATC1:CCDS6413.2	-2.115342597	1.120306856	30.1710101
PRAMEF21:CCDS41260.1	-1.968658037	0.194233395	30.16460352
NR0B1:CCDS14223.1	-1.563289107	0.507157318	30.15578629
OR1J4:CCDS35122.1	-2.059014615	-0.475717485	30.15446032
DCAF4L2:CCDS6245.1	-2.033482292	-0.166044936	30.15427321
SLC9B1:CCDS34041.1	-1.609878606	0.982623302	30.14395398
TEX33:CCDS54524.1	-2.004661565	0.042987738	30.13266263
CT47A1:CCDS35391.1	-2.000955362	-0.199374893	30.13040073
CDY2B:CCDS35473.1	-1.998532974	0.232732359	30.12409742
OR4C12:CCDS31496.1	-2.122936485	-0.467017797	30.12347209
SERPINE3:CCDS53870.1	-1.925623047	0.88863767	30.10893162
ADAD1:CCDS54800.1	-1.941045493	0.823940133	30.10045765
TNNI2:CCDS53594.1	-3.14583192	2.348669054	30.09520942
CD180:CCDS3992.1	-1.906638869	0.521748811	30.0799257
TAC4:CCDS42359.1	-2.081152075	-0.301366134	30.06170012
CHRM2:CCDS5843.1	-1.597461286	0.511794662	30.06023416
PAH:CCDS9092.1	-1.93910061	0.772156447	30.05689649
OR1E2:CCDS11026.1	-2.078407486	-0.472071882	30.0560205
ILDR1:CCDS56271.1	-2.093490772	0.836384687	30.05365171
TMC1:CCDS6643.1	-1.192690424	1.524965318	30.02691202
QRFPR:CCDS3719.1	-1.40543611	0.825779084	30.02598701
GRAP2:CCDS13999.1	-2.086073389	0.368576638	30.0045234
DOK2:CCDS6016.1	-1.452710419	0.261265335	29.9893993
RHO:CCDS3063.1	-2.080526305	-0.043007488	29.98551822
DIO2:CCDS55934.1	-2.037814803	0.206482117	29.97998288
CASP10:CCDS56160.1	-2.003576651	0.688203414	29.97482649
CASP10:CCDS2339.1	-2.032123925	0.821166228	29.97162055
ANXA13:CCDS34939.1	-1.940377811	0.759160063	29.96577221
WNT8B:CCDS7494.1	-1.265440788	2.283407925	29.94228932
CIDEC:CCDS56239.1	-2.226365647	0.513072086	29.94206657
BOLL:CCDS2325.1	-1.990148529	0.338393452	29.94077128
RASSF6:CCDS3559.1	-1.982657069	0.451499198	29.93528647
TRIM60:CCDS3808.1	-2.010176034	0.353333008	29.93147136
DOCK2:CCDS4371.1	-1.069652976	2.700383168	29.92548309
TAL1:CCDS547.1	-1.541367666	0.1882121	29.92305491
TRPM4:CCDS33073.1	1.121185024	6.063674122	29.91689816
IL31:CCDS31919.1	-2.140019064	-0.640245302	29.9148026
FAM9C:CCDS35203.1	-2.12635097	-0.607596583	29.8991798
ALDH1A3:CCDS10389.1	-2.084007077	4.640471494	29.89878531
OR10H1:CCDS12335.1	-2.006913705	-0.278960973	29.88106311
VWF:CCDS8539.1	-1.223005335	3.439632258	29.87301898
PRSS37:CCDS34764.1	-2.066250322	-0.435197403	29.85743344
ZCCHC5:CCDS14440.1	-1.944513816	-0.023602404	29.85636697

TAUvsControls

KCNJ10:CCDS1193.1	-2.168030969	1.027370556	29.85452363
OASL:CCDS9212.1	-2.061112933	-0.034932266	29.85056822
TNNI2:CCDS31333.1	-3.114459682	2.336599369	29.84933506
KIF25:CCDS5305.1	-1.952927905	0.368571863	29.84233294
CCR9:CCDS2732.1	-2.011378131	0.341087881	29.83585874
CLDN7:CCDS11096.1	-2.372766366	-0.312909513	29.83037376
A4GNT:CCDS3097.1	-1.981290313	-0.324633159	29.82724137
GDF2:CCDS7219.1	-1.963357767	0.382543141	29.81700647
CCDC87:CCDS8145.1	-1.339698022	1.265237066	29.78044099
VGLL1:CCDS14658.1	-2.108414855	-0.438549958	29.77640582
CXorf48:CCDS35400.1	-1.974235084	-0.167049698	29.77039549
TRHDE:CCDS9004.1	-1.448772853	2.342591638	29.75451863
OVGP1:CCDS834.1	-1.267111201	1.90185161	29.74589763
SLC26A7:CCDS6254.1	-1.932967877	1.138141292	29.74030021
TMEM30B:CCDS32093.1	-2.091506979	0.033491082	29.73756353
GZMA:CCDS3965.1	-2.019277668	-0.284430587	29.72717492
PSG8:CCDS33037.1	-2.21963939	0.63991008	29.71893088
ZAR1L:CCDS45023.1	-2.063339006	-0.303003111	29.71417625
KCNS1:CCDS13342.1	-1.9359725	0.769955419	29.70783311
SPINK5:CCDS47301.1	-0.992943581	2.083629731	29.69399138
ALS2CR12:CCDS46488.1	-1.503960444	1.370669476	29.68220647
LRRC72:CCDS56464.1	-1.99892692	0.231181522	29.66186058
AKR1D1:CCDS55170.1	-2.028467597	0.155599898	29.65781534
TNFSF14:CCDS12171.1	-2.01372684	-0.366244217	29.64800909
CCKAR:CCDS3438.1	-2.01482797	0.390258696	29.64732118
EIF2S3:CCDS14210.1	1.108076243	6.151924226	29.61959504
SHE:CCDS30877.1	-1.952679576	0.624207783	29.6058465
OR52A1:CCDS31374.1	-2.080898496	-0.546721199	29.59246691
GABRP:CCDS4375.1	-1.980098356	0.370410528	29.57528554
CANX:CCDS4447.1	0.929951834	8.532257648	29.56309246
ACER1:CCDS12161.1	-1.685253456	-0.06594074	29.55865056
ACVR1C:CCDS46434.1	-2.073235339	0.501143739	29.55370837
PXDNL:CCDS47855.1	-1.090057416	2.1496976	29.54921313
KIAA1614:CCDS41442.1	-1.133683111	2.175902045	29.54794157
LY6E:CCDS6394.1	1.970900706	5.129686329	29.5380871
SPAM1:CCDS5791.1	-1.958830004	0.145315905	29.53530271
TBC1D29:CCDS32606.1	-2.009523225	-0.314325932	29.52860214
TMEM72:CCDS41504.1	-1.380989872	0.532010998	29.5211271
CD86:CCDS43138.1	-1.934204018	0.520227947	29.50910581
ADAMDEC1:CCDS55212.1	-2.06399939	0.869262172	29.48278492
CSF3R:CCDS414.1	-1.176184031	1.468392378	29.46999574
LCN1:CCDS6991.1	-2.061140031	-0.270530946	29.46216962
WT1:CCDS55751.1	-1.661353045	1.374242612	29.4586334
CRYBA1:CCDS11249.1	-3.16402372	6.362083178	29.45518033
CSF3:CCDS11357.1	-1.986234304	0.003543755	29.45292275
IL23R:CCDS637.1	-1.966749191	0.700459144	29.4502803
LILRA4:CCDS12890.1	-1.956937863	0.576868263	29.44842554
FCGR3B:CCDS41433.1	-2.000072422	0.797779512	29.44181705
F9:CCDS14666.1	-1.960617304	0.926541573	29.42006997
STK17A:CCDS5470.1	-1.111546772	2.791150289	29.41361733
PNLIPRP1:CCDS7595.1	-1.988429821	1.125580622	29.41334204

TAUvsControls

CD1E:CCDS53384.1	-2.109481315	0.594561496	29.41078133
ACVR1C:CCDS46433.1	-2.003728378	0.434606961	29.40199593
RAB19:CCDS34762.2	-2.037427539	-0.595464101	29.39518209
TRPC7:CCDS54906.1	-2.310024674	1.38775403	29.39416152
KMO:CCDS1618.1	-1.621121032	1.101514128	29.39283355
OR10K1:CCDS30897.1	-2.007396241	-0.416694039	29.39175539
ASB10:CCDS47750.2	-1.972771801	0.423122722	29.38758377
GHSR:CCDS3218.1	-2.010217226	0.106435096	29.38267323
IL18:CCDS44731.1	-2.186188267	-0.303036029	29.37494337
SLC17A1:CCDS4565.1	-1.902544301	0.43954804	29.37175684
ATP4B:CCDS9539.1	-1.959222095	-0.069430312	29.37093553
NEXN:CCDS53335.1	-2.38541221	2.243751274	29.35923203
OR2F1:CCDS5887.1	-1.973927859	-0.353499844	29.35381163
GBP3:CCDS717.2	-1.254829782	1.415817111	29.352775
CIDEA:CCDS11856.1	-1.973704761	-0.183977854	29.35260703
OC90:CCDS47919.1	-1.890621762	1.041289018	29.33473001
PLAC1:CCDS14642.1	-2.15994139	-0.389002495	29.33267697
CD244:CCDS53398.1	-2.046951975	0.360891628	29.32778408
CLRN1:CCDS56285.1	-2.017274946	0.625729795	29.32752754
EYS:CCDS4967.1	-1.596037877	0.708059309	29.32689757
CSF2RA:CCDS55361.1	-1.262772434	1.781621654	29.32174614
TECRL:CCDS33990.1	-1.971254475	0.349412939	29.31661044
CPLX4:CCDS11973.1	-2.240236152	-0.083493351	29.30690726
GPR119:CCDS14625.1	-1.98342421	-0.237847036	29.29967024
KIR2DL4:CCDS42619.1	-1.945643661	0.953254287	29.28580892
PIK3R5:CCDS11147.1	-1.191681855	2.230660451	29.28389308
VDR:CCDS8757.1	-1.369121837	1.176877051	29.28088061
PSG8:CCDS46091.1	-2.197565467	0.644310636	29.24928836
SP100:CCDS42832.1	-1.726577571	2.835795657	29.22988738
ILDR1:CCDS3008.1	-2.077233934	0.677876633	29.22167623
TBXA2R:CCDS42467.1	-1.652768384	0.012390998	29.21345932
SP100:CCDS56171.1	-1.647888765	2.372681922	29.20829666
C1orf127:CCDS53267.1	-1.590375364	1.497378908	29.20573889
PRR15:CCDS5421.1	-2.225010717	-0.635109756	29.19734248
SLC16A12:CCDS7404.2	-1.655599352	0.502845451	29.19644769
CYP24A1:CCDS33491.1	-1.976069692	0.667285091	29.19595212
CSF2RA:CCDS35192.1	-1.141618656	1.954638702	29.18820041
KCNJ1:CCDS8476.1	-2.006307987	0.06672886	29.17596209
KRTAP10-9:CCDS42961.1	-1.973962122	-0.416324847	29.16589201
KIAA1199:CCDS10315.1	-1.777308716	5.62197335	29.15910844
NINJ2:CCDS8505.1	-2.194825272	-0.253794542	29.140403
RAD21L1:CCDS46568.1	-1.920361446	1.08247716	29.13347859
EHF:CCDS55752.1	-1.887981186	0.744622385	29.12651362
BOLL:CCDS2324.1	-1.960813334	0.452542216	29.12134269
SH3RF2:CCDS4280.1	-1.380762883	1.43459493	29.11617497
ADAD1:CCDS54801.1	-1.919758343	0.775175449	29.10573724
MAS1:CCDS5272.1	-2.085064582	-0.410813569	29.09352799
TAS2R10:CCDS8634.1	-1.956837938	-0.309532219	29.09260413
TRPA1:CCDS34908.1	-2.548273168	2.704148872	29.08909071
EPST11:CCDS9387.1	-1.256952168	0.73788342	29.08724663
DYDC1:CCDS7366.1	-2.131055865	-0.448024037	29.07507651

TAUvsControls

HPGDS:CCDS3640.1	-2.078684547	-0.556664823	29.06234104
AWAT1:CCDS35321.1	-2.197735206	-0.081807879	29.0614623
GATA6:CCDS11872.1	-1.702566484	2.056198865	29.04409282
SERPINB5:CCDS32839.1	-1.976030575	0.081392008	29.03916616
MPPED2:CCDS44560.1	-1.220147228	3.771624017	29.0309646
GOT1L1:CCDS47839.1	-1.91507871	0.472430446	29.02444118
FAIM3:CCDS44304.1	-1.923607942	0.446586178	29.0188974
PYHIN1:CCDS1178.1	-1.899679753	0.794678991	29.0164796
SLC25A45:CCDS41671.1	-1.584243177	-0.035628359	29.01551012
NEUROD2:CCDS11338.1	-2.51992641	4.01714008	29.00613399
TREM2:CCDS4852.1	-1.976430949	-0.182725274	28.99642091
TRIM54:CCDS1746.2	-2.872872084	0.465678537	28.99356649
APBB1IP:CCDS31167.1	-1.97784698	1.604066122	28.99260764
CTSS:CCDS968.1	-1.786478228	0.81347489	28.98018553
CST9L:CCDS13157.1	-2.108367663	-0.710409422	28.96849861
NAT1:CCDS55205.1	-1.427947508	0.689292985	28.96647252
CLDN18:CCDS33862.1	-2.094976944	-0.181454165	28.96594482
PLEKHN1:CCDS4.1	-1.30297436	1.276186383	28.96210275
CABS1:CCDS3539.1	-1.965796055	-0.106508763	28.95842188
TLR10:CCDS3445.1	-1.501410004	0.871178969	28.95721881
TCEB3C:CCDS11931.1	-1.880781008	1.012408488	28.94688478
OR1E1:CCDS11024.1	-2.001069112	-0.508154295	28.94240477
OR6N1:CCDS30905.1	-1.979208027	-0.371768293	28.9389448
TCEB3CL:CCDS42433.1	-1.911256251	1.004752297	28.93744937
AQP2:CCDS8792.1	-1.945797133	-0.06586055	28.92481637
EPO:CCDS5705.1	-2.110605483	-0.42245822	28.92152306
TPRX1:CCDS33066.1	-2.125024626	-0.244335269	28.89362294
CRYAA:CCDS13695.1	-3.595670743	7.167110952	28.88222159
CRNN:CCDS1010.1	-1.914008577	0.366807281	28.87913357
TBPL2:CCDS9724.1	-1.939120809	0.305963244	28.86362319
ENPEP:CCDS3691.1	-1.058882623	1.658015439	28.86050239
OR8I2:CCDS31517.1	-2.046472729	-0.46276426	28.85746811
UGT2B17:CCDS3523.1	-1.921038888	0.262519955	28.85418046
DYTN:CCDS46502.1	-2.066536758	0.9663088	28.84981788
PPP1R3A:CCDS5759.1	-1.957128585	1.329077398	28.84011965
CSF3:CCDS42314.1	-1.96803075	-0.077649418	28.8327064
OR4K14:CCDS32027.1	-2.003060439	-0.404273145	28.82778597
ADAMDEC1:CCDS6044.1	-2.090966886	1.200282612	28.81464975
ACSM2A:CCDS32401.1	-1.815976372	1.236623659	28.81350679
SCARA5:CCDS6064.1	-2.17097209	0.884285992	28.8005634
OR9Q1:CCDS31543.1	-2.001929891	0.022044067	28.79728423
IL1RAPL2:CCDS14517.1	-1.473141438	1.016234217	28.79371477
NIPAL4:CCDS47328.1	-1.453591446	1.111010915	28.79067395
AKR1B10:CCDS5832.1	-1.465297099	0.367528188	28.7890408
RAG2:CCDS7903.1	-1.95968989	0.298153402	28.78814412
KCNK18:CCDS7598.1	-1.968503594	-0.031252731	28.78795047
MMP27:CCDS8319.1	-1.921038262	0.416267186	28.78471069
MUC7:CCDS3541.1	-2.044502864	0.281773471	28.77936931
APOF:CCDS44923.1	-1.958179658	-0.418027356	28.76649899
BDKRB1:CCDS9943.1	-1.729220308	1.132986815	28.76589002
UGT1A9:CCDS2505.1	-1.322784439	0.788928691	28.76325586

TAUvsControls

OR52E8:CCDS31400.1	-2.102275516	-0.51583093	28.76157109
CHP2:CCDS10617.1	-2.109843283	-0.46822141	28.75327253
SPP1:CCDS43250.1	-1.683456771	4.256277433	28.74886129
LAIR1:CCDS12891.1	-2.021525609	0.842920234	28.74218413
EXD1:CCDS10072.1	-1.924448367	0.432233578	28.73796773
HTR3D:CCDS3249.1	-1.971394916	0.048028055	28.71112793
CDY2A:CCDS14789.1	-1.945262391	0.249875463	28.70218798
CHI3L2:CCDS30803.1	-1.539325892	0.834353437	28.69747317
PYHIN1:CCDS30907.1	-1.873580353	0.754430191	28.67951003
LRRIQ4:CCDS46951.1	-1.885017517	0.467189032	28.6678468
PRSS50:CCDS2745.1	-1.947507856	0.09353327	28.65632782
ACOX2:CCDS33775.1	-1.497470281	2.498606066	28.65009268
LDHAL6A:CCDS7841.1	-2.011394024	0.037328901	28.64594854
PTGER4:CCDS3930.1	-1.934704075	0.673120833	28.64100403
TNFSF10:CCDS54680.1	-2.126406811	-0.687207683	28.63705728
TMPRSS11F:CCDS3520.1	-1.945632321	0.568815028	28.62644087
CSH1:CCDS11649.1	-2.00227102	-0.136013022	28.61818222
SPAG11B:CCDS5966.1	-2.117131662	-0.703511655	28.60220177
C19orf35:CCDS12087.1	-1.360105133	0.299143494	28.59385831
LILRA5:CCDS12888.1	-1.987028624	0.158917698	28.59120005
OR10H3:CCDS12334.1	-2.050834423	-0.282532628	28.5900088
CYP2C9:CCDS7437.1	-1.901857656	0.419620319	28.58191849
OR3A1:CCDS11023.1	-2.060178363	-0.491474457	28.57826594
ASB10:CCDS5921.2	-1.988478708	0.25318261	28.56446422
AQP8:CCDS10626.1	-1.536411811	0.122659372	28.56309423
SLC14A2:CCDS11924.1	-1.210293323	1.594084075	28.55695109
C17orf104:CCDS45703.2	-1.402738987	1.359576536	28.54303826
FAM187B:CCDS12448.1	-1.990403569	-0.401037577	28.53668268
ACSM2B:CCDS10586.1	-1.812042488	1.186292397	28.53487876
CYP8B1:CCDS2707.1	-1.956452614	0.381772109	28.51837008
SLC26A3:CCDS5748.1	-1.35015676	1.427667425	28.50371035
CRH:CCDS6188.1	-2.403435479	1.596280114	28.48766322
OR10G8:CCDS31704.1	-2.04052272	0.003806779	28.48357135
DEFB119:CCDS33455.1	-2.295298874	-0.838424	28.47219084
KDM5D:CCDS14794.1	-2.241335134	3.455189657	28.4690941
TBC1D21:CCDS10252.1	-1.29422721	0.722928763	28.46858974
PRAMEF18:CCDS41258.1	-1.913401103	0.248718021	28.45205639
TREX2:CCDS35437.1	-2.147816922	-0.766505689	28.45049461
UGT2B15:CCDS3524.1	-1.916728651	0.167115829	28.44712246
PRAMEF22:CCDS41256.1	-1.906480726	0.178336503	28.44399131
PRLR:CCDS3909.1	-1.252742293	1.391634683	28.44110155
PYHIN1:CCDS1179.1	-1.888699623	0.77258954	28.43356551
KLHL6:CCDS3245.2	-1.373166723	0.736677792	28.42549482
CD1B:CCDS1176.1	-2.055576455	-0.015061135	28.42404227
FAIM3:CCDS53467.1	-1.903439142	0.463329914	28.41520723
BMX:CCDS14168.1	-1.950247947	1.53145896	28.38875044
CDY1B:CCDS35486.1	-1.920629455	0.298424708	28.38583627
KLHL33:CCDS53882.1	-1.895733705	0.512575264	28.38546004
HFE2:CCDS911.1	-2.18228569	0.126283032	28.38034286
ZPBP2:CCDS11352.1	-2.056735104	0.01226226	28.3798941
GK2:CCDS3585.1	-1.948120874	0.089919047	28.37817638

TAUvsControls

IL12RB2:CCDS638.1	-1.148594454	1.589474113	28.37110603
TBX22:CCDS43975.1	-1.901841151	0.172133852	28.35968025
INSM2:CCDS9657.1	-1.676395303	1.127790935	28.34888363
CHMP4C:CCDS6233.1	-1.664584075	0.07433075	28.34715953
ARHGEF35:CCDS34770.1	-1.464052012	0.666575079	28.34158061
PTER:CCDS7111.1	-2.005346783	0.478505376	28.33461286
MRGPRD:CCDS31625.1	-1.494136436	-0.248131554	28.33366364
CSF3R:CCDS413.1	-1.162973516	1.422486812	28.3313312
IL37:CCDS2104.1	-1.985257658	0.179038432	28.32879748
RHOV:CCDS10068.1	-1.586469522	0.437610467	28.32143859
PCDH12:CCDS4269.1	-1.002605033	1.784536099	28.30646325
HTR3C:CCDS3250.1	-1.911699447	0.59518423	28.30431336
OR2M3:CCDS31107.1	-1.961375657	-0.249467612	28.30392435
TNF:CCDS4702.1	-1.993042414	-0.314832876	28.28845505
LIPN:CCDS44456.1	-1.905664517	0.301001873	28.28840179
AQP7:CCDS6541.1	-2.081655248	0.527862177	28.26459652
SP100:CCDS56170.1	-1.701204965	2.643925457	28.25839645
SLAMF9:CCDS1191.1	-1.885328036	0.463589608	28.25296032
BCO2:CCDS8358.2	-1.267682285	1.822555773	28.25165233
POM121L12:CCDS43584.1	-2.048726452	-0.547446655	28.24935059
C4orf17:CCDS3649.1	-1.888863595	0.611769387	28.24000165
BTNL3:CCDS47358.1	-1.904472392	0.454845904	28.23759351
CTAG1B:CCDS14758.1	-1.613585155	-0.633105739	28.22866212
CD84:CCDS1206.1	-1.999159731	0.448708481	28.21990444
EHF:CCDS7894.1	-1.886886202	0.507144159	28.21109634
OR13A1:CCDS31188.1	-2.027372263	-0.315895475	28.20423057
SERPINA4:CCDS9927.1	-1.986098116	-0.165437102	28.18531607
PRAMEF8:CCDS30597.1	-1.947979046	0.22182247	28.17035051
ITIH1:CCDS54595.1	-1.170060728	1.443976018	28.15734137
PYHIN1:CCDS30908.1	-1.86260851	0.731686905	28.14979772
VSIG1:CCDS55474.1	-1.362303884	0.622451301	28.14795663
C3orf52:CCDS46887.1	-1.484733054	0.335411951	28.14400664
CD226:CCDS11997.1	-1.895880704	0.42787365	28.12177843
PKDREJ:CCDS14073.1	-1.185262465	2.233652782	28.10348718
KDM5D:CCDS55554.1	-2.22468762	3.405859757	28.07839236
OR1M1:CCDS32896.1	-1.975532994	-0.380662482	28.0629103
F2:CCDS31476.1	-1.438950823	0.914782631	28.05802662
OR6C4:CCDS31827.1	-2.055279256	-0.613322414	28.05172308
HOXD11:CCDS2265.1	-2.255349233	0.174539001	28.04939061
ASB15:CCDS34742.1	-1.889837667	0.694338692	28.04898274
SERPINA9:CCDS41982.1	-1.918521612	0.238805023	28.03151346
CES5A:CCDS54012.1	-1.4043792	1.237813012	28.01274083
FAAH2:CCDS14375.1	-1.12233482	1.117227991	28.01267723
ACPT:CCDS12802.1	-1.111527073	1.020288826	28.01047248
LILRA3:CCDS54317.1	-1.918183656	0.24558786	28.00908421
C17orf99:CCDS54171.1	-1.959466521	-0.272737709	28.00641398
TMPRSS11E:CCDS33993.1	-1.899585861	0.325976077	28.00043512
C12orf56:CCDS44935.1	-1.83064156	0.89648095	27.954025
CALHM1:CCDS7550.1	-1.935479266	-0.191178917	27.95169819
SERPINA10:CCDS9923.1	-1.876380038	0.272989695	27.9361454
ADORA3:CCDS838.1	-1.576897837	0.271165163	27.93558465

TAUvsControls

G6PC:CCDS11446.1	-1.987957342	0.08339022	27.929604
LILRA5:CCDS12889.1	-1.928467922	0.013436233	27.92391576
CETN1:CCDS11820.1	-2.038151953	-0.704472678	27.92146757
CSF2RA:CCDS35190.1	-1.233692704	2.02629573	27.91831372
SIRPB2:CCDS46570.1	-1.974339462	0.132169539	27.90481241
IGFL3:CCDS33058.1	-2.115393753	-0.696507037	27.89623125
KCNJ1:CCDS8477.1	-2.021379915	-0.210553499	27.89336656
OPTC:CCDS1439.1	-2.371105293	1.049447208	27.89239105
NKAPL:CCDS34353.1	-1.978656541	0.142525873	27.88436474
CD33:CCDS46157.1	-1.970270354	0.058819463	27.86479254
FBXO39:CCDS11082.1	-1.920692577	0.272447208	27.86254794
RBP1:CCDS3110.2	-1.900489333	6.323494642	27.85691523
CSMD2:CCDS380.1	-0.91577228	4.069333674	27.85038097
PRAMEF17:CCDS41264.1	-1.945848973	-0.010819889	27.8476564
KRT5:CCDS8830.1	-1.143002362	1.444157349	27.84658519
TSGA13:CCDS5824.1	-1.876937291	0.509359059	27.84599125
C8orf47:CCDS34929.1	-1.860492417	1.297378155	27.84571228
GIPC3:CCDS32871.1	-2.035774066	-0.075285509	27.83560673
CPNE6:CCDS9607.1	-1.831436755	2.816874462	27.83004329
SPP1:CCDS3626.1	-1.669973161	4.134568915	27.82295053
HEMGN:CCDS6731.1	-1.940599315	0.22379611	27.79435887
CLEC9A:CCDS8611.1	-2.003956722	-0.355297833	27.78185158
SLC6A3:CCDS3863.1	-1.225323646	1.20553977	27.77244672
HABP2:CCDS7577.1	-2.046757383	1.257784361	27.75167025
ANXA13:CCDS47917.1	-1.902911616	0.60055744	27.74317664
HLA-DOB:CCDS4754.1	-1.947948252	0.013946785	27.73557892
BCO2:CCDS41716.1	-1.274915103	1.751313772	27.73127934
FANCB:CCDS14161.1	-1.249873869	1.364873425	27.73052066
TTR:CCDS11899.1	-2.692406319	8.602766288	27.72405416
DHRS9:CCDS2231.1	-1.952495695	-0.052511693	27.72076026
BLNK:CCDS44464.1	-1.207587355	1.477316203	27.71696211
TMEM236:CCDS41492.1	-1.955369287	0.15746895	27.70952664
CFHR4:CCDS55671.1	-1.9859032	1.244012703	27.70673902
TAS2R38:CCDS34765.1	-1.98300331	-0.336392849	27.69892368
CCDC70:CCDS9431.1	-2.177841777	-0.245673726	27.67077273
TAC4:CCDS42360.1	-2.069106624	-0.179375132	27.66441375
SCNN1B:CCDS10609.1	-1.462259029	1.008783499	27.64806698
MUC12:CCDS55139.1	-1.036699457	3.741013501	27.63135806
IGLL1:CCDS13809.1	-2.044041496	-0.732053449	27.62418102
SHB:CCDS43806.1	-1.27281816	4.229755464	27.61431101
ARSF:CCDS14123.1	-1.61441069	1.051604435	27.60927473
SLC44A2:CCDS54216.1	1.425096913	8.32185888	27.60372465
NLRP14:CCDS7776.1	-1.085143088	1.37113619	27.59534132
TNFSF14:CCDS45939.1	-1.9947111	-0.550645018	27.59341052
SLC44A2:CCDS12245.1	1.427724971	8.329192373	27.58509366
ELSPBP1:CCDS12708.1	-1.966122755	-0.285077888	27.5754359
SAMD3:CCDS34539.1	-1.426219941	1.798708084	27.56536592
LYN:CCDS6162.1	-0.971902923	2.701618163	27.5574352
STEAP1B:CCDS56469.1	-1.91322637	-0.098234326	27.55434446
RBM1J:CCDS35484.1	-1.938297871	0.880496618	27.53955442
SSX5:CCDS14288.1	-1.934402501	0.024559327	27.5346577

TAUvsControls

ADORA3:CCDS41369.1	-1.601637586	-0.000905707	27.50736595
OR6K6:CCDS30904.1	-1.992420189	-0.437341188	27.50365114
ADRA2B:CCDS56129.1	-1.63958473	0.168985386	27.48991913
TRPC7:CCDS54905.1	-2.251700869	1.24921246	27.48855645
HTR6:CCDS197.1	-1.524479694	0.253465597	27.48623674
KIF25:CCDS43530.1	-1.909064901	0.170497492	27.46457782
OR51M1:CCDS53596.1	-2.003323603	-0.384367362	27.46125791
OR11H1:CCDS33594.1	-1.983630161	-0.610225329	27.45911495
CXorf66:CCDS35411.1	-1.981654497	-0.156308829	27.43810867
HOXD12:CCDS46456.1	-2.013673383	-0.396371799	27.42186301
C3orf30:CCDS2984.1	-1.906719752	0.497070346	27.42138118
FBXO47:CCDS32639.1	-1.935360049	0.002229547	27.41994982
SCUBE1:CCDS14048.1	-1.08214783	4.897469	27.4190798
CYP24A1:CCDS46616.1	-1.945726974	0.473502166	27.40699382
OTOL1:CCDS46948.1	-2.037133737	0.603035173	27.39338816
GDA:CCDS56576.1	-1.99320864	1.234827644	27.38338215
SPP1:CCDS34027.1	-1.658243408	4.100628466	27.37335825
OLR1:CCDS8618.1	-1.996716453	0.745577689	27.3500049
LRRIQ3:CCDS41350.1	-1.495046481	0.956807758	27.33139273
CD3E:CCDS31685.1	-2.121630335	-0.427021578	27.33059798
OR3A2:CCDS42233.1	-1.99031441	-0.342491809	27.30671817
NCF2:CCDS53447.1	-1.338336992	1.193450358	27.3049413
IYD:CCDS55066.1	-1.866652648	0.18782941	27.30115354
FHL5:CCDS5035.1	-2.038808838	-0.320742951	27.29367357
LYN:CCDS47859.1	-0.97613222	2.677269907	27.28904846
SLCO4C1:CCDS34205.1	-1.374113507	0.908476823	27.26898491
CCDC144A:CCDS45621.1	-1.175439531	2.167992904	27.26312485
CNBD1:CCDS55259.1	-1.866123083	0.357886775	27.26235461
USH1C:CCDS31438.1	-1.613932685	1.757850394	27.2575514
POF1B:CCDS14452.1	-1.948696625	1.337239481	27.25230576
SERPINI2:CCDS3200.1	-1.882581879	0.405288025	27.24220966
CDH1:CCDS10869.1	-1.645561541	2.338393251	27.23281139
SLC17A2:CCDS4567.1	-1.908376222	0.585345634	27.23103149
CLEC4C:CCDS8584.1	-2.010005058	-0.321271378	27.22407439
CYP2C8:CCDS55721.1	-1.596947254	0.356086997	27.21263671
OR10Q1:CCDS31547.1	-1.988953391	-0.169579014	27.19700439
H1FOO:CCDS3064.1	-2.00471923	0.483272165	27.1821205
PSG2:CCDS12616.1	-2.007188981	0.416673652	27.16697844
OR2G2:CCDS31092.1	-1.939850734	-0.333739211	27.16512624
NIPAL4:CCDS54944.1	-1.456615486	0.962860649	27.15221141
AIRE:CCDS13706.1	-1.913460355	1.096812103	27.15158298
OTOP1:CCDS3372.1	-1.478651911	0.720399704	27.15054321
MSTN:CCDS2303.1	-1.929464803	0.044478642	27.14346921
PRAMEF7:CCDS30593.1	-2.038172823	0.307065375	27.12999596
C1QA:CCDS226.1	-2.10010517	-0.709354136	27.11387637
OR52B4:CCDS41609.1	-2.055463514	-0.505924787	27.10406176
EXTL1:CCDS271.1	-0.902424754	2.034752814	27.10321841
C7orf72:CCDS47585.1	-1.960423677	0.293160471	27.1017014
SLC22A8:CCDS53643.1	-2.09962472	0.587661915	27.07543636
SLAMF6:CCDS1205.1	-1.925849486	0.086317945	27.07434149
SPN:CCDS10650.1	-1.588677309	-0.070676352	27.07071418

TAUvsControls

TCN1:CCDS7978.1	-1.448862433	0.594609277	27.04855953
TMEM171:CCDS4017.1	-1.29437996	0.233217168	27.03848729
FA2H:CCDS10911.1	-1.991510918	0.319451133	27.03479359
OR2T11:CCDS31122.1	-1.977194308	-0.588692644	27.02890309
TCEB3B:CCDS11932.1	-1.628638545	1.298793017	27.02323541
GDA:CCDS6641.1	-1.978814873	1.199507867	27.02041374
HIST1H1A:CCDS4569.1	-1.955127419	-0.39306352	27.01982248
LAIR1:CCDS12892.1	-1.96382015	0.716814309	27.0129605
GCNT4:CCDS4026.1	-1.976013922	0.193077485	26.99791089
LIM2:CCDS12831.1	-2.873658386	1.700206273	26.99147867
KLK3:CCDS46155.1	-1.93903219	-0.051457444	26.98090987
DNAH7:CCDS42794.1	-0.987966352	3.791711706	26.96945666
HEPACAM:CCDS8456.1	-1.473851173	1.154924441	26.96654694
IRF8:CCDS10956.1	-1.876226181	0.974460184	26.96612993
BCL2L10:CCDS10148.1	-2.093579052	-0.789629021	26.96298932
STEAP4:CCDS43611.1	-1.87248569	0.559133135	26.95200586
MYL1:CCDS2390.1	-3.396072086	2.550971267	26.94454039
CCRL2:CCDS46814.1	-2.036539607	-0.169214948	26.93714332
NCR1:CCDS56103.1	-2.214019193	0.226957337	26.93514098
TMEM171:CCDS54869.1	-1.291172117	0.230889517	26.93394492
KRTAP10-8:CCDS13713.1	-1.999796036	-0.689862109	26.91871815
ASB12:CCDS14378.2	-1.478831343	1.009937614	26.90404816
ALDH8A1:CCDS55057.1	-1.359650624	0.769335352	26.90081801
TAS1R1:CCDS81.1	-1.229605767	1.121043754	26.88689941
PDX1:CCDS9327.1	-2.021603114	-0.520716531	26.87917166
TINAG:CCDS4955.1	-1.838058794	0.719034841	26.85464176
NCR1:CCDS46182.1	-2.152259119	0.349520673	26.85409804
SLAMF6:CCDS53394.1	-1.919717936	0.090743774	26.84211065
MYL1:CCDS2391.1	-3.409502985	2.543443007	26.83414989
FAM194A:CCDS3151.2	-1.265230397	1.23420901	26.7974178
HENMT1:CCDS787.1	-2.039886432	0.659672924	26.79477601
PLEKHN1:CCDS53256.1	-1.258467205	1.198046899	26.79131361
NR1H4:CCDS55873.1	-1.851891965	0.69170627	26.78823897
OR8K3:CCDS31527.1	-1.998622228	-0.495480634	26.78653127
DMP1:CCDS43249.1	-1.397159079	0.858245333	26.78626079
UPK1B:CCDS2985.1	-1.956875855	-0.202457288	26.77101581
EMCN:CCDS3655.1	-2.051499055	0.604057206	26.76372135
ACVR1C:CCDS46432.1	-1.93683367	0.211383445	26.74620658
DIO2:CCDS45146.1	-1.964293472	-0.036796711	26.74428054
CYP4B1:CCDS41328.1	-1.874734607	0.783601764	26.74221673
CYP3A4:CCDS5674.1	-1.298194055	0.622260302	26.73416432
CLEC4C:CCDS8583.1	-1.962473406	0.004744601	26.7229365
NNMT:CCDS8368.1	-2.168759575	3.831166116	26.71604931
OR5AR1:CCDS31535.1	-1.894578235	-0.066808392	26.71459461
RP1:CCDS6160.1	-2.259346219	2.435480843	26.71068152
REM1:CCDS13181.1	-1.593368635	0.110361787	26.70061995
CES5A:CCDS45490.1	-1.379560487	1.210961519	26.69249284
IL1RL1:CCDS2057.1	-1.853688767	0.974984735	26.68712471
GPR116:CCDS4919.1	-1.27135604	1.912325667	26.6627542
PSG6:CCDS12613.1	-2.085928713	0.673048705	26.65648478
BIN2:CCDS8811.1	-2.046991009	4.275398646	26.65354298

TAUvsControls

C12orf42:CCDS44963.1	-1.478567594	0.510244726	26.65195808
ARSI:CCDS34275.1	-1.125137294	1.823391938	26.65072348
UNC45B:CCDS45648.1	-3.254597967	2.310085564	26.63887941
VNN2:CCDS5161.1	-1.914747458	0.920875892	26.62936303
GPR171:CCDS3155.1	-1.978339125	-0.333014422	26.62601631
RBM1Y1F:CCDS35483.1	-1.909717543	0.87137441	26.62577343
OR8U1:CCDS41647.1	-1.985537403	-0.323146997	26.62345625
C17orf66:CCDS11299.1	-1.33850761	0.996589171	26.6070695
OR9A4:CCDS43661.1	-2.047124925	-0.44752119	26.59392146
RSAD2:CCDS1656.1	-1.880303105	0.276256527	26.59305401
CYP4B1:CCDS542.1	-1.868923091	0.782045739	26.5912922
FBXW12:CCDS54577.1	-1.42011657	0.931207565	26.58835892
GPR55:CCDS2480.1	-1.942764951	-0.320248496	26.58233037
CDY1:CCDS14801.1	-1.869571416	0.300319909	26.57826359
FOX1E1:CCDS35078.1	-2.064666691	0.190745934	26.56622314
CD84:CCDS53396.1	-2.010087184	0.719894498	26.5660226
CPA4:CCDS5818.1	-2.430621814	3.407379402	26.54751342
OR2W3:CCDS31099.1	-1.676992735	-0.298134652	26.54302773
TMEM156:CCDS3448.1	-1.934105257	0.076392733	26.53263255
CRYBA4:CCDS13841.1	-2.714775088	5.751500905	26.52507853
ALPI:CCDS2492.1	-1.218205915	0.800979994	26.52484999
MT2A:CCDS10763.1	-1.706532363	3.213794505	26.5230107
OR4D2:CCDS32688.1	-1.948553217	-0.249444331	26.51751203
DOK7:CCDS3370.2	-1.228126965	1.215550655	26.51278271
SLCO1C1:CCDS53757.1	-2.272721072	1.28626184	26.510791
UNC45B:CCDS11292.1	-3.24618706	2.315459197	26.51040594
POU2AF1:CCDS31675.1	-1.881829692	0.108323245	26.50376154
ASB10:CCDS47749.2	-1.909018995	0.304132244	26.4954384
MAGEB2:CCDS14219.1	-1.940136731	-0.455510875	26.47237195
LOXHD1:CCDS54184.1	-1.309870476	0.56399883	26.47075184
SP100:CCDS56173.1	-1.618209355	2.257835114	26.46924868
CLEC6A:CCDS31739.1	-2.015290837	-0.679919441	26.46760942
IL37:CCDS2107.1	-1.952923553	0.267821999	26.4609777
NR1H4:CCDS55876.1	-1.831622478	0.767589842	26.44952495
ADH1B:CCDS34033.1	-2.009555887	0.420461953	26.44750735
NR1H4:CCDS9078.1	-1.842685483	0.682870712	26.44439236
C1orf94:CCDS381.1	-1.899140897	-0.089280544	26.43782935
CSF3:CCDS11358.2	-1.938680136	-0.384810647	26.43515554
NOTO:CCDS46335.1	-1.998228312	-0.399044595	26.43032368
CRYGS:CCDS3275.1	-2.413106742	3.979895752	26.42128137
CA5A:CCDS10965.1	-1.938069333	0.055442023	26.41863653
TTC22:CCDS44152.1	-1.955367424	1.072896334	26.39689279
GAGE12E:CCDS43945.1	-2.205046393	-0.763115826	26.39572766
ZAR1:CCDS3483.1	-1.938853382	0.059988797	26.38010722
P2RX1:CCDS11040.1	-1.874235108	0.547276751	26.37627325
LCN6:CCDS7005.1	-1.625378453	-0.403602569	26.37331242
FABP4:CCDS6230.1	-1.747599218	-0.06946493	26.36852447
ADAMTSL5:CCDS12071.1	-1.17126132	1.208140165	26.36129186
ALDH8A1:CCDS5171.1	-1.301636752	0.976522064	26.35896394
HFE:CCDS4581.1	-2.478265694	0.524048537	26.35314021
OR111:CCDS32937.1	-1.95230195	-0.396676668	26.34205404

TAUvsControls

PRLR:CCDS56361.1	-1.363505304	0.988379037	26.33255427
OR10S1:CCDS31701.1	-1.960037582	-0.447496427	26.30619683
TM4SF5:CCDS11054.1	-2.011373612	-0.570757697	26.30375545
CCR3:CCDS2738.1	-1.855550641	-0.056015535	26.29471459
CD2:CCDS889.1	-1.850647872	0.150795575	26.28594195
CD40:CCDS13394.1	-1.206892986	0.840536399	26.27961053
BPIFB4:CCDS13213.2	-1.2981014	0.823594946	26.27658873
MSH4:CCDS670.1	-1.186426922	1.229726296	26.27075764
ANO7:CCDS46563.1	-1.956084903	-0.330313935	26.25670891
CNGA1:CCDS43226.1	-1.121508071	1.423529667	26.25381579
GBP6:CCDS723.1	-1.975229871	1.071812725	26.23702199
CDY1B:CCDS35487.1	-1.879625921	0.238603247	26.23281307
ARSJ:CCDS43264.1	-1.275773238	1.485238419	26.23081662
LIPI:CCDS13564.1	-1.903265848	0.537961703	26.21043794
FBXW12:CCDS2764.1	-1.45353199	0.921694597	26.20785457
CYTL1:CCDS3379.1	-2.386244431	1.328216544	26.20552314
KLKB1:CCDS34120.1	-1.093148378	1.154627476	26.19207146
CDH26:CCDS13486.1	-1.912340528	0.075807921	26.18813126
FLT3:CCDS31953.1	-1.394741063	1.700750955	26.18706594
DIO1:CCDS41339.1	-2.303573983	0.05774952	26.16215094
CALHM3:CCDS44476.1	-1.928626256	-0.376211461	26.15098695
ZMYND15:CCDS11053.1	-1.144442593	1.337976568	26.13914226
TNFSF8:CCDS6810.1	-1.955786943	-0.516093345	26.13912433
SLN:CCDS31667.1	-2.929016255	-0.787897229	26.13795256
NR1H4:CCDS55875.1	-1.82280846	0.7592006	26.13241574
PLA2G5:CCDS202.1	-2.067490717	-0.356952332	26.10534192
KRT39:CCDS11382.1	-1.872293572	0.566668377	26.09890112
HSFY1:CCDS35475.1	-1.911698697	-0.001111514	26.09533303
MYOG:CCDS1433.1	-3.630826591	1.55316628	26.09227559
TKTL2:CCDS3805.1	-1.549674766	0.432262729	26.09217433
SLC23A3:CCDS42819.1	-1.182377529	1.197888119	26.09112342
CT45A3:CCDS35404.1	-2.024226254	-0.308883215	26.08851044
CD1A:CCDS1174.1	-2.01780912	-0.264918491	26.06934296
FASLG:CCDS1304.1	-1.926588641	-0.29012011	26.04566434
PSG4:CCDS46093.1	-1.94588382	0.422639901	26.04007037
NLGN4Y:CCDS14788.1	-1.046519389	3.698751449	26.03783626
TIMD4:CCDS4332.1	-1.858877396	0.424936756	26.03430958
MYLK4:CCDS34330.1	-1.817416072	0.656205271	26.02098023
GIMAP2:CCDS5905.1	-2.20788721	0.204603267	26.01163459
SPIB:CCDS33080.1	-1.338896287	0.045773891	26.01115824
FOXH1:CCDS6428.1	-1.510288698	0.012847827	26.00497766
MANSC4:CCDS53770.1	-1.970934036	-0.362389117	26.00426317
PLCXD3:CCDS34150.1	-1.536429354	0.064049373	26.0026369
C2orf70:CCDS42661.1	-1.715254103	-0.445973238	26.00193919
GPCPD1:CCDS13090.1	1.16740816	4.481114948	25.97725834
VNN1:CCDS5159.1	-1.855935525	0.300504247	25.97669812
SP100:CCDS56172.1	-1.597349249	2.252559933	25.97283441
MAS1L:CCDS4661.1	-1.956934923	-0.39238269	25.97040816
CD1E:CCDS53387.1	-1.964234512	0.636671207	25.96274863
CYP3A7:CCDS5673.1	-1.263915696	0.603495265	25.94660865
IL27:CCDS10633.1	-2.025734901	0.082675436	25.92892774

TAUvsControls

CSH2:CCDS11646.1	-1.99912806	-0.260524192	25.91667518
SYNPR:CCDS46859.1	-1.681654196	2.377887194	25.90848127
CLDN18:CCDS3095.1	-1.959580822	-0.154894409	25.8975038
CRTAM:CCDS8437.1	-2.140728737	0.715359704	25.8890216
VSIG1:CCDS14535.1	-1.327153976	0.449528311	25.88457906
GAGE2E:CCDS48111.1	-1.501434977	-0.173600345	25.87624355
CASP10:CCDS56159.1	-1.957094747	0.723780239	25.87497269
HABP2:CCDS53579.1	-2.007904844	1.18483832	25.86962768
ESX1:CCDS14516.1	-1.896141975	-0.003770842	25.86872812
TAAR6:CCDS5155.1	-1.994156136	-0.108210569	25.86792397
CSF3R:CCDS412.1	-1.130064516	1.399578272	25.86741766
PRLR:CCDS56362.1	-1.279457926	1.00299989	25.8653295
RNF128:CCDS14521.1	-1.577143009	0.468453953	25.86420033
NR1H4:CCDS55874.1	-1.836110328	0.519990328	25.86088063
CRISP3:CCDS55019.1	-1.920624025	0.018672344	25.85838756
PSG6:CCDS33038.1	-2.077249981	0.65023937	25.85616141
CPA4:CCDS55163.1	-2.397115469	3.271397553	25.85568781
PASD1:CCDS35431.1	-1.196886527	1.223114068	25.84805986
LRRC52:CCDS30930.1	-1.893847865	-0.066565281	25.84265724
TMEM213:CCDS47722.1	-1.994051591	-0.642075648	25.8372635
SPAG11B:CCDS5964.1	-2.158407692	-0.888028884	25.80752265
XAF1:CCDS11080.1	-1.877617176	0.625915872	25.80384122
C15orf60:CCDS45296.1	-1.98760746	-0.316338386	25.78552205
GPR142:CCDS11698.1	-1.313560678	0.415079527	25.78260678
CCDC36:CCDS33755.2	-1.829745138	0.910597808	25.77828058
SFTPC:CCDS55209.1	-1.969737708	-0.342941079	25.77551116
UBE2U:CCDS627.1	-1.955471239	-0.338942121	25.75779569
AWAT2:CCDS35320.1	-1.882482637	0.079803399	25.7553692
SFTPC:CCDS43722.1	-1.969624943	-0.280583522	25.75294317
MAGEA4:CCDS14702.1	-1.893176786	-0.087278435	25.74921523
SLCO1C1:CCDS8683.1	-2.259411769	1.247415367	25.73866559
SLC10A6:CCDS3614.1	-1.344958993	0.072082834	25.7366483
OR5AS1:CCDS31516.1	-1.901819114	-0.471642357	25.72920582
PROP1:CCDS4430.1	-1.952121094	-0.352610431	25.71528595
MS4A12:CCDS7988.1	-2.020089842	-0.279783246	25.71185972
OR2V2:CCDS4461.1	-1.922706649	-0.408118429	25.69618118
CA6:CCDS30578.1	-1.815162954	0.47890744	25.68267123
MMP8:CCDS8320.1	-1.51146916	0.544753221	25.68104023
OLR1:CCDS53745.1	-1.9424929	0.463527262	25.66769683
XAF1:CCDS11081.1	-1.858648257	0.414205933	25.66219677
OIT3:CCDS7318.1	-1.376300725	0.654583176	25.66110227
RTP2:CCDS33911.1	-1.970515485	-0.335980821	25.64656406
GLYAT:CCDS7970.1	-1.943758244	-0.541900147	25.63966155
DES:CCDS33383.1	-2.619661971	4.141804361	25.63732969
C2orf53:CCDS1739.1	-1.86094254	0.247738572	25.62198661
GALNT5:CCDS2203.1	-1.482180452	2.462625056	25.61226391
STEAP1B:CCDS55094.1	-1.91721484	-0.432542656	25.6067869
ACY3:CCDS8175.1	-1.570517961	-0.250778737	25.58855327
CTSE:CCDS1462.1	-1.878778762	0.450203705	25.57482485
KCNK16:CCDS47421.1	-1.9287895	-0.075553018	25.57094901
LCP1:CCDS9403.1	-1.313019447	1.149396528	25.56114239

TAUvsControls

ASGR2:CCDS45598.1	-1.854084283	0.467653738	25.55963553
FGF6:CCDS8527.1	-2.038272504	-0.633971788	25.55707064
FRG2B:CCDS44502.1	-1.937506952	-0.393174295	25.55663837
NEB:CCDS54407.1	-1.517129824	4.995115046	25.55634929
CCRL2:CCDS43079.1	-2.041622419	-0.363585867	25.54985187
GAGE12G:CCDS43947.1	-2.143945649	-0.731985579	25.54378392
DUPD1:CCDS31223.1	-2.038822529	-0.388535634	25.52644991
CAMK2N1:CCDS207.1	-1.302299404	4.119637137	25.52040286
OR5B3:CCDS31549.1	-2.019002906	-0.498034579	25.51218417
OR5L2:CCDS31511.1	-2.001997682	-0.591277024	25.50506204
HCAR1:CCDS9236.1	-2.089371793	-0.435324365	25.49289871
FRK:CCDS5103.1	-1.829718097	0.724395921	25.49194395
MYLPF:CCDS10677.1	-3.290705713	5.250010242	25.4917474
GAGE12F:CCDS43946.1	-2.090494811	-0.72429316	25.47800025
ZNF571:CCDS12505.1	-1.241175847	2.29245636	25.46893002
HFE:CCDS4580.1	-2.082845109	0.985032	25.43005813
CELA3A:CCDS220.1	-1.92454707	-0.059751614	25.41300066
EMCN:CCDS54782.1	-1.985081394	0.472501958	25.40098281
DMC1:CCDS13973.1	-1.208876793	0.835250032	25.40055608
SLC8A3:CCDS45131.1	-1.139894695	1.428182854	25.39475203
OR4P4:CCDS31504.1	-1.916500672	0.027816473	25.38528259
SEPT14:CCDS5519.2	-1.482651745	0.652654645	25.38360623
SLC28A3:CCDS6670.1	-1.416672621	1.453934119	25.38351431
NEUROD6:CCDS5434.1	-2.357939608	4.273818832	25.38158689
FRG2C:CCDS43108.1	-1.947533917	-0.332886094	25.37398233
CD84:CCDS53397.1	-1.883115248	0.094083415	25.37045172
CSRP3:CCDS7848.1	-2.679464366	-0.269232361	25.36781344
OR6T1:CCDS31700.1	-1.932748585	-0.440241241	25.35590703
ALDH8A1:CCDS5172.1	-1.346351501	0.847755706	25.35582677
SLC30A10:CCDS31026.1	-1.366543336	1.148904809	25.35560449
PADI3:CCDS179.1	-1.222569472	1.150133114	25.34474493
LUZP4:CCDS14567.1	-1.906755332	0.100085401	25.33130485
LMOD3:CCDS46862.1	-2.283787267	0.822007644	25.32835332
OR7G2:CCDS32897.1	-1.564261204	-0.287233117	25.32593136
VNN2:CCDS5162.1	-1.888824791	0.780444624	25.32366162
RHAG:CCDS4927.1	-1.834741822	0.632028932	25.32004802
OR4E2:CCDS41916.1	-1.880414764	-0.287154077	25.31919541
NOS1:CCDS55890.1	-1.171352423	2.682179442	25.30185149
OR2M2:CCDS31106.1	-1.932317519	-0.371043123	25.30087534
ASGR2:CCDS32544.1	-1.846759024	0.513258109	25.29594748
PRKCH:CCDS9752.1	-1.800657785	1.533377869	25.29432262
FRMPD1:CCDS6612.1	-1.415762683	2.943365305	25.29400236
SPDYA:CCDS1767.2	-1.847277787	0.440358397	25.28871039
OR14C36:CCDS31112.1	-1.924433322	-0.441880797	25.28222706
CD86:CCDS56272.1	-1.833714678	0.265895619	25.27530073
OR1Q1:CCDS35125.1	-1.946900211	-0.422199567	25.2702043
OR52K1:CCDS31352.1	-1.893501611	-0.460316488	25.26364614
CTNNA3:CCDS7269.1	-1.886648158	1.639852618	25.25002839
PRAMEF16:CCDS41259.1	-1.888927179	0.116284605	25.24686247
PNPLA1:CCDS54997.1	-1.220878726	0.870943454	25.23756261
MC2R:CCDS11869.1	-1.970857971	-0.519626132	25.23296814

TAUvsControls

SLCO1B7:CCDS44843.1	-1.833187408	0.895400946	25.21252563
ASGR2:CCDS11088.1	-1.845424485	0.450711737	25.20457053
CYP7A1:CCDS6171.1	-2.073266147	0.361164044	25.1811176
PAX9:CCDS9662.1	-1.820333333	0.346063559	25.17616269
CLIC3:CCDS7021.1	-1.865892306	-0.039340261	25.15023059
C17orf74:CCDS42255.1	-1.512675705	0.999061903	25.13941091
ITGA3:CCDS11558.1	-1.311401263	5.804908767	25.13538845
CCDC68:CCDS11959.1	-1.940493556	0.239772441	25.13531623
ZPBP2:CCDS11353.2	-1.933213649	-0.175099091	25.13406251
OR52E2:CCDS31371.1	-1.878151719	-0.493342413	25.1338612
ATOH7:CCDS7276.1	-2.353181054	1.577382111	25.13224724
SPAG11B:CCDS47774.1	-2.034280019	-0.858023318	25.11969664
RNASEH2B:CCDS9425.1	-1.076758278	2.594463356	25.10507667
CRYBB3:CCDS13830.1	-3.239594126	3.637356147	25.09324904
ATP4A:CCDS12467.1	-1.152446452	1.995053491	25.09081091
EHF:CCDS55753.1	-1.813449074	0.380687518	25.07479919
PRAMEF13:CCDS41257.1	-1.91187077	0.462007584	25.07473309
CDY1:CCDS14802.1	-1.843799274	0.246291295	25.07274555
TXNDC2:CCDS42414.1	-1.33506934	0.990353305	25.0560035
SLC2A6:CCDS6975.1	-0.996052403	3.592461907	25.04417326
CFI:CCDS34049.1	-1.625888408	3.814517429	25.04179792
PTPN20B:CCDS53534.1	-1.787227319	0.875079095	25.03374769
SERPIN3:CCDS11987.1	-1.926356127	0.220901323	25.01087637
HOXA13:CCDS5412.1	-1.808380999	0.373082774	25.00591711
OR52N5:CCDS31397.1	-1.917738475	-0.128938303	25.0024607
TEX13B:CCDS14534.1	-1.615077139	-0.54890194	25.0009999
PANX3:CCDS8447.1	-1.943114687	0.038468132	24.99101804
IL37:CCDS2105.1	-1.880463703	-0.223571398	24.99014806
ATP6V0A4:CCDS5849.1	-1.090260568	1.53234166	24.97929834
GAGE12D:CCDS48113.1	-2.054313377	-0.585849817	24.95728069
TEX11:CCDS35323.1	-0.96181411	2.340313009	24.93530862
PAGE5:CCDS14368.1	-1.934466927	-0.539758416	24.9323919
FGF20:CCDS5998.1	-1.927834125	-0.581807413	24.92786216
SLCO1C1:CCDS53758.1	-2.240706512	1.167965627	24.92534699
C17orf51:CCDS45629.1	1.925987179	1.360076672	24.9121859
OR5A1:CCDS31561.1	-1.916558129	-0.541870238	24.90602347
CHCHD2:CCDS5526.1	3.357162874	5.713511918	24.89012755
ATP13A4:CCDS3304.2	-0.901877578	2.081831192	24.88593619
MGAM:CCDS47727.1	-0.956507958	2.559010039	24.88350702
OR51F1:CCDS31359.1	-1.943937356	-0.553051315	24.8801639
ST8SIA6:CCDS31158.1	-1.73918073	0.445158304	24.85539095
HSPB6:CCDS12475.1	-1.986102767	1.190615612	24.83108726
EPAS1:CCDS1825.1	-1.146192882	3.702500774	24.82810703
VSIG2:CCDS8452.1	-1.343733188	0.30074036	24.82642317
MEST:CCDS5823.1	1.326904186	8.768928287	24.81571015
G6PC2:CCDS2230.1	-1.845314471	0.426175481	24.8128691
CHI3L2:CCDS30802.1	-1.566658547	1.020334872	24.81145863
UCP1:CCDS3753.1	-1.960916758	-0.071194169	24.81007081
CNGB3:CCDS6244.1	-1.354759795	1.48107062	24.80457798
CD101:CCDS891.1	-1.055871379	1.792687361	24.79573942
OR10H5:CCDS32940.1	-1.933097735	-0.364115322	24.78914986

TAUvsControls

IL24:CCDS1471.1	-1.974120585	-0.006934038	24.77136495
IL24:CCDS53465.1	-1.974120585	-0.006934038	24.77136495
AADACL3:CCDS41252.1	-1.942531649	-0.67677034	24.76996846
MCTP2:CCDS53976.1	-2.010483283	0.006998724	24.76019797
OR4F3:CCDS43415.1	-1.969894276	-0.607834729	24.75690403
LIPH:CCDS3272.1	-1.511408742	0.824592899	24.75134672
PDZD9:CCDS10602.2	-1.296977905	0.430203496	24.74575623
XKRX:CCDS14476.2	-1.798009345	0.18553289	24.72722155
PLSCR2:CCDS56284.1	-1.834427589	-0.198129241	24.72654031
TIMD4:CCDS54943.1	-1.840395866	0.316596409	24.72443516
PRM2:CCDS42118.1	-1.935081957	-0.670250371	24.7184765
ZSCAN4:CCDS12958.1	-1.832745154	-0.05813085	24.7002096
OR2F2:CCDS43666.1	-1.95089105	-0.560504224	24.70001981
CT47A6:CCDS35386.1	-1.868481612	-0.193437737	24.6959701
BANK1:CCDS34038.1	-1.941916743	1.500363193	24.68834908
OR51V1:CCDS31375.1	-1.876390462	-0.348478192	24.68483612
KRTAP10-4:CCDS42957.1	-1.819845223	0.02479591	24.66558173
KRTAP10-1:CCDS42954.1	-1.93667396	-0.552945222	24.65539344
FPR3:CCDS12841.1	-1.614068076	-0.501503037	24.65139951
SLC8A3:CCDS9799.1	-0.983220894	2.505341455	24.63997007
FCRLA:CCDS53417.1	-1.870192097	0.596941794	24.63878248
SLC8A3:CCDS53904.1	-0.988761395	2.535077849	24.63849964
PSMB11:CCDS41923.1	-1.93913836	-0.51439421	24.62782352
PRSS55:CCDS56523.1	-1.896406694	-0.079682094	24.62619221
CCR9:CCDS2733.1	-1.889341795	0.047908189	24.62022787
GCM1:CCDS4950.1	-1.463935399	0.349702782	24.60912765
ZP1:CCDS31572.1	-1.292934262	1.25369961	24.56945424
UGT2A3:CCDS3525.1	-1.901921416	0.511072916	24.56264704
OR2A25:CCDS43669.1	-1.884119753	-0.330793263	24.55224492
LOXHD1:CCDS45862.1	-1.257000539	0.705977131	24.54892307
KRT86:CCDS41785.1	-1.635345816	1.53945558	24.54364457
ADARB1:CCDS33590.1	-0.975290355	3.856740224	24.52107665
CD1D:CCDS1173.1	-1.894096191	0.288433181	24.50870165
OR51B6:CCDS31379.1	-1.874418129	-0.140114753	24.49675431
NEB:CCDS46424.1	-1.517120131	4.654596273	24.49368348
TNFRSF17:CCDS10552.1	-2.067415764	-0.429563506	24.490853
OR7E24:CCDS45955.1	-1.540954299	0.075934701	24.48999046
ZNF705D:CCDS43712.1	-1.929531293	-0.4717303	24.48960576
FCN1:CCDS6985.1	-1.40636494	0.712915295	24.48755318
RNLS:CCDS7388.1	-2.082299149	0.959237014	24.48465595
TMEM45B:CCDS8482.1	-1.454224636	0.273486578	24.45819644
GHSR:CCDS46959.1	-1.926265743	-0.031971239	24.45605923
GRXCR1:CCDS43225.1	-1.909878694	-0.324166108	24.44791748
OR4K15:CCDS32026.1	-1.905748358	-0.524107016	24.43847381
MEST:CCDS5822.1	1.320846271	8.803875819	24.43426401
OR2T33:CCDS31109.1	-1.879846361	-0.35950947	24.41717426
ITGA3:CCDS11557.1	-1.283207248	5.822364139	24.41623942
ADARB1:CCDS42970.1	-0.931871241	3.979650636	24.41622527
PTPN20B:CCDS41512.1	-1.840010523	0.110305285	24.4141232
ARPP21:CCDS2661.1	-1.382300761	2.87003358	24.40514235
CXorf65:CCDS35324.1	-1.572665173	-0.117291255	24.39869693

TAUvsControls

OR10K2:CCDS30896.1	-1.902845201	-0.458925327	24.3978417
KCNK16:CCDS47422.1	-1.8832878	-0.125505198	24.39549534
OR5M1:CCDS53631.1	-1.876637441	-0.473592972	24.39436432
GJA10:CCDS5025.1	-1.793156031	0.333185931	24.38663865
ELTD1:CCDS41352.1	-1.179709952	0.899954679	24.38248075
KCNH5:CCDS9756.1	-1.329775902	1.772042163	24.36717622
TSPAN8:CCDS8999.1	-1.909469511	-0.144251017	24.36164283
CIDEC:CCDS2587.1	-1.839403113	0.221122161	24.3604481
OR4D6:CCDS31562.1	-1.904521982	-0.51592732	24.3565364
CTSE:CCDS1461.1	-1.861693773	0.325938792	24.35602984
ABCA9:CCDS11681.1	-1.131267236	2.79122018	24.34408435
MAGEA6:CCDS14708.1	-1.874945851	-0.477404475	24.34237191
KCNG4:CCDS10945.1	-1.909227689	0.481023166	24.3095111
CD69:CCDS8604.1	-1.989239695	-0.540361487	24.3081695
SLC2A6:CCDS48052.1	-0.9737745	3.47082293	24.30300071
LGALS4:CCDS12521.1	-1.266860032	0.231170189	24.29961641
PAPPA2:CCDS41438.1	-1.205696334	3.371216675	24.297038
OR52N1:CCDS31398.1	-1.918693029	-0.580988763	24.29576863
SYNPR:CCDS46860.1	-1.617760851	2.323472261	24.29545029
HEATR4:CCDS9815.2	-0.918649541	1.740914614	24.28926601
SCXB:CCDS43779.1	-1.471654251	2.149177386	24.26139375
CCDC89:CCDS8270.1	-1.796719408	0.139676412	24.25163406
ADARB1:CCDS33589.1	-0.934612652	3.974378333	24.24338899
OR1N2:CCDS35123.1	-1.913342842	-0.156092862	24.24079337
C6orf58:CCDS34533.1	-1.866087395	-0.082506851	24.23279545
SLC38A4:CCDS8750.1	-2.345676744	1.414090194	24.21745741
CASP4:CCDS8327.1	-1.848037766	1.796280764	24.2121173
CSF2RA:CCDS35193.1	-1.050548057	1.483055617	24.19653165
NOS1:CCDS41842.1	-1.145896387	2.636750955	24.19104689
MNDA:CCDS1177.1	-1.850194396	0.186586113	24.18781269
HLA-DPA1:CCDS4764.1	-1.308501658	0.480081008	24.17944869
B3GNT6:CCDS53681.1	-1.903933118	0.251108461	24.17775899
CXorf36:CCDS14266.1	-1.908853003	-0.241510277	24.17446105
OR3A3:CCDS11025.1	-1.91171098	-0.282421706	24.16909317
DMBT1:CCDS44491.1	-1.622823419	3.27805503	24.16734821
LYPD4:CCDS12587.1	-2.362241098	0.988572521	24.16067108
SPAG11A:CCDS43700.1	-2.08656039	-0.96564696	24.15291338
ABCB4:CCDS5606.1	-1.073620349	2.212088999	24.15061803
C4BPB:CCDS1476.1	-1.873903496	-0.056615333	24.14831475
PMP2:CCDS6229.1	-2.03408077	-0.311756177	24.14225209
SLC26A9:CCDS30990.1	-0.997968839	1.48983799	24.13343872
C4BPB:CCDS31005.1	-1.875264103	-0.060613875	24.12775679
HIST1H4E:CCDS4593.1	2.21326959	2.811853794	24.12189525
KRT23:CCDS11380.1	-1.292510601	0.872007119	24.11462991
FLT1:CCDS9330.1	-1.151070306	2.761104825	24.10723429
APOBEC3A:CCDS13981.1	-1.982466993	-0.511927316	24.10117706
IGSF1:CCDS14630.1	-1.32101049	0.647887462	24.09721504
KIR2DL1:CCDS12904.1	-1.795520176	1.069422044	24.09643843
PRR23B:CCDS33868.1	-1.884053298	-0.27789642	24.0829913
ZNF625:CCDS12269.2	0.909711265	2.420295647	24.06129913
L1TD1:CCDS619.1	-1.162268547	1.17533451	24.06085944

TAUvsControls

SLC8A3:CCDS41967.1	-1.141534028	1.210708495	24.05535114
CCL5:CCDS11300.1	-2.006628612	-0.673214908	24.05430455
OR52K2:CCDS31351.1	-1.887752726	-0.462898101	24.05189741
OR8D4:CCDS31698.1	-1.943512537	-0.567603916	24.0501462
C3orf20:CCDS54555.1	-1.123723075	1.207823409	24.03035468
ABCB4:CCDS5605.1	-1.074079441	2.201268641	24.02965889
TMEM61:CCDS601.1	-1.92200309	-0.503359184	24.02068572
DCAF4L1:CCDS33978.1	-1.923015227	-0.204178811	24.01853153
OR6F1:CCDS31095.1	-1.97312923	-0.543179638	24.01760104
PROZ:CCDS9531.1	-1.354739757	0.355898091	24.00729138
TAS2R39:CCDS47729.1	-1.996340763	-0.461255242	24.00377734
HYAL4:CCDS5789.1	-1.842340238	-0.045102517	23.99825355
MMP13:CCDS8324.1	-1.898233459	0.692158326	23.99430663
HAUS4:CCDS53886.1	0.821071706	4.208521581	23.99127818
WIPF3:CCDS56472.1	-1.129736559	3.151560057	23.99063676
CCDC42:CCDS11145.1	-1.441732112	0.266297256	23.98574773
PTAFR:CCDS318.1	-1.835878639	0.051941775	23.98319647
OR13C2:CCDS35092.1	-1.991140522	-0.695887363	23.97944007
SPATA22:CCDS54066.1	-1.84580174	0.339573039	23.97516942
DPYS:CCDS6302.1	-1.501544554	0.891199165	23.97449864
SLCO1C1:CCDS53759.1	-2.201032875	1.009970677	23.96956459
SLC8A3:CCDS35498.1	-0.974455317	2.555489141	23.96620708
ILDRL:CCDS56270.1	-1.944338087	0.482034346	23.95563709
KLK1:CCDS12804.1	-1.474606094	0.169025595	23.95539148
KNG1:CCDS3281.1	-1.728427457	0.646226352	23.95110738
HSFY2:CCDS14791.1	-1.852575686	-0.001837926	23.9494729
CRP:CCDS30911.1	-1.925129826	-0.333684487	23.94910086
LEFTY2:CCDS53479.1	-1.663477898	0.638050592	23.94850885
POTEG:CCDS32018.1	-1.848668828	0.842712463	23.94693906
CD40:CCDS13393.1	-1.096499022	1.138162964	23.93794058
SLC37A2:CCDS31714.1	-1.154443059	1.228783472	23.93698996
PIP5K1B:CCDS6624.1	-0.966583004	2.217608875	23.93506911
DDX60L:CCDS47161.1	-1.366314809	2.906840004	23.91537395
MMP20:CCDS8318.1	-1.749422604	0.45287628	23.91392403
IL18R1:CCDS2060.1	-1.697245344	1.026723517	23.90047984
C21orf62:CCDS42919.2	-1.136970273	0.400078173	23.89512622
REG4:CCDS906.1	-1.922674253	-0.383212398	23.89076993
CLEC12B:CCDS8610.1	-1.934441447	-0.522545443	23.8850328
GSG1:CCDS55808.1	-1.049842531	1.830032274	23.87829711
OR8J3:CCDS31520.1	-1.898699827	-0.635336183	23.87354876
COX6A2:CCDS10712.1	-3.049136522	0.133242744	23.8717323
ASB5:CCDS3827.1	-2.130842452	0.183951709	23.8686435
TRIM54:CCDS1745.2	-2.133698696	0.677327762	23.86833787
CT47B1:CCDS48161.1	-1.515470384	-0.310418408	23.86656864
OR6B3:CCDS42837.1	-1.844600093	-0.335964322	23.86494914
CXorf48:CCDS14647.1	-1.833013212	-0.321826739	23.8583627
FBXW12:CCDS54578.1	-1.432296731	0.691537765	23.85819014
MS4A2:CCDS7980.1	-1.874701985	-0.457925907	23.8577771
HOXC11:CCDS8867.1	-2.213377506	0.111650983	23.85150425
GPR110:CCDS4920.1	-1.922500957	-0.062407042	23.84285809
TMEM132E:CCDS11283.1	-1.045823388	3.686301093	23.84014874

TAUvsControls

F8:CCDS35457.1	-1.005929571	3.000443853	23.83441161
CRISP3:CCDS4929.2	-1.86662853	-0.039855013	23.82763618
CD200R1:CCDS2969.1	-1.779553836	0.196467586	23.82621505
APCDD1L:CCDS13467.1	-1.295173441	0.348847265	23.82315437
IL1RL1:CCDS2058.1	-1.768088625	0.31347278	23.81994374
TACSTD2:CCDS609.1	-1.988603926	-0.3824726	23.81184059
KLHL34:CCDS14199.1	-1.316920893	0.780008332	23.81033059
L3MBTL4:CCDS11839.2	-1.162316163	1.444862652	23.80533588
EPHX2:CCDS6060.1	1.012162502	4.752161602	23.79285658
CD1E:CCDS41421.1	-1.817216943	0.645239195	23.79138048
LRG1:CCDS12130.1	-1.8763265	-0.088976273	23.77907575
KRTAP10-12:CCDS42967.1	-1.883269949	-0.624102484	23.77118904
SPDYE4:CCDS45609.1	-1.86278093	-0.168578782	23.7706458
APOA4:CCDS31681.1	-1.914898587	0.22736138	23.76970947
SLC8A3:CCDS9800.1	-0.960154782	2.490760008	23.75937324
CD28:CCDS2361.1	-1.897946293	-0.25154489	23.75341644
CTLA4:CCDS42803.1	-1.964289942	-0.811614019	23.73821534
BTNL8:CCDS54959.1	-1.857426555	0.041073697	23.72215348
FGF5:CCDS3586.1	-1.930711862	-0.590721168	23.7194121
SERPINA9:CCDS41983.1	-1.825117334	0.0162116	23.7008243
F3:CCDS53345.1	-1.032624952	1.438681858	23.69000205
HAVCR1:CCDS43392.1	-1.780889702	0.320444942	23.68833475
FGL1:CCDS6004.1	-1.809747579	0.067911923	23.68294155
OR4D5:CCDS31699.1	-1.946898438	-0.621759963	23.67463965
POTEM:CCDS45076.1	-1.848289508	0.807781105	23.66652163
OR2J2:CCDS43434.1	-1.841465516	-0.357059165	23.66599906
EPHX3:CCDS12327.1	-1.458472702	0.379496564	23.66269478
ATP10B:CCDS43394.1	-1.750592907	2.261191606	23.65997901
NEB:CCDS54408.1	-1.466892041	5.001262264	23.64790854
UGT3A2:CCDS3914.1	-1.247579894	0.790458077	23.64433846
NCF2:CCDS53446.1	-1.267342536	1.071382504	23.63801953
CYP19A1:CCDS10139.1	-1.791127268	0.82930442	23.63735652
FATE1:CCDS14700.1	-1.948914288	-0.670202244	23.62486672
CASP14:CCDS12323.1	-1.920444127	-0.451056279	23.61777925
CSH2:CCDS42368.1	-2.054582204	-0.703270153	23.61574549
LCN8:CCDS35183.1	-1.898380443	-0.631681581	23.61428509
LGR5:CCDS9000.1	-1.178411362	3.052078406	23.61286073
LEMD1:CCDS55678.1	-1.079920389	2.254302207	23.61205484
PRR23A:CCDS46923.1	-1.863977934	-0.382404474	23.60890524
ARHGEF38:CCDS3670.1	-1.855720068	-0.446574724	23.59918916
PRSS55:CCDS5976.1	-1.82555867	0.11423039	23.59465326
OR2T8:CCDS31100.1	-1.883844147	-0.344676194	23.57519601
LYZL1:CCDS31174.1	-1.903570542	-0.61386897	23.56822027
PRPS1L1:CCDS47552.1	-1.505025444	-0.193117692	23.56087963
ASB4:CCDS5641.1	-1.85279178	0.259559545	23.56038925
CYP2C19:CCDS7436.1	-1.803247021	0.446383663	23.55295914
AVP:CCDS13045.1	-1.95274356	-0.771126743	23.54831003
EVPLL:CCDS45626.1	-1.77864845	0.418041954	23.54013999
FAM9B:CCDS14132.1	-1.918554846	-0.113329588	23.52013788
VGLL2:CCDS5115.1	-2.635930298	0.324100925	23.50688786
CUZD1:CCDS7631.1	-1.51122159	1.076287599	23.50599506

TAUvsControls

TPSD1:CCDS10432.1	-1.899445982	-0.378663765	23.50479959
DMP1:CCDS3623.1	-1.342773095	0.988972436	23.46801082
OR1L3:CCDS35128.1	-1.826172443	-0.413027883	23.4626989
HSD3B2:CCDS902.1	-1.880873278	-0.231409336	23.45599268
TAC4:CCDS42358.1	-1.91095061	-0.672648877	23.45533039
PRDM1:CCDS5054.2	-1.315467269	1.961995536	23.45458564
ARHGAP27:CCDS32670.1	-1.491624377	-0.460234952	23.45234518
P2RY10:CCDS14442.1	-1.869900507	-0.136273941	23.43749608
ALOX15B:CCDS32559.1	-1.098654905	1.020444764	23.430443
METTL21C:CCDS32003.1	-1.980091164	-0.657088461	23.42314972
MMRN2:CCDS7379.1	-1.029865323	1.561597688	23.42085239
C10orf91:CCDS7668.1	-1.925098312	-0.580059253	23.41141127
PTPN20B:CCDS53535.1	-1.776271281	0.833669294	23.41130157
HNMT:CCDS33296.1	-1.379041984	-0.123332952	23.41008802
C7orf33:CCDS5890.1	-2.592076399	0.002133227	23.40675583
DIO1:CCDS53320.1	-2.298316383	-0.25424093	23.38973253
ZNF80:CCDS2979.1	-1.712209841	-0.200970425	23.38933199
OR10Z1:CCDS30901.1	-1.917581603	-0.533118216	23.38817907
GABRA6:CCDS4356.1	-1.819020326	0.332340503	23.38662836
WBP2NL:CCDS14029.1	-1.527229481	-0.226246558	23.37234008
CYSLTR2:CCDS9412.1	-1.858017518	-0.229128603	23.36637953
TPTE:CCDS33512.1	-1.28980421	1.68921956	23.36552445
CD48:CCDS1208.1	-1.815246703	-0.217138432	23.36282554
CD109:CCDS55038.1	-1.758974725	3.053315074	23.36247213
VSX2:CCDS9827.1	-1.918896207	3.464312563	23.35831413
CD109:CCDS4982.1	-1.754259851	3.066099569	23.3533222
GPR15:CCDS2931.1	-1.928294477	-0.144256082	23.34664076
LRRC2:CCDS2741.1	-1.430610424	0.377366668	23.34211704
HFE:CCDS54975.1	-2.029363049	0.891566437	23.32306945
CRISP1:CCDS4931.1	-1.824232255	0.258403975	23.32111954
UGT3A2:CCDS54842.1	-1.262418385	0.698552448	23.31684929
FCRLA:CCDS53419.1	-1.842564041	0.299336634	23.31022936
MAGEB3:CCDS14220.1	-1.863879304	-0.279086994	23.30542137
ADAM33:CCDS13058.1	-1.5418247	2.549137387	23.29389724
SLC25A48:CCDS43366.2	-1.655279943	-0.303059914	23.29032695
IFNW1:CCDS6496.1	-1.883847271	-0.724001804	23.2867057
TSPY3:CCDS48204.1	-1.847968895	1.228171982	23.28455643
KNG1:CCDS54695.1	-1.730476702	0.438376052	23.27575004
KRT18:CCDS31809.1	-1.521570243	6.011476158	23.27178584
CACNA1S:CCDS1407.1	-1.81237419	2.971477244	23.26420145
GPR25:CCDS1405.1	-1.519415442	0.195777633	23.25820276
OR6V1:CCDS47728.1	-1.88418088	-0.502318514	23.25785198
PDE2A:CCDS8216.1	-1.188732961	4.524290693	23.25272819
FCRLA:CCDS53416.1	-1.856440951	0.642789798	23.24972329
CCR1:CCDS2737.1	-1.840628294	-0.314492025	23.24127014
BANK1:CCDS47116.1	-1.904290882	1.452642939	23.23833754
C3orf20:CCDS33706.1	-1.048037917	1.42498932	23.22956241
OR2H1:CCDS4660.1	-1.805632516	-0.179018356	23.22916838
NLRP6:CCDS7693.1	-1.054072545	1.421917586	23.22029265
OR1A2:CCDS11021.1	-1.936053246	-0.7210355	23.21041495
POU1F1:CCDS46873.1	-1.782583892	0.165805874	23.19722551

TAUvsControls

CASP4:CCDS41704.1	-1.803837952	1.632453789	23.18786527
EPHA1:CCDS5884.1	-1.417581578	1.914401494	23.18107383
GDA:CCDS56577.1	-1.953392272	0.673354328	23.18044653
OR5B17:CCDS31548.1	-1.883768614	-0.498763702	23.17465043
PRLR:CCDS56360.1	-1.314316062	0.694652769	23.17320891
OR2K2:CCDS6778.1	-1.910082432	0.182362436	23.15832369
OXTR:CCDS2570.1	-1.202025001	0.502573745	23.15328691
ISL1:CCDS43314.1	-1.448746504	3.192538434	23.14596108
FCGR3A:CCDS44265.1	-1.79356017	0.197930729	23.1452717
SERPINC1:CCDS1313.1	-1.842552401	0.469652827	23.13518225
LAX1:CCDS44297.1	-1.45362936	0.127830034	23.12670538
OR10P1:CCDS31828.1	-1.860612637	-0.283824082	23.12654874
CCR4:CCDS2656.1	-1.79952391	-0.207385207	23.12334607
TMC5:CCDS42126.1	-1.079579746	1.858729754	23.12232078
BANK1:CCDS47115.1	-1.911693828	1.303443138	23.11585147
OR4S2:CCDS31505.1	-1.850299331	-0.457980691	23.10712917
SOCS3:CCDS11756.1	-1.114097732	1.956347646	23.10575382
GFRAL:CCDS4957.1	-1.765837674	0.14706282	23.10158593
C1orf172:CCDS293.1	-2.057410712	0.816163884	23.09705647
OR4K17:CCDS32030.1	-1.796533657	-0.252893932	23.08666237
MS4A7:CCDS7986.1	-1.856524218	-0.178944468	23.0797002
LCK:CCDS359.1	-1.092833279	0.783160141	23.0787937
LY6H:CCDS6396.1	1.76759079	4.491718449	23.07638881
OR56B1:CCDS31395.1	-1.994952025	-0.508110098	23.07059904
CD109:CCDS55039.1	-1.759737322	3.025209128	23.06959703
NWD1:CCDS32945.2	-0.917945511	2.286959684	23.06751352
GABRA4:CCDS3473.1	-1.999001021	0.971608981	23.04823976
CT47A7:CCDS35385.1	-1.847914248	-0.322420772	23.04052726
CLDN14:CCDS13645.1	-1.891398985	-0.712403885	23.03735345
TMEM215:CCDS6530.1	-1.960381851	-0.705020702	23.03654397
GAGE2D:CCDS43941.1	-1.516039624	0.046394968	23.03498238
IGLON5:CCDS46158.1	-1.027922946	4.921279369	23.02825566
OPALIN:CCDS7448.1	-1.971911309	-0.094284707	23.0236002
GSG1:CCDS44835.1	-1.039154217	1.899941068	23.01313964
SLC37A2:CCDS44757.1	-1.149479735	1.195805412	23.01235707
BLNK:CCDS7446.1	-1.142791658	1.578111707	23.00821193
PDE2A:CCDS44670.1	-1.182249454	4.506407063	23.00785232
CHMP3:CCDS54375.1	0.956688285	4.487959786	23.00783638
GPR62:CCDS2838.1	-1.930432918	-0.021662766	23.00590988
SLC22A13:CCDS2676.1	-1.376155277	0.935106602	23.00408287
PDE2A:CCDS53678.1	-1.181192943	4.508864044	23.00136702
ADCY4:CCDS9627.1	-1.19865077	2.070026459	22.9987004
DIO1:CCDS41340.1	-2.164637872	-0.333979766	22.99753606
CCR8:CCDS2684.1	-1.875734767	-0.200549351	22.99657725
LAX1:CCDS1441.2	-1.464133456	0.189861041	22.98409622
CT45A2:CCDS44002.1	-1.95654187	-0.389088451	22.97712014
CYP1A1:CCDS10268.1	-1.498316197	1.311449524	22.95261336
LDLRAD2:CCDS30624.1	-1.939730319	-0.090933958	22.95001009
MESP2:CCDS42078.1	-1.159704021	0.310033453	22.94904646
CCDC73:CCDS41630.1	-1.008840247	2.040345698	22.94847869
SLC35G5:CCDS5980.1	-1.792348607	0.588793179	22.92217194

TAUvsControls

LEMD1:CCDS55677.1	-1.07368932	1.62348711	22.91356492
ABCB4:CCDS5607.1	-1.050817321	2.15734801	22.91333976
OR5T2:CCDS31523.1	-1.824107135	-0.310713812	22.90077695
IGFBP7:CCDS3512.1	-1.738583921	5.454553302	22.89517509
C4orf51:CCDS47140.1	-1.866630785	-0.419976282	22.89355393
FCGR3A:CCDS1232.1	-1.787213554	0.206599125	22.8902642
MB21D2:CCDS3302.2	-0.90198031	3.096084946	22.88854725
PGR:CCDS8310.1	-1.047883239	1.417719421	22.84331693
HLA-DQA1:CCDS4752.1	-1.887124903	0.245329443	22.84298638
STYK1:CCDS8629.1	-1.84113715	0.484130617	22.84126282
OR8B12:CCDS31711.1	-1.865418009	-0.581833055	22.83944474
TRPV6:CCDS5874.1	-1.068144835	1.296383458	22.83006898
MRO:CCDS11947.1	-1.502901712	0.108393965	22.827665
TAS1R1:CCDS82.1	-1.383820074	0.676761172	22.81279972
ATP8B1:CCDS11965.1	-1.141480393	2.709847529	22.80802783
HOXD9:CCDS2267.2	-1.599169109	1.04393601	22.80169538
SSX5:CCDS14289.1	-1.8626537	-0.252464275	22.79529973
OR5F1:CCDS31515.1	-1.806611124	-0.184928015	22.79310296
DYNLT3:CCDS14243.1	-1.212269698	0.917270212	22.79115505
MPZL2:CCDS8393.1	-1.993812108	-0.088346398	22.7868696
CCR5:CCDS2739.1	-1.872232445	-0.462799032	22.78132319
SLC10A2:CCDS9506.1	-1.926153478	-0.088047226	22.78080802
RBP3:CCDS7218.1	-2.304009075	2.602887577	22.77577911
FDCSP:CCDS3537.1	-2.27969698	-0.672151984	22.77094675
ITGAX:CCDS10711.1	-1.054904641	2.02917604	22.77016571
KCNG3:CCDS1809.1	-1.29347158	0.263021759	22.74938298
HSPB3:CCDS3961.1	-2.601961596	-0.46798504	22.74902601
LEFTY2:CCDS1549.1	-1.630896415	0.649416981	22.73814368
KLHL38:CCDS43766.1	-1.952965162	0.552100072	22.7366356
KDM5D:CCDS55555.1	-1.851584715	3.489268658	22.7313709
SLFN12L:CCDS56026.1	-1.76555909	0.437160452	22.72774672
NFATC2:CCDS13437.1	-1.069162214	1.68651937	22.71281752
OR52D1:CCDS31384.1	-1.842188382	-0.346143032	22.71224476
OR5M10:CCDS53630.1	-1.826916569	-0.476461859	22.71154087
GOLT1A:CCDS1443.1	-1.545469967	-0.54136572	22.71002018
NOG:CCDS11589.1	-1.067760682	0.585937504	22.70955215
FFAR1:CCDS12458.1	-1.828305436	-0.402270263	22.7085596
FUT7:CCDS7022.1	-1.304815009	-0.140383619	22.7024864
OR2J3:CCDS43433.1	-1.862778237	-0.405497196	22.70177615
OR51G1:CCDS31366.1	-1.901342103	-0.115622982	22.69474001
CES5A:CCDS10755.1	-1.293747493	1.078677693	22.69259086
RTP4:CCDS33910.1	-1.872395595	-0.635550596	22.6916379
SYK:CCDS6688.1	-1.955242984	1.16119326	22.68326543
GSDMA:CCDS45669.1	-1.099683355	0.91963165	22.68143363
SLC30A8:CCDS6322.1	-1.837132113	0.2063761	22.67907584
STX11:CCDS5205.1	-1.564614804	0.097656537	22.67144326
TRPM2:CCDS13710.1	-1.583222538	2.737313008	22.67021506
TPH2:CCDS31859.1	-1.381865154	0.87680475	22.66142053
FAM71A:CCDS1507.1	-1.204454534	0.441695691	22.65228385
C8orf74:CCDS47800.1	-1.771897581	0.460097153	22.64015127
DPPA2:CCDS2956.1	-1.826816217	-0.149369577	22.62609602

TAUvsControls

OR5T1:CCDS31525.1	-1.845306076	-0.506916159	22.62037208
CHRNA6:CCDS56536.1	-1.172408714	1.973250746	22.61917851
HSD3B1:CCDS903.1	-1.582966423	0.793987089	22.61637004
OR13C4:CCDS35088.1	-1.911542955	-0.655222331	22.60170611
TBL1Y:CCDS14779.1	-1.258247333	1.319591835	22.5955031
IL5:CCDS4156.1	-2.211992723	0.149999732	22.59157156
CLRN3:CCDS7656.1	-1.829345231	-0.487759656	22.56965933
COL4A3:CCDS42829.1	-1.625473413	2.9651433	22.5619374
OLR1:CCDS53746.1	-1.862493475	0.478026106	22.5474055
OR4D1:CCDS42365.1	-1.814678148	-0.480283768	22.54286523
POTEH:CCDS46658.1	-1.839117634	0.847619422	22.53611259
NKX2-8:CCDS9660.1	-1.996230067	-0.429885478	22.52901378
FIGLA:CCDS46320.1	-1.84655768	-0.431640606	22.51949135
STEAP4:CCDS56494.1	-1.802081373	0.096140725	22.51811047
SDS:CCDS9169.1	-1.208846313	-0.022176223	22.51768155
PTPN20B:CCDS7221.1	-1.74796433	0.88512071	22.51598764
C3orf43:CCDS43192.1	-1.86666283	-0.524847683	22.50743269
HCK:CCDS54453.1	-1.14455852	1.172202481	22.50163013
ACCSL:CCDS41636.1	-1.736898342	0.87818221	22.48594159
LIPJ:CCDS31240.1	-1.725836843	0.346238852	22.48113749
PRDM1:CCDS34505.1	-1.27447661	1.758821223	22.46708315
OR2B2:CCDS4641.1	-1.865957756	-0.34895388	22.46496125
TRIM49:CCDS8287.1	-1.264684758	0.290230276	22.45560136
KLK6:CCDS42599.1	-2.229067108	-0.339929292	22.4552086
TSPY2:CCDS35465.1	-1.813211792	-0.074208794	22.45053114
KCNK16:CCDS4843.1	-1.871615491	-0.106169555	22.44837751
KIR3DL2:CCDS12906.1	-1.746943389	0.671285429	22.4453366
LILRA5:CCDS46178.1	-1.863912712	-0.050220722	22.44520116
LRRC10:CCDS31856.1	-1.869299037	-0.652129765	22.43869976
SOX18:CCDS13552.1	-1.319137036	0.393076843	22.43605978
ALOX15B:CCDS32558.1	-1.093791459	1.196048035	22.43078287
TREML1:CCDS4851.1	-1.466599408	0.489158478	22.42640968
IL4:CCDS4158.1	-1.985460496	-0.654608123	22.4174631
PTPN20B:CCDS41516.1	-1.783470549	-0.052727744	22.4166631
HAO2:CCDS901.1	-1.797193022	0.02129112	22.40676607
ITGAL:CCDS32433.1	-0.981542663	2.287724645	22.39837762
HOXC13:CCDS8865.1	-1.572315265	-0.061852867	22.38492907
OR4Q3:CCDS32020.1	-1.852841852	-0.596213016	22.36806469
TMC5:CCDS45431.1	-1.041721061	1.934928282	22.36790199
MAGEA9B:CCDS35423.1	-1.907145339	-0.522566665	22.36323758
C17orf82:CCDS11628.1	-1.510296688	-0.518997546	22.35911141
CD300C:CCDS11701.1	-1.915610706	-0.689926568	22.34925725
CD1E:CCDS53390.1	-1.903436641	0.321281632	22.34782804
TMEM233:CCDS44995.1	-1.968289733	-0.53046667	22.32781018
CPXCR1:CCDS14458.1	-1.870361939	-0.474506601	22.2989838
ATP1B4:CCDS48158.1	-1.812698184	0.482595304	22.29528042
RNF133:CCDS5784.1	-1.291334685	0.134777156	22.29018822
SERPINA11:CCDS32149.1	-1.754764812	0.138747027	22.28607389
HCK:CCDS33460.1	-1.139118148	1.174713168	22.28267863
DIO1:CCDS30722.1	-2.184974266	-0.250185547	22.26324615
OR1J2:CCDS35121.1	-1.787904913	-0.414476794	22.25994084

TAUvsControls

HOXD10:CCDS2266.1	-2.640720079	0.355344629	22.25426431
OR2A14:CCDS43672.1	-1.839464428	-0.458888954	22.25174151
OR2AE1:CCDS34696.1	-1.80504886	-0.089733407	22.2476818
C17orf64:CCDS32698.2	-1.309062728	-0.159259999	22.23179641
OR2H2:CCDS34365.1	-1.815910018	-0.251613637	22.2273207
TSSK1B:CCDS4112.1	-1.859055841	-0.027415534	22.22038322
RRH:CCDS3687.1	-1.797226748	0.171971517	22.21694345
TRIM38:CCDS4568.1	-1.694564473	1.322443292	22.21642809
PLA2G2A:CCDS201.1	-2.24858479	0.094405343	22.19529612
ZNF630:CCDS35237.2	-1.110653556	1.003263374	22.19186224
CRYGC:CCDS2379.1	-2.320803889	3.20357411	22.18573333
SERPINA6:CCDS9924.1	-1.795876061	-0.046908931	22.18426111
ZNF630:CCDS55409.1	-1.115704765	0.977669568	22.17890953
CD86:CCDS56273.1	-1.777576816	0.164959196	22.17353528
CDX2:CCDS9328.1	-1.761896281	-0.126316847	22.17097382
BHMT2:CCDS4045.1	-1.406575851	0.546858381	22.16818092
ARHGEF5:CCDS34771.1	-1.378894705	2.827479583	22.16773998
FOXA2:CCDS46585.1	-1.33020654	0.319094862	22.16228635
AKAP12:CCDS5230.1	1.049020089	6.905299696	22.15637695
GUCA1C:CCDS2954.1	-1.911372167	-0.420641573	22.15623983
TREML2:CCDS4853.2	-1.810012306	-0.179893859	22.15492858
PMFBP1:CCDS32483.1	-0.961325901	2.10593578	22.1426917
CRISP2:CCDS4928.1	-1.852112155	-0.396438413	22.13635575
TNK1:CCDS45602.1	-0.946883668	1.642637834	22.1225055
MLKL:CCDS45528.1	-1.796740076	-0.080845923	22.12023284
ATP1B4:CCDS14598.1	-1.803507132	0.432519946	22.11163994
GPA33:CCDS1258.1	-1.323896121	0.442989138	22.09891583
CNGB1:CCDS45495.1	-1.344437228	0.635391063	22.09340544
SDR9C7:CCDS8926.1	-1.847237463	-0.253536002	22.09331278
IL19:CCDS1468.1	-1.836889082	-0.371623764	22.0927445
INADL:CCDS617.2	-0.789692493	3.855842198	22.08823131
NKX2-5:CCDS54949.1	-1.846320913	-0.670804386	22.08536494
KERA:CCDS9037.1	-1.817444246	-0.433851772	22.07838503
TAS2R9:CCDS8633.1	-1.931525132	-0.532846514	22.0767596
TMEM202:CCDS32287.1	-1.935749966	-0.074239763	22.07479215
SNX20:CCDS10745.1	-2.002096457	-0.170105389	22.06433437
PPARG:CCDS2609.1	-1.334648562	1.040400877	22.06329219
OR9K2:CCDS31814.1	-1.875600151	-0.602561943	22.0490258
ASB4:CCDS5642.1	-1.808565631	-0.088566111	22.04182634
OR10H4:CCDS32941.1	-1.820982329	-0.412720851	22.04088264
ITGAL:CCDS45461.1	-0.969521529	2.147735104	22.03447343
EOMES:CCDS2646.1	-1.686179255	3.141235993	22.02753882
JPH1:CCDS6217.1	-1.137513215	1.399292998	22.02603338
KRT83:CCDS8823.1	-1.499167685	1.207793051	22.02379297
PNPLA1:CCDS47416.1	-1.148867365	0.658937148	22.0222012
DLX1:CCDS2247.2	-1.662123803	2.172636928	22.02086986
CUBN:CCDS7113.1	-0.908438512	3.681038292	22.01645144
NPBWR1:CCDS6151.1	-1.813050127	-0.216991523	22.01549507
SLAMF8:CCDS1188.1	-1.219349211	0.072731915	22.01261017
FEZF1:CCDS34741.2	-1.526899707	2.057115343	22.01189726
HOXD4:CCDS2269.1	-2.405811905	0.963875178	22.01029369

TAUvsControls

CCDC64B:CCDS45393.1	-1.42828535	1.047955611	21.99771547
SYK:CCDS47992.1	-1.938467686	1.080542113	21.99400087
MYBPC2:CCDS46152.1	-1.386017026	2.556641588	21.99381769
KRTAP10-6:CCDS42959.1	-1.369045666	0.030325797	21.992079
OR2A42:CCDS56515.1	-1.724018975	0.237103382	21.98496985
MRGPRG:CCDS44520.1	-1.756262238	-0.156551563	21.98155559
UGT2A1:CCDS3529.1	-1.838177123	0.575305288	21.9784655
DLX1:CCDS33328.1	-1.698375515	1.335487675	21.97595996
OR4A16:CCDS31499.1	-1.830008492	-0.540423682	21.9743005
GJA5:CCDS929.1	-1.244924982	0.093190769	21.95534107
GJB7:CCDS5008.1	-1.947904189	-0.665975779	21.95374962
DUXA:CCDS33126.1	-1.905579767	-0.645003244	21.94881339
ABHD12B:CCDS55916.1	-1.120794009	0.919739666	21.93299854
ZDHC23:CCDS33827.1	-1.91428397	0.60638598	21.92411631
ACOXL:CCDS46389.1	-1.055211384	0.937583627	21.91695582
OR6C76:CCDS31823.1	-1.869969503	-0.130711075	21.91543475
HCK:CCDS54456.1	-1.139869668	1.087932347	21.9150783
KLHL14:CCDS32813.1	-1.268966692	2.122678021	21.91274656
C15orf32:CCDS10373.1	-1.940622144	-0.798075772	21.9098912
USHBP1:CCDS12353.1	-1.013600384	1.160517511	21.90181364
OR2AK2:CCDS31102.1	-1.844826436	-0.210339878	21.89765109
OR6C70:CCDS31825.1	-1.777519114	-0.238994625	21.89477664
SLC7A9:CCDS12425.1	-1.085145327	0.703826001	21.8781382
NLGN4Y:CCDS56619.1	-0.995641219	3.571031824	21.86710932
TEX33:CCDS13937.1	-1.826251736	-0.257881234	21.86449075
PTGS1:CCDS6843.1	-1.043952951	1.871667045	21.86394478
SPATA22:CCDS11027.1	-1.816627182	0.707808086	21.85974206
CCND2:CCDS8524.1	1.061675022	4.962310232	21.82985767
CACNA1D:CCDS2872.1	-1.0499409	3.623674542	21.82784163
ARRDC3:CCDS34202.1	1.206877579	5.211030506	21.82158756
CLEC1B:CCDS41752.1	-1.745934681	-0.108625568	21.81998364
OR52W1:CCDS31407.1	-1.856929253	-0.738202988	21.81408856
CTLA4:CCDS2362.1	-1.880583081	-0.500914714	21.8113718
FABP1:CCDS2001.1	-1.604247903	-0.675678923	21.80676962
OR51A2:CCDS31368.1	-1.895739666	-0.597001465	21.7970011
PSMB9:CCDS4759.1	-1.473566373	1.006966881	21.7928486
SLC35F2:CCDS41709.1	-1.345471974	1.210230904	21.79231277
OR5D18:CCDS31510.1	-1.824713881	-0.488985074	21.79012932
CXCR1:CCDS2409.1	-1.773692538	-0.265038698	21.75676038
CALML6:CCDS30566.1	-1.406466898	-0.286681308	21.75481224
HCK:CCDS54455.1	-1.133739264	1.090584323	21.74800682
PRODH2:CCDS12478.1	-1.102776692	0.583308565	21.73359568
CACNA1D:CCDS46849.1	-1.041014147	3.55962517	21.73286088
PADI4:CCDS180.1	-1.082816694	1.142039651	21.72297357
MAGEA8:CCDS14692.1	-1.815379261	-0.050699628	21.72105083
LY6H:CCDS47926.1	1.675668827	4.525516035	21.70296247
GC:CCDS56332.1	-1.765180387	1.32738069	21.69962757
AKAP12:CCDS5229.1	1.038169108	6.930026545	21.68389716
FCAR:CCDS12907.1	-1.707363988	0.622801531	21.67947989
SH3GL2:CCDS6483.1	-1.117939175	3.647770279	21.67843597
CFB:CCDS4729.1	-1.273402852	2.444056794	21.67194192

TAUvsControls

NR1I2:CCDS2995.1	-1.379179231	0.676030595	21.67109392
THEMIS:CCDS55055.1	-1.160898831	0.866492187	21.62158528
CACNA1D:CCDS46848.1	-1.049849252	3.598729687	21.6132964
WBCSR28:CCDS43597.1	-1.407460521	-0.269661054	21.60592091
C1orf186:CCDS30995.1	-1.899895246	-0.681869985	21.6006817
OR2T12:CCDS31110.1	-1.829224319	-0.450302201	21.59997829
OR52M1:CCDS31353.1	-1.803151612	-0.436022549	21.5946593
HCK:CCDS54454.1	-1.118075632	1.156867504	21.57325127
SERPINB4:CCDS11986.1	-1.797427516	0.247846429	21.56204247
P2RY13:CCDS3158.2	-1.773818856	0.039051176	21.55804175
RFX8:CCDS46376.1	-1.692006612	0.96968493	21.5568611
LRIT2:CCDS31234.1	-1.090749609	0.525015106	21.54645132
OR51A4:CCDS31367.1	-1.922068676	-0.602392624	21.54031638
OR4N2:CCDS32022.1	-1.856298156	-0.435417989	21.53865341
LRRTM3:CCDS7270.1	-1.051640159	1.66911154	21.53315635
ATXN3L:CCDS48080.1	-1.767692275	-0.215509003	21.53120394
IZUMO1:CCDS12732.1	-1.495823149	0.2791092	21.53027888
PRG3:CCDS7954.1	-1.778055686	-0.280185733	21.52989885
CFHR4:CCDS41451.1	-1.786796314	0.60211998	21.51091555
FOXG1:CCDS9636.1	-1.959156417	4.548351311	21.50608936
VIT:CCDS54348.1	-1.891857188	1.483130142	21.50257572
SSX1:CCDS14290.1	-1.952064105	-0.217644861	21.49273391
HOXA4:CCDS5405.1	-2.405298375	2.084391541	21.49105118
ZDHHC21:CCDS6475.1	-0.877754474	1.321218812	21.48400146
OR1K1:CCDS35132.1	-1.759782272	-0.233489292	21.48270008
KLK8:CCDS12814.1	-1.603101475	0.024284238	21.48144491
DAPP1:CCDS47112.1	-1.711940386	0.329345673	21.48073304
CD1E:CCDS41420.1	-1.896579345	0.253692593	21.46957761
ACOT4:CCDS9817.1	-1.487367145	0.2894074	21.46927326
FAM71F1:CCDS5804.1	-1.177059749	0.541959417	21.46915515
SAMD9:CCDS34680.1	-1.101821162	1.750465546	21.4642365
OR5K3:CCDS33803.1	-1.807862962	-0.434014813	21.43762428
TRIM14:CCDS6734.1	-1.163442133	0.323505003	21.42736305
TNFSF15:CCDS6809.1	-1.790295074	-0.208113352	21.42525742
NAT8:CCDS1926.1	-1.932169985	-0.596117617	21.42140822
KLK9:CCDS12816.1	-1.766222762	-0.283374327	21.41452158
INHBE:CCDS8939.1	-1.308304083	1.727330448	21.3999215
CSF2RA:CCDS55359.1	-0.888889105	2.626697247	21.3937698
TMEM229B:CCDS9783.1	-1.463368797	1.301813598	21.39325042
BHMT2:CCDS54871.1	-1.416413822	0.289316681	21.3929701
LEMD1:CCDS55679.1	-1.02863169	2.478655663	21.38750328
SLC16A6:CCDS11675.1	0.941399504	2.735758568	21.38699564
FAM78B:CCDS30931.1	-1.159233033	1.123541397	21.37853794
LYPD6B:CCDS46423.1	-1.381174974	1.105563173	21.37426894
SLC13A5:CCDS45593.1	-1.514024663	1.044308207	21.37158645
CXXC11:CCDS42843.1	-0.985387002	0.887611465	21.3701181
RNASE9:CCDS32036.1	-1.82080818	-0.338408549	21.36462087
GAGE13:CCDS48110.1	-1.389141402	-0.547513881	21.35024816
LILRA5:CCDS46177.1	-1.792021594	-0.218732888	21.34426824
NEU2:CCDS2501.1	-1.875484367	0.035586525	21.34131807
GIP:CCDS11542.1	-1.78286581	-0.22442266	21.34071281

TAUvsControls

CHRNA6:CCDS6135.1	-1.1402807	2.300715943	21.34070702
KLK7:CCDS12812.1	-1.871811845	0.034924888	21.34042688
ANO7:CCDS33423.1	-1.056376904	1.799629115	21.33670039
HCLS1:CCDS3003.1	-1.753932529	1.71014548	21.33659455
VIT:CCDS54349.1	-1.903809691	1.509618459	21.33424796
GPIHBP1:CCDS34954.1	-1.792677525	-0.466812535	21.33108761
TRIML2:CCDS3850.1	-1.743969532	0.232865443	21.32798968
NR1I2:CCDS43136.1	-1.364279962	0.513589493	21.30810297
DMRT2:CCDS6444.1	-1.557004051	0.707968725	21.30196425
EMX2:CCDS53583.1	-1.443403489	2.100324519	21.29676575
OR10A2:CCDS31415.1	-1.805466392	-0.603709409	21.29208356
PNPLA1:CCDS34438.1	-1.132729669	0.632017837	21.28799277
PLA2G12B:CCDS7319.1	-1.834998963	-0.569123124	21.28632579
IGFBP1:CCDS5504.1	-1.801114296	-0.096766225	21.28269091
OR4S1:CCDS31488.1	-1.808703511	-0.632699992	21.28178484
GJA4:CCDS30669.1	-1.738457817	-0.087229433	21.25507427
SUCNR1:CCDS3162.1	-1.836850578	-0.028429176	21.23421992
XKR8:CCDS315.1	-1.326433727	0.946963514	21.23159346
KCNK17:CCDS47419.1	-2.005454625	-0.020335016	21.22507089
PSKH2:CCDS6240.1	-1.794658212	0.141060045	21.20912695
DAOA:CCDS41905.1	-1.796660893	-0.451732303	21.20744443
FCAR:CCDS12909.1	-1.695553631	0.419669497	21.19757219
OR10A3:CCDS31421.1	-1.816239533	-0.554678152	21.19533166
OR2Y1:CCDS34323.1	-1.770503263	-0.402551202	21.18756144
OR52E6:CCDS53597.1	-1.830273271	-0.537691917	21.18384174
C15orf43:CCDS10115.1	-1.812370826	-0.485803628	21.17682343
OR2T3:CCDS31117.1	-1.7909794	-0.49185258	21.17400641
TSPY1:CCDS48205.1	-1.772828676	1.042643161	21.17171125
VIT:CCDS54347.1	-1.905831639	1.603281914	21.16947778
VIT:CCDS33180.1	-1.923702359	1.694835521	21.16792895
MYOT:CCDS4194.1	-2.408951678	0.979762715	21.16744179
CD74:CCDS47308.1	-1.185652127	1.954081324	21.15473096
SLC22A11:CCDS8074.1	-1.187323005	0.748035073	21.15374198
TAAR1:CCDS5158.1	-1.78891292	-0.453786981	21.14722967
POU1F1:CCDS2919.1	-1.723440606	0.123740875	21.1382005
SSX4B:CCDS43935.1	-1.870400412	-0.583032156	21.12125148
OR12D3:CCDS4658.1	-1.798129884	-0.483585949	21.11918333
HBE1:CCDS7756.1	-1.8772124	-0.639091685	21.11771203
SLAMF9:CCDS53392.1	-1.730562403	0.088061719	21.11150225
OR2T2:CCDS31116.1	-1.736165624	-0.301719487	21.08336556
BPIFA2:CCDS13214.1	-1.718066847	-0.193207354	21.08219022
RNF125:CCDS11902.1	-2.027691698	-0.061148154	21.08089292
OR52N4:CCDS44528.1	-1.471653686	-0.192480902	21.07557556
OR10H2:CCDS12333.1	-1.757813213	-0.348725295	21.07548283
SGSM1:CCDS46675.1	-1.799436423	5.596862141	21.07536478
SSX2:CCDS14345.1	-1.823068375	-0.03393451	21.07219791
KRT15:CCDS11398.1	-2.184222272	0.880861679	21.06530148
OR51T1:CCDS31363.1	-1.731690229	-0.15473913	21.06514109
HTR7:CCDS7408.1	-2.316260492	0.689879214	21.06472682
FXVD2:CCDS8386.1	-1.420357331	-0.326180844	21.06421133
GJC3:CCDS34697.1	-1.789885477	-0.427235462	21.05097143

TAUvsControls

LYZL4:CCDS2697.1	-1.530655787	-0.17853843	21.04941402
P2RY8:CCDS14115.1	-1.291348972	0.674226174	21.04572576
B3GNT3:CCDS12364.1	-1.764422345	0.187083923	21.04146622
IL24:CCDS53466.1	-1.872432836	-0.282905207	21.03497411
CSN2:CCDS3532.1	-1.714052138	-0.08469279	21.02601771
ANKRD7:CCDS43638.1	-1.826089251	-0.110348487	21.00131954
FBXO4:CCDS3939.1	-2.062738311	0.392618974	20.99561157
TMIGD1:CCDS32605.1	-1.769546931	-0.19729511	20.99535158
TPTE:CCDS13560.2	-1.122908533	1.790545544	20.99102104
HAND2:CCDS3819.1	-2.258216062	1.66529471	20.98924178
DUSP27:CCDS30932.1	-2.126400025	1.797789961	20.98898308
PARP12:CCDS5857.1	-1.015243598	1.896405141	20.97358802
NFIL3:CCDS6690.1	-0.948548263	4.098501063	20.96752318
IL2RG:CCDS14406.1	-1.401745414	0.337566546	20.96015734
PAEP:CCDS35173.1	-1.782550358	-0.353281375	20.9381497
OR2T5:CCDS31118.1	-1.810609864	-0.51662735	20.93225645
MC3R:CCDS13449.2	-1.804584343	-0.289495088	20.93011473
TPTE:CCDS33511.1	-1.231268898	1.61070844	20.92946908
EXPH5:CCDS8341.1	-0.931038599	2.212801939	20.92140958
C2CD4C:CCDS45890.1	-1.034123181	2.410274355	20.91833301
KRT85:CCDS8824.1	-1.242361474	1.13595294	20.9126632
RHEBL1:CCDS8778.1	-2.402697784	2.196693028	20.90530734
FEZF1:CCDS55157.1	-1.493252211	2.016643857	20.88989601
PTGDR:CCDS9707.1	-1.795678624	-0.042815026	20.88016916
FOXA2:CCDS13147.1	-1.302366446	0.302954102	20.87409288
HNF1B:CCDS11324.1	-1.297416599	0.884892858	20.87145702
OR8D1:CCDS31706.1	-1.737483217	-0.353742591	20.86875661
KCNG3:CCDS42674.1	-1.249055376	0.210391106	20.86576226
PHYHIP:CCDS43723.1	-1.537861443	3.326278171	20.85607418
AP1S3:CCDS42827.1	-1.946204041	0.139240424	20.85362848
OR2A2:CCDS43671.1	-1.854316471	-0.568940164	20.85362815
ZIM3:CCDS33125.1	-1.786400397	0.104794037	20.84799686
CCDC42:CCDS54088.1	-1.363054485	-0.027408469	20.84428638
MYOT:CCDS47268.1	-2.236070973	0.433641179	20.83945498
GKN1:CCDS1891.2	-1.812082465	-0.34752379	20.83628536
SGSM1:CCDS46674.1	-1.786961164	5.605374436	20.83592883
DGAT2L6:CCDS14397.1	-1.484081736	-0.22086265	20.83378446
CCR2:CCDS46813.1	-1.75298947	-0.166520697	20.83076834
POU4F2:CCDS34074.1	-1.353359535	2.571440082	20.83050514
CFC1B:CCDS33286.1	-1.238047931	0.895132108	20.8304132
SASH3:CCDS14614.1	-1.296159261	0.406047157	20.82990643
FAM78A:CCDS6941.2	-1.213724217	0.607786826	20.82843719
TRPC5:CCDS14561.1	-1.434405331	1.491034	20.81803518
ZNF43:CCDS12413.2	-1.13150351	3.996052675	20.81642946
ASPA:CCDS11028.1	-1.717810696	0.087226131	20.81397329
HORMAD2:CCDS46683.1	-1.807961443	0.628509022	20.80612211
BBOX1:CCDS7862.1	-1.390062924	1.614917091	20.79802721
SLC10A5:CCDS34915.1	-1.28345814	-0.013008869	20.77690605
SGK1:CCDS47477.1	-1.21960704	4.019667625	20.77687857
SSX4B:CCDS35241.1	-1.819181291	-0.314670339	20.77653372
C1orf204:CCDS44253.1	-1.34984339	0.419105636	20.77075956

TAUvsControls

MAB21L3:CCDS886.1	-1.762232393	0.204572904	20.76629215
C10orf82:CCDS7596.1	-2.223034004	-0.365600203	20.76353467
IL22:CCDS8982.1	-1.853563579	-0.335938881	20.75118152
FXVD2:CCDS8385.1	-1.397354316	-0.334013873	20.7473083
PABPC4:CCDS44114.1	0.711776648	6.836014801	20.72376896
OR2M7:CCDS31111.1	-1.761868695	-0.321242485	20.7228231
CCDC74A:CCDS2167.1	-1.538900758	4.537386771	20.71965586
THEMIS:CCDS34534.1	-1.111766249	0.961004512	20.71451003
CD84:CCDS53395.1	-1.820056295	0.096193873	20.71352779
LEMD1:CCDS30986.1	-0.999625022	1.95675608	20.70797986
CYP11A1:CCDS32291.1	-1.090371383	1.018580483	20.70124591
NYX:CCDS14256.1	-1.117254151	0.196976078	20.6938274
OR6B1:CCDS43667.1	-1.762518026	-0.371028703	20.6849057
OR10C1:CCDS34364.1	-1.757891749	-0.477203137	20.68042912
CD200R1:CCDS2970.1	-1.697921625	-0.043744509	20.67195384
OR4C13:CCDS31495.1	-1.869242236	-0.673956668	20.6690831
CT45A5:CCDS35406.1	-1.893220409	-0.456761305	20.6544441
OR5AU1:CCDS32042.1	-1.795184318	-0.413417874	20.64526529
RSPH6A:CCDS12675.1	-1.06979213	1.293731562	20.64042286
TAAR8:CCDS5154.1	-1.796049019	-0.446306932	20.63820952
TREML4:CCDS34446.1	-1.82849793	-0.592868845	20.62596922
WNT6:CCDS2425.1	-1.281297931	0.077192598	20.62399854
LYG2:CCDS2042.1	-1.842404154	-0.789253356	20.62376975
CXCL1:CCDS47074.1	-1.503892788	-0.373594477	20.62229036
ERMN:CCDS42764.1	-1.286589606	0.343203291	20.62035692
TAS2R7:CCDS8631.1	-1.790415261	-0.591683175	20.61312669
FEZF2:CCDS2897.1	-1.87912	4.3866398	20.60187281
OR4C15:CCDS31501.1	-1.736967863	-0.356502387	20.6000619
HBG2:CCDS7755.1	-1.852308437	-0.73215639	20.59925911
CT45A1:CCDS48174.1	-1.864203879	-0.612049966	20.59773883
IL19:CCDS1469.1	-1.802840194	-0.579919859	20.59763141
SULT1C3:CCDS33267.1	-1.738099024	0.044674965	20.5972913
CD1E:CCDS53388.1	-1.88820497	0.115419329	20.58198071
SGK1:CCDS47478.1	-1.225634284	4.021157687	20.57511461
OR52L1:CCDS44529.1	-1.815333642	-0.157069012	20.56447886
NBAS:CCDS1685.1	0.735434533	6.35205961	20.53785765
OSM:CCDS13873.1	-1.749765032	-0.124794492	20.53677736
HERC6:CCDS54777.1	-1.055670749	1.859071645	20.53287056
CGB2:CCDS12750.2	-2.604750472	1.95474743	20.53286506
FCAR:CCDS42625.1	-1.68364717	0.132952591	20.53010583
FAM83A:CCDS6340.1	-1.678475373	0.260173203	20.52454868
TLR1:CCDS33973.1	-0.957361844	0.80930537	20.51179759
ZBED2:CCDS2960.2	-1.858778391	-0.702480942	20.50257734
KCNA1:CCDS8535.1	-1.642480359	0.630467784	20.4870643
PLA2G4F:CCDS32204.1	-1.610673849	2.020643888	20.48661789
FGF21:CCDS12734.1	-1.812717642	0.324637399	20.4808654
RP1L1:CCDS43708.1	-0.927708437	2.528915652	20.48029541
SLC30A8:CCDS55272.1	-1.855659126	-0.059201419	20.47932185
OR51G2:CCDS31365.1	-1.804563067	-0.448973057	20.46995614
STEAP3:CCDS2125.1	-1.419912697	1.820627898	20.46991736
OR6C65:CCDS31821.1	-1.807789108	0.014504501	20.46906753

TAUvsControls

OPCML:CCDS31722.1	-1.454624297	3.913742199	20.46677657
OR9G1:CCDS31536.1	-1.751748611	-0.337798951	20.46019904
F3:CCDS750.1	-0.919005327	1.64725542	20.45801245
DUSP8:CCDS7724.1	-0.974043709	5.288776351	20.45030916
PRSS58:CCDS5871.1	-1.82670654	-0.515097227	20.43861644
SCIN:CCDS47545.1	-1.466021468	1.488070411	20.43672206
OR4F16:CCDS41221.1	-1.377412195	-0.520910094	20.43485024
TEDDM1:CCDS30953.1	-1.791912131	-0.601258508	20.42412838
SLC5A5:CCDS12368.1	-1.008243478	0.965158058	20.41713606
ABRA:CCDS6305.1	-1.686624698	0.126857098	20.40710539
MPZL3:CCDS8392.1	-1.936587455	0.337799186	20.40469254
OR1C1:CCDS41481.1	-1.7811285	-0.357647699	20.39107946
PPAP2C:CCDS12023.1	-1.273852765	1.001896502	20.38554941
TNFRSF8:CCDS144.1	-0.938933015	1.187400983	20.37603093
DMRTA2:CCDS44141.1	-1.543844115	1.662558616	20.36587689
MEOX1:CCDS11466.1	-1.450869719	0.83390623	20.35778614
HTR2A:CCDS9405.1	-1.47446479	0.538379266	20.35307851
FOXD4L3:CCDS43833.1	-1.413333089	0.149824365	20.35198016
OR4M2:CCDS32172.1	-1.734116826	-0.150379008	20.34790457
LPPR4:CCDS53347.1	-1.469273141	3.174362645	20.3410276
STEAP3:CCDS42738.1	-1.409078787	1.898549005	20.33287377
EBI3:CCDS12123.1	-1.237195192	-0.304707716	20.33007265
HERC6:CCDS47098.1	-1.054957399	1.911442718	20.31292673
OR2W1:CCDS4656.1	-1.766132777	-0.366581219	20.30845957
GATA1:CCDS14305.1	-1.161720859	0.387407577	20.30388999
NCR2:CCDS56428.1	-1.379800047	0.244845173	20.29841233
SERPINA5:CCDS9928.1	-1.533376629	0.69312239	20.29735899
CGB1:CCDS12751.2	-2.553420477	1.963261603	20.29612773
CLEC4A:CCDS8590.1	-1.084251882	0.624029851	20.28988589
SLC14A1:CCDS11925.1	-2.06557366	1.345557711	20.28385681
AIPL1:CCDS11075.1	-2.415688236	1.699089384	20.27976335
IZUMO2:CCDS12792.2	-1.811089147	-0.531533002	20.27772228
UGT1A3:CCDS2509.1	-1.112996142	0.715002306	20.27561463
OR6Q1:CCDS31541.1	-1.787038608	-0.389796716	20.2730943
OLAH:CCDS7106.1	-1.720539748	0.44754518	20.26776086
FGG:CCDS47153.1	-1.843834399	0.663728402	20.2647163
DMBT1:CCDS44492.1	-1.439807358	3.794004915	20.26418687
SLC35G3:CCDS11293.1	-1.708476182	0.47274982	20.26356299
DMBT1:CCDS44490.1	-1.44102734	3.816315655	20.26116381
OR13C5:CCDS35091.1	-1.815592298	-0.484974433	20.24867472
VIL1:CCDS2417.1	-0.999551346	1.531614657	20.2369387
ZCCHC16:CCDS35369.1	-1.753417615	-0.232654719	20.22918938
SPO11:CCDS13456.1	-1.692524706	0.45202438	20.22291229
CSN1S1:CCDS47067.1	-1.699849894	0.505930159	20.21908974
CALCA:CCDS31432.1	-2.015763047	-0.604108698	20.21464785
KRTAP10-11:CCDS42962.1	-1.708960104	-0.170862523	20.20811509
PLIN1:CCDS10353.1	-1.32306658	0.790351964	20.1957645
C8orf34:CCDS6203.2	-1.070811968	1.761231595	20.18888961
TM4SF4:CCDS46932.1	-1.832387276	0.257798985	20.18617849
MS4A12:CCDS53638.1	-1.843617343	-0.511713941	20.18480836
GKN2:CCDS33215.1	-1.944303128	-0.620027969	20.17457156

TAUvsControls

LDB3:CCDS53549.1	-1.41550807	1.390237409	20.17252818
TPTE2:CCDS9285.1	-1.079592727	0.972474713	20.15340647
COL17A1:CCDS7554.1	-1.209351978	2.579822636	20.1491204
HOXA5:CCDS5406.1	-2.111516258	2.423752857	20.14741634
LPPR4:CCDS757.1	-1.461653865	3.287851966	20.14230134
PLA2G2F:CCDS204.2	-1.782682623	-0.446686731	20.1408201
ART4:CCDS8668.1	-1.755744632	0.074537025	20.13534282
PSG4:CCDS33039.1	-1.76582317	0.147647951	20.12740746
LCN10:CCDS35182.2	-1.757949134	-0.107154949	20.12330085
TTC22:CCDS598.1	-1.752505197	0.942085688	20.11561936
VSX1:CCDS13169.1	-1.379408461	-0.016010432	20.11408623
OR14A16:CCDS31097.1	-1.8251874	-0.616883222	20.1059702
OR5M11:CCDS53629.1	-1.837834286	-0.669775914	20.10565393
GNRHR:CCDS3517.1	-1.206929052	0.152704839	20.1043604
PRF1:CCDS7305.1	-1.188745384	0.359012793	20.10362846
SERPINB13:CCDS11985.1	-1.800145422	0.418491836	20.10075067
GDF3:CCDS8581.1	-1.49540872	0.080295701	20.09802246
FCAR:CCDS42622.1	-1.66664421	0.549297913	20.08565704
ZNF705A:CCDS31737.1	-1.770855113	-0.385391843	20.08388031
ATP6V1B1:CCDS1912.1	-1.623203302	4.04091903	20.08129665
OR5W2:CCDS31513.1	-1.850718168	-0.648279205	20.08009056
HTR7:CCDS7409.1	-2.25974561	0.552338244	20.06466796
OR4A15:CCDS31500.1	-1.78559397	-0.365691119	20.04604077
CXCL9:CCDS34014.1	-1.869399217	-0.889239829	20.04419889
CLIC2:CCDS14767.1	-1.857339049	0.070096585	20.03802726
RGN:CCDS14272.1	-1.355703967	0.266903862	20.03704774
OR4F5:CCDS30547.1	-1.740042405	-0.523198806	20.02923061
UGT1A7:CCDS2506.1	-1.15998375	0.580867564	20.01721504
OR4B1:CCDS31485.1	-1.82836995	-0.750604687	20.00762256
XKR3:CCDS42975.1	-1.70398914	0.299514555	20.00491709
RNLS:CCDS31239.1	-1.603473685	1.018604654	20.00319124
ALPPL2:CCDS2491.1	-1.022364962	0.888834401	19.99157884
ACTA1:CCDS1578.1	-1.823717858	4.230110733	19.98839593
SOX30:CCDS4339.1	-0.974572091	0.948581766	19.9766778
OR6M1:CCDS31696.1	-1.765033422	-0.489508637	19.96639388
NFATC2:CCDS33488.1	-1.032098106	1.684688953	19.96557916
UGT1A8:CCDS33402.1	-1.128080319	0.649714234	19.96486001
ADAM18:CCDS55225.1	-1.734618037	-0.177674981	19.96253637
MAGEA2:CCDS14713.1	-1.402479856	-0.065443786	19.96061184
SGK1:CCDS5170.1	-1.207254699	4.054346945	19.95573771
ALDH3A1:CCDS11212.1	-1.381856416	1.363116277	19.9513806
GAGE2B:CCDS48112.1	-1.541618663	-0.233159078	19.94530192
SH2D4B:CCDS7370.1	-1.407644431	0.85072425	19.94076569
SPATA3:CCDS2481.1	-1.777539584	-0.325415002	19.94063602
THEM5:CCDS1005.1	-1.93059541	-0.157597322	19.93862281
RFPL4B:CCDS34515.1	-1.934374731	-0.283291766	19.93322112
LAYN:CCDS31676.1	-1.75554366	2.489997524	19.92904807
SGK1:CCDS47476.1	-1.186259802	4.09140168	19.92493203
OR5H14:CCDS33798.1	-1.791664363	-0.729335157	19.92382264
OR14J1:CCDS34362.1	-1.92134316	-0.385099594	19.9203505
CRISP1:CCDS4932.1	-1.765775572	0.011798098	19.909012

TAUvsControls

AIPL1:CCDS32540.1	-2.366854902	1.436612695	19.90713351
MAGEB16:CCDS43927.1	-1.77088939	-0.108032411	19.90564521
GABRA1:CCDS4357.1	-2.584559732	1.024349752	19.90363534
TEK:CCDS6519.1	-1.070340819	3.214577912	19.90167225
FGG:CCDS3788.1	-1.834217661	0.637194068	19.89402885
GPR88:CCDS772.1	-1.475408065	0.213315027	19.88748847
AGR2:CCDS5364.1	-1.743314121	-0.412151099	19.88569167
CC2D2B:CCDS41555.1	-1.232595589	0.935243578	19.87675851
CHRNA10:CCDS7745.1	-1.554195843	0.680709642	19.87479873
JUNB:CCDS12280.1	-1.158034218	3.133484842	19.87028424
CLDN7:CCDS54081.1	-2.093635782	-0.721095243	19.86980978
NFE2:CCDS8876.1	-1.195216319	0.175347478	19.86645918
RNF186:CCDS199.1	-1.768079726	-0.722627271	19.85357875
CYP17A1:CCDS7541.1	-1.579146414	1.453915142	19.84526753
OR52B2:CCDS53598.1	-1.783749898	-0.516318449	19.84103258
SPC24:CCDS45974.1	1.258252113	3.31138927	19.84073474
GBP2:CCDS719.1	-1.980015117	1.541396673	19.83739635
HP:CCDS45524.1	-1.470843683	1.248707279	19.82974593
GPX3:CCDS43389.1	-1.363229045	3.425155238	19.82449588
CLEC4A:CCDS41745.1	-1.078925195	0.399923584	19.81753396
OR8H1:CCDS31526.1	-1.735373156	-0.465669252	19.80877172
AREG:CCDS3565.1	-1.78647026	-0.24251787	19.7938376
SERPINA7:CCDS14518.1	-1.67505412	-0.00889278	19.7920617
OR51E1:CCDS31358.2	-1.742873819	0.150676134	19.78627042
FOXD4L1:CCDS2117.1	-1.213977118	0.289417854	19.78258397
ALOX15B:CCDS11128.1	-1.09220514	1.268146658	19.7816339
PRLR:CCDS56358.1	-1.164738548	1.108872336	19.77798939
OR5AC2:CCDS33796.1	-1.749846753	-0.560526438	19.76845156
CC2D2B:CCDS53560.1	-1.209668131	1.299510977	19.76690241
FOXB2:CCDS35045.1	-1.75534382	0.791723993	19.76559714
GSTA5:CCDS4946.1	-1.712040215	-0.13751773	19.74871005
MRO:CCDS45869.1	-1.477998672	-0.167233043	19.74305224
OR1S1:CCDS31546.1	-1.722694154	-0.420751571	19.73565848
ARRDC5:CCDS45929.1	-1.67776193	-0.253020411	19.73557858
KRTAP10-5:CCDS42958.1	-1.738709044	-0.485768463	19.72832182
CSN1S1:CCDS54769.1	-1.696229438	0.411094173	19.72804821
CYP2F1:CCDS12572.1	-0.943122527	1.079406827	19.71395299
IL12RB1:CCDS54232.1	-1.053272254	1.292353431	19.71259736
OR4F6:CCDS32341.1	-1.745313752	-0.45106291	19.71192342
SSTR3:CCDS13944.1	-1.253205647	0.313149675	19.71058648
AMBN:CCDS3543.1	-1.910181051	1.338325512	19.70684935
OPALIN:CCDS44466.1	-1.846298506	-0.187304503	19.70261137
APOL1:CCDS13925.1	-1.299439201	0.916170663	19.6978141
HP:CCDS45525.1	-1.368913409	0.808743991	19.69518575
GBGT1:CCDS6960.1	-3.089671104	3.618470388	19.69202155
TBX20:CCDS43568.1	-1.253328789	0.881936475	19.68141691
AMBP:CCDS6800.1	-1.176236625	0.444104336	19.67921101
UGT1A6:CCDS2507.1	-1.160200434	0.656837309	19.67600587
ARID3C:CCDS35006.1	-0.997393156	0.425376715	19.67491423
FMR1NB:CCDS14683.1	-1.635077429	0.167991244	19.67487994
CST4:CCDS13159.1	-2.861139713	0.939305865	19.67405088

TAUvsControls

OR6C2:CCDS31824.1	-1.801028329	-0.732137728	19.66973007
TREM1:CCDS4854.1	-1.733920626	-0.091560766	19.66326402
PABPC4:CCDS438.1	0.701007975	6.91207643	19.66031889
FAM169B:CCDS45360.1	-1.832080157	-0.453163807	19.6582754
GATA5:CCDS13499.1	-1.686576264	0.906965898	19.65756267
CD1E:CCDS53389.1	-1.881607171	0.036989519	19.65282526
OR14I1:CCDS31125.1	-1.784762595	-0.526665216	19.6407138
LRTM1:CCDS2876.1	-2.415152987	0.590441713	19.62760429
CRYBA2:CCDS2429.1	-2.502165492	5.414351577	19.62145748
OR13F1:CCDS35087.1	-1.738595946	-0.678030757	19.61577068
PSG11:CCDS12615.2	-1.814557852	-0.151475959	19.61219108
OR2A1:CCDS43673.1	-1.647353352	0.353509577	19.59842718
FCAR:CCDS42623.1	-1.652208213	0.33469669	19.5939302
SAA2:CCDS7833.1	-1.805689813	-0.250320908	19.5927123
OR1G1:CCDS11020.1	-1.747352238	-0.446678214	19.58762743
MYH15:CCDS43127.1	-0.843512542	3.07728447	19.58364644
NRG2:CCDS4217.1	-1.072504708	2.464338086	19.5660093
NFATC2:CCDS46614.1	-1.034990891	1.651755109	19.56384314
MGLL:CCDS46902.1	-1.272426664	3.01040645	19.56379692
CD3D:CCDS8394.1	-1.777836471	-0.336237982	19.55136329
SLC34A2:CCDS3435.1	-1.727456084	1.507966612	19.54054096
HTR7:CCDS7410.1	-2.23819465	0.463329487	19.53843813
PRAME:CCDS13801.1	-1.110366204	0.947776609	19.52962445
OR51D1:CCDS31357.1	-1.699220941	-0.445877444	19.52925389
AVPR1B:CCDS30994.1	-1.678175171	0.414343635	19.48740661
TMEM174:CCDS4018.1	-1.771706553	-0.611970533	19.47741646
TM4SF18:CCDS3142.1	-1.819860153	-0.244707086	19.4718793
RGS6:CCDS9808.1	-0.995686157	2.344264439	19.4709021
MAGEC2:CCDS14678.1	-1.741395514	-0.264263738	19.46594328
OR2A4:CCDS5149.1	-1.749877788	-0.674080576	19.46129504
PABPC4:CCDS44115.1	0.698946519	6.920569087	19.46011216
HFE:CCDS4578.1	-1.526460875	1.369442168	19.45680838
ADAM28:CCDS34865.1	-1.865254177	2.298316992	19.45485646
IPO5:CCDS31999.1	0.723226852	7.514482513	19.4511438
SLC34A2:CCDS54750.1	-1.721961628	1.504207367	19.4488713
RIPPLY1:CCDS48145.1	-1.804239429	-0.160221418	19.43799267
C11orf40:CCDS31354.1	-1.792962647	-0.337591052	19.43081073
OR4C11:CCDS31503.1	-1.820864534	-0.67896479	19.42944795
SLC14A1:CCDS45860.1	-2.043010407	1.642884597	19.42342538
IGJ:CCDS3545.1	-1.778110461	-0.411883452	19.41684438
RANBP3L:CCDS54843.1	-1.974834097	1.559174784	19.41571216
OR2T10:CCDS31121.1	-1.717337138	-0.418641034	19.40271427
KIR3DL3:CCDS12903.1	-1.670357296	1.15913987	19.37640786
JPH3:CCDS10962.1	-1.027142074	4.266925931	19.36878908
TMPRSS12:CCDS44881.1	-1.7119633	0.149809626	19.36217494
IGSF10:CCDS3160.1	-0.965246296	2.966817368	19.36115226
ENPP7:CCDS11763.1	-1.761139017	0.649140665	19.3560845
XCR1:CCDS2736.1	-1.73998164	-0.195479484	19.35356917
OR11H12:CCDS32017.1	-1.720560137	-0.696890231	19.34648063
MS4A3:CCDS31567.1	-1.898950741	-0.264178133	19.33762432
OR2B3:CCDS34358.1	-1.772694116	-0.709384629	19.31829956

TAUvsControls

SLC52A1:CCDS11066.1	-1.195382622	0.396392602	19.31646702
C1QC:CCDS227.1	-1.70179424	-0.452695132	19.31207967
OR51F2:CCDS31361.1	-1.76558432	-0.614815391	19.31201957
GPR6:CCDS5079.1	-1.870586505	0.837678066	19.3090492
C1orf116:CCDS1475.1	-1.0605603	0.996422899	19.3051224
MGLL:CCDS43148.1	-1.255613632	2.934804298	19.30059348
MRO:CCDS45868.1	-1.217269573	0.222124698	19.28606296
SH3TC1:CCDS3399.1	-1.085291711	2.76616376	19.28165386
FPR2:CCDS12840.1	-1.730362123	-0.264766209	19.27498591
OR5D16:CCDS31512.1	-1.750231859	-0.382661288	19.25963965
SLC47A1:CCDS11209.1	-1.424513113	2.127458933	19.25212519
DACT2:CCDS47519.1	-1.492183026	2.096134895	19.24794888
SEC14L3:CCDS13877.1	-1.429578492	1.183870279	19.24733865
HRH1:CCDS2604.1	-1.148956568	1.052354333	19.24523005
GPR12:CCDS9319.1	-1.536180429	1.739827928	19.23911203
ODAM:CCDS3536.2	-1.706344918	0.509009713	19.23171393
PPARG:CCDS2610.2	-1.279596652	0.886858398	19.22948701
C3orf67:CCDS33776.1	-1.12153656	1.375984676	19.20930276
OR4D10:CCDS53636.1	-1.747638494	-0.413614305	19.20759874
COL10A1:CCDS5105.1	-1.831381606	0.95368859	19.20264418
GPR113:CCDS46239.1	-1.085418427	2.07735732	19.19938011
R3HDML:CCDS13329.1	-1.8085521	-0.671686225	19.19709689
MPPED1:CCDS46723.1	-1.792885595	3.212688358	19.18926034
KLK10:CCDS12817.1	-1.450823881	0.046434191	19.18322791
CD300A:CCDS32720.1	-1.829327312	0.546004109	19.17725928
PSMA8:CCDS32808.1	-1.741010374	-0.394215563	19.17705107
RBMXL2:CCDS7777.1	-1.70357959	0.187983979	19.17641442
C3:CCDS32883.1	-1.748863961	5.830071518	19.17517428
LDB3:CCDS44450.1	-1.387376723	1.181410622	19.17147953
ZBPB:CCDS5509.1	-1.78251329	0.227171076	19.16862648
MGEA5:CCDS7520.1	0.749804586	6.064500124	19.16514235
IDO1:CCDS47847.1	-1.813376233	0.503517893	19.1541572
CHMP3:CCDS33236.1	0.756223469	4.812982676	19.15351942
CPN2:CCDS33920.1	-1.654588967	0.578394872	19.15227372
ALDH1A1:CCDS6644.1	-1.634783748	3.4445993	19.15010668
MS4A4A:CCDS7982.1	-1.784135643	0.119030811	19.14173925
PSMA8:CCDS45843.1	-1.775653471	-0.599350308	19.13791179
MAGEA3:CCDS14715.1	-1.668789532	-0.342020575	19.13044955
BRIP1:CCDS11631.1	-1.270290645	3.177042176	19.12821463
PRR23C:CCDS46924.1	-1.753319568	-0.575992318	19.12687409
CSTL1:CCDS13153.1	-1.848877283	-0.892645444	19.12447451
FGA:CCDS3787.1	-1.811090332	1.286268285	19.11779776
SPO11:CCDS13457.1	-1.665943571	0.358661035	19.10562224
PTPN6:CCDS41744.1	-1.002947252	1.528898785	19.09708848
CCDC106:CCDS33118.1	-0.67771639	4.888080804	19.0955753
LCP2:CCDS47339.1	-0.900346698	1.500090289	19.09343375
RANBP3L:CCDS3918.1	-1.956163165	1.506699776	19.08555305
CNR2:CCDS245.1	-1.72001757	-0.299059084	19.08491843
PLEK2:CCDS9782.1	-1.259596248	0.611968157	19.0798206
OR2AG2:CCDS31413.1	-1.758776777	-0.670451243	19.07603673
APOL1:CCDS13926.1	-1.264779346	0.798524223	19.07099545

TAUvsControls

PSMA8:CCDS45842.1	-1.738073173	-0.425278601	19.05685877
OR4K13:CCDS32028.1	-1.746057753	-0.573941894	19.05622892
VSTM5:CCDS44709.1	-1.706619199	-0.505561075	19.05202194
SMPDL3B:CCDS30656.1	-1.158923851	1.054028277	19.05132109
ACCS:CCDS7907.1	-2.443549554	1.152567307	19.03976344
ABCA10:CCDS11684.1	-1.013857568	2.304443264	19.02108328
C7orf71:CCDS47565.1	-1.817550017	-0.691920767	19.01766753
TNFSF18:CCDS1305.2	-1.793754921	-0.490273594	19.01247127
OR10AG1:CCDS31514.1	-1.78085131	-0.810836433	19.0090383
CST6:CCDS8126.1	-1.793362783	-0.610333541	19.00214002
OR6S1:CCDS32038.1	-1.750889709	-0.566240887	18.99957797
GLRX:CCDS4078.1	-1.060662872	2.639010993	18.99524585
NCR2:CCDS56429.1	-1.354198385	0.181271793	18.9922531
LTA:CCDS4701.1	-1.254385753	-0.525456898	18.9916238
AMN:CCDS9977.1	-1.015998652	0.782589231	18.98858773
SLAMF6:CCDS53393.1	-1.79870726	-0.290833725	18.98249624
RNASEH2B:CCDS45047.1	-1.123019666	2.350492255	18.97448167
MUC15:CCDS44557.1	-1.673963044	0.135290014	18.95991258
OR2T27:CCDS31124.1	-1.729756389	-0.581228313	18.95847525
EXOC3L2:CCDS12657.1	-1.02719266	1.16349973	18.95805622
OR10A4:CCDS7774.1	-1.723622541	-0.13991283	18.94708339
OVOL2:CCDS13132.1	-1.662597706	-0.044899003	18.94586268
FCGR3A:CCDS44266.1	-1.673044596	-0.016344291	18.94377868
MS4A15:CCDS7991.1	-1.745892983	-0.623766514	18.94079068
OBP2B:CCDS6961.1	-3.534022714	3.478420163	18.93996267
HMBOX1:CCDS6071.1	1.121870232	2.601608764	18.93885796
PFDN4:CCDS13445.1	-1.042799614	2.989639403	18.92964719
LEFTY1:CCDS1548.1	-1.070215247	0.487742663	18.92267739
LYPD1:CCDS46416.1	-1.170410857	4.070907887	18.92192428
CLEC7A:CCDS41753.1	-1.731310008	0.294764708	18.91395895
IFNG:CCDS8980.1	-1.82578151	-0.55337771	18.91077171
CLEC4A:CCDS8592.1	-1.148080047	0.222647438	18.90873567
DMRT2:CCDS6445.1	-1.380340924	-0.32449611	18.90041125
GC:CCDS3550.1	-1.682790245	1.125407085	18.89815143
OR10G3:CCDS32046.1	-1.716243651	-0.510689092	18.89557805
TFAP2C:CCDS13454.1	-1.918276486	2.146963436	18.88156978
MAGEB4:CCDS14221.1	-1.665894449	-0.280416163	18.87826299
KLRF1:CCDS41750.1	-1.721759561	-0.025943079	18.87154177
P2RY4:CCDS14398.1	-1.351806957	-0.223448844	18.86646101
RGS1:CCDS1375.2	-1.688670149	-0.558176832	18.86427757
OR52H1:CCDS31386.1	-1.751655921	-0.45172229	18.86051882
ZPBP:CCDS55110.1	-1.772900876	0.219694031	18.85644608
ZNF645:CCDS14205.1	-1.824530277	0.638831263	18.85494729
NEDD9:CCDS34340.1	-0.770361619	2.077127196	18.85286622
PTGIR:CCDS12686.1	-1.212473759	1.044054275	18.84821562
CCL15:CCDS11304.1	-1.816814684	-0.854734514	18.84733081
IL15RA:CCDS7074.1	-1.239553861	0.717422346	18.84477546
OR6C1:CCDS31818.1	-1.689273627	-0.469072814	18.84082746
CILP:CCDS10203.1	-1.389040609	2.53872967	18.84019945
DNAJC5B:CCDS6183.1	-1.709648905	-0.356224084	18.82852308
CHRNA2:CCDS6059.1	-2.204505866	1.224934917	18.82536883

TAUvsControls

OPCML:CCDS8492.1	-1.387044345	3.986265633	18.82502378
LRR30:CCDS42409.1	-1.888302038	-0.059490459	18.81515999
OR6B2:CCDS46559.1	-1.6987435	-0.341386768	18.81445254
LDB3:CCDS41545.1	-1.390667122	1.209624229	18.81158224
PTGER2:CCDS9708.1	-1.444918565	0.245756903	18.79799881
GNMB:CCDS34610.1	-1.219262902	3.964840817	18.7932985
CBX5:CCDS8875.1	1.084966298	4.414332912	18.79297068
ATP2B4:CCDS30977.1	0.751817621	6.256936159	18.79076629
GNMB:CCDS5380.1	-1.220030829	3.96204054	18.78851148
PLEKHB1:CCDS44673.1	-1.101689504	2.561230802	18.78549589
SPATA22:CCDS54067.1	-1.747323379	0.456841692	18.77846613
ASB14:CCDS46856.2	-0.919899506	0.852995308	18.77748023
MAGEA2B:CCDS44016.1	-1.358341037	-0.050266525	18.77364637
AICDA:CCDS41747.1	-1.752680795	-0.719551579	18.77035654
SIRPA:CCDS13022.1	-0.918433691	3.813441218	18.76583119
FCAR:CCDS46180.1	-1.635268629	0.418659205	18.75927804
RTL1:CCDS53910.1	-0.835207462	2.532197963	18.7587702
MGEA5:CCDS44471.1	0.738282224	5.975186193	18.75353155
GIMAP1:CCDS5906.1	-1.728397038	-0.325513848	18.75109495
GLB1L3:CCDS44780.1	-1.153298817	1.411370968	18.72246432
VENTX:CCDS7675.1	-1.779959794	-0.43121996	18.70910171
TAAR5:CCDS5156.1	-1.679270263	-0.303040919	18.7072714
C9orf131:CCDS47961.1	-0.928472163	1.435507788	18.70515088
TNMD:CCDS14469.1	-1.442708841	1.798708898	18.70473194
TBX10:CCDS31621.1	-1.11600077	0.457232346	18.69395075
UGT2B7:CCDS3526.1	-1.08599348	0.842746578	18.69162696
OR4D9:CCDS31564.1	-1.743905302	-0.662066284	18.6876572
CXCL14:CCDS4188.1	-1.281352738	2.605438323	18.68598049
SLC5A7:CCDS2074.1	-1.287560847	0.983713437	18.67738459
TMEM82:CCDS30608.1	-1.162908671	-0.126204119	18.67119511
SH2D4B:CCDS44449.1	-1.400124157	0.810194785	18.66737568
PRSS1:CCDS5872.1	-1.621200458	0.622926273	18.65794296
OR13C3:CCDS35089.1	-1.735635435	-0.529584716	18.63162066
VGLL2:CCDS5114.1	-2.468526064	-0.322278248	18.62782799
PLAUR:CCDS33042.1	-1.42419956	3.107073575	18.62577968
SLC13A5:CCDS11079.1	-1.390543395	1.155315213	18.61550156
NR1I2:CCDS54627.1	-1.295878819	0.416795904	18.61047312
C16orf74:CCDS45540.1	-1.229794471	0.64082079	18.60508898
AIPL1:CCDS32539.1	-2.300251067	1.444757404	18.60394157
GLT6D1:CCDS43900.1	-1.724215312	-0.547830208	18.60089442
MED14:CCDS14254.1	0.785067797	5.590096343	18.58703477
NXPH1:CCDS47540.1	-1.203284556	1.23917407	18.58664586
MYL10:CCDS34713.1	-1.169510947	0.281677764	18.58612372
DDI1:CCDS31660.1	-1.05258702	0.306756484	18.58600349
PLAUR:CCDS33041.1	-1.43772864	3.085074649	18.57803388
OR5AP2:CCDS31534.1	-1.734719283	-0.422673207	18.57586864
REG3A:CCDS1965.1	-1.720110983	-0.58946495	18.56270542
C11orf53:CCDS31674.1	-1.775153214	-0.64086593	18.55106655
OR10G4:CCDS31702.1	-1.775218627	-0.307910902	18.5503866
SLC26A9:CCDS30989.1	-0.884161969	1.624055597	18.54382687
IL22RA2:CCDS5183.1	-1.776734108	-0.511125049	18.53672958

TAUvsControls

ARHGEF15:CCDS11139.1	-1.067391547	1.593671725	18.53061485
PRR25:CCDS45372.1	-1.072397454	-0.213762369	18.52278668
OR5H1:CCDS33797.1	-1.74366764	-0.609307331	18.50949634
RAMP1:CCDS2522.1	-1.899732076	1.068331657	18.50679522
LYZL2:CCDS7167.2	-1.751350477	-0.640878368	18.49552963
GP5:CCDS3307.1	-1.156150967	0.189190551	18.47905105
ACTC1:CCDS10041.1	-2.249604128	5.741995266	18.4760347
DSCAM:CCDS42929.1	-0.960767299	4.132887519	18.47596915
B3GAT1:CCDS8500.1	-1.099708179	5.195164358	18.47583532
SLC18A2:CCDS7599.1	-1.738105567	2.567433049	18.47470156
OR10T2:CCDS30895.1	-1.67272408	-0.599767279	18.47075233
OR10J5:CCDS30910.1	-1.695685262	-0.482273398	18.47030543
RASGRP4:CCDS46068.1	-1.01937487	1.718460683	18.4671553
CER1:CCDS6476.1	-1.72604192	-0.39509203	18.46185093
CD74:CCDS47309.1	-1.151756612	2.272597484	18.45470188
S100A16:CCDS1045.1	-1.406184879	2.98616512	18.45099942
SCG2:CCDS2457.1	-1.221281688	6.770505635	18.44490676
C5orf63:CCDS54896.1	-1.806183326	-0.957374415	18.44094865
KIF13A:CCDS54968.1	0.686280969	5.302136902	18.43968972
C11orf45:CCDS8478.1	-1.358205269	0.031072444	18.42674369
ITGB2:CCDS13716.1	-0.928923354	1.679936246	18.42628435
HLA-DQB2:CCDS56419.1	-1.68036612	-0.03319357	18.42446583
F2RL3:CCDS12350.1	-1.322105983	-0.219877487	18.42288111
OR6X1:CCDS31695.1	-1.667565319	-0.506117826	18.42147848
C3orf17:CCDS33824.1	0.67714355	3.402593756	18.41795152
SPNS3:CCDS11045.1	-1.038161518	0.842195754	18.41549582
TNNT2:CCDS30969.1	-2.640291697	3.905120171	18.41316554
PLAUR:CCDS12628.1	-1.408058725	3.32731248	18.41107814
UGT2A2:CCDS56331.1	-1.707895727	0.510454088	18.40593314
ANKRD2:CCDS44468.1	-0.986206886	0.459421759	18.40356234
GRIK3:CCDS416.1	-1.238046524	4.494811278	18.40190631
SLC26A4:CCDS5746.1	-1.101355181	1.455443064	18.39406663
GJD2:CCDS10040.1	-1.293915543	2.386614342	18.39380574
ALLC:CCDS46223.1	-1.037355239	0.408932494	18.38661469
TEX15:CCDS6080.1	-1.065459535	2.584575264	18.38508165
FABP7:CCDS5127.1	-1.275683679	6.515555591	18.38279301
OR10J3:CCDS30909.1	-1.7419605	-0.554959656	18.38163997
CAD:CCDS1742.1	0.74865028	7.265982389	18.37052973
PPAP2C:CCDS45889.1	-1.307515797	0.653205725	18.36858454
EFNA3:CCDS1090.1	-0.904133545	4.141755161	18.36108028
ADORA3:CCDS839.1	-1.691512206	-0.142515765	18.35769515
FBXO4:CCDS3938.1	-1.490911385	0.806269688	18.35010133
MS4A3:CCDS31568.1	-1.932022674	-0.57647313	18.34597293
LYPD1:CCDS42759.1	-1.182996317	4.776645566	18.34575896
TNNT2:CCDS30968.1	-2.622803164	3.832103525	18.33851465
FTCD:CCDS13731.1	-1.020158826	1.50251125	18.3383413
SP7:CCDS44897.1	-1.038685263	0.226506465	18.32194207
CATSPER4:CCDS30645.1	-0.949574679	0.722478731	18.32088604
C9orf131:CCDS47962.1	-0.907218976	1.343987016	18.31558078
TAS2R16:CCDS5785.1	-1.703583797	-0.572669485	18.31475559
SIRPB1:CCDS13019.1	-1.096412963	0.675855237	18.30986289

TAUvsControls

HFE:CCDS47387.1	-1.509395574	1.326954486	18.30689524
ESPNL:CCDS2525.1	-0.93815828	1.493831546	18.30290763
MYBPHL:CCDS30793.1	-1.595575586	0.608932371	18.29591482
HFE:CCDS54974.1	-1.496941853	1.298251856	18.28818419
RGS6:CCDS55925.1	-0.961677224	2.380485169	18.28309461
LGALS9B:CCDS42283.1	-1.179193582	0.261159552	18.27022527
KCNA6:CCDS8534.1	-0.930334181	2.803727202	18.26308852
OR4F17:CCDS32854.1	-1.668893447	-0.481270834	18.26186655
RGS6:CCDS55924.1	-0.962388751	2.459071594	18.26173666
KCNC2:CCDS9007.1	-1.01287621	1.531851923	18.26024094
PCDH18:CCDS34064.1	1.174783551	5.375093752	18.25014733
CLEC4A:CCDS8591.1	-1.159047166	-0.083404662	18.23849958
SLC7A13:CCDS34917.1	-1.658849342	0.064498745	18.23497269
PRB2:CCDS41757.2	-1.75164647	-0.226164149	18.23370111
ALOX15:CCDS11049.1	-0.813724074	1.51043899	18.22999105
FAM46D:CCDS14446.1	-1.693179992	-0.257978685	18.22787641
ATP2B4:CCDS1440.1	0.746681869	6.240908528	18.22123504
GPR65:CCDS9879.1	-1.697337831	-0.397576094	18.21394873
TMEM207:CCDS3297.1	-1.83561575	-0.925112205	18.20248601
SDR42E1:CCDS42205.1	-1.699635352	0.638936784	18.18412829
GPR31:CCDS5299.1	-1.674969225	-0.455228972	18.16685258
KIF13A:CCDS54967.1	0.6808812	5.278644022	18.1638375
PLXNA4:CCDS43646.1	-0.901475158	5.380952273	18.15464616
ERMN:CCDS46431.1	-1.256905255	0.096085759	18.15458457
PDIA6:CCDS1675.1	0.752229063	7.459192627	18.14485494
HRH4:CCDS11887.1	-1.580106056	0.549484374	18.14301397
PRR18:CCDS5291.1	-1.479636241	-0.28463258	18.12225204
KCNK16:CCDS47420.1	-1.713240459	-0.309157329	18.10533418
OR13C9:CCDS35093.1	-1.747268231	-0.679791099	18.08716956
SP140:CCDS42831.1	-0.939738492	2.378992997	18.08251661
TBC1D2:CCDS35080.1	-0.758849798	2.593787187	18.07729249
BIRC3:CCDS8315.1	-1.095968861	0.781111208	18.06515626
DDHD2:CCDS34883.1	0.784814438	5.043482454	18.05935837
MYOZ2:CCDS3711.1	-2.358462056	0.494471851	18.05832658
CARD16:CCDS31661.1	-1.745643406	-0.297355661	18.05483404
MC5R:CCDS11868.1	-1.358981333	-0.288142981	18.02837831
AGAP3:CCDS55185.1	-0.842771121	6.264344207	18.01556787
PTPLAD2:CCDS43791.1	-1.665557194	-0.180355679	18.0151268
HSD17B13:CCDS47097.1	-1.253373061	-0.016530907	18.01375124
FBXO32:CCDS6345.1	-1.123511933	2.544302733	18.00866846
HOXD3:CCDS2270.1	-1.988584604	1.50292581	18.00101262
MYZAP:CCDS10162.1	-1.437929396	1.627105107	17.99969073
PSG8:CCDS46090.1	-1.731987687	0.040739867	17.99350486
CTRC:CCDS156.1	-1.168252699	-0.160360714	17.98818804
MSLN:CCDS32356.1	-0.870842959	1.725340916	17.97945846
CAPN12:CCDS12519.1	-0.989604465	1.298187011	17.97789831
OR56B4:CCDS31406.1	-1.314679822	-0.436004084	17.97480744
GSG1:CCDS55807.1	-0.905244478	1.775263215	17.96948996
OR7C2:CCDS12320.1	-1.365533767	-0.53210768	17.96904163
ZSWIM2:CCDS33348.1	-1.148105356	0.631726554	17.96797593
NAP1L1:CCDS9013.1	1.011235454	8.153577391	17.96273411

TAUvsControls

ATP6V1G3:CCDS1396.1	-1.818296849	-0.713292695	17.95253659
TCF23:CCDS33163.1	-1.668215227	-0.366231067	17.94081257
MCOLN3:CCDS701.1	-1.890201904	2.15757985	17.94062616
KIF13A:CCDS47380.1	0.6754661	5.307415654	17.93645379
ART3:CCDS47080.1	-1.314033224	0.554254925	17.93573021
ITGB8:CCDS5370.1	0.947323707	4.659123467	17.93115713
RAPSN:CCDS7936.1	-1.973122373	1.495641152	17.92564911
BEST3:CCDS8992.2	-0.978094558	1.402303281	17.91824666
ERP27:CCDS8670.1	-1.684468937	-0.151064467	17.90802784
NCR3:CCDS47401.1	-1.467882437	0.045090313	17.90661087
CDK18:CCDS1454.1	-1.183115702	3.194608249	17.90604313
SSTR5:CCDS10429.1	-1.643206539	-0.001346366	17.9054394
OR51I2:CCDS31383.1	-1.778319442	-0.402144403	17.90081139
SLC27A3:CCDS1053.1	0.745361177	4.58766856	17.89877735
PLEKHB1:CCDS44675.1	-1.064060369	2.44726139	17.88900784
OR10J1:CCDS1185.1	-1.711694734	-0.366358688	17.88779759
CDK18:CCDS44300.1	-1.186663176	3.181729441	17.88562785
MS4A10:CCDS7992.1	-1.787085669	0.073602936	17.87902738
C5orf63:CCDS54895.1	-1.757005912	-0.823097285	17.87164567
KRTAP9-1:CCDS56029.1	-1.666984946	-0.599797757	17.86697141
TMEM190:CCDS33113.1	-1.696879265	-0.096936782	17.85318198
PSG9:CCDS12618.1	-1.666278952	0.400050107	17.85241942
PRKACG:CCDS6625.1	-1.34029942	-0.133500426	17.84701941
KRTAP10-2:CCDS42955.1	-1.716274402	-0.521420736	17.84557747
ADAM28:CCDS47830.1	-1.7583475	1.660481596	17.84428142
PROL1:CCDS43235.1	-1.654807578	-0.46773991	17.84143554
ART3:CCDS3575.1	-1.31156744	0.708003317	17.83819045
LRIT1:CCDS7373.1	-1.052881731	0.899710622	17.83454296
LHCGR:CCDS1842.1	-1.727430532	1.523060432	17.8343876
OR2L8:CCDS31101.1	-1.684514061	-0.370216356	17.82191382
CYSLTR1:CCDS14439.1	-1.290804271	-0.045566736	17.80933989
OR6C68:CCDS31826.2	-1.664328335	-0.36540259	17.8084005
OR52B6:CCDS41611.1	-1.651708775	-0.564972694	17.79037253
C9orf131:CCDS6572.2	-0.878833044	1.441793679	17.78827778
SUV39H1:CCDS14304.1	-1.176554	3.449525504	17.78389023
OR5C1:CCDS35131.1	-1.163699154	-0.539686488	17.78307202
ZNF365:CCDS7265.1	-1.823683568	-0.479990416	17.78214324
GRM3:CCDS5600.1	-0.977067784	3.68431422	17.78189011
OR10R2:CCDS30898.1	-1.608974592	-0.18811943	17.77949387
SLC19A3:CCDS2468.1	-1.04013469	0.599465859	17.76739331
ST6GALNAC1:CCDS11748.1	-1.118427519	0.843714447	17.75101179
MAMDC2:CCDS6631.1	-1.085920415	1.879183532	17.75041423
SPANXN2:CCDS35419.1	-1.784624504	-0.657371679	17.74575286
TUBA3D:CCDS33290.1	-1.477062546	3.727959533	17.73813701
NCR2:CCDS4855.1	-1.316917536	0.132193674	17.73267876
MAGEA9:CCDS14691.1	-1.742431414	-0.467697801	17.73203385
OR12D2:CCDS4659.1	-1.672243722	-0.452525141	17.72919566
LGSN:CCDS4964.1	-1.872782069	0.295587624	17.72816053
SMPDL3B:CCDS30655.1	-1.088370191	1.319368683	17.72734211
A1CF:CCDS7243.1	-1.208568581	0.812460656	17.7216298
SLC23A1:CCDS4213.1	-1.029361044	1.001912046	17.71944952

TAUvsControls

UGT1A5:CCDS33404.1	-1.0547816	0.700030415	17.71931615
GP6:CCDS46184.1	-1.246081617	0.469764392	17.71693253
NKX3-2:CCDS3410.1	-1.12156719	0.179800586	17.71372711
OR9I1:CCDS31542.1	-1.678306489	-0.551390601	17.70197988
SMYD1:CCDS33240.1	-2.395095748	1.309023473	17.69778626
EMR2:CCDS32935.1	-0.977491467	1.937063648	17.69677389
CKM:CCDS12659.1	-2.225801802	2.907108844	17.69018833
CX3CR1:CCDS43069.1	-1.946658355	-0.071678772	17.68981279
KCNC2:CCDS9005.1	-1.014549584	1.445778188	17.68968555
HSD17B13:CCDS3618.1	-1.238113084	0.197193924	17.68684754
TCIRG1:CCDS8177.1	-0.819222453	2.72828915	17.68683596
HR:CCDS6022.1	-1.120474341	2.537243148	17.68559624
GLOD5:CCDS55410.1	-1.584460746	0.043965449	17.68261289
CCR2:CCDS43078.1	-1.676144336	-0.158538663	17.65956801
CRYGA:CCDS33367.1	-2.32835498	1.524358045	17.65681628
LIPM:CCDS44457.1	-1.166399187	0.1693471	17.65351578
HAUS4:CCDS9580.1	0.698711295	4.452138347	17.64891132
APOL1:CCDS46702.1	-1.24811324	0.674731001	17.64726837
IL9:CCDS4189.1	-1.713480737	-0.772738896	17.64673375
PLCD4:CCDS46516.1	0.797068703	3.048194241	17.63646412
TAS2R42:CCDS31747.1	-1.641502073	-0.456477042	17.63427489
CHST4:CCDS10902.1	-1.264537232	0.442045392	17.63084209
TRIM72:CCDS32437.1	-1.433029612	0.746038998	17.62586466
MUC15:CCDS7859.1	-1.674025029	-0.136357982	17.62164735
IL5RA:CCDS2559.1	-1.031417621	0.879776972	17.61911116
FSHR:CCDS1844.2	-1.185773855	0.772533843	17.61574053
C12orf54:CCDS8764.1	-1.649699665	-0.336558078	17.61351448
DPP4:CCDS2216.1	-1.062835197	2.137171652	17.60964599
PRB1:CCDS8642.1	-1.78013969	-0.653981869	17.597241
SLC6A19:CCDS34130.1	-1.683413673	1.172200814	17.58650916
OR1L8:CCDS35124.1	-1.719049442	-0.615022217	17.58207891
MSLN:CCDS45370.1	-0.865785047	1.708969991	17.56843034
NCR3:CCDS34397.1	-1.391763734	0.143320959	17.56781589
OR10A5:CCDS7773.1	-1.66596058	-0.454429801	17.56192015
C10orf55:CCDS53541.1	-1.058725854	0.513547924	17.56098942
GNRHR:CCDS47064.1	-1.147855328	-0.05894806	17.56075345
SNTG1:CCDS6147.1	-0.878127145	1.700260802	17.55796415
PRPH2:CCDS4871.1	-1.827098311	0.362487458	17.55608581
SLFNL1:CCDS460.1	-1.128375424	0.640083484	17.55087571
DRAM1:CCDS41823.1	-1.08561125	1.924574474	17.54619769
VIT:CCDS54350.1	-2.025733607	-0.256698085	17.53442959
GLRA3:CCDS43283.1	-1.329736536	0.647479038	17.52672081
ADAM20:CCDS32111.1	-0.994934519	0.691246076	17.52664242
TMEM125:CCDS480.1	-1.705037569	-0.65583301	17.52211742
ESM1:CCDS47206.1	-1.298239351	-0.695746576	17.51877649
HFE:CCDS4579.1	-1.515078851	1.031015919	17.51846606
OSCAR:CCDS12874.1	-1.006822918	0.095856316	17.48342968
FTMT:CCDS4128.1	-1.635950199	-0.017563314	17.47164687
SLC23A1:CCDS4212.1	-1.022975696	0.99640196	17.46330758
OR2T34:CCDS31120.1	-1.661815194	-0.506693784	17.46191533
OR2G3:CCDS31093.1	-1.681733564	-0.432922527	17.46020871

TAUvsControls

XAGE1C:CCDS43955.2	-1.878872235	-0.804841542	17.45579502
FTHL17:CCDS14227.1	-1.690593036	-0.683316253	17.43670081
CLEC7A:CCDS8613.1	-1.682839193	0.062121003	17.43632313
ALDH7A1:CCDS56380.1	0.818043137	5.705067445	17.43569539
GDF9:CCDS4162.1	-1.095679188	0.248994109	17.43382605
KIF13A:CCDS47381.1	0.655238288	5.340982781	17.42556967
LSP1:CCDS31334.1	-1.171604119	1.802708226	17.41793309
RASGRP4:CCDS54264.1	-0.998258045	1.508010083	17.39888744
CT45A4:CCDS35405.1	-1.833114672	-0.648800497	17.39711542
MYOD1:CCDS7826.1	-2.542756783	0.724416909	17.38972853
LHX8:CCDS30756.1	-2.180191234	0.813653326	17.3794034
OR51I1:CCDS31382.1	-1.707390219	-0.481007766	17.3740984
DAPK2:CCDS10188.1	-1.295062422	1.16946294	17.37138966
FABP12:CCDS47882.1	-1.711885151	-0.53467262	17.36246601
HPSE:CCDS56337.1	-1.146000631	0.763918711	17.3609834
MYT1L:CCDS46222.1	-0.926224912	4.330218969	17.34579332
MAGEE2:CCDS14431.1	-1.100363925	0.296241098	17.34040314
OR51B4:CCDS7757.1	-1.692488776	-0.578361725	17.32897415
TXNDC2:CCDS11846.1	-1.239823262	0.841175363	17.32752516
OR52J3:CCDS31370.1	-1.604333353	-0.176026997	17.32583616
LYZL6:CCDS11302.1	-1.826752454	-0.673313473	17.31799172
OR2T4:CCDS31113.1	-1.647934057	-0.459451904	17.31776013
HPSE:CCDS3602.1	-1.182229228	0.892976671	17.31768383
HPCA:CCDS370.1	-1.286033752	2.955296583	17.31123867
TRIM6:CCDS55738.1	-1.191597246	0.739577402	17.30675926
OR7A5:CCDS12318.1	-1.344262286	-0.594661359	17.30269498
ANGPT4:CCDS13009.1	-1.397629367	1.628307785	17.29985385
HAPLN1:CCDS4061.1	-2.485337283	1.714103842	17.2972844
ZNF534:CCDS46165.1	-1.043530767	0.653427527	17.29453798
TMEM184A:CCDS43537.1	-1.408254326	0.809930025	17.29341021
OR52I2:CCDS31355.1	-1.647284396	-0.49732301	17.28359209
C6:CCDS3936.1	-1.259349415	1.576416676	17.27856165
DYM:CCDS11937.1	0.660409104	5.041541451	17.27818056
SLCO2A1:CCDS3084.1	-1.000973598	1.308092124	17.27678945
IGFL2:CCDS46122.1	-1.075288624	-0.27999513	17.27560088
DOCK6:CCDS45975.1	0.882409138	6.308929928	17.27068852
CLEC5A:CCDS5870.1	-1.737919368	0.059452768	17.26570411
DUOXA1:CCDS10119.1	-0.887523933	1.033453964	17.26203296
HTR1E:CCDS5006.1	-1.118617305	0.189320833	17.24529418
C1QL3:CCDS31156.1	-1.422103549	0.51180053	17.24528834
TNFRSF18:CCDS9.1	-1.065295504	-0.134230153	17.23937112
PTPN6:CCDS44820.1	-0.965200833	1.56213394	17.2389435
TFPI2:CCDS5632.1	-1.05258094	1.737964097	17.22803322
C15orf48:CCDS10124.1	-1.394929998	0.027945492	17.22446013
CSF1R:CCDS4302.1	-0.824302684	1.851151311	17.21154204
CHMP3:CCDS42707.1	0.66846996	4.459244498	17.209575
NOSTRIN:CCDS42771.1	-1.068489852	1.23396963	17.20533821
ANKRD2:CCDS7466.1	-0.949362667	0.608900732	17.1988377
ACSL5:CCDS7572.1	-1.020699677	1.628230249	17.19731477
OR2L13:CCDS1637.1	-1.186257815	-0.312926357	17.18794899
SLC17A9:CCDS42901.1	-1.019009525	1.138921267	17.1867058

TAUvsControls

FCER1A:CCDS1184.1	-1.640005305	-0.195785387	17.18244989
TMEM144:CCDS3799.1	-1.125249172	0.406368938	17.17613518
SPP2:CCDS2511.1	-1.673638251	-0.212387603	17.1758678
CYB5R2:CCDS7780.1	-1.040802131	0.979552105	17.17563192
BFSP2:CCDS33859.1	-2.399799156	1.38125818	17.17032795
LSP1:CCDS31335.1	-1.209220344	1.541261555	17.16988992
ART3:CCDS47079.1	-1.324605391	0.80861075	17.16130263
OR10V1:CCDS31565.1	-1.68015924	-0.663356248	17.15294745
FCAR:CCDS12908.1	-1.611090648	0.144476089	17.15200769
KLK4:CCDS12809.1	-1.077573936	-0.116127778	17.14961153
IL5RA:CCDS46739.1	-1.156370253	0.616639557	17.14002995
GREM1:CCDS10029.1	-1.894030769	0.532276142	17.12921278
OR2AG1:CCDS31414.1	-1.711329789	-0.624640094	17.12029992
TAS2R1:CCDS3876.1	-1.667592157	-0.532568586	17.11819872
GJB3:CCDS384.1	-1.638882604	-0.274306163	17.107604
SVIL:CCDS7163.1	0.947764676	6.23994261	17.10427099
CMYA5:CCDS47238.1	-1.566094008	3.245494843	17.10425924
GSC2:CCDS13757.1	-1.70503875	-0.8404553	17.09245595
A1CF:CCDS7241.1	-1.183470927	0.801361839	17.07419684
OR5B2:CCDS31550.1	-1.647689733	-0.528909845	17.06997699
CMA1:CCDS9630.1	-1.128759396	-0.136862917	17.06812008
TMC8:CCDS32749.1	-1.235577759	1.2598955	17.06224449
MCF2:CCDS55514.1	-0.890551417	1.903526818	17.04040383
TEAD1:CCDS7810.2	0.789767352	3.46749822	17.03874612
PTPN6:CCDS44821.1	-0.958173021	1.587947591	17.02675757
TAS2R41:CCDS43663.1	-1.615224697	-0.435447029	17.02486635
OR8B2:CCDS31708.1	-1.678390634	-0.289865272	17.02425538
FCRLA:CCDS53418.1	-1.655439403	0.173021408	17.02357999
SLC36A3:CCDS47316.1	-1.079844934	1.14167013	17.01767419
FSHR:CCDS1843.1	-1.156166934	0.859259229	17.01444001
FFAR2:CCDS12461.1	-1.645901017	-0.107223111	17.01004316
A1CF:CCDS7242.1	-1.179519127	0.811502023	17.00562899
MYO18B:CCDS54507.1	-1.581947858	3.302215555	17.00426495
MRO:CCDS45867.1	-1.194394933	-0.031236678	16.99771104
CRX:CCDS12706.1	-2.2018014	0.757941273	16.99436809
PPP1R2:CCDS3309.1	-1.020124294	4.195414688	16.98984975
CCIN:CCDS6599.1	-1.004078269	0.437096023	16.98360319
SLC6A2:CCDS54011.1	-1.777684189	1.92261954	16.97593921
VPREB1:CCDS13798.1	-1.795471091	-0.857898154	16.96759995
SP140:CCDS33392.1	-1.700888674	-0.654879206	16.96505626
C10orf68:CCDS31177.1	-1.105997436	1.50815105	16.96378448
UGT1A4:CCDS33405.1	-1.04022537	0.64160767	16.96211066
ADRB3:CCDS6099.1	-1.171818291	0.000837918	16.96020498
OR2B11:CCDS31090.1	-1.622942327	-0.391013222	16.95771728
PLBD1:CCDS31751.1	-1.20734353	0.863624906	16.95660438
BTC:CCDS3566.1	-1.63959495	-0.022071682	16.95387928
XAGE5:CCDS14346.1	-1.664680498	-0.569925028	16.92629198
TNN:CCDS30943.1	1.158947605	3.346862676	16.92278716
MYZAP:CCDS42044.1	-1.423190778	1.47760558	16.91429023
C4orf22:CCDS56336.1	-1.317046029	0.173707406	16.91219306
KRTAP26-1:CCDS13588.1	-1.744814836	-0.897343299	16.9056197

TAUvsControls

FETUB:CCDS3279.1	-1.133525978	1.203591521	16.90517775
EFHC2:CCDS55405.1	-1.250583151	2.160589787	16.90397896
OR2T35:CCDS31123.1	-1.630252302	-0.334395481	16.89316603
LRR36:CCDS32467.1	-0.840616331	1.605742632	16.89062988
TMPRSS3:CCDS13686.1	-0.931637222	0.939591828	16.89037395
AGAP3:CCDS43681.1	-0.762266778	7.084135266	16.88142029
RNF212:CCDS46996.1	-1.256192358	0.951642363	16.87839608
DNAJC5G:CCDS1744.1	-1.671154327	-0.35429706	16.87690911
GAGE2C:CCDS35260.1	-1.420586825	-0.317763515	16.87174883
FCAR:CCDS42624.1	-1.609237738	-0.147647587	16.86838814
SLC10A4:CCDS3482.1	-0.969555209	1.317103742	16.86389905
OR10X1:CCDS30900.1	-1.5894918	-0.438239223	16.85665449
ELF3:CCDS1419.1	-0.955237905	0.728727177	16.85444057
POLH:CCDS4902.1	0.747228744	3.906335751	16.84757781
BMP15:CCDS14334.1	-1.640307481	-0.217286731	16.83544196
OR2C3:CCDS1634.2	-1.651001507	-0.047151656	16.83278909
MYL4:CCDS11510.1	-2.48252057	2.817954842	16.83166784
IL22RA2:CCDS5182.1	-1.660701106	-0.311239719	16.82378798
NOSTRIN:CCDS54415.1	-1.072744622	1.345789354	16.81960616
MYBPH:CCDS30975.1	-2.89428974	4.271857279	16.80956786
IL16:CCDS10317.1	-1.168671023	1.312277538	16.80340371
ICOS:CCDS2363.1	-1.751609103	-0.745285839	16.79624992
VN1R2:CCDS12862.1	-1.011290966	0.269674287	16.7954711
ISM1:CCDS46579.1	-1.046202393	1.347057576	16.78914152
TICAM1:CCDS12136.1	-1.055272496	1.504804084	16.7853013
PTPN20B:CCDS53533.1	-1.556470816	0.446407498	16.78383995
TMEM154:CCDS3779.1	-1.721233692	-0.283127769	16.77825304
RNASE6:CCDS9558.1	-1.65019046	-0.742698007	16.7679017
BTBD18:CCDS44603.1	-0.858561525	1.086411871	16.75516367
RXFP3:CCDS3900.1	-1.125231248	0.217105023	16.75345357
NXF2B:CCDS43979.1	-0.896243705	1.240438168	16.7516728
DUOXA2:CCDS10118.2	-1.160544195	-0.011293816	16.74916846
GSG1:CCDS55806.1	-0.910046726	1.649811241	16.74510273
GRB7:CCDS11345.1	-1.022925103	1.309489442	16.7415619
FGB:CCDS3786.1	-1.731610096	1.04574545	16.74058094
HSFY2:CCDS35476.1	-1.744834642	-0.669536576	16.73840715
GZMB:CCDS9633.1	-1.797598079	0.469052707	16.72825107
ZNF534:CCDS46166.1	-1.025432598	0.609769837	16.72604327
NLRP4:CCDS12936.1	-2.394295059	1.392821448	16.72110556
SLC6A2:CCDS10754.1	-1.773513427	1.937365022	16.71078711
BEST3:CCDS41810.1	-0.954410426	0.520399999	16.70907601
BATF:CCDS9843.1	-1.679359274	-0.531310491	16.70247488
GJA3:CCDS9289.1	-1.324031059	0.161388548	16.69266588
ALDH7A1:CCDS4137.2	0.790056374	5.933077096	16.68082858
ICAM1:CCDS12231.1	-1.402366602	3.607684449	16.67736524
ATP6V1G3:CCDS1395.1	-1.718851751	-0.752012754	16.6664259
TMEM95:CCDS32546.1	-1.104025229	-0.279119311	16.66066891
OR11G2:CCDS32032.1	-1.602846904	-0.305489973	16.65884493
MIP:CCDS8919.1	-1.956007084	1.24298481	16.647637
GCM2:CCDS4517.1	-1.235902995	0.995958006	16.64397814
OR2T29:CCDS55695.1	-1.672139516	-0.45907512	16.64270387

TAUvsControls

PRB1:CCDS55805.1	-1.757638337	-0.778769147	16.63744085
CT45A6:CCDS35407.1	-1.76146296	-0.669684848	16.63388592
OR5P3:CCDS7783.1	-1.613402652	-0.429165442	16.62572182
RNF150:CCDS34065.1	0.881366137	3.493310167	16.62347432
FOX4:CCDS34975.1	-0.965623019	0.443942696	16.60829554
PABPC1L2A:CCDS35334.1	-1.12939988	0.929137645	16.60609128
KIR2DL3:CCDS33107.1	-1.633029383	0.965975681	16.60576657
ITLN1:CCDS1211.1	-1.739408844	1.304706475	16.593013
FGF4:CCDS8194.1	-1.548520454	-0.094164939	16.59093443
PDYN:CCDS13023.1	-2.06302105	0.834047258	16.58492153
CNGA1:CCDS47050.1	-0.8649786	1.746494201	16.57810045
OPRM1:CCDS43518.1	-1.047732087	0.990604697	16.57026988
IL5RA:CCDS2560.1	-1.142153235	0.645440998	16.56833927
OR51B2:CCDS31377.1	-1.611784182	-0.287059938	16.56461798
OR2L3:CCDS31104.1	-1.587428871	-0.296309288	16.56418677
OR1S2:CCDS31545.1	-1.636050989	-0.433101637	16.55708452
OR4C3:CCDS31489.1	-1.629578954	-0.411813008	16.54752014
NCL:CCDS33397.1	0.70924895	8.623565811	16.54394273
NMUR1:CCDS2486.1	-1.017752671	0.227600802	16.54256341
OTOF:CCDS1725.1	-0.947754066	3.136290693	16.53816073
CD3D:CCDS41724.1	-1.725105866	-0.738253595	16.53749997
OLAH:CCDS31152.1	-1.579239105	0.212399493	16.5313396
OR7C1:CCDS12317.1	-1.303906646	-0.422239696	16.52665674
MYH6:CCDS9600.1	-0.935124245	3.098954209	16.52475369
CYP4X1:CCDS544.1	-1.545792465	2.163391694	16.52019619
NTRK2:CCDS35050.1	0.883204852	6.289247308	16.51810263
SPERT:CCDS9399.1	-0.990574042	0.324633513	16.51549185
NXF2:CCDS14497.1	-0.904476855	1.242740421	16.50661181
BSX:CCDS41728.1	-1.253034401	-0.350105552	16.49903844
KRTAP5-5:CCDS41592.1	-1.266688317	-0.792054333	16.4967031
PABPC1L2B:CCDS43972.1	-1.134643267	0.928911789	16.49594088
GPR174:CCDS14443.1	-1.638168306	-0.595358407	16.48592159
EPCAM:CCDS1833.1	-1.413371784	0.797805395	16.48281287
GLRA3:CCDS3822.1	-1.252767065	0.734257352	16.46388611
SPI1:CCDS44591.1	-1.085444974	0.298744767	16.46103957
OR4D11:CCDS31563.1	-1.623678836	-0.385508131	16.44387841
ABCC6:CCDS10568.1	-0.794895103	2.711124659	16.44352286
CFHR3:CCDS30958.1	-1.838888463	0.305590225	16.42781203
EDARADD:CCDS1610.1	-1.264397271	-0.383973445	16.42743616
OR6Y1:CCDS30899.1	-1.626990362	-0.482474491	16.42740554
RBM46:CCDS3790.1	-1.009332113	0.220876503	16.42620936
PPAP2C:CCDS12024.1	-1.143015816	1.037311149	16.4178637
NTRK2:CCDS6671.1	0.878189486	6.306282577	16.41456923
SLIT3:CCDS4369.1	1.12337236	7.19663965	16.40750461
LYPD5:CCDS46096.1	-1.161421859	0.121683072	16.40724218
BRWD1:CCDS33557.1	-0.848928504	3.640024149	16.39795743
FABP5:CCDS6228.1	-1.071933345	5.117428258	16.39091624
HSFY1:CCDS14790.1	-1.737634712	-0.674048073	16.39068983
TP63:CCDS3293.1	-1.221711755	1.431613513	16.39050611
MTHFS:CCDS10311.1	-1.006826379	1.72162429	16.39008787
LY86:CCDS4498.1	-1.61528675	-0.516706392	16.385981

TAUvsControls

KCNC2:CCDS9006.1	-0.986238553	1.270600498	16.38160514
OR13C8:CCDS35090.1	-1.615405413	-0.553054854	16.37445716
FAM49A:CCDS1688.1	-1.12836455	4.268337298	16.37184511
C1orf116:CCDS44306.1	-1.230487675	0.317949079	16.36802194
ATP2B3:CCDS14722.1	-0.78197694	4.479559302	16.3652135
SGCA:CCDS32679.1	-2.461939576	3.480502104	16.35937122
KCNK1:CCDS1599.1	-1.122481242	2.318784088	16.35490889
CYP4F2:CCDS12336.1	-0.885326873	0.824626561	16.35462964
FRMPD4:CCDS35201.1	-1.004941465	2.244701252	16.35307946
KRTAP10-10:CCDS33585.1	-1.660902202	-0.586487428	16.35158819
HNMT:CCDS2181.1	-1.067325222	0.46037262	16.35076268
SPRY3:CCDS14769.4	-0.887943168	1.339459074	16.34367588
OR6C6:CCDS31817.1	-1.641574131	-0.780835911	16.32419157
FBXO32:CCDS56553.1	-1.124838667	2.165471705	16.31997519
MAPK10:CCDS3613.1	0.847352001	4.791335259	16.3056885
UGT1A10:CCDS33403.1	-1.065770943	0.802516924	16.30419147
HTR2A:CCDS53867.1	-1.300310524	0.249418132	16.29891878
PLEKHB1:CCDS44672.1	-1.055919026	2.717591587	16.29391609
NUCKS1:CCDS30987.1	0.808257699	6.539971404	16.28217076
CCR6:CCDS5298.1	-1.074501128	-0.088057496	16.27968046
C8orf86:CCDS6108.1	-1.646139542	-0.269804299	16.27849607
SVIL:CCDS7164.1	0.926752168	6.322443654	16.26531382
TM4SF20:CCDS2466.1	-1.613109337	-0.33691376	16.26159908
SGCA:CCDS45729.1	-2.475436837	3.146203039	16.25210381
ABHD12B:CCDS9702.1	-1.011626529	0.632684884	16.2476074
ASCL4:CCDS31894.2	-1.705910594	-0.951811011	16.24610204
MYBPC1:CCDS9084.1	-1.37419169	3.214117425	16.24536485
IL31RA:CCDS56366.1	-1.068133283	1.380532189	16.2338207
TTN:CCDS54424.1	-0.974309068	6.821270917	16.21964121
IMPG2:CCDS2940.1	-1.903977957	3.231265939	16.20024647
FAM83G:CCDS42276.1	-1.031377376	1.892550061	16.19057422
CX3CR1:CCDS54571.1	-1.818007572	0.171552383	16.18569419
ELOVL7:CCDS34164.1	-1.376595493	0.615791576	16.18515735
CHRNA9:CCDS3459.1	-1.376393913	0.726705419	16.18337744
ZMYND15:CCDS45584.1	-0.986150174	1.427636801	16.18321425
OR13H1:CCDS35396.1	-1.626015567	-0.617660696	16.17182195
CLEC4D:CCDS8593.1	-1.61601677	-0.438881232	16.17043528
HAND1:CCDS4327.1	-1.618498935	-0.261958433	16.16904046
FAM83A:CCDS6339.1	-1.541894341	0.215105582	16.15772884
FOXL1:CCDS10959.1	-1.072219545	-0.199115474	16.15183614
GPR182:CCDS8927.1	-0.943076441	0.061218875	16.15110218
ACVRL1:CCDS31804.1	-1.002657684	1.269452677	16.14360798
OR5H6:CCDS33800.1	-1.625907907	-0.567071578	16.13985899
HSD17B11:CCDS3619.1	0.755489126	2.939577637	16.138246
MAGEB6:CCDS14217.1	-1.37520778	-0.275491651	16.13795537
MYBPC1:CCDS9083.1	-1.376003591	3.246432797	16.13019416
TP63:CCDS46978.1	-1.198555203	1.292072622	16.12656391
FOXD4L6:CCDS43826.1	-1.291438606	0.066594293	16.12383632
C2orf71:CCDS42669.1	-1.444540729	1.629951834	16.12366945
RNF103-CHMP3:CCDS56128.1	0.679272445	4.803218989	16.12095114
ETV7:CCDS56422.1	-1.650180232	-0.566455382	16.12018372

TAUvsControls

OR2T1:CCDS31115.1	-1.614615947	-0.256807165	16.1166435
LIPK:CCDS44455.1	-1.611590411	0.105095386	16.11383061
GRB2:CCDS11722.1	-0.765701382	5.385590038	16.11093284
SPI1:CCDS7933.2	-1.07634647	0.282722922	16.10917729
OR1B1:CCDS35126.1	-1.554230654	-0.055240694	16.10694595
ATP2B3:CCDS35440.1	-0.783569039	4.484896876	16.10315079
ILDR2:CCDS1256.1	0.88433099	4.06799638	16.1012739
GIMAP6:CCDS34778.1	-1.681666796	0.000264133	16.09816539
OR5R1:CCDS31530.1	-1.612093365	-0.608734737	16.09097493
CAPN9:CCDS1586.1	-0.917615017	1.93691204	16.08518267
SLC25A43:CCDS14577.1	-1.539300294	1.699194365	16.08374285
OR4M1:CCDS32021.1	-1.645469702	-0.571349541	16.08330113
SCN11A:CCDS33737.1	-1.045666366	2.374721545	16.08194455
OTOF:CCDS46241.1	-0.95274622	2.491002476	16.07822508
HFE2:CCDS912.1	-1.895103006	-0.646710107	16.07635979
SLC17A7:CCDS12764.1	-1.609387715	4.406800623	16.07537372
PDCL2:CCDS47059.1	-1.621776018	-0.376635566	16.07531244
CTHRC1:CCDS6299.1	-1.313212165	0.540792561	16.07200045
OR6K3:CCDS30903.2	-1.594580633	-0.278932425	16.07182993
CXorf64:CCDS48163.1	-2.308223602	-0.394495395	16.07126407
SIRT4:CCDS9194.1	-0.886594685	1.523056475	16.06430004
EDARADD:CCDS31065.1	-1.224998353	-0.394691079	16.05715106
GFAP:CCDS45708.1	-2.195222489	4.754851762	16.05622323
GREM1:CCDS53927.1	-1.865655919	0.51556276	16.04872003
ASB9:CCDS14163.1	-1.136425259	0.321931798	16.03997029
NPY2R:CCDS3791.1	-1.040905348	0.193514446	16.03637702
FAM177B:CCDS1535.2	-1.85810307	-0.636385227	16.03247147
OR8B3:CCDS31709.1	-1.597114933	-0.254743711	15.9945158
IL31RA:CCDS56365.1	-1.077297314	1.392627887	15.99220422
MYBPC1:CCDS9085.1	-1.367090771	3.149428218	15.99210154
CASQ2:CCDS884.1	-1.781154877	1.286104919	15.96255994
OSCAR:CCDS12875.1	-0.948527322	0.31677158	15.96175436
IL15RA:CCDS7075.2	-1.119243312	0.487137966	15.95934168
EFCAB4B:CCDS44803.1	-1.163492783	1.37160968	15.9592172
MAGEB18:CCDS14216.1	-1.577012917	-0.251089366	15.95113834
TMCO4:CCDS198.1	-1.276938232	1.66633406	15.94276912
MLIP:CCDS4954.1	-0.889431023	1.814141335	15.93415331
OR2D3:CCDS31417.1	-1.590882388	-0.569755799	15.93369137
NRG2:CCDS54910.1	-0.997818754	2.285091047	15.92293093
GPR45:CCDS2066.1	-1.326422795	0.394227933	15.91774434
ESM1:CCDS3963.1	-1.127348579	-0.347332475	15.91597299
IGSF11:CCDS2983.1	-1.30091807	1.539399205	15.9158714
ADH1A:CCDS3648.1	-1.15560778	0.574767622	15.91194819
DPEP2:CCDS10857.1	-1.142071445	0.684095536	15.90453068
SHROOM1:CCDS54902.1	-0.793526165	1.912149703	15.90444703
GABARAPL2:CCDS10921.1	-0.661031952	5.993897002	15.90361793
OR2A12:CCDS43670.1	-1.6320139	-0.565851431	15.89623756
OR13D1:CCDS35094.1	-1.683791946	-0.721584168	15.88915306
SSX4:CCDS35240.1	-1.70098775	-0.281918152	15.88392548
GFAP:CCDS11491.1	-2.16159208	4.916720158	15.88236057
RHBDF2:CCDS32743.1	-0.901805593	2.058430871	15.88185672

TAUvsControls

LMOD2:CCDS47693.1	-1.61316533	1.140500422	15.87067976
RSPO4:CCDS42846.1	-1.565200492	0.285882159	15.86855897
CXCR2:CCDS2408.1	-1.671324283	-0.319702298	15.86702703
BZRAP1:CCDS45742.1	-0.629206128	4.587775014	15.85751108
PCDH15:CCDS44404.1	-0.714596446	3.490176842	15.85200209
GPR113:CCDS46238.1	-0.985490684	1.9374933	15.84213038
RHBF2:CCDS32744.1	-0.902696055	2.024166453	15.84009097
ECM1:CCDS954.1	-0.930184537	3.929758263	15.83986555
MYBPC1:CCDS55877.1	-1.357375431	3.11186584	15.83309861
OR4A47:CCDS31490.1	-1.590823581	-0.266067032	15.81675644
EXOC3L4:CCDS32163.1	-2.217787107	3.396659224	15.80765678
NOSTRIN:CCDS54416.1	-1.042719896	1.1628413	15.80078553
OR4F4:CCDS32343.1	-1.589362181	-0.519605409	15.79831951
CXorf22:CCDS14237.2	-0.878585978	1.325930026	15.79799874
PCDH15:CCDS44401.1	-0.714494052	3.438273965	15.79726153
LRRRC8E:CCDS12189.1	-0.77647044	1.051467911	15.79005374
BHLHE22:CCDS6179.1	-1.158783976	2.660791408	15.77610291
HFE:CCDS47386.1	-1.476842889	0.940073162	15.77180785
LYPD5:CCDS12631.1	-1.20247084	-0.114390452	15.7715582
SLC2A14:CCDS8585.1	-0.842849326	1.805476863	15.75584125
WDR93:CCDS32326.1	-0.911419924	1.288871546	15.73683693
TRIM55:CCDS6187.1	-1.682389096	1.541110104	15.72060793
CA13:CCDS6236.1	-1.102603783	0.427658847	15.71992174
TMPRSS7:CCDS43129.2	-0.990431408	1.309331463	15.71511473
ADRB2:CCDS4292.1	-1.104013706	0.198496372	15.71011044
ASB9:CCDS55372.1	-1.14245945	0.278352758	15.70656366
HOXC4:CCDS8873.1	-2.029742996	3.18986294	15.70608291
PHF11:CCDS31975.1	-1.185297576	1.038186844	15.70236604
IL7:CCDS6224.1	-1.622558769	-0.287467902	15.70050488
DMKN:CCDS54251.1	-0.951081453	2.180085458	15.69850257
LY75-CD302:CCDS56141.1	-1.137938172	2.979287292	15.69521744
FAP:CCDS33311.1	-1.232783828	3.45195437	15.69497094
PRTG:CCDS42040.1	1.678928045	4.561052821	15.69134611
ABI3BP:CCDS46880.1	-1.153726793	3.221040028	15.68915757
ADRA1B:CCDS4347.1	-1.55760012	1.200083187	15.6848671
CASP1:CCDS8332.1	-1.690242716	-0.492353605	15.68436264
FXVD4:CCDS7203.1	-1.669091333	-0.806286931	15.6821409
OR51A7:CCDS31364.1	-1.645873778	-0.454701182	15.6713904
SLC32A1:CCDS13307.1	-1.3087625	3.541164958	15.65835032
CDC42BPG:CCDS31601.1	-0.993507992	2.604503293	15.65408581
KRBOX1:CCDS54572.1	-1.833399099	-1.018612946	15.65281863
OR5K2:CCDS33804.1	-1.634906427	-0.5008756	15.6499783
TSHR:CCDS55935.1	-1.698475073	0.540190794	15.64271388
OR5M8:CCDS31533.1	-1.626714725	-0.685043085	15.63667902
RBMS2:CCDS8923.1	0.858225557	3.302045676	15.62306447
SHROOM1:CCDS4161.1	-0.790754161	1.893857716	15.61219941
GPR52:CCDS30941.1	-1.080969338	0.098407884	15.61180063
MYL7:CCDS5478.1	-1.208363164	0.739951106	15.61048189
KLK14:CCDS12823.2	-1.502652993	0.096334466	15.60158834
OR51L1:CCDS31369.1	-1.581980969	-0.228391181	15.58804457
OR1L4:CCDS35129.1	-1.610727154	-0.497387205	15.58442941

TAUvsControls

PTGER1:CCDS12309.1	-1.109160982	0.129905535	15.57449465
IGSF11:CCDS46891.1	-1.298632402	1.594403344	15.56788696
OR2G6:CCDS31119.1	-1.568140899	-0.531275908	15.56169102
CLEC7A:CCDS41754.1	-1.63139146	0.056703622	15.54487263
SLC28A1:CCDS10335.1	-1.331893979	-0.435462725	15.54120261
EBF1:CCDS4343.1	0.746113953	4.544697389	15.53515068
GIMAP5:CCDS5907.1	-1.612971521	-0.213703073	15.53373079
ANP32E:CCDS44215.1	1.058272718	4.291049111	15.53005414
FAM181B:CCDS31648.1	-1.126783891	3.521246636	15.52089978
ABHD6:CCDS2887.1	-0.958344225	3.757627554	15.52007819
COL8A1:CCDS2934.1	-2.030674307	3.4714131	15.51833122
GPD1:CCDS8799.1	-1.013366495	0.810938017	15.51279422
SAT1:CCDS14207.1	0.888886303	5.460077398	15.50271349
SSX2:CCDS14344.1	-1.600204929	-0.303411837	15.50070313
SFTPD:CCDS7362.1	-0.974821041	1.11192733	15.48689
ACSL5:CCDS7573.1	-0.979876524	1.541341637	15.4787113
KCNK5:CCDS4841.1	-1.019483926	0.599744132	15.47675938
CHAC2:CCDS33196.1	-1.016613822	1.619066479	15.47029922
BZRAP1:CCDS11605.1	-0.621194526	4.619924052	15.4681251
HR:CCDS6023.1	-1.063216443	2.494575191	15.46453721
PTPN13:CCDS47096.1	0.826834731	5.613678222	15.4595747
CHRD1:CCDS48148.2	-0.791004765	3.296855005	15.45940899
NTM:CCDS44778.1	-0.853721784	5.012341712	15.45444177
GLYATL3:CCDS47440.1	-1.553599527	1.297221163	15.44890655
OR4F15:CCDS32342.1	-1.601376445	-0.418502967	15.43779925
GNAZ:CCDS13804.1	-0.94133569	5.19879964	15.43736108
OPRM1:CCDS47507.1	-1.004224059	0.934177276	15.43723438
OR6C74:CCDS31816.1	-1.604344326	-0.615531677	15.43619772
ZFH3:CCDS10908.1	0.893818478	6.452214875	15.42268936
FMN1:CCDS45209.1	-0.902153649	2.143494958	15.4211885
LACRT:CCDS8883.1	-1.682762266	-0.498573559	15.41968703
VN1R4:CCDS33099.1	-1.65632338	-0.699631005	15.41466467
PITX1:CCDS4182.1	-2.350633731	1.830741971	15.41263531
ENPP2:CCDS6329.1	0.965542238	5.719064271	15.4105363
HOXA1:CCDS5401.1	-1.009130328	0.252243357	15.40558695
FOXO4:CCDS55440.1	-0.706589785	2.622177779	15.39961295
IL17B:CCDS4297.1	-2.47146559	0.186235817	15.38685665
IGFL2:CCDS46121.1	-1.046915333	-0.520693506	15.38604848
SEMA7A:CCDS53958.1	-0.652002943	4.424371591	15.38454444
FAM5C:CCDS1373.1	-0.98894256	3.32036332	15.38300898
OR8K1:CCDS31528.1	-1.632865486	-0.799328268	15.3818089
SALL3:CCDS12013.1	-0.959849631	3.063557989	15.38154
C4orf22:CCDS3587.1	-1.279104968	0.002212589	15.37485187
OR52E4:CCDS31401.1	-1.604221136	-0.654633561	15.36979288
NTM:CCDS8491.1	-0.847066868	5.17704363	15.36797305
ZNF233:CCDS33047.1	-0.964701794	1.289582806	15.36631881
FAM179A:CCDS1769.2	-1.101958333	1.991169098	15.3599951
ATP10A:CCDS32178.1	-0.827730059	2.863368462	15.34920985
CABP4:CCDS8166.1	-1.050441708	-0.171932367	15.34672891
SIRPB1:CCDS46571.1	-0.974185968	2.373019279	15.34362852
OTOR:CCDS13124.1	-1.587280037	-0.55876596	15.34016795

TAUvsControls

GOLGA7B:CCDS31265.1	-1.248887947	2.398770164	15.33704138
CP:CCDS3141.1	-1.043425014	3.512553456	15.32564803
BMP2:CCDS13099.1	-0.967659083	1.554317559	15.32322341
GLRX2:CCDS1380.1	-0.884432614	0.870048981	15.31519952
NTRK2:CCDS35052.1	0.915058318	6.138602046	15.31387426
PHF11:CCDS41887.1	-1.1824845	0.922934012	15.30698807
NTRK2:CCDS35051.1	0.909594895	6.157506379	15.30280528
ELFN2:CCDS33642.1	-0.935656242	3.489192458	15.30131256
TMEM179:CCDS9988.1	-0.837205233	1.529086984	15.30018954
OR1L6:CCDS35130.2	-1.570644653	-0.522686403	15.2989294
SYT17:CCDS10575.1	-0.8258386	3.351700654	15.29842892
UGT3A1:CCDS54841.1	-1.596501878	-0.456089471	15.29692503
PRSS8:CCDS45469.1	-0.960441677	0.604636936	15.29432229
SLC2A12:CCDS5169.1	-0.822939625	2.066884131	15.29030698
TG:CCDS34944.1	-1.318156272	3.355623352	15.28895172
SLC5A12:CCDS7860.2	-1.605852876	0.988437084	15.27560455
OR5H2:CCDS33801.1	-1.569564448	-0.321681542	15.27517596
SEMA7A:CCDS53959.1	-0.630599348	4.634145446	15.26633961
ANKK1:CCDS44734.1	-0.955789323	0.923287202	15.26593854
RASGRP4:CCDS54263.1	-0.928392115	1.425731471	15.26558577
PKD2L1:CCDS7492.1	-0.972709009	1.688709938	15.26472928
P2RY14:CCDS3156.1	-1.252355501	-0.116643822	15.25524448
OR5V1:CCDS4657.1	-1.550452041	-0.441754227	15.24484617
ENPP2:CCDS47914.1	0.97051847	5.71646516	15.2435549
NAA11:CCDS47084.1	-1.611264417	-0.471641557	15.24213086
OR5T3:CCDS31524.1	-1.603818972	-0.368339069	15.23957903
STOX1:CCDS44416.1	-1.302274474	-0.297879435	15.23905007
OPRM1:CCDS47506.1	-0.997238664	0.849555235	15.23376005
PLEKHB1:CCDS44674.1	-1.015984516	2.615802168	15.22701678
CA2:CCDS6239.1	-0.970816427	3.244607427	15.21215325
AQP1:CCDS5431.1	-1.080518226	1.807476408	15.2089876
OSCAR:CCDS12873.1	-0.914169533	0.444297269	15.20486478
HYLS1:CCDS8467.1	-1.212364197	0.430298816	15.19923371
FXR1:CCDS33894.1	0.702817199	6.096929143	15.19155587
TRIM55:CCDS6184.1	-1.643256424	1.517894515	15.1755039
OR2S2:CCDS6596.2	-1.563906684	-0.47465846	15.16934622
ADRB1:CCDS7586.1	-1.042498994	0.935635247	15.16871035
MCF2:CCDS55515.1	-0.821285369	1.960966288	15.15914859
UBE2QL1:CCDS47189.1	-0.917785404	3.218831133	15.15674921
VSX1:CCDS13168.1	-1.09386873	0.669522713	15.15103307
KLHDC4:CCDS10963.1	0.609406565	4.110820043	15.14919182
C6orf99:CCDS55073.1	-1.400310665	-0.697844181	15.14786677
ENPP6:CCDS3834.1	-1.106505132	0.204454586	15.14603096
LMO4:CCDS713.1	-0.73147597	4.863771824	15.13741141
CCDC54:CCDS2949.1	-1.541104114	-0.491758567	15.1262348
LRAT:CCDS3789.1	-1.536172008	0.057098492	15.1233023
C10orf128:CCDS41519.1	-1.606957258	-0.123559551	15.10358778
FXR1:CCDS3238.1	0.693552373	6.191574686	15.09921081
IL10:CCDS1467.1	-1.631976841	-0.766668819	15.09748151
LY75-CD302:CCDS56140.1	-1.119551432	2.943337794	15.09597402
PTPN13:CCDS47095.1	0.789729213	5.715663738	15.09390216

TAUvsControls

NTRK2:CCDS35053.1	0.937520396	6.121582636	15.09136626
OR5P2:CCDS7782.1	-1.575100379	-0.358544683	15.0908495
CTPS2:CCDS14175.1	0.849655825	4.520971923	15.08784757
OPRM1:CCDS47505.1	-0.975140287	0.829298862	15.0873171
GPR139:CCDS32398.1	-1.319789117	-0.204003766	15.07225446
RSPH10B:CCDS34598.1	-1.202871491	1.752340401	15.07196668
GZMM:CCDS12031.1	-1.017852926	-0.325071295	15.0717182
OTUD6A:CCDS14395.1	-1.704888273	-0.064229128	15.07011641
OTOF:CCDS1724.1	-0.903690989	2.422399317	15.06948454
TCTN3:CCDS31258.2	0.582594284	5.46761777	15.06250177
RAPSN:CCDS7937.1	-1.810503448	1.143325814	15.06115571
SSX4:CCDS43934.1	-1.698537602	-0.480875609	15.06012665
MUC15:CCDS44556.1	-1.533086749	-0.101679466	15.05993649
OR11L1:CCDS31098.1	-1.547591643	-0.377542959	15.04677614
SPHKAP:CCDS46537.1	-1.305794042	3.312666753	15.04509925
FAM107A:CCDS2892.1	0.785832656	3.64700566	15.04365582
C3orf55:CCDS46943.1	-1.619652618	-0.341313652	15.042324
IGLL5:CCDS54506.1	-1.49788479	0.126052766	15.03750801
DLX2:CCDS2248.1	-1.10566904	2.167586302	15.02833791
EFNA1:CCDS1092.1	-0.932255519	2.348228903	15.02695957
BST2:CCDS12358.1	-1.409809423	3.086647593	15.02615987
IL13:CCDS4157.1	-1.609907494	-0.345020828	15.019362
TBC1D5:CCDS33714.1	0.703150077	4.693147611	15.01912033
SPHKAP:CCDS33389.1	-1.307050771	3.282257201	15.01751606
DDN:CCDS31791.2	-1.198241697	2.513906272	15.014642
FCAR:CCDS12910.1	-1.528127191	-0.000543081	15.00724808
SOCS2:CCDS9047.1	-0.7840477	2.447416699	14.99649243
SLC28A2:CCDS10121.1	-1.844688008	1.629710871	14.99624961
FXR1:CCDS46965.1	0.684510961	6.101190302	14.9935421
PRR21:CCDS33417.1	-1.870848175	0.241376334	14.99106406
ENPP2:CCDS34936.1	0.961441521	5.692742854	14.99006658
NTF3:CCDS8538.1	-0.929654202	0.634221797	14.98745162
OPALIN:CCDS41556.1	-1.691629905	-0.712941415	14.9837694
P2RY12:CCDS3159.1	-1.259437976	-0.090189921	14.97699217
SPZ1:CCDS43336.1	-1.940679242	0.577183555	14.97666055
TACR2:CCDS7293.1	-1.157783637	0.221860549	14.97153488
TXN2:CCDS13928.1	0.935387833	4.900176386	14.97012612
BHLHA9:CCDS45560.1	-1.587476623	-0.578015718	14.96885013
FCRLA:CCDS53420.1	-1.593619078	-0.245941024	14.96443825
GPR162:CCDS8563.1	-0.864625721	5.336922359	14.95686107
ADH4:CCDS34032.1	-1.526781705	0.591015725	14.95338975
HLA-DPB1:CCDS4765.1	-0.943414101	1.45344403	14.95068991
PDE1C:CCDS55099.1	-0.689325072	2.706417001	14.94605236
CLEC7A:CCDS8614.1	-1.604281227	-0.270501578	14.94491705
OR4K5:CCDS32024.1	-1.583600727	-0.61673751	14.94272219
OR9A2:CCDS34767.1	-1.671563806	-0.686570263	14.9328295
CSF2:CCDS4150.1	-1.549880519	-0.682215664	14.93013692
COL11A2:CCDS54992.1	-1.294741654	1.284459493	14.91924196
DNAH3:CCDS10594.1	-0.727550924	3.565654959	14.91027606
CDKN2B:CCDS6512.1	-1.26253307	0.357647061	14.88917905
CD74:CCDS34276.1	-1.07453659	1.074428942	14.88803834

TAUvsControls

OR5B12:CCDS31551.1	-1.536775151	-0.19482667	14.88117106
C10orf120:CCDS31302.1	-1.624638833	-0.161060633	14.87983856
KLHDC4:CCDS54051.1	0.597601292	4.010953342	14.87758389
ARPP21:CCDS43063.1	-1.458834389	0.711252103	14.87486594
ANGPTL7:CCDS128.1	-0.702073334	2.404268745	14.87167034
FGFBP2:CCDS3419.1	-2.141219761	0.112644985	14.87151143
RNF166:CCDS10969.1	-0.701490307	3.221475359	14.86847259
A4GALT:CCDS14041.1	-1.198402683	1.088694463	14.86506343
CLVS1:CCDS6176.1	-0.857857534	2.671952011	14.86268097
TXLNA:CCDS353.1	0.71502312	5.446682826	14.86058254
PITX3:CCDS7532.1	-1.368726422	0.663615868	14.85138838
RCAN1:CCDS13637.1	-0.855379563	3.993789262	14.84222166
OR10AD1:CCDS31787.1	-1.184563691	-0.410374479	14.8392178
TBC1D5:CCDS46770.1	0.706695008	4.73254561	14.82975399
TSPAN2:CCDS881.1	-0.929304648	1.273157313	14.82816343
GYPA:CCDS34069.1	-1.598903123	0.223044263	14.82570828
TAAR2:CCDS34541.1	-1.522945551	0.550610961	14.8247267
EIF3A:CCDS7608.1	0.752021061	7.312836074	14.81419237
FOLR1:CCDS8211.1	-1.333614521	1.947608406	14.81347309
AQP4:CCDS11889.1	-1.538151865	0.779980166	14.81289144
FAM129C:CCDS12362.1	-0.990914486	1.734379085	14.81270404
GRB7:CCDS56028.1	-1.08565135	1.464394648	14.80917701
GPR32:CCDS12801.1	-1.238552204	-0.283339551	14.80295764
TGFBI:CCDS47266.1	-1.316803466	7.762392275	14.7944414
GPR162:CCDS44819.1	-0.859125593	4.871547221	14.79006353
NOXRED1:CCDS45142.1	-0.937068925	0.057669901	14.78605059
RND1:CCDS8771.1	-0.895319101	2.704947696	14.78424561
IL2RA:CCDS7076.1	-1.546875365	0.011725931	14.77619997
SLC16A11:CCDS11086.1	-0.893576656	0.40887338	14.77275435
MAFG:CCDS11793.1	-0.891251817	2.300818008	14.76682271
OR52R1:CCDS31360.2	-1.559543039	-0.247501412	14.75432817
CHRD1:CCDS48149.1	-0.771209337	3.665645336	14.7496185
PTPN13:CCDS47093.1	0.7778366	5.733895738	14.74694031
PTPN13:CCDS47094.1	0.779143041	5.733234897	14.74427497
CHRD1:CCDS14553.1	-0.772176935	3.661707072	14.74315664
OTX1:CCDS1873.1	-0.914916786	2.232171757	14.74180318
PCSK9:CCDS603.1	1.360404445	3.96063668	14.73743756
TRIM55:CCDS6185.1	-1.599206522	1.331198451	14.73144427
IGSF23:CCDS54277.1	-1.566445787	-0.498405187	14.72647144
OPRM1:CCDS55069.1	-0.994872185	0.849245084	14.72008072
KLRG1:CCDS8599.1	-1.241503373	0.080124082	14.71400015
FLT1:CCDS53860.1	-0.979798823	2.16380492	14.7048357
CHRD1:CCDS48150.1	-0.771156012	3.664520267	14.69234746
HNRNPA1:CCDS44909.1	0.936577077	10.08933928	14.68798728
CLEC1B:CCDS41751.1	-1.545088555	-0.394303634	14.68410732
PKP1:CCDS30966.1	-1.55209972	1.725760947	14.67756228
GDNF:CCDS54846.1	-1.058540111	-0.541347886	14.65350909
TSHR:CCDS32131.1	-1.662699218	0.472282426	14.65320621
HRH2:CCDS47344.1	-1.038910824	0.923721296	14.65180041
RS1:CCDS14187.1	-2.088176429	0.23732037	14.64173936
LHX3:CCDS6995.1	-1.923191475	0.958445021	14.6358015

TAUvsControls

ABI3:CCDS11546.1	-0.933381688	0.24522128	14.63006915
APOBEC3H:CCDS54531.1	-1.300279507	-0.574439847	14.62462447
CRIP3:CCDS4894.2	-1.082464195	0.045762994	14.62461313
COL11A2:CCDS43452.1	-1.08237937	4.005215356	14.61773722
NR5A2:CCDS1401.1	-1.065267278	0.677953311	14.61375388
KDR:CCDS3497.1	-1.067305491	3.60595918	14.60557362
SUN3:CCDS34636.1	-0.983369827	0.388999041	14.60500305
CLEC4G:CCDS12185.1	-1.37091374	0.136208553	14.5896432
KCNJ4:CCDS13971.1	-0.930362023	3.519683548	14.58254101
CISD2:CCDS34040.1	-0.834858177	4.003814286	14.58233616
P2RY6:CCDS8220.1	-1.009061205	-0.13320573	14.57936715
MITF:CCDS2913.1	-0.765129636	1.686596902	14.5731329
GIMAP7:CCDS5903.1	-1.539528437	-0.603900658	14.57155359
NPY5R:CCDS3804.1	-1.084800442	0.103745049	14.57124305
SEC14L4:CCDS13878.1	-0.951810354	1.172680242	14.57115774
APOBEC3H:CCDS13985.1	-1.293359207	-0.558288806	14.56266826
LGI1:CCDS7431.1	-0.904397334	1.804280004	14.54612639
TAS2R60:CCDS5885.1	-1.647269685	0.103914993	14.5413636
CDK5R1:CCDS11273.1	-0.967597418	4.971704286	14.54007172
CASS4:CCDS54475.1	-1.069178629	0.41558037	14.53634577
C15orf56:CCDS32197.1	-1.504572313	0.357602132	14.53146097
CACNA2D3:CCDS54598.1	-0.72127451	3.817122145	14.53081963
IL31RA:CCDS3970.2	-1.081174067	1.461954037	14.52818841
TULP2:CCDS12739.1	-0.851289155	0.957079758	14.52788143
ANP32E:CCDS946.1	1.028350024	4.627210926	14.52549614
OPRM1:CCDS43517.1	-0.92900436	0.792307151	14.5201323
OR4F29:CCDS41220.1	-2.570224567	1.773798901	14.51537403
MITF:CCDS43107.1	-0.764332649	1.675434043	14.51188773
SEMA7A:CCDS10262.1	-0.61163621	4.709321951	14.5088326
GPR85:CCDS5758.1	-0.957536597	1.300994763	14.50635724
NTM:CCDS41733.1	-0.847519888	5.165708318	14.49958515
IFIH1:CCDS2217.1	-1.369720821	2.205378983	14.49457505
BST1:CCDS3416.1	-0.784158532	1.423802742	14.49313507
DLX6:CCDS47647.2	-1.400705917	1.627817594	14.487128
GNAT2:CCDS803.1	-1.174963361	1.111360466	14.4841387
ADORA1:CCDS1434.1	-0.920284899	2.389513177	14.48212195
ERVFRD-1:CCDS4519.1	-1.264154978	0.720970854	14.48062863
PRSS46:CCDS54576.1	-1.569299505	-0.712165988	14.48012859
HNRNPA1:CCDS41793.1	0.930585451	10.03211645	14.46748921
OR4L1:CCDS32029.1	-1.573048441	-0.468970204	14.46665787
GRXCR2:CCDS34263.1	-1.590794067	-0.736567414	14.46491762
ABI3:CCDS45725.1	-0.921640437	0.218720553	14.46146159
TCTN3:CCDS44461.1	0.58859125	5.096299213	14.45781991
NTM:CCDS44777.1	-0.825484889	5.258348985	14.45619688
LRPPRC:CCDS33189.1	0.698114426	6.32505707	14.45562571
CAPN9:CCDS31053.1	-0.861803897	1.885160889	14.45395314
ASB9:CCDS35208.1	-1.085492838	0.56125807	14.44575337
AMELX:CCDS14146.1	-1.112887952	0.116724741	14.43931576
EFNA1:CCDS1091.1	-0.891136631	2.556219072	14.439051
HPSE:CCDS54774.1	-1.146188637	0.65027649	14.43617047
TMC5:CCDS10577.1	-0.868704662	1.454502429	14.4326666

TAUvsControls

ANP32E:CCDS44214.1	1.061104118	4.468236968	14.4237542
KLRB1:CCDS8601.1	-1.539942548	-0.395009842	14.41826219
OR2A7:CCDS55177.1	-1.518071302	-0.317946756	14.41560626
CDK15:CCDS2350.1	-1.097862674	0.675409067	14.41175248
CCDC169:CCDS53863.1	-1.05983677	0.142418002	14.40380341
RBP5:CCDS8574.1	-1.111874069	-0.500724306	14.40288357
USP9X:CCDS43930.1	0.696757191	6.700823709	14.40278512
OR10G9:CCDS31703.1	-1.559261569	-0.191509581	14.39360525
MXRA8:CCDS24.1	-1.108698524	5.08340353	14.38457459
EDN3:CCDS13477.1	-1.737094929	0.698669696	14.37221093
OTX2:CCDS9728.1	-0.873574207	2.927572605	14.36847356
OR5K4:CCDS33802.1	-1.552122823	-0.576371333	14.36765689
OR6N2:CCDS30906.1	-1.542751265	-0.565232087	14.35747209
LAIR2:CCDS12897.1	-1.563559974	-0.356167348	14.35712622
ASB17:CCDS671.1	-1.567236577	-0.484771857	14.35627763
USP9X:CCDS55403.1	0.6963187	6.698019903	14.35417393
OR5AN1:CCDS31559.1	-1.560917543	-0.617399112	14.35124394
OPRM1:CCDS47503.1	-0.940644983	1.114942076	14.34924911
PLXNA4:CCDS43647.1	-0.986461199	2.723096715	14.33728149
ZCWPW2:CCDS33723.1	-0.980188739	0.7961115	14.32492339
TMCO5A:CCDS10046.1	-1.653220362	0.441288462	14.3223205
FAM129C:CCDS42521.1	-1.02639136	1.741973921	14.32187944
PKNOX2:CCDS41730.1	-0.658075205	4.171639807	14.32128051
EGR2:CCDS7267.1	-1.048315955	1.657703904	14.32107193
FOXO4:CCDS43969.1	-0.682680148	2.655166187	14.32048874
CPD:CCDS56025.1	0.700223234	5.232792481	14.31699595
YPEL3:CCDS45459.1	-0.82586594	4.149471818	14.31620235
IL36B:CCDS2109.1	-1.608370295	-0.74503513	14.31158999
C11orf82:CCDS8263.1	-0.903066401	1.889415284	14.30598891
MYD88:CCDS2674.2	-0.942509083	1.684871973	14.30484065
MYD88:CCDS54565.1	-0.945322467	1.694197764	14.29787817
ACSM1:CCDS10587.1	-0.898892338	1.21431446	14.29139529
CERS3:CCDS10384.1	-1.099552688	0.641111261	14.2876026
ULBP2:CCDS5222.1	-1.280563618	1.09228692	14.2797677
MED31:CCDS11078.1	-0.809141996	2.333331096	14.27780071
PLXNA4:CCDS5826.1	-0.966762904	2.739025508	14.26974662
HPN:CCDS32993.1	-1.111233042	0.799642227	14.26748702
C3orf52:CCDS54620.1	-0.9115094	0.276194215	14.24799221
OTOF:CCDS1726.1	-0.898563056	2.4154251	14.23677667
DDX6:CCDS44751.1	0.713618389	5.450208367	14.23186947
LLGL2:CCDS32733.1	-0.87181782	2.800319925	14.23181653
OR7G3:CCDS32899.1	-1.265704745	-0.492312478	14.23159793
OR5K1:CCDS43115.1	-1.531746247	-0.514660911	14.22865249
GZMK:CCDS3964.1	-1.636248704	-0.493254339	14.22428447
PDE1C:CCDS5437.1	-0.681024675	2.649305278	14.22309742
CCL14:CCDS45652.1	-1.637448586	-0.747206499	14.22188939
FGA:CCDS47152.1	-1.640369187	0.996992497	14.22107205
EFCAB5:CCDS54103.1	-1.048753512	1.99651762	14.22104594
GRAMD1C:CCDS54625.1	-0.850295494	1.034254769	14.2196439
SPESP1:CCDS10230.1	-1.148689396	-0.138196769	14.21925548
P2RX7:CCDS9213.1	-1.061493864	1.41599312	14.21765794

TAUvsControls

RNF11:CCDS556.1	-0.709463705	4.809954686	14.21530924
HOXB4:CCDS11529.1	-1.950145902	2.893513196	14.20468534
C1orf68:CCDS44226.1	-1.577663979	-0.45871257	14.19145629
EDN3:CCDS13478.1	-1.733683447	0.397343005	14.19107194
RNF166:CCDS54057.1	-0.709063422	2.802646499	14.18577845
PROC:CCDS2145.1	-1.156861896	0.833744523	14.18031161
HAAO:CCDS33187.1	-1.446841107	0.989369298	14.17153346
NCR3:CCDS47402.1	-1.219603351	0.108338864	14.15827986
SLC27A6:CCDS4145.1	-0.870888712	0.804257118	14.15376654
LGR6:CCDS1424.1	-1.182896476	2.015305053	14.15091297
SEZ6:CCDS45638.1	-1.073643795	6.356914471	14.14724079
TRIM43:CCDS2015.1	-0.985581967	0.151890672	14.1450253
OR5M3:CCDS31532.1	-1.515568392	-0.136606699	14.14141974
SEZ6:CCDS45639.1	-1.071685101	6.35490147	14.12835908
CYP4F3:CCDS12332.1	-0.847069655	0.914958419	14.12234677
COX4I2:CCDS13187.1	-1.560193378	-0.441214557	14.12096156
TRIM55:CCDS6186.1	-1.563456729	0.577259632	14.11951113
SMC1A:CCDS14352.1	0.732014345	6.298458805	14.11174319
TMEM151A:CCDS8133.1	-1.039110951	2.847796766	14.08947353
SUSD5:CCDS46787.1	-0.994316066	1.772828311	14.08752786
OR8A1:CCDS31712.1	-1.486508801	-0.352887804	14.08169443
AMELX:CCDS14144.1	-1.114484074	0.353504716	14.06249891
LILRB3:CCDS46175.1	-0.906281826	1.397162717	14.04918509
IRF4:CCDS4469.1	-1.035470658	0.701055275	14.04695947
SLC25A31:CCDS3733.1	-1.501306527	0.22734579	14.03369769
SPG11:CCDS10112.1	0.597413711	5.414745464	14.0302682
CPD:CCDS11257.1	0.680461895	5.302132281	14.02732436
RASGRP2:CCDS31598.1	-0.863052797	3.162819446	14.02558317
HMGB4:CCDS30668.1	-1.608741463	-0.777585899	14.00993396
FMOD:CCDS30976.1	-1.958838616	3.739849487	14.00966712
OR1L1:CCDS35127.2	-1.542873491	-0.492863815	14.00923272
C3orf55:CCDS46942.1	-1.643680622	-0.714012497	14.00763306
DTX1:CCDS9164.1	-0.832408645	4.449727632	14.00499377
CLEC7A:CCDS53744.1	-1.571681297	-0.22215563	14.00322248
MRPL16:CCDS7976.1	-0.566926754	3.259623167	13.99496489
PLAT:CCDS6127.1	-0.926675323	4.622315232	13.99331747
MYB:CCDS55059.1	-1.037063739	2.738657003	13.99174112
DDO:CCDS5083.1	-1.005461668	-0.074673573	13.97474501
OPN3:CCDS31072.1	-0.621771133	2.662146507	13.97189177
C19orf33:CCDS12511.1	-0.959779204	-0.196890135	13.96643172
DEGS1:CCDS1540.1	-0.722545135	4.229418702	13.96627738
BAALC:CCDS6297.1	-0.984854233	4.050274535	13.96538326
RBP4:CCDS31249.1	-1.001693555	1.820989309	13.95687782
GPR26:CCDS7636.1	-1.486244126	1.074313778	13.95500645
TARM1:CCDS46173.1	-1.575418644	0.058054307	13.95328088
NRBF2:CCDS7268.1	-0.729793873	3.192298815	13.95148971
FNDC1:CCDS47512.1	-1.512576253	4.760853772	13.94685604
DENND2C:CCDS875.1	-0.799288879	1.822528359	13.9234627
NPAS4:CCDS8138.1	-1.362746105	1.888689293	13.90888014
RPH3AL:CCDS54059.1	-0.773379891	1.651303365	13.90809195
SAA2:CCDS44548.1	-1.604024791	-0.764023454	13.89961389

TAUvsControls

NOSTRIN:CCDS42772.1	-1.002913368	1.036968903	13.89089382
AKNA:CCDS6805.1	0.755894121	5.23055901	13.89044937
NLRP7:CCDS46183.1	-0.935971512	1.708396293	13.88509396
VAMP4:CCDS53430.1	-0.937268632	2.200280895	13.87799172
LECT1:CCDS9437.1	-1.012464341	0.128017191	13.87426883
OR8H2:CCDS31518.1	-1.562841162	-0.630282856	13.8655393
TMEM168:CCDS5757.1	-0.691462927	2.601319124	13.86543263
PLA2R1:CCDS42767.1	-0.794864314	2.952990373	13.85677054
RASGRP4:CCDS54262.1	-0.897621693	1.163619084	13.85087752
MYB:CCDS55062.1	-1.075592268	2.543536858	13.84295079
EPYC:CCDS31870.1	-1.546742645	0.831735485	13.83819187
VAMP4:CCDS1298.1	-0.934275439	2.201861111	13.83581414
UPP2:CCDS46435.1	-0.97632827	0.451463156	13.82955864
OPRM1:CCDS47508.1	-0.927103849	0.72734706	13.8206204
PLA2R1:CCDS33309.1	-0.813901189	3.053907855	13.82027517
MAPK4:CCDS42437.1	-0.603222338	3.724517801	13.81980744
IPO4:CCDS9616.1	0.67861975	6.156101298	13.81930325
HOXA11:CCDS5411.1	-1.905940094	1.088877893	13.81812881
TRIM63:CCDS273.1	-1.078501881	0.619061091	13.81091896
PURG:CCDS34878.1	-0.66020073	1.764435092	13.80450321
C12orf73:CCDS44964.1	-0.840619934	3.259755928	13.80169182
LILRB3:CCDS33105.1	-0.892289408	1.391271412	13.8009876
MYB:CCDS47481.1	-1.021224791	2.754908784	13.7927983
NTF4:CCDS12754.1	-0.968052556	0.603700385	13.78881212
OTX2:CCDS41960.1	-0.857148044	2.91549159	13.78789838
LECT1:CCDS45051.1	-1.014507496	0.115030939	13.78309609
SAMD11:CCDS2.2	-0.866543051	3.890502085	13.782896
PCDH15:CCDS44400.1	-0.693831843	3.362109386	13.77532136
C7orf62:CCDS34678.1	-1.566637199	-0.638013539	13.77164197
CLEC4F:CCDS1910.1	-1.022137478	1.017278153	13.77084023
LAPTM5:CCDS337.1	-0.920433876	0.31826881	13.77001682
OR2C1:CCDS10502.1	-1.056930165	-0.340370773	13.76681246
CCDC109B:CCDS3683.2	-0.779470168	2.801505691	13.76452177
S100B:CCDS13736.1	-1.541455494	3.201924452	13.75997106
NMBR:CCDS5196.1	-1.216582499	0.157025407	13.75799458
DPT:CCDS1275.1	-1.55459358	-0.474972209	13.74669825
LGR6:CCDS30971.1	-1.173637989	2.082286941	13.74658025
FAM26F:CCDS34519.1	-1.081801862	-0.047236053	13.74637565
ASTL:CCDS33249.1	-0.843322284	0.395656742	13.74601924
JMJD6:CCDS42383.1	-0.76366256	4.503021525	13.74345168
PLAT:CCDS6126.1	-0.912243697	4.693975183	13.73483697
SPACA5B:CCDS35238.1	-1.359990753	-0.648226574	13.73433798
PCDH15:CCDS44402.1	-0.680213883	3.391745981	13.73081776
MBL2:CCDS7247.1	-1.567398449	-0.492527263	13.72944566
MSC:CCDS43746.1	-1.585653072	0.958876097	13.69597955
MYB:CCDS55058.1	-1.017543378	2.744402787	13.69558357
PTH2:CCDS12763.1	-1.099235224	-0.539649734	13.690098
TRHR:CCDS6311.1	-1.05193083	-0.14149108	13.68991688
MYB:CCDS55061.1	-1.06884293	2.429960109	13.68731763
TRIML1:CCDS3851.1	-1.884065908	0.654920146	13.68130278
FGF3:CCDS8195.1	-1.59491572	0.011629415	13.68103297

TAUvsControls

SPG11:CCDS53939.1	0.589435767	5.324191694	13.67423118
C2CD4B:CCDS32259.1	-1.623092195	0.148018733	13.67390845
NFKBIZ:CCDS2946.1	-0.71834728	1.982132674	13.67306157
CFHR2:CCDS30959.1	-1.460658245	0.208792329	13.67143018
ZC2HC1B:CCDS47495.1	-1.490592416	-0.374206755	13.66920572
APOBEC3H:CCDS54530.1	-1.1688524	-0.48317685	13.64317549
LGSN:CCDS55027.1	-1.763078471	-0.337470972	13.63276494
MARCO:CCDS2124.1	-0.860186911	1.075317633	13.63175679
OR2A5:CCDS43668.1	-1.546823182	-0.720435757	13.62873878
ODF3L2:CCDS12027.1	-0.99996508	-0.064953636	13.62509716
SMG6:CCDS11016.1	0.604781707	6.066730633	13.62463469
BAG2:CCDS4961.1	-0.94222779	1.78390961	13.62341208
ACSL3:CCDS2455.1	0.701967196	5.413175512	13.60460879
PCDH15:CCDS7248.1	-0.666535336	3.44048228	13.58936002
KRT8:CCDS8841.1	-1.105370026	6.286415389	13.5779373
IHH:CCDS33380.1	-0.857298943	0.123411068	13.56959032
TTN:CCDS54422.1	-0.893714568	6.438280262	13.5676246
RIT2:CCDS11921.1	-1.166331829	1.600880252	13.55273585
SLC6A11:CCDS2602.1	-1.224298096	2.577863935	13.55221229
OR10G2:CCDS32047.1	-1.501721772	-0.538951079	13.54981051
GPRC5D:CCDS8658.1	-1.51990007	0.738471276	13.54414754
CDK2AP1:CCDS9245.1	-0.670260844	5.283279093	13.54052121
ZFH3:CCDS54035.1	0.775395273	6.065362412	13.53840458
TSPEAR:CCDS13712.1	-0.849094365	1.399015599	13.53795758
TTN:CCDS54423.1	-0.89242194	6.435478227	13.53706723
IGSF1:CCDS55491.1	-0.886140267	2.911270086	13.53310151
GRB2:CCDS11721.1	-0.685862236	5.667935843	13.52740462
TTN:CCDS54421.1	-0.893182278	6.429763147	13.52433772
C1orf177:CCDS44153.1	-0.892768993	0.42236214	13.52275307
MARCH4:CCDS33376.1	-1.000935274	3.516813978	13.51752773
PCDH15:CCDS44403.1	-0.663679367	3.418681423	13.51538683
TCIRG1:CCDS53670.1	-0.752713258	2.492886184	13.50947281
LLGL2:CCDS11725.1	-0.846265692	2.775466527	13.50555776
TPO:CCDS1643.1	-0.857352324	2.021778886	13.4944649
IGSF1:CCDS14629.1	-0.885298083	2.907336847	13.49070802
DAO:CCDS9122.1	-1.700340983	0.608395931	13.48950742
C5orf64:CCDS54860.1	-1.541841142	-0.484218744	13.46875967
C11orf85:CCDS31603.1	-1.422160913	0.389384809	13.46675461
RAET1G:CCDS43514.1	-0.817354247	0.576063484	13.45985783
SPACA5:CCDS14286.1	-1.372401166	-0.665966508	13.45250187
SOWAHB:CCDS34017.1	-0.798263486	1.003529853	13.44436351
NDP:CCDS14262.1	-1.153762565	1.349012538	13.44386076
CFHR3:CCDS53453.1	-1.650153229	0.08932911	13.43582117
CIB3:CCDS12340.1	-1.301458772	-0.059810576	13.43532615
CACNA1A:CCDS45998.1	-0.978005181	4.576475132	13.42783482
SPEM1:CCDS42254.1	-1.053844844	-0.048325854	13.42209579
NPBWR2:CCDS13557.1	-0.908785758	-0.306961274	13.41340091
FGF23:CCDS8526.1	-1.524562968	-0.604997146	13.41274444
PRKCDBP:CCDS7762.1	-0.920474271	0.138340347	13.40738565
PTGS1:CCDS6842.1	-0.922705588	1.93928079	13.40576268
EFCAB3:CCDS45751.1	-0.945020179	0.531020221	13.40245392

TAUvsControls

BAALC:CCDS47906.1	-1.100563679	2.876536501	13.39747375
C1orf146:CCDS30772.1	-1.549686847	-0.743724716	13.39579602
IL36A:CCDS42734.1	-1.68263436	-0.721399021	13.39383903
G6PC2:CCDS46443.1	-1.505853997	-0.261231142	13.39334443
PNPO:CCDS11522.1	0.692915071	2.635024721	13.39266901
SPTB:CCDS32099.1	-1.032163309	3.956778451	13.38652378
TPSG1:CCDS10430.1	-0.837981239	0.218534994	13.37494869
RCAN1:CCDS33551.1	-0.830626106	4.013996673	13.36800923
RNF212:CCDS3345.1	-1.196822485	0.777311169	13.36618954
PRAMEF12:CCDS41254.1	-0.953428804	0.019150516	13.36547581
NLRP7:CCDS33109.1	-0.92466581	1.647696319	13.36111505
NTRK3:CCDS32323.1	-0.750583399	4.134659465	13.3518155
MMP10:CCDS8321.1	-2.088490541	1.52998546	13.3487632
KRTAP5-2:CCDS31331.1	-1.141670569	0.800240842	13.31431392
OR13G1:CCDS31094.1	-1.523944378	-0.655767773	13.31158086
ZFP42:CCDS3849.1	-1.475123732	-0.508484818	13.30242038
HOXD13:CCDS2264.2	-1.172812732	0.383178642	13.29798615
PAGE1:CCDS14327.1	-1.314143995	-0.646969379	13.29644349
SPATA9:CCDS4076.1	-1.064998485	0.322020844	13.29008486
ERBB2:CCDS32642.1	0.821247104	7.200806879	13.28525097
WNT16:CCDS5780.1	-1.357864023	0.13850629	13.27921988
CSMD3:CCDS6316.2	-0.704240457	4.415503092	13.27907392
IFITM3:CCDS41585.1	-1.32030303	6.001549355	13.27168
GCOM1:CCDS42043.1	-0.928224438	1.806093081	13.26894987
YPEL3:CCDS42147.1	-0.796996994	4.17037044	13.26804939
DPCR1:CCDS4692.2	-0.94126239	1.792694881	13.26526797
JMJD6:CCDS42384.1	-0.749994857	4.47272214	13.2650524
ZMYND12:CCDS53305.1	-1.014736368	0.000405844	13.26240173
TPO:CCDS1644.1	-0.857212815	1.959959975	13.259643
GJB6:CCDS9291.1	-1.218441821	-0.623812237	13.25764294
CDH9:CCDS3893.1	-1.038472972	1.387839654	13.234256
KLHDC4:CCDS54050.1	0.576144343	3.948515388	13.2334064
ZBTB32:CCDS12471.1	-0.863513931	0.427680933	13.22590372
KLRD1:CCDS8621.1	-1.479205273	-0.135122793	13.20837987
AFAP1L1:CCDS54932.1	-1.562690972	1.798129142	13.20590203
OR8K5:CCDS31521.1	-1.532683846	-0.726394784	13.1933641
MITF:CCDS46866.2	-0.734430183	1.565196978	13.19302323
CCDC74B:CCDS2155.1	-1.395175197	5.069286453	13.19050517
OPRM1:CCDS55070.1	-0.922336435	0.791066765	13.18040462
ERBB2:CCDS45667.1	0.820956756	7.187452608	13.16471164
MOS:CCDS6164.1	-1.441734304	-0.240937603	13.16303088
TAP1:CCDS4758.1	-0.941718141	3.463448604	13.16047384
S1PR4:CCDS12105.1	-1.086494263	-0.433223709	13.1562697
GFPT2:CCDS43411.1	-0.676835121	3.744746993	13.15406779
C12orf71:CCDS44851.1	-1.099396692	-0.604502688	13.15397211
TNNC2:CCDS13375.1	-2.337911767	3.600018802	13.1535529
LHX3:CCDS6994.1	-1.816920028	0.858867895	13.1485123
LDB3:CCDS53550.1	-1.090457159	2.294002677	13.14302631
DHRS7C:CCDS56020.1	-1.783901835	0.533251132	13.14025329
REN:CCDS30981.1	-1.082633617	0.492848899	13.13797629
KAT7:CCDS56035.1	0.59455452	5.133058522	13.13666947

TAUvsControls

ELL3:CCDS10102.1	-0.738850155	1.048865133	13.13529736
NLRP7:CCDS12912.1	-0.915412953	1.664597855	13.13158783
RNF148:CCDS47692.1	-0.968522988	-0.358813217	13.12978201
CDKN2D:CCDS12244.1	-1.121313398	5.106442471	13.12580064
PRDX6:CCDS1307.1	0.696031334	6.849274969	13.11203782
ACSM3:CCDS10589.1	-0.886104649	1.412620493	13.10021241
SRCRB4D:CCDS5585.1	-0.804579136	1.411111932	13.09097727
GFRA3:CCDS4201.1	-1.005108554	0.98350862	13.08322526
CYBA:CCDS32504.1	-0.970027045	2.880987401	13.08264622
SEPT12:CCDS10522.1	-0.836203226	0.51344372	13.08219187
CDRT15L2:CCDS54096.1	-1.484600526	0.746563294	13.07213527
OAS2:CCDS44982.1	-1.534493593	-0.728244529	13.07128018
KRTAP4-7:CCDS45673.1	-1.599074133	-0.223923667	13.06863841
KLRF2:CCDS53743.1	-1.536912183	-0.708199354	13.0668716
SLC1A7:CCDS574.1	-1.178438617	2.055420462	13.06349106
CSMD3:CCDS6317.1	-0.694081891	4.449837776	13.06000017
C4orf40:CCDS3535.1	-1.457709913	-0.508220629	13.05201073
BCAR3:CCDS745.1	-0.658643436	3.963765313	13.05118413
ALPK2:CCDS11966.2	-1.150093492	3.113592119	13.04657765
IRGC:CCDS12629.1	-1.246739567	0.734498659	13.04527673
ANGPTL5:CCDS8312.1	-1.541699372	0.294431177	13.03991392
ZNF280A:CCDS13800.1	-1.127558656	0.40730286	13.03902831
PNP:CCDS9552.1	-0.824173812	3.808376848	13.03582574
ALDH1A2:CCDS55968.1	-1.53864684	2.923791565	13.02767882
CSMD3:CCDS6315.1	-0.696581346	4.44867056	13.02178584
TNFRSF12A:CCDS10489.1	-0.945042358	3.314503526	13.01908146
CORO2A:CCDS6735.1	-0.770914345	2.582356653	13.00934632
BTG3:CCDS46636.1	-0.672075245	4.739438407	13.00863573
WDR52:CCDS2972.1	-0.93903046	1.892135531	13.00553668
OR6K2:CCDS30902.1	-1.433565449	-0.059641673	13.00399334
TDGF1:CCDS2742.1	-1.482162204	-0.601271348	13.00186624
GZMH:CCDS9632.1	-1.538262235	0.686963883	12.99285734
MB:CCDS13917.1	-0.948341754	-0.397484257	12.99024392
DNAH9:CCDS11160.1	-0.705479549	3.976109576	12.98867139
WNT8A:CCDS43368.1	-1.060448368	0.146411205	12.98021841
KRT40:CCDS42320.1	-1.134688264	0.895665656	12.97858128
WNT16:CCDS5781.1	-1.364876101	0.188928273	12.97653155
GJB2:CCDS9290.1	-1.230606822	0.278397139	12.97568296
OPRM1:CCDS47504.1	-0.925389555	0.79232105	12.97504309
ZG16B:CCDS10479.2	-1.170896243	-0.617149592	12.97459142
LRRC7:CCDS645.1	-0.86867488	2.958854546	12.97364509
KCNJ3:CCDS2200.1	-1.088910783	1.586868872	12.9713444
RPH3AL:CCDS10994.1	-0.734989413	1.828052006	12.97009608
NKX2-1:CCDS41945.1	-1.755979414	0.590597338	12.96480753
TRIM34:CCDS31391.1	-0.934441877	1.211840144	12.95450361
CACNA1F:CCDS35253.1	-1.286567369	2.918111571	12.95098768
DGKG:CCDS3274.1	-0.991184468	2.122434684	12.93568514
OR1J1:CCDS35120.1	-1.445673054	-0.261230613	12.9333369
KAT7:CCDS11554.1	0.596324797	5.233606545	12.92948314
RBM3:CCDS14301.1	0.862670297	6.148748565	12.92765148
DNAH12:CCDS33771.1	-0.758460842	0.676709806	12.91772804

TAUvsControls

OR7D4:CCDS32901.1	-1.228047441	-0.282366789	12.91119491
NONO:CCDS14410.1	0.694503093	8.66531898	12.91094764
SHOX:CCDS14107.1	-1.167496839	1.732030294	12.90870663
CLDN1:CCDS3295.1	-1.252217676	2.165291167	12.90788387
SFTPA1:CCDS44444.2	-0.879524812	0.362404658	12.90059264
KCTD13:CCDS10661.1	-0.691997466	4.661111841	12.89810049
C16orf93:CCDS55993.1	0.980422711	2.606367174	12.88932854
ORM1:CCDS6803.1	-1.081510683	-0.303104235	12.88338334
OR7G1:CCDS32898.2	-1.295730162	-0.559457048	12.87984042
MX1:CCDS13673.1	-0.857685229	1.778999464	12.87402778
HRH2:CCDS4395.1	-0.960586075	0.827015258	12.87019485
OR4C46:CCDS31498.1	-1.505011747	-0.693958752	12.86961328
THAP1:CCDS6136.1	-0.631326993	1.860983532	12.86743898
SLC31A2:CCDS6788.1	-0.892651807	0.488353749	12.86568376
GPR39:CCDS2170.1	-0.797896878	4.596291925	12.86124852
GLP1R:CCDS4839.1	-0.946783755	1.021024722	12.84945681
DBNDD1:CCDS42223.1	-1.776431535	6.04851651	12.84823071
FAM83H:CCDS6410.2	-0.840486254	2.122185751	12.83905896
LHX4:CCDS1338.1	-1.173766012	1.958688547	12.83767551
PKP1:CCDS30967.1	-1.408479701	1.601995463	12.83569291
HLF:CCDS11585.1	-1.334936934	0.96504241	12.83539346
KAT7:CCDS56038.1	0.602459611	4.892013344	12.83528956
OR11H4:CCDS32034.1	-1.484213387	-0.519324213	12.83175433
OR1A1:CCDS11022.1	-1.47459511	-0.198475277	12.82663934
DUSP5:CCDS7566.1	-1.1193598	2.718775519	12.82416153
NAT2:CCDS6008.1	-1.470208937	-0.60118574	12.81743348
TAS1R3:CCDS30556.1	-0.856072339	1.574562533	12.81492392
PIK3AP1:CCDS31259.1	-0.98980435	1.704882915	12.8146126
IL1F10:CCDS2112.1	-1.477236414	-0.650480142	12.81383973
DPYSL2:CCDS6051.1	0.650682602	8.786466897	12.81105985
PRB4:CCDS8641.1	-1.482741862	-0.424432826	12.80998282
LYSMD2:CCDS10143.1	-0.875517455	1.180105627	12.80826573
AQP9:CCDS10165.1	-1.566329218	1.072975745	12.80662907
ZBED1:CCDS14118.1	-0.619588215	5.565324211	12.80209904
TAF13:CCDS30788.1	0.723090036	2.306484332	12.7934808
B2M:CCDS10113.1	-0.930873029	5.104561889	12.79029667
ECM1:CCDS953.1	-0.837550578	4.163838662	12.7800962
KCNJ16:CCDS11687.1	-0.957120587	0.153078363	12.77934914
ACTN2:CCDS1613.1	-1.643360743	3.988451503	12.761239
DEFB118:CCDS13177.1	-1.632331409	-0.505468438	12.76074433
ISY1:CCDS43149.1	0.696103691	4.443842535	12.75578042
ABLIM2:CCDS47016.1	-0.864605834	3.128517325	12.74921935
MS4A13:CCDS31571.1	-1.575254605	-0.258525661	12.74650531
SEC63:CCDS5061.1	0.682082627	5.7743965	12.74093436
NR4A3:CCDS6744.1	-0.793096352	1.58896997	12.73747113
MALSU1:CCDS5381.1	-0.697076494	3.785844237	12.72793354
ANO10:CCDS56249.1	0.686368585	3.751379174	12.72684464
IL26:CCDS8981.1	-1.507373621	-0.589505194	12.72639367
KAT7:CCDS56037.1	0.604460804	5.010105956	12.72123133
TEX26:CCDS9339.1	-1.142949865	0.023428852	12.71932647
HRH4:CCDS45841.1	-1.401574261	0.053317339	12.71534151

TAUvsControls

PDHA2:CCDS3644.1	-1.452055391	-0.100711323	12.71218315
STAT6:CCDS53804.1	0.780126579	4.23168327	12.7056406
OR1N1:CCDS6844.1	-1.434351491	-0.318947204	12.70289918
LDB3:CCDS7377.1	-1.031034092	2.272836382	12.70010876
SP140L:CCDS46538.1	-0.957085255	1.866881901	12.69824331
TFAP2D:CCDS4933.1	-1.035847917	0.76461765	12.68789025
SORCS1:CCDS7559.1	-0.824991458	4.879289566	12.67349952
PLSCR5:CCDS46931.1	-1.157425862	-0.293081116	12.66994659
KCNIP2:CCDS7522.1	-0.805809794	2.972006639	12.66789453
SIM2:CCDS13646.1	-1.023130412	1.149428641	12.66765611
BOLA3:CCDS33224.1	-0.849275878	2.590541349	12.66356362
DBNDD1:CCDS10991.2	-1.761001087	6.051696981	12.6576253
NPVF:CCDS5395.1	-1.088420735	-0.659580023	12.65494174
RAX2:CCDS12112.1	-1.628508397	-0.735787089	12.65029171
KCNQ1:CCDS7736.1	-0.897865949	1.964366402	12.64966574
KIF12:CCDS6801.1	-0.8971918	1.387962522	12.64383203
MYB:CCDS5174.1	-1.008150402	2.659991565	12.64346303
IDAS:CCDS54853.1	-0.85563283	0.344860544	12.64326287
TJP1:CCDS45199.1	0.741935328	5.856069919	12.64053613
SLC37A1:CCDS13689.1	-0.8213864	4.372087177	12.63766769
KAT7:CCDS56036.1	0.587469731	5.024127897	12.63376722
DVL1:CCDS22.1	-0.627345672	5.993753883	12.63045239
BTG3:CCDS13569.1	-0.693603224	4.604008216	12.62992978
PTH1R:CCDS2747.1	0.872537594	3.621204045	12.62625657
C1orf100:CCDS31079.1	-1.45927715	-0.497755364	12.62494028
IGSF1:CCDS55490.1	-0.869820582	2.88743209	12.62239719
CALCA:CCDS7819.1	-1.172944038	-0.585708514	12.62093723
ADAMTS18:CCDS10926.1	-1.085761972	3.287774939	12.6186658
MICAL2:CCDS7809.1	-0.962990973	4.43477912	12.61866339
GDNF:CCDS54845.1	-0.966837697	-0.345939768	12.61718922
KCNIP2:CCDS7521.1	-0.797927385	2.980914217	12.6171881
APOL3:CCDS13922.1	-1.054103333	0.679074657	12.61086916
TNFRSF13B:CCDS11181.1	-1.636622144	0.680577663	12.60830174
MYB:CCDS55060.1	-1.010465608	2.584029605	12.60269453
FAM159B:CCDS47220.1	-1.465939135	-0.612811195	12.59607654
SARDH:CCDS6978.1	0.761661988	3.688329648	12.5877733
IGFN1:CCDS53455.1	-1.143963599	3.290310898	12.578368
CDH17:CCDS6260.1	-0.834159662	1.220840745	12.57789265
MCF2:CCDS55516.1	-0.75103271	2.165847084	12.57657254
FBXO15:CCDS45884.1	-0.755527996	1.07462713	12.57586763
DGKG:CCDS43181.1	-0.974756485	2.05016861	12.57390341
TFF2:CCDS13684.1	-1.488899479	-0.499317549	12.56238306
ECM1:CCDS55632.1	-0.825303837	4.16394458	12.55853537
SMTNL2:CCDS11048.1	-1.27457376	1.630501157	12.55721196
SLC25A47:CCDS9959.1	-0.919990779	-0.022844717	12.55407578
RAB17:CCDS2520.1	-1.295056355	0.433728678	12.54946636
SIM2:CCDS46647.1	-1.008011511	1.022169719	12.54881816
OR11H6:CCDS32033.1	-1.473761902	-0.710150803	12.54619938
SHANK1:CCDS12799.1	-0.64318192	5.631343828	12.54293801
MYB:CCDS47482.1	-1.004168772	2.648760624	12.53641722
PLIN5:CCDS42473.1	-0.908716972	0.950941974	12.53336386

TAUvsControls

AP4S1:CCDS45093.1	-0.976211861	0.835426912	12.52916963
ALPK3:CCDS10333.1	-0.792758979	2.527900327	12.5094461
RAD9B:CCDS9148.2	-0.802673128	0.901182682	12.50686023
OR2M4:CCDS31108.1	-1.492090395	-0.391086663	12.50305487
ABLIM3:CCDS4294.1	-0.880280858	4.548362033	12.50146895
SPATA19:CCDS8493.1	-1.050458592	-0.194232903	12.48560438
EBF4:CCDS46573.1	-0.781865908	5.105370059	12.485098
CCL3:CCDS11307.1	-1.658939588	-0.973307094	12.48206535
C4orf26:CCDS3569.1	-1.069155543	-0.521273923	12.47862194
C7orf63:CCDS43613.2	-0.802396192	1.937716351	12.47756117
NTF3:CCDS44806.1	-0.804435437	0.815218334	12.47448122
SULT6B1:CCDS33182.1	-1.594854678	0.005314378	12.4702674
OR5J2:CCDS31522.1	-1.444960456	-0.467015295	12.46983696
PLA1A:CCDS56268.1	-0.800077319	0.770340325	12.46942126
IL11:CCDS12923.1	-1.196903696	0.415345498	12.46161062
IL20:CCDS1470.1	-1.529543657	-0.612138997	12.44856459
KIF26A:CCDS45171.1	-0.875551387	4.304057397	12.44460647
PLAU:CCDS7339.1	-1.195489642	3.302589536	12.44248521
PDGFB:CCDS13987.1	-0.982230262	2.340651762	12.42535088
DLGAP2:CCDS47760.1	-1.25607236	1.723236921	12.40012287
IP6K2:CCDS2777.1	-0.604751346	5.596418006	12.38488188
LIF:CCDS13872.1	-0.812710798	1.186527845	12.38320514
PLA1A:CCDS2991.1	-0.794994961	0.805869007	12.38166935
TLR9:CCDS2848.1	-0.614195132	1.552512513	12.37434363
CLDN23:CCDS55195.1	-1.003650289	-0.426787634	12.36798808
ZNRF1:CCDS10912.1	-0.778455458	4.568746497	12.36664376
GPR132:CCDS9997.1	-1.040815646	0.140813358	12.35617914
ARX:CCDS14215.1	-0.911752658	2.763110162	12.35253202
AMOT:CCDS14563.1	0.907463019	4.210208165	12.34359707
KIAA1804:CCDS1598.1	-0.68796623	2.037316283	12.34291195
KLHL29:CCDS54335.1	-0.831124694	3.981341658	12.34112068
FCGR1B:CCDS30821.1	-1.139028773	0.22557709	12.33188757
EDN3:CCDS13479.1	-1.68417967	0.664527784	12.33180456
ITPRIPL1:CCDS33250.1	-0.76052815	0.73165113	12.33009595
RAPGEF3:CCDS41775.1	-0.906507281	2.545904758	12.32949876
TEX14:CCDS56042.1	-0.880763469	2.59054177	12.32704878
CELA1:CCDS8812.1	-1.500744933	-0.103728986	12.32215011
MCF2:CCDS55517.1	-0.748296901	2.187620219	12.31957019
SIRPB1:CCDS42850.1	-1.076914117	-0.258734009	12.31882494
TCERG1L:CCDS7662.2	-1.817542549	2.556084104	12.29637521
APOBEC3G:CCDS13984.1	-0.965094327	0.85396445	12.28803871
TAS2R8:CCDS8632.1	-1.532153929	-0.679657994	12.28486255
LRR8D:CCDS726.1	0.538122021	4.419621805	12.284216
TEX14:CCDS32693.1	-0.878250203	2.588004908	12.28343282
ARHGAP44:CCDS45616.1	-0.755124369	3.945604105	12.28272866
EPB41L5:CCDS2130.1	0.656513102	4.208809443	12.28267086
TJP1:CCDS42007.1	0.730989111	5.887170197	12.279283
GPR160:CCDS3211.1	-1.718611939	-0.28622078	12.27854258
MCF2:CCDS14667.1	-0.74333814	2.108553738	12.25963302
FAM178B:CCDS46366.2	-0.649655542	1.353645734	12.25826668
CAMK2A:CCDS43386.1	-0.842851713	3.640960747	12.24858187

TAUvsControls

CLDN19:CCDS53306.1	-0.951815536	-0.087088914	12.24655065
HBM:CCDS32347.1	-1.502026837	-0.951173463	12.24291249
RAPGEF3:CCDS31784.1	-0.905592813	2.465458322	12.23740403
EPHA10:CCDS425.1	-0.751216422	1.120287565	12.23158599
DGKG:CCDS43182.1	-0.964442108	2.074807343	12.23157354
KCNF1:CCDS1676.1	-1.001803344	3.121089756	12.23149308
STAT6:CCDS8931.1	0.75364359	4.41599566	12.22209924
NOX4:CCDS8285.1	-0.822203181	1.815401559	12.22145147
MS4A13:CCDS41653.1	-1.585325257	-0.559955382	12.22136374
ALDH3B2:CCDS31622.1	-1.027319422	0.168016287	12.21841627
ZMYND12:CCDS467.1	-0.888300781	0.455368022	12.21684367
PLAU:CCDS44442.1	-1.193256826	3.237052905	12.21427954
RNF166:CCDS54056.1	-0.675850393	2.69371783	12.21183744
ITPRIPL1:CCDS54378.1	-0.770251431	0.574655883	12.20941387
KIFC3:CCDS45494.1	-0.637264553	5.409065987	12.20786324
REP15:CCDS31762.1	-1.478748736	-0.639249987	12.20576806
ST8SIA5:CCDS11930.1	-0.949541239	2.309290897	12.1950314
C1orf110:CCDS44269.1	-1.017779184	-0.007604029	12.19359363
ITPRIPL1:CCDS46360.1	-0.765349309	0.766765832	12.1847826
SLC18A1:CCDS47815.1	-0.856890989	2.906732946	12.17490572
OSGIN1:CCDS10939.1	-0.870615615	1.80394762	12.17364684
ENO3:CCDS11062.1	-1.25864692	3.738033649	12.16716372
EFCAB3:CCDS11632.1	-0.914889992	0.321873169	12.16658983
UTRN:CCDS34547.1	0.761917182	5.652046643	12.16578949
SBNO1:CCDS9246.1	0.766577525	4.760423384	12.15789953
GTF3A:CCDS45019.1	-0.910256332	5.431664248	12.15729724
PAICS:CCDS47060.1	0.628627175	6.043110573	12.15559294
DRGX:CCDS44388.1	-1.581183917	0.13924864	12.15250781
SBNO1:CCDS53844.1	0.766654704	4.760793507	12.15132173
KLRC1:CCDS8625.1	-1.433390122	-0.331568596	12.15054506
RCAN1:CCDS42921.1	-0.797182185	3.558769769	12.15048952
SORCS1:CCDS31283.1	-0.806694064	4.879896011	12.14898522
LDB3:CCDS41544.1	-1.061088113	2.201068725	12.14474822
MBOAT4:CCDS47835.1	-0.946407346	0.401641447	12.13903637
MXRA7:CCDS45786.1	0.912693067	5.384063165	12.1371997
POU3F3:CCDS33265.1	-0.717385672	5.168479956	12.13406397
TLR4:CCDS6818.1	-0.974630457	1.234445018	12.13033621
MMS19:CCDS7464.1	0.50851917	6.776764641	12.12933095
ING1:CCDS9516.1	-0.728130269	3.650773289	12.11852962
EPRS:CCDS31027.1	0.642131986	7.109172203	12.11362728
ENO3:CCDS54070.1	-1.259683262	3.556234136	12.1078988
TNFAIP8L3:CCDS32241.1	-0.982573419	0.203081058	12.10622181
KLHDC7B:CCDS14097.2	-0.75987417	0.868072633	12.09997075
CACNA1A:CCDS45999.1	-0.944507065	4.503265215	12.09927735
ODF1:CCDS6293.1	-1.485547717	-0.592442619	12.09746208
S100A14:CCDS1046.1	-1.122588313	-0.646754027	12.09689868
HBA1:CCDS10399.1	-1.131124367	-0.657692484	12.09675839
KCNK7:CCDS41673.1	-1.091419124	0.728674318	12.08359508
PRKAR2A:CCDS2778.1	0.652108998	4.48218921	12.08330242
NPY1R:CCDS34089.1	-0.985208081	0.992994978	12.07707625
TC2N:CCDS9897.1	-0.925283559	0.78553666	12.07585551

TAUvsControls

UTS2R:CCDS11810.1	-1.019324223	-0.033834753	12.07357367
LHFPL1:CCDS14562.1	-0.983441487	-0.244832059	12.07340741
GIPC2:CCDS685.1	-1.019246996	-0.117827576	12.0681082
CBR3:CCDS13642.1	-1.323301053	0.977818981	12.06677226
FANCG:CCDS6574.1	0.73859336	5.394267531	12.06014393
ASAP3:CCDS235.1	0.807060353	6.135584208	12.05951509
NR5A2:CCDS1400.1	-0.973173254	0.516755449	12.04539166
TRAF3IP2:CCDS55049.1	-0.867173881	2.056898794	12.04063689
FGF7:CCDS10131.1	-1.553950366	0.571075891	12.03929738
TAS2R3:CCDS5867.1	-1.031276577	-0.394463603	12.03790425
SLC38A8:CCDS32495.1	-1.132682379	0.928659228	12.03264624
USP43:CCDS45610.1	-0.654754854	2.519261137	12.01520904
OR10G7:CCDS31705.1	-1.42017359	-0.158015945	12.0151227
ZNF812:CCDS54215.1	-0.910699762	0.437601059	12.01259902
GPHA2:CCDS8086.1	-1.446934366	-0.777981116	12.01084921
KANK4:CCDS620.1	-1.04164803	3.025471138	12.00477811
ACAD11:CCDS3074.1	0.561516055	3.978264667	12.00384554
MCF2:CCDS48175.1	-0.740175581	2.131227786	12.00051384
OR9Q2:CCDS31544.1	-1.464954358	-0.192602225	11.99850221
CCDC169:CCDS45027.1	-0.965819131	0.173109254	11.99790562
NOX4:CCDS44696.1	-0.827989974	1.740032235	11.99384609
SPINT2:CCDS12510.1	-1.078209764	5.657098239	11.99361526
RASGRP3:CCDS46256.1	-1.188038623	1.953551816	11.98453296
ABLIM2:CCDS47015.1	-0.812933562	3.340441466	11.98074216
NKX3-1:CCDS6042.1	-1.430150661	-0.457742064	11.98067767
KAZN:CCDS152.2	-0.688415586	4.948620446	11.97961842
ANKRD34A:CCDS30829.1	-0.924559017	1.761410912	11.97075899
KLRD1:CCDS8622.1	-1.452302703	-0.370848224	11.96380062
CDHR1:CCDS7372.1	-1.042209278	4.550899561	11.95997566
NFKBIZ:CCDS43123.1	-0.713870852	1.792018939	11.95925878
EVC2:CCDS3382.2	-1.07176817	2.583109168	11.95363479
ZNF462:CCDS35096.1	0.718340126	6.278283755	11.94762454
SLC16A7:CCDS8961.1	-0.911168775	0.606070787	11.94671689
CDK5:CCDS55184.1	-0.819745609	5.929925388	11.94332718
NEDD9:CCDS4520.1	-0.570049572	4.39632772	11.93288233
RASGRP3:CCDS54346.1	-1.185236336	1.951305136	11.93256612
SMTNL2:CCDS45583.1	-1.189091459	1.813789954	11.92476477
SEL1L:CCDS9876.1	0.771995888	5.58896518	11.92463871
ZNF662:CCDS46807.1	-0.875922751	0.467165428	11.92048957
PLCXD2:CCDS54619.1	-0.687708247	1.888489307	11.91725905
UGT1A6:CCDS2508.1	-0.96865267	0.133041406	11.91204168
LRTOMT:CCDS44667.1	0.687431689	2.172363264	11.91009089
TPTE2:CCDS45014.1	-0.839087838	1.28940004	11.90795941
TCL1A:CCDS9941.1	-1.545401464	-0.746220843	11.90698554
TUBA3E:CCDS2158.1	-1.444654945	4.368028245	11.90548387
CEL:CCDS43896.1	-2.082648981	4.489018892	11.9054037
GLIPR1:CCDS9011.1	-1.214072916	1.914609342	11.89902126
NPM1:CCDS43399.1	0.6725595	8.594599482	11.89157554
CD300LG:CCDS54133.1	-0.873423158	0.05173237	11.89130781
KCNH5:CCDS45122.1	-1.046730913	1.213004207	11.88817579
FBNP1:CCDS48040.1	0.557235868	5.13417091	11.88227758

TAUvsControls

ISY1:CCDS56277.1	0.671099199	4.507432826	11.881796
SFTPA1:CCDS44445.1	-0.898526572	-0.146547868	11.88171295
ACOT6:CCDS32118.1	-1.461589433	-0.82811183	11.87869756
SAMD15:CCDS32126.1	-0.902295326	2.168405558	11.87673905
SLC7A7:CCDS9574.1	-1.392552854	2.969445105	11.87597309
TGM2:CCDS13302.1	-1.140860754	3.590033833	11.86966142
NGEF:CCDS46544.1	-0.883987497	4.109171809	11.86365682
VGLL3:CCDS43110.1	1.343547069	2.576049291	11.85860519
RSPH10B2:CCDS43552.1	-1.044880584	1.813667611	11.8581571
DUSP4:CCDS6072.1	-0.951104762	4.766716405	11.85689268
TSPYL5:CCDS34927.1	-1.18399875	0.093656364	11.85555993
IMP4:CCDS2160.1	-0.857346984	6.345976906	11.84707567
RERGL:CCDS8679.1	-1.355969155	-0.013346686	11.84117346
FAM170B:CCDS53536.1	-1.429451608	-0.215763979	11.84050555
CDHR1:CCDS53548.1	-1.034031648	4.340804203	11.83738026
ASAP3:CCDS44087.1	0.800709541	6.087103235	11.83603521
NLRP9:CCDS12934.1	-1.649570938	1.576554184	11.83339312
GALR1:CCDS12012.1	-1.123034122	0.081659526	11.83220207
TYROBP:CCDS46058.1	-1.179145255	-0.466412018	11.83109954
AMELX:CCDS14145.1	-1.065136843	0.543178671	11.82526717
ARNT:CCDS971.1	0.846148584	5.078260735	11.82510781
TRIM8:CCDS31274.1	0.608949368	5.882646201	11.82268001
NUPL2:CCDS5379.1	-0.57024434	3.246334905	11.80786453
DUSP1:CCDS4380.1	-0.712227473	4.156477608	11.80635491
OR9G4:CCDS31537.1	-1.41213377	-0.299103796	11.79684922
KLHL30:CCDS46555.2	-1.047706822	0.80008627	11.7948044
MXRA7:CCDS32746.1	0.898858375	5.41892455	11.79337783
RASGRP1:CCDS45222.1	-0.737050652	2.993773768	11.79121031
CRYGB:CCDS2380.1	-2.116483324	0.188436143	11.79088959
ZFR2:CCDS45921.1	-1.03738669	2.926623006	11.78626604
SNTN:CCDS33779.1	-1.43651913	-0.802481883	11.78421394
TYROBP:CCDS12482.1	-1.177406464	-0.461267829	11.78407957
CELF4:CCDS32818.1	-0.884573888	4.704806702	11.77131503
CNOT1:CCDS45501.1	0.669705848	5.96730048	11.76974705
OR52A5:CCDS31373.1	-1.405686009	-0.683763768	11.76548843
SPTLC3:CCDS13115.2	-1.029684112	1.419754495	11.76470183
ADCY8:CCDS6363.1	-0.868729439	3.557331634	11.76171671
EDN2:CCDS462.1	-0.929872063	-0.001351736	11.76053981
HSBP1L1:CCDS45886.1	-1.138432348	-0.010822984	11.75780049
ANO10:CCDS2710.2	0.628818433	4.16256066	11.75123918
TEX14:CCDS32692.1	-0.859868688	2.549115202	11.75076402
GPR50:CCDS44012.1	-1.191393986	1.62035532	11.74817929
RGS13:CCDS1376.1	-1.509898904	-0.940734083	11.73517987
MITF:CCDS54607.1	-0.716300152	1.794375653	11.73389669
HLA-DMB:CCDS4760.1	-0.951175764	0.478840883	11.73371632
ANP32B:CCDS6732.1	0.709333264	6.356418371	11.73307128
C6orf195:CCDS43416.1	-1.524329471	-0.798423313	11.73211782
MYH10:CCDS11144.1	0.648897734	8.214628623	11.73149384
NPHP1:CCDS2086.1	-0.677915774	2.29318314	11.73054872
ZNF385B:CCDS46463.1	-1.14829894	1.376615288	11.72975118
LY6D:CCDS6390.1	-1.410880971	-0.625878547	11.728488

TAUvsControls

CDH15:CCDS10976.1	-2.051106284	4.308143696	11.72821927
RCSD1:CCDS1263.1	-0.899246077	0.738015606	11.71896563
ZEB1:CCDS53507.1	0.776206932	5.199534058	11.71199867
GPR75:CCDS1849.1	-0.838955261	0.554926294	11.71155645
PPP3R2:CCDS6759.1	-1.479940115	-0.918553853	11.71032135
SLC22A4:CCDS4153.1	-0.652622194	1.975741236	11.70643198
CLDN19:CCDS44125.1	-0.873892677	0.019137931	11.70208147
PDZD7:CCDS31269.1	-0.941090122	2.429127294	11.69870564
CAMK2A:CCDS43387.1	-0.829206744	3.687576899	11.69660166
OR4X1:CCDS31487.1	-1.45521678	-0.807794269	11.69540063
ANKRD53:CCDS46321.1	-0.765849317	1.008957966	11.6951148
CENPF:CCDS31023.1	0.960040531	6.070329425	11.69061467
CARD9:CCDS6997.1	-0.901671563	1.252459089	11.68924526
AGR3:CCDS5365.1	-1.560549477	-0.471649687	11.68901356
CELF4:CCDS45857.1	-0.884165945	4.701224807	11.68847205
CELF4:CCDS45856.1	-0.883490631	4.702885498	11.68420666
ZNF385B:CCDS33339.1	-1.162214659	1.430735441	11.68220872
EGR2:CCDS44409.1	-1.090739286	1.492613661	11.68196662
ZEB1:CCDS44370.1	0.771773767	5.307688237	11.67556772
TRAT1:CCDS33813.1	-1.417688802	-0.348731164	11.67411282
FAM122B:CCDS55499.1	0.933854836	3.480622128	11.6738052
PDC:CCDS1370.1	-1.882850435	0.005813362	11.66960069
NPHP1:CCDS46385.1	-0.676680438	2.290687889	11.66118527
JPH2:CCDS13325.1	-1.430789691	1.210831188	11.66067928
TPTE2:CCDS45013.1	-0.845945959	0.812024444	11.65049547
PVALB:CCDS13933.1	-1.550220107	0.599449074	11.6497377
C7orf63:CCDS55122.1	-0.778904278	1.914360687	11.64645423
FGF14:CCDS9501.1	-0.81015455	1.879863154	11.64450808
MYRIP:CCDS2689.1	-0.744377302	2.463132417	11.64304219
MYD88:CCDS54567.1	-0.876707073	1.352006115	11.63250169
THG1L:CCDS4341.1	0.712247668	2.450677248	11.63068165
DNAJC22:CCDS8785.1	-1.151310116	0.53921234	11.62912472
SLCO5A1:CCDS55243.1	-0.707936848	2.111287371	11.62563818
LAIR2:CCDS12898.1	-1.435960151	-0.557619435	11.62150335
CCDC115:CCDS2159.1	-0.967262368	5.329004122	11.62106494
NOX4:CCDS44695.1	-0.793719983	1.722772449	11.61852632
SEC14L4:CCDS54517.1	-0.882242316	1.077953216	11.61771619
ALDH1A2:CCDS45266.1	-1.452106231	2.680307422	11.61680129
LAMB3:CCDS1487.1	-0.861734503	2.260558128	11.61561726
PDLIM3:CCDS47172.1	-1.101193243	5.15183106	11.61336898
ZFYVE28:CCDS54712.1	-0.809632736	1.131865191	11.61331146
SIGLEC1:CCDS13060.1	-0.674562813	2.250350463	11.61295872
NPHP1:CCDS46386.1	-0.695321598	2.25585514	11.61141131
ARNT:CCDS970.1	0.830473256	5.117161442	11.60982271
CCDC27:CCDS50.1	-0.797638036	1.085698742	11.60901611
OR7A10:CCDS32936.1	-1.149304535	-0.547902243	11.60865219
FZD10:CCDS9267.1	1.239826969	3.623682734	11.60600053
ANO4:CCDS31884.1	-0.861370761	2.520303144	11.60323475
PSENNEN:CCDS12474.1	0.845084769	4.754436612	11.60129276
DPY19L2:CCDS31851.1	-0.781021631	1.868828918	11.59720233
TRIP12:CCDS33391.1	0.611213146	6.609894951	11.59638923

TAUvsControls

SLCO5A1:CCDS55242.1	-0.643555524	2.356969805	11.58959359
HGFAC:CCDS3369.1	-0.718932291	1.456442754	11.58873406
ZEB1:CCDS53505.1	0.767454996	5.307476407	11.58853911
TRIB1:CCDS6357.1	-0.612853003	3.027649058	11.58336168
ZEB1:CCDS7169.1	0.767166206	5.306595928	11.58326852
OR4C6:CCDS31506.1	-1.400548542	-0.420337976	11.58290455
CD300LG:CCDS54132.1	-0.817441642	0.237811692	11.57551874
GATC:CCDS31911.1	-0.847813092	2.504322239	11.57464622
EPB41L5:CCDS54393.1	0.65400758	4.108417097	11.56095018
HTATIP2:CCDS53613.1	-1.198101308	-0.551659207	11.548345
TDGF1:CCDS54575.1	-1.423415725	-0.82213766	11.54449911
PARD3B:CCDS42805.1	0.666575706	4.296502957	11.53940651
FAM122B:CCDS14643.1	0.930573098	3.369055871	11.53936712
CSE1L:CCDS13412.1	0.619483402	6.174702837	11.53505863
CREB3L4:CCDS1056.1	0.601588778	3.005509762	11.53111927
PAICS:CCDS47061.1	0.619833789	6.021290129	11.5303214
KCNK2:CCDS41467.1	-0.631713252	2.526802432	11.52743118
HMHA1:CCDS32863.1	0.885809127	4.264288623	11.51866103
PDGFB:CCDS33650.1	-0.944460438	2.327347844	11.51145625
FAM110D:CCDS41285.1	-1.061903763	-0.086109729	11.50103108
HRASLS2:CCDS8046.1	-1.095675846	-0.579043215	11.50045609
CRHR2:CCDS56478.1	-0.70744257	1.340950923	11.49775758
TGFBR1:CCDS47998.1	0.738535756	3.995930624	11.4950187
TMEM164:CCDS14550.2	-0.63204212	2.968494888	11.48726312
FER1L6:CCDS43767.1	-1.009450522	2.674701175	11.47988418
ESRP1:CCDS47897.1	-0.756092784	1.240493885	11.47747264
KIRREL2:CCDS12480.1	0.863280093	4.546959272	11.47698026
AIFM3:CCDS13786.1	-0.632940201	2.098846375	11.47572108
SIGLEC5:CCDS33088.1	-0.745743326	0.669422482	11.47543191
C11orf87:CCDS31672.1	-1.162031891	1.462515375	11.47366983
RYR3:CCDS45210.1	-0.59936338	4.374030216	11.47125688
CD200R1L:CCDS43131.1	-1.41051647	0.018930317	11.46888687
CNOT1:CCDS10799.1	0.63791894	6.880252261	11.46751801
FMNL1:CCDS11497.1	-0.820804081	3.581121834	11.46700097
ZEB1:CCDS53506.1	0.765114506	5.237245362	11.4632606
FAM122B:CCDS55497.1	0.926787345	3.357225639	11.46072805
GPR4:CCDS12669.1	-0.855154664	-0.207967677	11.46024053
KCTD6:CCDS2891.1	-0.632675372	2.557516725	11.46003582
MAPK6:CCDS10147.1	0.620472029	4.721472663	11.45937553
HAS3:CCDS10871.1	-1.014809874	2.514961722	11.4590521
HSD17B8:CCDS4769.1	0.685570773	3.989753638	11.4589152
CDH26:CCDS13485.1	-0.861956051	1.814510458	11.45413914
CEBPA:CCDS54243.1	1.3199727	3.842268829	11.43865403
KIFC3:CCDS45493.1	-0.615154034	5.595740497	11.43803781
C10orf11:CCDS7351.1	-0.871199383	0.245040142	11.43467628
BTLA:CCDS33819.1	-0.911065666	0.029261579	11.43219899
SPINT2:CCDS54261.1	-1.050793762	5.356401719	11.42853135
NLRP12:CCDS12864.1	-0.702221868	1.738820699	11.4256854
C16orf92:CCDS42146.1	-1.164455462	-0.654610915	11.42494322
TMEM38A:CCDS12349.1	-0.830749632	2.354632601	11.42395016
PPP1R13B:CCDS41997.1	-0.587298667	4.517833686	11.42247049

TAUvsControls

CDK5:CCDS47748.1	-0.81227557	6.039574803	11.41538131
SCML4:CCDS5060.2	-0.918298001	1.124878639	11.41244515
NPPA:CCDS139.1	-1.289327579	1.09401699	11.41030655
PHKG1:CCDS5525.1	-0.765992603	1.113317771	11.40608832
CRYGD:CCDS2378.1	-1.693366487	1.749811425	11.40180888
CPNE8:CCDS8733.1	-1.036717551	2.466317635	11.40034534
MCC:CCDS43351.1	0.71880648	4.309779765	11.40028546
ADO:CCDS7266.2	-0.66140407	2.893029558	11.39667188
MYCT1:CCDS5239.1	-1.218187913	-0.558539902	11.39407072
CARD8:CCDS54289.1	0.672206837	3.103362547	11.39393011
HAGH:CCDS10447.2	-0.553697353	6.18296355	11.38730085
HAGH:CCDS32366.1	-0.557423284	6.165421906	11.38198627
DUSP4:CCDS6073.1	-0.921737867	4.536231301	11.38096613
IRF6:CCDS1492.1	-0.940156001	0.785679576	11.38076586
KIFC3:CCDS10789.2	-0.614740475	5.60510384	11.38006555
PLAC9:CCDS31232.1	1.558191332	3.050091831	11.37895746
CDKN2C:CCDS555.1	-0.743996615	2.049457033	11.37748864
NAT1:CCDS6007.1	-0.971484665	-0.012169981	11.36709413
ESRP1:CCDS47895.1	-0.741864883	1.361361333	11.36469058
GABBR2:CCDS6736.1	-0.69982843	5.140565676	11.36238609
NBPF16:CCDS41384.1	1.979664587	4.165228513	11.36203246
CARD8:CCDS12712.2	0.66905083	2.976496719	11.3602281
EID2:CCDS12540.2	-0.678724873	3.000392595	11.35962506
ERBB3:CCDS44918.1	-1.420816566	-0.044040001	11.35730012
SPACA7:CCDS9524.1	-1.370613729	-0.04096493	11.35140269
ADARB2:CCDS7058.1	-0.732696058	2.366464246	11.34450675
HYOU1:CCDS8408.1	0.544598269	8.308129982	11.34177519
CASS4:CCDS33492.1	-1.054113071	1.377481843	11.33947218
PROK2:CCDS46868.1	-1.373706763	-0.666024429	11.33745501
SHOX:CCDS14106.1	-1.075528978	1.582643609	11.33543004
SLCO5A1:CCDS6205.1	-0.635415477	2.471759978	11.32558834
ESRP1:CCDS47898.1	-0.754245826	1.224500746	11.31377054
SOX15:CCDS32549.1	-1.050461619	0.760347609	11.31251136
POTEF:CCDS46409.1	-1.353851408	6.034935546	11.312428
AIFM3:CCDS54503.1	-0.638569419	2.027669179	11.30834274
RASGRP1:CCDS45221.1	-0.728174493	2.906001424	11.30759656
KCNJ5:CCDS8479.1	-0.913732701	1.268018704	11.30083403
BEX5:CCDS35350.1	-1.055338081	1.180330694	11.29382982
DLEU7:CCDS53869.1	-1.378348332	-0.046307006	11.29108574
RHBDD1:CCDS2464.1	0.632356654	2.345141772	11.2908585
ITSN1:CCDS33546.1	0.685780938	5.765966693	11.28941358
HIST2H3D:CCDS41388.1	-1.306539568	-0.252376407	11.2866798
KIRREL2:CCDS12479.1	0.848543631	4.703812059	11.27984982
NPTX1:CCDS32762.1	-0.659171793	2.774468581	11.27754813
TSSK2:CCDS13755.1	-0.702751239	1.401475398	11.27568948
HEPACAM2:CCDS5629.1	-1.000668396	0.567397338	11.27463419
SLC18A3:CCDS7231.1	-0.949793519	1.981478995	11.27093354
NPL:CCDS1350.1	-0.711076365	1.289846831	11.26914633
CD9:CCDS8540.1	-0.984309885	4.597693749	11.26893026
C1orf185:CCDS44142.1	-1.437114931	-0.677806971	11.25834193
SPINK9:CCDS34269.1	-1.456533277	-0.800200926	11.25352274

TAUvsControls

ZFYVE28:CCDS54710.1	-0.839528636	0.452562405	11.25090953
AIFM3:CCDS33605.1	-0.637236522	2.020855669	11.25036838
CD8A:CCDS1993.1	-0.971252384	0.029575204	11.24958449
PTPN18:CCDS46410.1	-1.330577618	5.339024358	11.24879736
ZCCHC12:CCDS14574.1	-0.874412864	4.875402352	11.2446152
TMEM102:CCDS11104.1	-0.657482638	1.338513982	11.23749114
PTPN18:CCDS2161.1	-1.337756954	5.796582984	11.23144998
PDLIM3:CCDS3844.1	-1.056051509	5.058766064	11.22519708
CD300LG:CCDS54131.1	-0.791200311	0.426901221	11.22460146
GLRX2:CCDS1381.1	-0.686119612	0.908388036	11.22335443
TMEM44:CCDS54699.1	-0.600811437	3.393157138	11.22069595
CELF3:CCDS53367.1	-0.769028123	6.566065377	11.21804301
NPL:CCDS55667.1	-0.757860808	1.045969825	11.21657748
THBD:CCDS13148.1	-1.215295936	1.136578649	11.20928817
NGEF:CCDS2500.1	-0.872292503	4.094127179	11.20834794
ADIPOQ:CCDS3284.1	-1.418487999	-0.380473083	11.20762542
ASTN1:CCDS44280.1	-0.809766227	5.836185207	11.20700135
FBXO41:CCDS46337.2	-0.851049399	4.140299543	11.20011108
IL22RA2:CCDS5184.1	-1.529307967	-1.171669422	11.19820416
NCKAP1L:CCDS53799.1	-1.130582941	1.999115301	11.19563342
AFAP1L1:CCDS34274.1	-1.476371503	1.917654213	11.19345486
KIAA1456:CCDS47808.1	-0.859655286	1.451300955	11.19175844
KCTD14:CCDS8255.2	-0.879533541	0.199873553	11.18965892
GJB1:CCDS14408.1	-1.016386944	-0.331198959	11.18767176
KCNK17:CCDS4842.1	-1.254441499	0.397007208	11.18708594
PARD3B:CCDS42804.1	0.650893665	4.295505506	11.18489678
C5orf51:CCDS34151.1	0.713858955	2.377225676	11.18413926
C2orf61:CCDS1831.1	-1.373695619	-0.155171362	11.18330353
KCNN4:CCDS12630.1	-0.732634288	0.74547624	11.17495115
NKX2-1:CCDS9659.1	-1.845341917	0.34894346	11.1698457
HSPA6:CCDS1231.1	-1.325704461	2.280507273	11.16692608
GNRH2:CCDS13042.1	-1.134613459	-0.58054555	11.16350814
GPR126:CCDS47490.1	-1.289563228	3.028389491	11.16090146
FSCN3:CCDS34746.1	-0.872869032	0.61791531	11.15888901
HNRNPU:CCDS31081.1	0.623239133	7.879387746	11.15714394
GPR126:CCDS47491.1	-1.26538462	2.979699014	11.15699452
TYROBP:CCDS54255.1	-1.18509061	-0.705711197	11.15433844
C19orf12:CCDS42542.1	-0.69424884	2.349016482	11.1528882
ZNF781:CCDS12507.1	-0.961709134	-0.285454466	11.14964681
SLC22A7:CCDS4892.1	-0.863945159	1.192762872	11.14953821
THPO:CCDS54693.1	-0.833062466	0.726595608	11.14914469
NTRK3:CCDS10340.1	-0.703793383	4.185769852	11.14763612
HNRNPU:CCDS41479.1	0.621961498	7.887253104	11.14613127
ATXN7L3B:CCDS53815.1	-0.653606315	5.245220824	11.13978025
GALNT12:CCDS6737.1	-0.728214622	2.205428438	11.13301738
FBXO43:CCDS47904.1	-0.781368744	0.514558653	11.13015536
NCKAP1L:CCDS31813.1	-1.124164896	2.055437219	11.11764952
ARHGAP9:CCDS8941.2	-0.659558038	2.291483035	11.11722212
KAZN:CCDS41267.1	-0.644042289	4.489179039	11.112882
RAD54L2:CCDS33765.2	0.676580138	5.656506631	11.10499464
CCBL2:CCDS30767.1	0.560721179	3.766696602	11.09561356

TAUvsControls

GNRH2:CCDS13041.1	-1.129707952	-0.563970211	11.09227749
CFC1:CCDS2162.1	-0.922900908	1.260162606	11.09148112
CDRT15:CCDS32569.1	-1.415744961	-0.657562491	11.09067242
PDE1C:CCDS55100.1	-0.653027432	2.590437908	11.08668814
JPH2:CCDS13326.1	-1.778828164	-0.473736957	11.08556646
RENBP:CCDS14738.2	1.291073649	4.29655372	11.084654
KCNC3:CCDS12793.1	-0.707603042	2.811073851	11.07863699
ARHGAP9:CCDS44928.1	-0.670195112	2.005216316	11.07415468
HEPACAM2:CCDS43616.1	-1.009631066	0.65148657	11.06990404
ZG16:CCDS54000.1	-1.415077402	-0.790279731	11.06974061
ZC3H13:CCDS9400.1	0.670339473	6.103825219	11.06383081
HTR3B:CCDS8364.1	-1.169455154	0.522855871	11.0609677
FAM163A:CCDS1333.1	-1.23332917	0.490772534	11.05890373
TMEM44:CCDS3308.2	-0.614274552	3.367496295	11.05846398
CARD14:CCDS11768.1	-0.613784507	2.170538387	11.05549452
PARD3B:CCDS42806.1	0.651119318	4.301204669	11.04811222
ANO10:CCDS56248.1	0.612892619	4.076727847	11.03961297
POLL:CCDS7513.1	0.551687781	4.448239545	11.03447318
C3orf55:CCDS46944.1	-1.415146526	-0.23455385	11.01466405
C1orf52:CCDS703.1	-0.687718032	3.154456516	11.00257501
DOK5:CCDS13446.1	-0.674890102	4.755819197	11.00067664
TMPRSS15:CCDS13571.1	-0.66602456	1.877191915	10.99553948
SSX2B:CCDS48129.1	-1.416740034	-0.217641865	10.99464123
MR1:CCDS1342.1	-0.900267275	0.808039226	10.9839884
KAZN:CCDS41268.1	-0.630519999	4.267379329	10.97348577
ARNTL:CCDS44543.1	-0.691009423	3.140203351	10.96967962
CELF3:CCDS1002.1	-0.75689605	6.603051523	10.96937851
MCC:CCDS4111.1	0.69679764	4.242342298	10.96370593
DNAAF2:CCDS45100.1	-0.563788254	2.578847163	10.95822524
MFI2:CCDS3325.1	-0.788945402	2.418740715	10.95352139
SPTB:CCDS32100.1	-0.966277496	3.811258195	10.95192569
NTS:CCDS9029.1	-1.171540229	1.600666458	10.94608579
CELF4:CCDS45858.1	-0.870947545	4.590702881	10.94393271
WEE2:CCDS43660.1	-0.676377114	1.639961496	10.94344084
GAS2L2:CCDS11298.1	-0.894231176	1.382248472	10.94343708
ZNF556:CCDS12097.1	-0.846898711	0.259535567	10.94267022
TAF1L:CCDS35003.1	-0.650739413	2.457358703	10.94139719
KCTD19:CCDS42179.1	-0.915758709	1.737967415	10.93535706
DOK4:CCDS10783.1	-0.682703794	5.169049601	10.93106172
CD7:CCDS11807.1	-0.788107389	0.003421116	10.92999936
ZNF385B:CCDS46464.1	-1.127705889	1.177770862	10.92830229
SPATA12:CCDS2879.1	-1.061731127	-0.648205018	10.92314767
TMEM44:CCDS33921.1	-0.603673274	3.293661706	10.91753562
RPAP1:CCDS10079.1	0.5485575	5.864558589	10.91508211
CLUL1:CCDS42405.1	-0.711781857	1.701535536	10.91280927
DMRT3:CCDS6443.1	-1.052724062	1.279641697	10.90678785
TBC1D28:CCDS42273.1	-1.149431579	-0.278807018	10.90664382
THAP1:CCDS6137.1	-0.720884816	0.472015455	10.90489682
RHOB:CCDS1699.1	-1.021779268	5.183495416	10.90224762
NPFFR1:CCDS53539.1	-0.916877551	0.204953828	10.89619795
ESRP2:CCDS10863.1	-0.647002876	1.40169548	10.89365399

TAUvsControls

MEOX2:CCDS34605.1	-1.532284887	1.972708675	10.88890097
POLB:CCDS6129.1	-0.703398882	4.94885147	10.88779659
YEATS4:CCDS8990.1	-0.660260473	3.11538503	10.88390756
SGPL1:CCDS31216.1	0.634303866	4.711077042	10.88373866
C19orf59:CCDS12183.1	-1.185053113	-0.26273773	10.87902929
RSPO4:CCDS42845.1	-1.361523142	-0.058116757	10.87746654
MAMLD1:CCDS55525.1	-0.582927231	3.504209298	10.87499124
LRTOMT:CCDS8208.1	0.622938758	2.483463943	10.87450337
ADAMTSL4:CCDS955.1	0.744339869	3.609206305	10.87287823
CECR1:CCDS13743.1	1.143494574	3.416372856	10.87256096
ASCC3:CCDS5046.1	0.705939987	5.056636618	10.86806558
THPO:CCDS3265.1	-0.826062936	0.757340916	10.8679598
LTA4H:CCDS9059.1	0.520527492	6.169201678	10.86683331
RAB36:CCDS13805.1	0.654334206	3.958812757	10.85104322
DISC1:CCDS31055.1	-0.685665364	2.347605608	10.84462767
KIAA0368:CCDS48006.1	0.501932763	6.605387262	10.84448001
ZBTB7A:CCDS12119.1	-0.594329074	3.010068172	10.84112602
NEDD9:CCDS47373.1	-0.554954478	4.372538469	10.83593324
IGSF22:CCDS41625.2	-0.73447181	2.37933169	10.83580619
C1QTNF1:CCDS11762.1	-1.264897908	1.062926578	10.83156552
ZNF716:CCDS55112.1	-0.861513521	0.267086338	10.83101771
GPR20:CCDS34949.1	-0.851141815	-0.019438906	10.8304668
ADRA2C:CCDS47004.1	-1.033172791	1.274080398	10.82799245
RGS18:CCDS1374.1	-1.374349286	-0.39852234	10.82777254
COL9A2:CCDS450.1	-1.045038669	3.63735146	10.82417627
OR8B4:CCDS31710.1	-1.379815221	-0.698487719	10.82299922
SLC45A4:CCDS34948.1	-0.566738843	3.004532103	10.82247398
GRK5:CCDS7612.1	-0.631041928	4.469345365	10.82019352
KCNJ9:CCDS1194.1	-0.822032528	2.367168797	10.81530315
CIT:CCDS55891.1	0.716543263	5.208898332	10.81440203
ACTR3C:CCDS47744.1	-0.639487237	1.547816921	10.81312708
NSL1:CCDS53474.1	-0.582127686	3.128526149	10.81289681
FAM122B:CCDS55498.1	0.931820428	3.392368683	10.81264972
KRT19:CCDS11399.1	-1.101253466	3.73995873	10.80420573
ABLIM2:CCDS54719.1	-0.770567178	3.325774374	10.78775948
ANO10:CCDS56250.1	0.600018211	4.023845167	10.78748062
MPEG1:CCDS41650.1	-2.083202066	1.030829505	10.78735925
ARNTL:CCDS31430.1	-0.689705006	3.23178082	10.78033264
AMOT:CCDS48154.1	0.827664813	4.729623947	10.78003982
EIF4B:CCDS41788.1	0.59679333	8.777939385	10.77818758
EVC2:CCDS54718.1	-1.023304566	2.507141002	10.77812031
PPP2R2C:CCDS56305.1	-0.953860548	4.100166046	10.77549733
UBE4A:CCDS55790.1	0.592602374	5.197835777	10.77445315
LMTK3:CCDS46136.1	-0.691992549	5.971006653	10.77206366
SP110:CCDS2475.1	-1.090701165	3.490407073	10.77006612
CPA6:CCDS6200.1	-0.808866307	0.851376092	10.76879588
NTRK3:CCDS32322.1	-0.700098071	4.201362159	10.76863887
CDV3:CCDS46918.1	0.629150073	4.174123841	10.76721931
CLDN19:CCDS471.1	-0.832360333	0.171598852	10.75911292
PLEKHO1:CCDS945.1	-0.676555245	6.134936763	10.75271527
FBRSL1:CCDS45010.1	-0.628891455	5.704652127	10.74990491

TAUvsControls

XPO1:CCDS33205.1	0.593422576	6.058068834	10.74906256
CYP11A1:CCDS45303.1	-0.835619542	0.37119446	10.74060873
SEPT12:CCDS53987.1	-0.77336589	0.307561697	10.73501813
MUCL1:CCDS8885.1	-1.400944789	-0.731807895	10.73285617
MREG:CCDS46513.1	-0.70607409	1.518369086	10.7269129
SMARCA5:CCDS3761.1	0.639239862	6.703635112	10.72510529
EMX2:CCDS7601.1	-1.085675331	2.910241142	10.71977305
WEE1:CCDS44536.1	0.554822948	4.129661984	10.71611617
GMPS:CCDS46941.1	0.55968492	5.445321132	10.71333243
OLFM4:CCDS9440.1	-0.855673581	0.36858903	10.71147821
ESRP1:CCDS47896.1	-0.721416896	1.276992314	10.70956083
GPX7:CCDS569.1	-0.936577289	2.489778788	10.70917853
TMEM101:CCDS11474.1	0.63608067	4.142697111	10.70882431
TEX12:CCDS31679.1	-1.423847413	-0.601637681	10.70779505
UBE4A:CCDS8396.1	0.590188058	5.198838688	10.70436574
OR5M9:CCDS31531.1	-1.408258016	-0.590277465	10.69614859
CHRNA1:CCDS2261.1	-1.571185868	2.116016316	10.69487578
CBLC:CCDS12643.1	-1.523707416	1.287246138	10.69233758
PKIA:CCDS6222.1	-0.578899484	4.332463606	10.68819365
MEOX1:CCDS42343.1	-1.187786072	0.351904429	10.68664767
PDE9A:CCDS13690.1	-0.569162272	5.05400876	10.67445446
PAX2:CCDS41561.1	-1.27678102	3.392000606	10.67284878
KCNIP2:CCDS41562.1	-0.766721755	2.800642913	10.67176922
SP110:CCDS2474.1	-1.085142571	3.47819216	10.66916586
P2RY2:CCDS8219.1	-1.086746304	-0.063704186	10.66758946
TXNDC8:CCDS35104.1	-1.400705264	-0.646535567	10.66563381
PDE9A:CCDS33567.1	-0.579671013	4.972351922	10.66058096
SHISA2:CCDS31951.1	-1.135802785	2.728874428	10.65658247
ENTPD8:CCDS43913.1	-0.735199076	0.80400287	10.64362074
NDNL2:CCDS10023.1	-0.694451013	4.409756874	10.63650486
AHRR:CCDS43297.1	-0.56697554	3.989737783	10.63626903
CNDP1:CCDS12007.1	-0.902133662	0.999479246	10.63394395
OTUD1:CCDS44366.1	-0.599748995	1.928236059	10.63135097
KAZN:CCDS30604.1	-0.632706749	4.399801125	10.62364184
EGR3:CCDS56528.1	-0.89328774	0.852436727	10.61865726
SCN5A:CCDS54570.1	-1.138637072	3.656172002	10.61444222
SH2D2A:CCDS1159.1	-0.84971231	0.832366997	10.60951088
GPR64:CCDS55379.1	-0.85210925	2.936521045	10.60430472
GPR126:CCDS47489.1	-1.27065377	3.018502708	10.6010732
TSHZ1:CCDS12009.1	-0.668679815	4.897999989	10.59980693
E2F8:CCDS7849.1	-0.710925466	2.031740191	10.59214291
KLRC1:CCDS8626.1	-1.353865377	-0.464555474	10.58873894
CCDC116:CCDS13791.1	-0.776497136	0.727148628	10.58633118
RTN1:CCDS9740.1	-0.809322777	7.04914556	10.58332699
GPR83:CCDS8297.1	-0.93687465	1.010782234	10.58055524
TIFA:CCDS34051.1	-0.933442332	0.699373721	10.57904102
KCNK2:CCDS31024.1	-0.60949771	2.496779869	10.5782636
SLC7A3:CCDS14404.1	0.786002237	3.890823947	10.57529935
CAMKK2:CCDS9218.1	-0.602222846	4.6325391	10.57159867
CCDC148:CCDS33304.1	-0.724705827	1.504339407	10.5699328
PANK4:CCDS42.1	-0.594484153	5.871410116	10.56921273

TAUvsControls

CD82:CCDS7909.1	-0.728645118	4.364817553	10.56825786
SELO:CCDS43034.1	-0.523404943	4.203576025	10.56723165
KCNIP2:CCDS7525.1	-0.771203107	2.743816026	10.56505754
CD200R1L:CCDS56267.1	-1.397786544	-0.213700838	10.55913922
AP4S1:CCDS9642.1	-0.845323191	0.874689442	10.55869282
GPR126:CCDS55064.1	-1.245752518	2.969487487	10.54776969
SYNRG:CCDS54113.1	0.510156329	5.146729259	10.54518856
MAST1:CCDS32921.1	-0.703094104	6.936637751	10.54148334
SPINT1:CCDS45231.1	-1.152434982	2.236179706	10.53564623
CCDC42B:CCDS44983.1	-0.856220636	0.229593638	10.53413825
LCTL:CCDS10220.1	-0.618774267	1.982878379	10.53369261
PLL:CCDS10777.1	-0.937526502	-0.262013873	10.53130221
TMEM165:CCDS3499.1	-0.735769619	3.579289304	10.52960443
PLG:CCDS55074.1	-1.34324867	-0.370960389	10.52843746
CABP5:CCDS12709.1	-1.648127819	0.344835499	10.52581991
CCBL2:CCDS30766.1	0.533445246	3.912601772	10.52218415
FGF19:CCDS8193.1	-1.300346278	2.027011833	10.5207969
ADAMTS17:CCDS10383.1	-0.97410851	2.369673019	10.50935322
MMP26:CCDS7752.1	-0.891854279	-0.339500773	10.50813103
POU2F1:CCDS55655.1	0.7467848	3.648490129	10.49578608
ASTN1:CCDS1319.1	-0.787846105	5.911274357	10.49244609
ACSM3:CCDS45435.1	-0.967995685	0.924717	10.4819765
CALCR:CCDS55125.1	-1.429204975	1.127169292	10.47201205
MYOM3:CCDS41281.1	-1.498644176	3.00935118	10.46572026
CIT:CCDS9192.1	0.706722631	5.173646236	10.46292702
ITSN1:CCDS33545.1	0.615652415	5.862324364	10.46100536
MED30:CCDS6323.1	-0.707954243	2.737210452	10.44568183
SH2D2A:CCDS53381.1	-0.841541591	0.849133297	10.43852466
PAX2:CCDS7499.1	-1.249600284	3.33439585	10.43639987
KRT12:CCDS11378.1	-0.814979145	0.462033904	10.43416884
CDKL4:CCDS33184.1	-1.425182391	1.471984123	10.43172245
ISY1-RAB43:CCDS56276.1	0.607877224	4.587662802	10.43094788
MYL9:CCDS13276.1	-1.519807339	4.730186576	10.419436
TNNI1:CCDS1411.1	-1.760454511	5.080926144	10.41903168
BCL11B:CCDS9949.1	-1.200350569	3.122474167	10.4187211
BID:CCDS13747.1	-0.662592953	3.563728513	10.41670538
SPINT1:CCDS10067.1	-1.15749853	2.257698488	10.41378782
LRRC32:CCDS8245.1	-1.084322972	2.336936179	10.41257294
NPL:CCDS55666.1	-0.708199317	1.052669864	10.40927962
LY9:CCDS30917.1	-1.131923352	-0.440852401	10.40711834
MAGEB10:CCDS35221.1	-1.292132802	-0.342610165	10.40425798
APOOL:CCDS48138.1	0.615456306	2.534541927	10.39581965
DIRAS3:CCDS641.1	-1.079850094	1.21265576	10.39343342
FAM19A5:CCDS46728.1	-0.623028776	3.279152097	10.38642279
ANXA3:CCDS3584.1	-1.219286828	2.472029821	10.38226749
POU2F1:CCDS1259.2	0.736986855	3.740163082	10.38087893
SYT2:CCDS1427.1	0.749550247	2.552462277	10.37789347
EPS15:CCDS557.1	0.715141784	5.437177845	10.37186699
MIB1:CCDS11871.1	0.698177606	5.210397156	10.37153325
INSL6:CCDS6458.1	-1.434070711	-0.741972952	10.37021242
CLDN10:CCDS9475.1	-0.784503331	-0.103918408	10.36460867

TAUvsControls

OR4K1:CCDS32025.1	-1.356128633	-0.59340371	10.36225995
SPPL2C:CCDS32673.1	-0.715331361	0.686450399	10.35606633
PCSK2:CCDS13125.1	-0.857406303	4.878610708	10.3555307
ING1:CCDS9517.1	-0.682491168	3.652948109	10.35019387
KRT17:CCDS11402.1	-0.894078166	1.61635755	10.34973181
PPP2R2C:CCDS3388.1	-0.937965216	4.160972347	10.34864512
ZNF503:CCDS7350.1	-0.803712127	4.478747399	10.34577705
MAPK10:CCDS43247.1	0.627421814	5.219561632	10.33758363
SLCO1A2:CCDS8686.1	-1.085461366	1.154085326	10.33752943
MAMLD1:CCDS14693.2	-0.569187711	3.552760974	10.33356354
ENTPD8:CCDS7043.1	-0.723227088	0.679756107	10.33310754
HIST1H4B:CCDS4572.1	1.63253521	0.478146442	10.33109612
NUAK1:CCDS31892.1	-0.583613318	4.502278913	10.32989019
SYTL3:CCDS56458.1	-0.839037865	1.685250024	10.32607272
POU2F1:CCDS55656.1	0.739493681	3.731716109	10.32341035
TMEM14C:CCDS4514.1	-0.908080672	5.93856469	10.32037066
RAMP3:CCDS5503.1	-1.664053643	-0.375430629	10.31995313
CLDN24:CCDS54824.1	-1.382513664	-0.600159235	10.31919568
ERP44:CCDS35082.1	0.560109444	4.542444808	10.31643588
TMEM44:CCDS54698.1	-0.601294888	3.16976954	10.31494743
OR5A2:CCDS31560.1	-1.320822451	-0.560189188	10.31350662
CD300LG:CCDS11470.1	-0.742945196	0.49328024	10.31191092
PCSK2:CCDS56180.1	-0.864866419	4.858355275	10.31153633
BID:CCDS13748.1	-0.682794256	3.458646346	10.30803416
CD80:CCDS2989.1	-1.423486252	-0.067326074	10.3074885
NIPAL1:CCDS3479.1	-1.365856995	0.588927963	10.29664929
TUBB1:CCDS13475.1	-0.847403436	1.420014498	10.29362249
FGF14:CCDS9500.1	-0.712012889	1.870487552	10.27679814
TYW3:CCDS666.1	0.708454862	2.145627736	10.27659745
CD82:CCDS31469.1	-0.732392332	4.264680174	10.27055299
PDXP:CCDS13953.1	-0.644898699	4.039035987	10.26641788
PDE9A:CCDS33568.1	-0.564356266	4.980575106	10.25905601
PPOX:CCDS1221.1	0.544053402	4.266497237	10.25812346
CHRNA1:CCDS33331.1	-1.532771105	2.199853602	10.2536907
ADAMTSL4:CCDS30852.1	0.698286352	3.226277839	10.25202045
CAMKK2:CCDS9216.1	-0.591794312	4.72382266	10.25032705
SLC16A14:CCDS2473.1	0.581744811	4.129443649	10.24755698
GRAMD1C:CCDS33826.1	-0.740271984	1.802084109	10.24497512
KATNAL1:CCDS31956.1	0.563605662	3.292047725	10.23952223
ZBTB3:CCDS8034.1	0.557689075	2.664953029	10.23743619
SHC3:CCDS6681.1	-0.62879131	4.263671522	10.23646519
IKBKAP:CCDS6773.1	0.565381032	5.698144774	10.23458506
SLC7A4:CCDS33608.1	-0.955824033	1.583548356	10.23284379
LOXL2:CCDS34864.1	-1.211249685	6.885792951	10.23228608
SCN5A:CCDS46799.1	-1.119017751	3.676527297	10.23195369
TMEM40:CCDS2613.1	-1.782203232	0.866021502	10.22667558
PLCXD2:CCDS2961.1	-0.64879484	1.870354138	10.22602721
DENND3:CCDS34947.1	-0.542684277	3.085085107	10.22137427
PPP2R2C:CCDS56304.1	-0.932592375	4.155202811	10.22052541
KRT10:CCDS11377.1	-0.638892259	3.85879705	10.21995008
DUSP6:CCDS9034.1	-0.767458466	3.818520776	10.21683758

TAUvsControls

PINX1:CCDS47801.1	-0.557936048	3.506436167	10.21425905
GIMAP4:CCDS5904.1	-1.38327689	0.237734967	10.20782198
CHRM1:CCDS8040.1	-1.316052249	0.982333425	10.19854253
SCN5A:CCDS46798.1	-1.115930441	3.662495189	10.19520274
CXorf21:CCDS14224.1	-1.297529971	-0.510594076	10.19227353
RTN1:CCDS9741.1	-0.861528385	7.127361789	10.1921308
CARD9:CCDS48057.1	-0.809945316	1.141349479	10.19209524
MAP3K10:CCDS12549.1	-0.71440777	5.335595097	10.1880158
KIRREL2:CCDS12481.1	0.812456661	4.771174008	10.18745004
WNK4:CCDS11439.1	-0.613278916	2.289514704	10.18523564
PTPLA:CCDS7121.1	-0.840747173	0.900608974	10.18470613
TAAR2:CCDS5157.1	-1.330551006	0.39372694	10.17604452
PAX2:CCDS53569.1	-1.252892075	3.457456403	10.17477727
CAMKK2:CCDS44999.1	-0.593064075	4.678639684	10.17437586
TNFRSF6B:CCDS13532.1	-0.583401314	1.117128064	10.1671054
SCN5A:CCDS46796.1	-1.115137424	3.674633231	10.16289342
FAM65C:CCDS13431.2	-0.942907826	2.289533308	10.16153117
SCN5A:CCDS46797.1	-1.114745397	3.672443524	10.15492668
MIOX:CCDS14092.1	-0.782237023	0.301679694	10.14828889
TSHR:CCDS9872.1	-1.252356205	1.353113531	10.14277629
INPP5B:CCDS41306.1	0.538123048	4.006906499	10.14165827
P2RY11:CCDS12226.1	-0.597935561	1.935907796	10.13937161
BDKRB2:CCDS9942.1	-1.14364106	1.051059838	10.1351707
OR52N2:CCDS31399.1	-1.340173016	-0.033520139	10.12939814
LPHN2:CCDS689.1	0.609935475	6.207628657	10.12073512
TGFB1:CCDS6738.1	0.684383119	4.175446562	10.11978785
MYL9:CCDS13277.1	-1.476714125	4.15252077	10.11899804
SCN4A:CCDS45761.1	-1.366905724	2.597231283	10.11802259
MFI2:CCDS3326.1	-0.904569943	1.236712832	10.11746134
KRTAP27-1:CCDS33532.1	-1.351691679	0.336345217	10.11355879
DMKN:CCDS46052.1	-0.815802563	2.510541044	10.11254079
GRAMD3:CCDS54892.1	-0.723864588	2.517703028	10.10703939
IL7:CCDS56541.1	-1.357355853	-0.548266107	10.10644045
GSDMD:CCDS34956.1	-1.012324794	1.42106876	10.10602605
TMEM8C:CCDS35170.1	-2.219854028	1.046484909	10.10370001
VIPR1:CCDS2698.1	-0.790219181	1.168549556	10.10205346
SYTL3:CCDS34563.1	-0.828665633	1.507924878	10.09676595
SIGLEC14:CCDS42604.1	-0.73602759	0.489464282	10.09570371
APOBEC1:CCDS8579.1	-1.282791494	-0.349079587	10.09067887
ARHGEF33:CCDS46263.2	-0.642020318	1.545716457	10.08626294
SYT7:CCDS31577.1	-0.86356312	5.248076575	10.08323478
MET:CCDS47689.1	-0.661523531	2.559497011	10.07968803
C5orf47:CCDS47343.1	-1.346059927	-0.718465698	10.07654111
MUSK:CCDS48005.1	-1.237871116	1.777625094	10.07309929
GPR173:CCDS14349.1	-0.61522449	3.729424785	10.0722879
SIRPG:CCDS13020.2	-0.887107369	0.800979512	10.07113691
PCSK2:CCDS56179.1	-0.843326939	4.746630063	10.0652875
APOL6:CCDS13919.1	-1.071415758	0.318725155	10.06280854
MRPL36:CCDS3865.1	-0.76154684	3.782984036	10.06189381
ZNF486:CCDS46029.1	-0.750482838	2.072694964	10.06103324
ZNF396:CCDS11913.1	-0.749636212	0.545941255	10.06066712

TAUvsControls

OPRM1:CCDS55068.1	-0.895870059	0.520340871	10.04814511
USP6:CCDS11069.2	-0.502831428	2.652801112	10.04731729
HSD11B1L:CCDS12144.1	-0.679196718	3.213285923	10.04693957
IL31RA:CCDS56367.1	-0.903953127	1.042412252	10.0452851
PABPC1:CCDS6289.1	0.541067401	9.504230687	10.03980245
CCL21:CCDS6571.1	-1.495806067	0.748600553	10.036724
CCK:CCDS2696.1	-1.409638264	-0.333896679	10.03515174
SP110:CCDS2476.1	-1.057330273	3.423686347	10.03398423
KLF15:CCDS3036.1	-0.738064498	1.979529308	10.03352876
ALPK1:CCDS3697.1	-0.802744866	2.49748935	10.03051115
CCDC92:CCDS9256.1	-0.54396343	4.974306301	10.02931625
ARPP19:CCDS32242.1	-0.54874557	4.62131032	10.0258026
SCN5A:CCDS54569.1	-1.105140296	3.618885915	10.02524715
ST8SIA3:CCDS32834.1	-0.727233729	1.273077901	10.01547402
GPR64:CCDS14191.1	-0.835005144	2.988995031	10.01205528
MET:CCDS43636.1	-0.658679963	2.550306264	10.01037472
PANX2:CCDS14085.2	-0.785707719	2.919722743	10.00828272
CNTF:CCDS31554.1	-1.260415628	-0.493223517	10.00652243
ING1:CCDS9515.1	-0.701859113	3.460573821	10.00260767
GPSM1:CCDS6996.2	-0.633606909	5.741933017	10.00013166
MAOB:CCDS14261.1	-0.763655273	1.701470956	10.00012997
GYPB:CCDS54809.1	-1.476841334	-0.475202865	9.991613195
GPR64:CCDS43923.1	-0.833564965	2.992831139	9.991227653
SLC22A7:CCDS4893.2	-0.823387243	1.268560559	9.989430295
CADM3:CCDS1182.1	-0.708541213	6.441308436	9.987791402
RTN4RL1:CCDS45569.1	-0.663684474	2.942118536	9.986215584
MR1:CCDS53440.1	-0.847653147	0.570580111	9.983283254
GPR64:CCDS43922.1	-0.830031535	2.95664704	9.970802487
FOLR2:CCDS8212.1	-0.864455838	-0.128801537	9.968650224
SPDYE2:CCDS34716.2	0.829340303	5.169418677	9.968508204
CMBL:CCDS3878.1	0.603029331	3.72899245	9.967118402
MOV10L1:CCDS54542.1	-1.068504862	3.720251113	9.965026014
AQP1:CCDS55097.1	-0.89273446	1.304041491	9.960988725
SP8:CCDS43555.1	-0.802779907	2.37352222	9.958733762
HIVEP3:CCDS463.1	-0.64705106	3.604380128	9.955854669
CAPNS2:CCDS54010.1	-0.834801607	-0.511448043	9.947641706
HSD11B1L:CCDS12146.1	-0.700143392	3.095205029	9.94609493
GLTSCR2:CCDS12705.1	0.664552656	9.09824173	9.942369437
HIVEP3:CCDS44124.1	-0.646336808	3.603933968	9.932360288
MTUS2:CCDS41874.1	-0.908215479	1.994669754	9.928354438
SP110:CCDS54435.1	-1.051253009	3.432869951	9.926694735
IL8:CCDS34005.1	-1.428641404	-0.693117644	9.919410559
HDAC8:CCDS55451.1	-0.51541155	3.162614337	9.914156535
BCL11B:CCDS9950.1	-1.17486562	3.267642204	9.913181624
KCNIP4:CCDS43215.1	-1.339691754	1.181419106	9.912729412
CCDC134:CCDS33654.1	0.774476059	2.422398839	9.912095366
NEU4:CCDS54442.1	-0.650519873	0.612488477	9.91167989
LIX1L:CCDS915.1	0.70687153	4.541313269	9.910972332
DPPA3:CCDS8582.1	-0.973530134	-0.315723052	9.910134001
BCL3:CCDS12642.2	-0.777901693	2.545450558	9.90672625
DNASE2B:CCDS44167.1	-1.083374163	0.281580386	9.903412485

TAUvsControls

PAPLN:CCDS32114.1	-0.621311631	2.534036464	9.888760924
AGTR2:CCDS14569.1	-1.3051119	0.200713312	9.879704184
CADM3:CCDS44251.1	-0.720240922	6.376469477	9.877729762
PPP1R14D:CCDS10066.1	-0.912801533	-0.553960113	9.87640916
ESR2:CCDS9762.1	-0.666235456	1.177838917	9.864476217
ID2:CCDS1659.1	-0.597611296	4.738730445	9.863791357
GOLIM4:CCDS3204.1	0.742867593	5.644586481	9.859274069
MAPK10:CCDS34026.1	0.609774693	5.283556822	9.848259545
MMP17:CCDS31927.1	-0.725620081	4.428410763	9.841449864
GRAMD3:CCDS4136.1	-0.719446345	2.476571632	9.841111072
C19orf48:CCDS12803.1	0.910213734	4.031521768	9.836018929
GBX1:CCDS43682.1	-0.836207695	0.206295855	9.834347655
GDNF:CCDS3922.1	-0.878259746	-0.543167359	9.831898168
PANX2:CCDS54544.1	-0.781576304	2.891588023	9.828511858
C2orf54:CCDS42839.1	-0.726287623	0.523925094	9.827953732
MNX1:CCDS34788.1	-0.778786594	1.143172668	9.827550774
TRPV2:CCDS32576.1	-0.709783725	2.140267479	9.825624862
ZNF561:CCDS12216.2	0.571536542	2.897055193	9.82471312
FAXC:CCDS34500.1	-0.700717511	4.03237909	9.820445056
GAS8:CCDS10992.1	-1.980007126	7.330035151	9.818176493
NFATC1:CCDS32850.1	-0.639562643	3.374497151	9.817849541
FAM111B:CCDS44611.1	-0.704218489	1.429366006	9.817662658
SIRPG:CCDS33434.1	-0.879296916	0.262161754	9.81666149
KCNK2:CCDS41466.1	-0.59028574	2.470454147	9.815654457
ATF7:CCDS44906.1	0.628900001	3.392207271	9.814295115
UBQLNL:CCDS31385.1	-0.790077085	0.278606763	9.811275094
DISC1:CCDS53483.1	-0.67292831	2.347452456	9.809148642
PSMB8:CCDS4757.1	-0.998811363	2.906402111	9.805313502
APTX:CCDS47956.1	0.547148673	3.758951398	9.802704743
IAH1:CCDS42651.1	-1.207097196	3.082021891	9.802499155
GNRH2:CCDS13040.1	-1.055824732	-0.35813491	9.798934198
GRIK5:CCDS12595.1	-0.641833362	6.287758355	9.791955871
JAG2:CCDS9999.1	-0.649216601	4.03638886	9.791920422
ELANE:CCDS12045.1	-0.937634421	-0.370737455	9.789149329
ZNF121:CCDS32902.1	0.798271124	1.743686286	9.78727901
NONO:CCDS55445.1	0.58049046	8.414929859	9.786615243
YAF2:CCDS53778.1	-0.61593024	2.520570852	9.785858665
PSMB8:CCDS4756.1	-0.964751074	2.831624656	9.783249411
TCF7L2:CCDS55729.1	0.657763609	4.573735103	9.782330851
ABLIM2:CCDS47011.1	-0.748528186	3.448233364	9.779924192
SMU1:CCDS6534.1	0.648628984	5.363347891	9.778383807
MARCH2:CCDS32894.1	0.723068944	4.560045184	9.777502866
MRPL34:CCDS12356.1	-0.762052502	2.99763086	9.764817016
B4GALNT3:CCDS8504.1	-1.062212422	3.545340893	9.754321436
AGFG2:CCDS5697.1	-0.662101082	3.217480302	9.751537439
DMRTA1:CCDS6514.1	-0.698138796	0.701290901	9.751521053
GRAMD3:CCDS54893.1	-0.73036276	2.393388678	9.739327291
SELPLG:CCDS55881.1	-0.674640774	0.724622315	9.738767884
GABRA5:CCDS45194.1	-1.048018066	2.89449807	9.734736405
PDE9A:CCDS42942.1	-0.548410484	4.974317453	9.731450018
MMP3:CCDS8323.1	-1.790637748	1.44555151	9.723691783

TAUvsControls

CELA2A:CCDS157.1	-0.743937809	0.063918842	9.723551872
NAPEPLD:CCDS5729.1	-0.932445014	2.486238125	9.72136023
PTX4:CCDS32362.1	-0.806387942	-0.052660908	9.71922739
CAV3:CCDS2569.1	-1.807836481	-0.29163545	9.714107156
HAS1:CCDS12838.1	-0.855234534	1.475381915	9.704339419
CD200R1:CCDS46889.1	-1.292016591	-0.449597879	9.701934451
CLDN10:CCDS9476.1	-0.775924574	0.106602924	9.700844522
LMCD1:CCDS33688.1	-0.763092875	3.748311387	9.69754421
SCN1B:CCDS12441.1	-0.973384285	1.000239153	9.696522896
ZNF655:CCDS34695.1	0.711298693	1.236763113	9.694126491
PNKD:CCDS2413.1	-0.691711402	2.876301719	9.691029113
JAG2:CCDS9998.1	-0.645860321	4.086551781	9.690934194
SS18L1:CCDS13491.1	-0.588697668	4.15279201	9.689842514
ZNF521:CCDS32806.1	0.565130189	5.701670474	9.68767285
GPR84:CCDS8878.1	-0.891375364	0.228821711	9.685130763
LARP1:CCDS4328.1	0.497155084	7.169953423	9.683783487
TNNT3:CCDS41594.1	-1.727390644	3.596572315	9.681816181
INPP5J:CCDS46687.1	-0.656769423	3.836911329	9.671460506
RDH12:CCDS9787.1	-0.781302923	0.300195164	9.671271221
ST6GALNAC4:CCDS6883.1	0.596239131	4.30425492	9.670627332
AQP1:CCDS55096.1	-0.915194066	1.197466559	9.670193741
CALCR:CCDS5631.1	-1.387541421	0.934953323	9.669854039
PPFIA4:CCDS44296.1	-0.784010209	2.803489403	9.668755925
DRD1:CCDS4393.1	-0.903976551	0.38595751	9.668428066
TLL1:CCDS3811.1	-0.78990563	2.06719022	9.667647351
TMEM225:CCDS31697.1	-1.284471478	0.418029584	9.666611239
MYH8:CCDS11153.1	-1.543338656	3.751893216	9.663569346
KCNK3:CCDS1727.1	-0.722384888	3.127333867	9.658191154
C19orf12:CCDS12418.2	-0.658121233	2.240144169	9.657265763
HIST1H2AC:CCDS4585.1	-0.778837471	1.298238514	9.653220487
GCNT3:CCDS10172.1	-0.831661179	0.043799598	9.65243885
CDR1:CCDS14670.1	1.098635904	4.067743691	9.651195082
TMEM158:CCDS54573.1	-0.835726254	3.366710397	9.649005594
WNT2:CCDS5771.1	-1.411321547	1.152284711	9.643196025
ZFYVE28:CCDS54709.1	-0.762088092	0.608660074	9.64089218
GNAT3:CCDS47625.1	-0.860907971	0.29887838	9.640301412
SNAP25:CCDS13109.1	-0.938765605	5.185394808	9.639794557
MXRA7:CCDS32745.1	0.785266141	5.30542572	9.639681213
PDC:CCDS41447.1	-1.824448888	-0.426419673	9.636864702
DQX1:CCDS1949.2	-0.658740345	1.170676811	9.635606963
KCNIP4:CCDS43217.1	-1.319570245	1.21208802	9.635297987
PTCHD1:CCDS35215.2	-0.80650999	1.67472568	9.634587854
KCNC1:CCDS7827.1	-0.577945525	2.731285059	9.632382813
CATSPERD:CCDS12149.2	-0.621795371	1.599240217	9.632159995
TYW3:CCDS53334.1	0.737150534	1.920321124	9.628766163
GPR64:CCDS55378.1	-0.822532192	2.9504235	9.62222934
TNNT3:CCDS41595.1	-1.725527572	3.540564032	9.618959954
SYNRG:CCDS54114.1	0.484178228	5.279617931	9.618517537
EVI2B:CCDS11266.1	-0.849350158	0.253538867	9.618140446
CHAT:CCDS7232.1	-0.757877295	1.908523156	9.617334456
DNAI2:CCDS11697.1	-0.74740334	1.172145333	9.612717174

TAUvsControls

HIST1H2BK:CCDS4621.1	-0.667606418	2.822701153	9.608890692
SLC18A1:CCDS47814.1	-0.727352081	2.941013844	9.608371497
KREMEN2:CCDS10484.1	-0.794873863	1.662257731	9.607532384
METRNL:CCDS32779.1	-0.812951794	4.794150315	9.60402542
P2RX5:CCDS11035.1	-0.888573078	2.065473394	9.602299465
PWWP2B:CCDS44497.1	-0.577267039	2.795105854	9.601391702
HMX1:CCDS47018.1	-1.401702554	2.018738288	9.598065571
LYNX1:CCDS6389.1	1.098909392	0.642230538	9.596782465
GRIN3A:CCDS6758.1	-0.784961448	2.344387407	9.592045641
TM2D2:CCDS43733.1	-0.607762792	2.791965385	9.590831964
GPR64:CCDS55377.1	-0.818894549	2.913136944	9.587915619
CNIH2:CCDS8131.1	-0.877242777	6.616953689	9.586668572
PDE9A:CCDS33569.1	-0.542020183	4.964651166	9.584610666
GRAMD3:CCDS54891.1	-0.718363757	2.414708554	9.582696445
FBXL13:CCDS47678.1	-0.7528768	2.798795849	9.580024413
BBX:CCDS2950.1	0.606103517	4.137445242	9.57925745
MOV10L1:CCDS54541.1	-1.048981473	3.708127895	9.577431229
P2RX5:CCDS56014.1	-0.885354951	2.066245722	9.57415483
IRAK2:CCDS33697.1	-0.846321132	1.832696375	9.571724194
GH1:CCDS11654.1	-0.99592329	-0.306468879	9.568694554
MR1:CCDS53441.1	-0.889244446	0.33878265	9.568458813
CD8A:CCDS1992.1	-0.964449251	0.240465062	9.565172644
GABRG1:CCDS3470.1	-1.154427821	0.848489531	9.5618995
PTGS2:CCDS1371.1	-1.127881812	1.087722383	9.560214845
CECR1:CCDS13742.1	1.047870258	3.46263905	9.554390977
LRTOMT:CCDS55778.1	0.588175803	2.452743983	9.552249329
TPR:CCDS41446.1	0.656875712	6.534330419	9.551592849
YAF2:CCDS31775.1	-0.610677184	3.013247179	9.551456253
CCDC71L:CCDS55151.1	-0.750187501	1.544454577	9.551237555
HDAC8:CCDS14420.1	-0.451472848	3.607267223	9.550752016
C1orf168:CCDS30729.1	-1.068076065	1.401546769	9.543610448
RTN4IP1:CCDS5056.1	-0.616517279	2.044797324	9.541959984
INMT:CCDS5430.1	-1.652040325	0.931109416	9.541797725
TBX3:CCDS9175.1	-1.113327413	2.149476	9.541373571
CNR1:CCDS5015.1	-0.595900253	4.682163624	9.539279421
GPR64:CCDS43921.1	-0.815782524	2.910100147	9.533119101
FXVD3:CCDS46049.1	-1.254278765	-0.576178413	9.53188388
FAM43A:CCDS33923.1	-0.96854994	3.020644775	9.527121473
IL21R:CCDS10630.1	-0.751096856	1.158042765	9.525122552
NFAM1:CCDS14034.1	-1.026373808	0.483068314	9.523253781
SLC24A4:CCDS9903.2	-0.661681171	1.546084725	9.522861834
IFI27L1:CCDS9919.1	-0.563486865	4.526753087	9.522113476
DNAAF2:CCDS9691.2	-0.515128829	2.685549659	9.521479455
PCDHB4:CCDS4246.1	-0.596950199	2.316081434	9.51975093
TTC16:CCDS6875.1	-0.598266651	1.582288468	9.515414357
C5orf15:CCDS4167.1	-0.522199315	3.774557679	9.515382189
NSL1:CCDS1509.1	-0.502010627	3.528115184	9.514910805
CDV3:CCDS46917.1	0.571878951	4.459002964	9.513757165
IMPG1:CCDS4985.1	-1.42318589	1.783012104	9.509963638
TNNT3:CCDS41596.1	-1.713166503	3.534361941	9.506240992
MYBL1:CCDS47867.1	-0.603982341	1.882238958	9.505976839

TAUvsControls

SLC30A3:CCDS1743.1	-1.054826079	1.416189934	9.505773273
C10orf10:CCDS7210.1	-0.706722055	1.444598071	9.50535818
APTX:CCDS6532.1	0.543634843	3.733049446	9.503993495
TPSAB1:CCDS10431.1	-0.874153753	-0.199422431	9.50397193
ANO10:CCDS56247.1	0.584461878	3.93171347	9.503159371
RGAG1:CCDS14552.1	-0.738219467	2.09667892	9.503132499
MND1:CCDS3782.1	0.859577911	1.878131592	9.50309533
SH2D2A:CCDS53380.1	-0.805260713	0.771357173	9.50249271
ST6GALNAC5:CCDS673.1	-0.705293514	2.948793784	9.501009681
BBX:CCDS46881.1	0.603224676	4.190735264	9.499880452
MAFK:CCDS5325.1	-0.592210945	2.11365272	9.493188086
INMT:CCDS56479.1	-1.647663416	0.928667546	9.488793105
SLC6A20:CCDS43077.1	-0.767078626	1.446082867	9.486606923
KIAA1598:CCDS44482.1	-0.742331116	4.869225235	9.486330348
KCNMB3:CCDS43173.1	-0.806235855	0.191483214	9.482989246
DGAT2:CCDS31642.1	-0.580511919	1.74898514	9.47942647
FAM111B:CCDS7972.1	-0.675751531	1.579054387	9.478786435
YAP1:CCDS53700.1	0.655146505	4.935945816	9.467940949
NOXO1:CCDS42101.1	-0.87045326	1.238315588	9.466159747
PDE9A:CCDS33570.1	-0.553567516	4.837381023	9.460283281
ZFP3:CCDS11067.1	-0.92021771	0.323709386	9.460048213
RPL26L1:CCDS4382.1	-0.91534625	4.205191536	9.456527297
SYNRG:CCDS11322.2	0.482573958	5.212792107	9.455192888
FOS:CCDS9841.1	-0.89656082	3.753452633	9.454387834
XPC:CCDS46763.1	0.577500101	5.600971143	9.45436031
VCAN:CCDS54876.1	0.710344764	7.514741606	9.453459916
NR4A3:CCDS6743.1	-0.718590957	2.179809371	9.452693387
MOV10L1:CCDS14084.1	-1.038680894	3.734521697	9.451277096
MITF:CCDS43106.1	-0.651692085	2.016252443	9.450247229
UPB1:CCDS13827.1	-0.788652996	0.721804957	9.449460431
ADAM17:CCDS1665.1	0.504014682	4.968259593	9.448034142
PPP1R16B:CCDS13309.1	-0.646182011	2.433910215	9.442556057
ING1:CCDS9518.1	-0.735942967	3.328289383	9.44167461
SMARCC1:CCDS2758.1	0.728269408	6.727693469	9.440271746
UBE3D:CCDS34491.1	-0.597833106	1.720564939	9.436189764
TMOD4:CCDS988.1	-0.736921839	0.913863318	9.434951414
AASS:CCDS5783.1	0.538919362	3.884172422	9.431650541
GPR179:CCDS42308.1	-1.046484038	2.566786189	9.431494264
LBH:CCDS33173.1	-0.650949543	4.747907822	9.427930465
APTX:CCDS56568.1	0.528110521	3.600190386	9.427568561
CCDC166:CCDS55280.1	-0.822163103	0.152186915	9.42677682
VAX2:CCDS1911.1	-0.84871618	2.834472698	9.424769079
MAPK10:CCDS3612.1	0.613788261	5.226646142	9.423088743
SLC6A20:CCDS2730.1	-0.745186435	1.357365339	9.420832024
TROVE2:CCDS1379.1	0.668989761	3.26650404	9.419775951
GPRASP2:CCDS14501.1	0.571456669	4.664941118	9.417810861
TTC36:CCDS31687.1	-0.786770534	0.189921949	9.416666449
MED12:CCDS43970.1	0.585234875	6.879188884	9.416642068
GNLY:CCDS1984.1	-0.874871556	-0.199765818	9.412592002
AVPR1A:CCDS8965.1	-1.171060358	0.332178757	9.410148168
CNR1:CCDS5016.2	-0.592735802	4.68119121	9.409457151

TAUvsControls

LTBP2:CCDS9831.1	-1.173872388	5.59046878	9.409284709
IGF1R:CCDS10378.1	0.568351895	6.211215061	9.404786588
DEPDC7:CCDS41633.1	-0.655524174	1.081840089	9.400255363
PICK1:CCDS13965.1	-0.596764151	4.800211206	9.399879051
PGC:CCDS55000.1	-0.797031359	0.511548213	9.398533258
CDH20:CCDS11977.1	-0.853520494	4.199654932	9.395351065
TPO:CCDS1646.1	-0.751334558	1.859815102	9.394234507
CHN2:CCDS5420.1	-0.71807285	3.825495578	9.389307179
WISP1:CCDS6371.1	-0.964165819	1.15178333	9.387963155
TSPYL6:CCDS42682.1	-0.694224647	1.386898642	9.385633576
NIPAL2:CCDS6278.1	-1.139302887	0.783156138	9.383391672
KCNIP4:CCDS3428.1	-1.326018335	1.188111072	9.379982686
LRR3B:CCDS2644.1	-0.910113614	2.119265281	9.379318167
HNRNPH1:CCDS4446.1	0.624681242	7.276689992	9.379031255
SIGLEC10:CCDS54305.1	-0.619310198	1.370715029	9.376776412
FGF17:CCDS6019.1	-1.008881642	0.221189317	9.374730365
P2RX5:CCDS56015.1	-0.87019905	2.162502452	9.374218933
ZNF577:CCDS46160.1	0.795569873	1.551186154	9.373863846
OR2B6:CCDS4642.1	-0.90207221	-0.518767368	9.366950589
FBXL13:CCDS5726.1	-0.743639325	2.848427409	9.355551765
STXBP2:CCDS45948.1	-0.611471753	3.086818687	9.353623913
P2RX5:CCDS11034.1	-0.867119319	2.163226575	9.351473724
TNNT3:CCDS7727.1	-1.702885153	3.62475917	9.347149644
C15orf54:CCDS10049.1	-1.36631298	-0.859428276	9.345490383
ARHGAP9:CCDS44929.1	-0.641884988	2.159403277	9.342058886
NECAB1:CCDS47889.1	-0.76656709	1.437930531	9.340437652
EPB41L2:CCDS47474.1	0.635195343	4.812771208	9.340050503
FGF8:CCDS7518.1	-0.920228222	0.665785752	9.339028552
SYT16:CCDS45121.1	-0.757669563	1.773904397	9.328566951
NEU4:CCDS2553.1	-0.596370766	0.90849487	9.325017169
XPC:CCDS46764.1	0.573626515	5.587745357	9.320218421
WSCD1:CCDS32538.1	-0.779406954	5.595190303	9.317085455
RWDD3:CCDS44177.1	-0.770829384	1.670385856	9.316873448
CBX4:CCDS32758.1	-0.570992756	5.528681242	9.315758865
FLT1:CCDS53861.1	-0.86238688	1.782501	9.305044321
ZNF235:CCDS33048.1	-0.704536489	1.879507328	9.304372064
SFRP4:CCDS5453.1	-1.188056252	4.702902654	9.303791386
SLC25A34:CCDS162.1	-0.729342802	0.210017633	9.302950305
GTF2H2:CCDS34183.1	0.531975369	3.738253606	9.30155627
ZNF71:CCDS12947.1	-0.619188566	4.171565561	9.292989034
TMEM71:CCDS47921.1	-0.812887909	0.186949645	9.292793122
ACTR3B:CCDS5934.1	-0.585609698	4.444914383	9.292151229
CA10:CCDS32684.1	-0.745932843	2.046115044	9.289369591
IER3:CCDS4689.1	-0.811867702	1.643419326	9.285420912
PRKG2:CCDS3589.1	-0.889701483	1.615254584	9.284979604
MEI1:CCDS46718.1	-0.622722453	2.527786837	9.280397947
FOXF1:CCDS10957.2	-0.817689625	0.291917266	9.27941042
MYD88:CCDS54566.1	-0.849162535	1.12432709	9.2792255
HOOK3:CCDS6139.1	0.673202862	3.896473952	9.271912881
IL25:CCDS9597.1	-1.365632581	-0.9012401	9.269132964
C2orf16:CCDS42666.1	-0.663982136	2.374127834	9.268576378

TAUvsControls

NOXO1:CCDS10455.1	-0.864310811	1.222183344	9.267187477
AOX1:CCDS33360.1	-0.861026224	2.62631621	9.264895127
CLUAP1:CCDS45398.1	0.53678157	3.370755866	9.261708613
YAP1:CCDS53699.1	0.653896039	5.043091336	9.253969195
TCFL5:CCDS13506.1	0.540001398	3.523231886	9.251443006
PDE9A:CCDS42943.1	-0.542104634	4.896613399	9.249950739
PLCB2:CCDS42020.1	-0.659622289	2.570338936	9.248843133
HGD:CCDS3000.1	-0.882508877	0.809730627	9.248492187
NEU4:CCDS54441.1	-0.589299016	0.966367451	9.246116546
EYA4:CCDS43506.1	-0.692922921	2.153349749	9.242083553
KLHDC7A:CCDS185.2	-0.785704123	0.868347837	9.240618876
TBX3:CCDS9176.1	-1.109403189	2.236962531	9.240292107
C16orf93:CCDS32434.2	0.778951306	3.300745872	9.238394567
CBLC:CCDS46109.1	-1.43672045	1.20943417	9.235389872
CLDN6:CCDS10488.1	-1.096167871	0.284120112	9.234237514
PLCG2:CCDS42204.1	-0.974264669	2.701016086	9.234166127
REG3G:CCDS1962.1	-0.929391604	-0.353643257	9.228416808
C19orf73:CCDS42589.1	-0.750932352	-0.394456908	9.22774268
YAP1:CCDS8314.2	0.652472	4.911792864	9.227440612
IFNE:CCDS34997.1	-1.313945071	-0.693736052	9.221705888
TPD52L1:CCDS34527.1	-0.849733287	2.906126257	9.220792594
UGT1A1:CCDS2510.1	-0.920464624	0.787958407	9.210700168
HLX:CCDS1527.1	-1.011520276	1.438958211	9.207497569
IMMT:CCDS46357.1	0.433620181	6.262671813	9.20719596
ZMAT3:CCDS3224.1	0.762182972	3.751940977	9.204898359
TMEM164:CCDS55475.1	-0.614085792	2.271615596	9.203590958
MLPH:CCDS2518.1	-0.931338942	1.658863076	9.199067681
FAM122A:CCDS6623.1	-0.501625366	3.295297381	9.195220754
VWC2:CCDS5508.1	-0.879495623	0.592586346	9.194282314
C1orf177:CCDS599.1	-0.712441903	0.421910428	9.19211409
DOC2A:CCDS10666.1	-0.640581427	2.403870685	9.1905969
ZMAT3:CCDS46962.1	0.761577097	3.751275895	9.1864289
LTB4R2:CCDS9625.2	-0.734928642	0.08762266	9.185799602
CRHR2:CCDS56477.1	-0.642758639	1.242861771	9.185149884
EYA4:CCDS5165.1	-0.700727861	2.264390956	9.180970318
CAMKK2:CCDS9219.1	-0.553470386	4.462218997	9.17943601
TM2D2:CCDS6111.1	-0.545258461	3.074363051	9.178124481
NPHP1:CCDS46384.1	-0.651973298	2.150487217	9.178083225
SLC6A6:CCDS33705.1	-0.700087655	3.030788902	9.176225837
STXBP2:CCDS12181.1	-0.609725675	3.094907674	9.173308843
GJC2:CCDS1569.1	-0.814718116	0.940571053	9.166906936
SLC18A1:CCDS6013.1	-0.720397249	2.975695971	9.163734782
RAB2B:CCDS9570.1	0.490704135	4.424889797	9.163188185
SNAP25:CCDS13110.1	-0.892861889	5.134844609	9.159421619
ADAM12:CCDS7654.1	-0.824848037	3.817864177	9.157952885
TCF7L2:CCDS53578.1	0.630554642	4.460947371	9.154747629
HLA-DQA2:CCDS4753.1	-1.566433911	0.304385489	9.154125722
HSPA4L:CCDS3734.1	0.569931965	4.245887324	9.146189352
NAP1L5:CCDS3632.1	0.624359047	2.764263134	9.142995688
ARHGDI8:CCDS8671.1	-0.750188888	0.825909379	9.137967431
ABLIM2:CCDS47012.1	-0.74709521	3.447974014	9.134748256

TAUvsControls

EFNB1:CCDS14391.1	0.606808696	6.033818378	9.132871572
ZNF668:CCDS54003.1	-0.569453468	3.574490586	9.130475567
TBX2:CCDS11627.2	-1.060285344	3.783744731	9.128692078
DBNDD2:CCDS42881.1	-0.739018381	3.392283872	9.128576128
RLBP1:CCDS32324.1	-0.825179318	0.640323275	9.127646098
SYNRG:CCDS11321.1	0.466866161	5.306071108	9.126635728
MBD3L3:CCDS45944.1	-0.864037574	-0.528884587	9.125818188
SF3B1:CCDS46479.1	0.683003385	3.829167016	9.125037003
GPR64:CCDS55376.1	-0.80788375	2.903653019	9.124708049
TM2D3:CCDS10392.1	-0.590937348	4.444965472	9.120334208
DDRGK1:CCDS13050.1	0.4618431	5.69276506	9.118208116
ESR2:CCDS32096.1	-0.646044412	1.093569255	9.108016111
PDE9A:CCDS42941.1	-0.535518439	4.886406276	9.10778504
CHAT:CCDS44389.1	-0.756787526	1.729821289	9.107173208
RCAN2:CCDS43469.1	-0.742294228	3.528471073	9.102656137
IQSEC2:CCDS48130.1	-0.717228814	4.513061041	9.101578125
VCAN:CCDS4060.1	0.674633701	7.771699685	9.100863796
NOXO1:CCDS10454.1	-0.854610715	1.204552395	9.100074715
NEIL3:CCDS3828.1	-0.64264076	1.621444616	9.098075776
SLC24A4:CCDS45155.2	-0.646631969	1.506441864	9.089272158
THSD1:CCDS9433.1	-0.674567429	2.342010314	9.085792577
TNFRSF18:CCDS10.1	-0.782409798	0.079147057	9.084660583
NXPH4:CCDS8933.1	-0.809062789	3.775433059	9.07808379
GRM7:CCDS43042.1	-1.292531341	2.848688634	9.07301295
KCNK7:CCDS31608.1	-0.729562237	0.966031498	9.072887263
VPS35:CCDS10721.1	0.548137683	5.979137251	9.067895528
FBXO25:CCDS5953.1	-0.498720138	3.552855412	9.058849653
IMMT:CCDS46356.1	0.428972338	6.270601018	9.057846755
BOLA3:CCDS33225.1	-0.729051656	3.038340681	9.055872713
MEMO1:CCDS1776.1	-0.531578247	3.639374085	9.053236745
EML6:CCDS46286.1	-0.873325635	3.312068793	9.053044712
IMMT:CCDS46355.1	0.428808588	6.271036124	9.052393093
MICAL3:CCDS46661.1	-0.46591587	5.044487019	9.052207521
CRHBP:CCDS4034.1	-0.924788936	1.569338551	9.050292899
EPB41L2:CCDS56450.1	0.623316271	5.188478288	9.049226917
SIRPG:CCDS13021.2	-0.920328657	-0.321959415	9.04900425
KCNAB3:CCDS11124.1	-0.60703382	1.374792036	9.047573742
MYLK3:CCDS10723.2	-0.709558132	1.551657127	9.047144234
PIK3CD:CCDS104.1	-0.602571882	3.53207115	9.046926254
RGL3:CCDS32910.1	-0.661640963	1.705450951	9.045257631
ICAM4:CCDS32904.1	-0.825209512	-0.189249233	9.043642566
NPM1:CCDS4376.1	0.586389669	8.774505644	9.043364553
HIP1:CCDS34669.1	0.541404007	5.954109933	9.040968326
SCN1A:CCDS54414.1	-0.634673464	2.907894199	9.039536508
STRN3:CCDS41938.1	0.555407766	4.09626208	9.035253347
HEY1:CCDS43749.1	-0.795765123	3.292416114	9.033576327
ZNF513:CCDS56114.1	-0.485174685	3.63851125	9.033048008
CLDN15:CCDS5717.1	-0.651687264	1.913338466	9.032547766
ALOX5AP:CCDS9337.1	-0.933101996	0.111727152	9.030789051
ALDH1A2:CCDS10163.1	-1.347340658	2.948163397	9.030200352
BCAT1:CCDS53762.1	0.817262022	3.907034753	9.025757771

TAUvsControls

MUTYH:CCDS41322.1	0.437361336	4.267761616	9.025289127
LAGE3:CCDS14753.1	-0.707673546	3.988707314	9.022578621
LARS:CCDS34265.1	0.49694934	6.504818047	9.020100333
FGFBP1:CCDS3418.1	-1.035140884	0.602523768	9.019898503
POPDC3:CCDS5052.1	-0.818466482	0.653876078	9.019721289
TTLL10:CCDS8.1	-0.672436694	0.938319942	9.018158281
MUTYH:CCDS41321.1	0.437258962	4.269128678	9.000702213
YAF2:CCDS53779.1	-0.612975906	3.143278658	8.997154138
HEY1:CCDS6225.1	-0.797017422	3.287691311	8.99637129
TPD52L1:CCDS34528.1	-0.874120002	2.714661561	8.996254734
RFPL2:CCDS43009.2	-1.044185387	1.209048999	8.988336154
AQP1:CCDS55098.1	-0.90041001	1.211327875	8.986712547
NIN:CCDS32078.2	0.530512098	4.841498599	8.977433893
DPF3:CCDS45133.1	-0.677307926	2.231801905	8.971035662
PGPEP1L:CCDS53977.1	-0.797757729	-0.092968786	8.969868495
OPRM1:CCDS55071.1	-0.848526835	0.409973407	8.969375901
TNFRSF4:CCDS11.1	-0.854003047	-0.225632992	8.968092519
RPS23:CCDS47241.1	0.710796687	9.590849316	8.967483626
RAB26:CCDS10460.1	-1.070344687	1.505322805	8.967099476
ECE2:CCDS43179.1	-0.649083776	2.007620962	8.964160529
MRAP2:CCDS5001.1	-0.740921817	0.17032339	8.961802409
MRAS:CCDS3100.1	-0.625836159	3.670963332	8.95352539
KCNIP4:CCDS47035.1	-1.308491013	1.035571347	8.952647697
KCNC1:CCDS44547.1	-0.562592419	2.856194013	8.950558265
OR5I1:CCDS7949.1	-1.217407729	-0.177224634	8.950382755
TCF7L2:CCDS7576.1	0.640766418	4.669567549	8.948663018
HIST1H4C:CCDS4583.1	1.38021806	0.818489787	8.94577703
SUPT3H:CCDS34466.1	0.535608283	3.320458974	8.943163642
HS3ST1:CCDS3408.1	-0.912833022	2.317866741	8.94162385
EPOR:CCDS12260.1	-0.534718914	2.678592514	8.94120577
JUND:CCDS32959.1	-0.659537008	7.051119121	8.94088259
ROPN1:CCDS3026.1	-0.932013645	-0.365711498	8.940666957
GTF3C3:CCDS56153.1	0.502851959	3.597630411	8.936178347
MT1X:CCDS10768.1	-0.983790438	1.796175509	8.933093129
SIGLEC10:CCDS12832.1	-0.588130516	1.485807692	8.932685122
RFPL2:CCDS46694.1	-0.999946105	0.793931971	8.930887447
PARP8:CCDS54849.1	-0.475407618	3.624433433	8.930543481
APOPT1:CCDS9983.2	-0.505368085	4.217746575	8.929362615
MBD3L1:CCDS12209.1	-1.319614984	-0.490275771	8.924786876
SNN:CCDS10549.1	-0.732860786	4.384507578	8.924155447
TNFRSF18:CCDS30552.1	-0.788629277	0.011149356	8.919797438
NOP10:CCDS10037.1	-0.79877408	5.497743386	8.913262989
CAMKK2:CCDS9217.1	-0.544590358	4.564520469	8.903363493
SCRT2:CCDS13006.1	-0.791006641	2.647808211	8.892450177
ARHGAP19:CCDS7454.2	0.584781462	2.971669613	8.892062021
ANLN:CCDS5447.1	0.597090149	3.983852186	8.890864884
ADRA1A:CCDS6054.1	-0.875293457	0.954258624	8.885065663
MBD3L4:CCDS54205.1	-0.867344742	-0.559866192	8.881954535
TAF1:CCDS35325.1	0.519700773	5.495535897	8.877870049
HSBP1:CCDS45534.1	-0.69131927	6.795694572	8.874248146
SPAG9:CCDS45740.1	0.491277685	6.550914641	8.873671526

TAUvsControls

DKKL1:CCDS12762.1	0.790852381	2.560466553	8.868565904
SLC29A2:CCDS8137.1	-0.567186884	3.251291568	8.86611025
CRB3:CCDS12166.1	-0.989604217	-0.482263352	8.865340027
CDH10:CCDS3892.1	-0.484002385	3.124376474	8.864721145
DUSP13:CCDS53542.1	-0.836315694	0.28384012	8.862838972
SOX6:CCDS7821.1	-0.51514202	2.695140912	8.860395627
ST6GALNAC6:CCDS6882.1	-0.5925689	4.91243072	8.858088639
MYL2:CCDS31901.1	-0.977506986	-0.653027345	8.857285415
SCN1A:CCDS33316.1	-0.630753758	2.914918692	8.856338361
KCNK7:CCDS8106.1	-0.943129622	0.814167406	8.854340246
SETD4:CCDS42923.1	-0.451015415	2.727103978	8.853254061
IL34:CCDS10895.1	-0.678441727	1.961455821	8.853217776
KIF2C:CCDS512.1	0.843489284	5.074794429	8.852952109
PSMD10:CCDS14537.1	-0.626073154	4.403665992	8.850983304
SPAG9:CCDS11577.1	0.494103313	6.503277221	8.850321626
CCL23:CCDS11305.1	-1.295040573	-0.729866999	8.849563556
ANO1:CCDS44663.1	-0.781518543	3.244354548	8.847592392
ALG9:CCDS53709.1	0.488323752	4.219743738	8.834544673
TAF1:CCDS14412.1	0.515271096	5.508254176	8.827720627
ALDH1A2:CCDS10164.1	-1.324484479	2.82824647	8.826414089
TMEFF2:CCDS2314.1	-0.57329225	3.978606528	8.825030769
CPNE4:CCDS3072.1	-0.82873512	3.699424364	8.824611107
BCL2L15:CCDS30809.1	-0.934535981	-0.458490929	8.823959199
CSRP1:CCDS1413.1	-1.205089573	3.883667427	8.822749495
SCN1A:CCDS54413.1	-0.631542743	2.924131233	8.819880201
STRN3:CCDS9641.1	0.547312117	3.954469607	8.817886126
PRDM8:CCDS43243.1	-0.641853631	3.938343641	8.817689899
SLC9B1:CCDS47119.1	-0.49793272	2.40804288	8.810942213
HSPD1:CCDS33357.1	0.550297274	7.349467567	8.810007712
PCBP1:CCDS1898.1	-0.633330131	8.046301307	8.809694273
B3GAT2:CCDS4974.1	-0.668148099	2.837570876	8.808034416
UPK3A:CCDS14064.1	-0.727194974	0.321881012	8.806410519
CAMKK2:CCDS53837.1	-0.54441879	4.514000422	8.805912009
OPRL1:CCDS13556.1	-0.711076741	2.381500856	8.803925146
MDM4:CCDS55674.1	0.584799441	2.563211689	8.797449693
UPK3BL:CCDS47675.1	0.945377222	5.933400063	8.796303711
HNRNPA2B1:CCDS5397.1	0.644535975	8.130179758	8.793768147
CXXC5:CCDS43370.1	-0.680270949	5.89807906	8.792191497
ACP5:CCDS12265.1	-0.988159876	0.639354947	8.791759642
NXPH2:CCDS46421.1	-0.79037596	0.214280737	8.786674398
COPA:CCDS1202.1	0.530425721	8.183959904	8.783295055
COPA:CCDS41424.1	0.530385376	8.185064163	8.782665722
PREPL:CCDS54353.1	0.551964646	5.564976277	8.781158018
GLG1:CCDS45527.1	0.530789069	7.71374439	8.781014386
BEX2:CCDS14505.1	-0.677536579	4.226652005	8.776924316
TMEM151B:CCDS47437.1	-0.752901754	4.141754169	8.775910448
KIAA1598:CCDS31293.1	-0.741182604	4.549797915	8.773992895
FOXL2:CCDS3105.1	-1.07761991	0.043048477	8.769650555
GLG1:CCDS32485.1	0.530445097	7.749342094	8.769306988
TRIM6:CCDS31389.1	-0.701225178	1.60474477	8.767817117
MYO3B:CCDS46446.1	-0.86982852	2.216480302	8.767711426

TAUvsControls

MMEL1:CCDS30569.2	-0.75029526	2.075434271	8.764558384
JAKMIP1:CCDS47005.1	-0.775104323	3.660018896	8.761762145
FMNL3:CCDS44874.1	0.742386512	5.115331674	8.757819009
HNF4G:CCDS6220.2	-0.682022655	0.554436275	8.756343529
LAMC2:CCDS44285.1	-1.028461878	2.247546725	8.755748029
FAM171A2:CCDS45701.1	-0.647716371	6.74613579	8.755585106
ZNF709:CCDS42504.1	0.573417073	2.417700882	8.754048064
HEATR1:CCDS31066.1	0.508687224	4.856388006	8.75296587
NFATC1:CCDS12015.1	-0.625721086	3.3101178	8.75182748
GRPR:CCDS14174.1	-0.888529188	0.329572023	8.751375725
GHDC:CCDS11422.1	0.5373985	2.49038818	8.750679862
AHNAK:CCDS31584.1	1.133507551	7.848289542	8.75038164
PPP1R16B:CCDS54462.1	-0.606062169	2.294414287	8.748264779
TMPRSS13:CCDS41721.1	-1.13914692	1.325499759	8.746762781
ESR2:CCDS55920.1	-0.644983611	1.044495344	8.740984781
TAGAP:CCDS5261.1	-0.785952786	1.288455514	8.740619026
KCNIP2:CCDS7524.1	-0.745898881	2.586869072	8.740315891
CSDC2:CCDS14019.1	-0.635167214	2.802264308	8.734570964
WNK3:CCDS35302.1	0.525280329	3.585007559	8.734462035
MFHAS1:CCDS34844.1	-0.569834849	4.089799633	8.733129154
IQGAP1:CCDS10362.1	0.606205489	5.955107708	8.728883879
ACSBG2:CCDS12159.1	-0.621498275	1.133340569	8.727527238
MYO3B:CCDS42773.1	-0.890296431	2.264229215	8.726435194
RLIM:CCDS14427.1	0.612847069	3.831428964	8.724230576
TADA1:CCDS1255.1	-0.773497396	4.248400448	8.723834219
AGTR1:CCDS3137.1	-0.90836305	0.522762721	8.719846582
SLC6A6:CCDS46765.1	-0.790846312	1.613412611	8.718266531
RNF208:CCDS7037.2	-0.721233653	2.984442141	8.717988987
SQLE:CCDS47918.1	0.554097269	6.545901532	8.716953538
IFLTD1:CCDS44849.1	-0.748854292	0.952290055	8.714224473
SERPINE2:CCDS46525.1	-0.969665992	6.605306919	8.713484383
ZADH2:CCDS12008.1	-0.568785872	2.920683403	8.71299671
CNGB1:CCDS42169.1	-0.584099708	3.178326472	8.710941695
RASL11A:CCDS9321.1	-0.70735882	0.658901222	8.704032878
ALG9:CCDS41714.1	0.484533092	4.224803773	8.703103745
IRF6:CCDS55681.1	-0.816141933	0.467335849	8.700055871
CARD8:CCDS54288.1	0.621517706	2.639791587	8.699486527
UBE2E1:CCDS56244.1	-0.562113504	4.844223803	8.699348651
HIST1H1C:CCDS4577.1	-0.824033854	3.926877655	8.699174174
DUSP6:CCDS9033.1	-0.730957361	4.332327335	8.699120046
CRB3:CCDS12167.1	-0.986848972	-0.567834075	8.699050267
TACR3:CCDS3664.1	-0.672294773	0.581093457	8.693426003
ABCB1:CCDS5608.1	-0.921054423	2.172890434	8.692574621
SLC12A5:CCDS13391.1	-0.752735182	4.512631957	8.687929271
TUBA4A:CCDS2438.1	-0.820160924	4.227156517	8.687141029
SLC6A1:CCDS2603.1	-0.885684117	3.89047799	8.681954834
TRIM6-TRIM34:CCDS31388.1	-0.691694115	2.366197133	8.681467602
GHDC:CCDS45681.1	0.536820416	2.39642806	8.679730347
TEC:CCDS3481.1	-0.696215598	1.246653196	8.678227995
MDM4:CCDS55675.1	0.797322458	0.890710285	8.675967154
CNTD1:CCDS11440.1	-0.714311026	0.069358508	8.675230184

TAUvsControls

SLC25A29:CCDS32156.1	-0.647197888	4.068485307	8.674269148
TXLNG:CCDS14178.1	0.53010869	3.351149364	8.669195324
RAB27B:CCDS11958.1	-0.799112637	0.107066244	8.66746776
HOXD8:CCDS2268.1	-0.850331126	1.075506887	8.660340818
SEC16B:CCDS44281.1	-0.663976122	2.72598879	8.655550076
GLYATL1:CCDS55768.1	-0.923651427	0.459545501	8.648698699
FMNL3:CCDS41780.1	0.737967487	5.06492466	8.64565767
IL1R1:CCDS2055.1	-1.088998229	2.537714065	8.636233045
SP8:CCDS5372.1	-0.773673917	2.213244327	8.63137476
PHF10:CCDS5309.2	0.525845212	4.790179266	8.62785347
SOX6:CCDS53604.1	-0.512213112	2.670718414	8.62772912
FKBP5:CCDS54996.1	0.917013047	2.385601673	8.62641654
JAKMIP1:CCDS3385.1	-0.78077782	3.537715814	8.625474077
METTL21D:CCDS9696.2	-0.749743654	1.523026484	8.625225208
SET:CCDS48037.1	0.552353606	7.536333125	8.613562455
ITLN2:CCDS1212.1	-0.754344771	0.466310896	8.613509362
PHF10:CCDS5308.2	0.525472648	4.791538311	8.613007693
NKX2-2:CCDS13145.1	-1.385580866	-0.243630164	8.612677231
TRAPPC11:CCDS47166.1	0.527184777	4.828590552	8.612292867
FAR2:CCDS8717.1	-0.889562457	3.375673566	8.61059604
CHN2:CCDS47566.1	-0.674586597	3.35027113	8.602200807
SERPINE2:CCDS2460.1	-0.967093934	6.59240712	8.600782678
REEP6:CCDS12070.1	-0.624235341	3.191548908	8.599458323
COX6B2:CCDS42630.1	-0.866786117	-0.465277723	8.596007165
TMEM141:CCDS7007.1	0.835993699	4.909958016	8.594004675
STEAP1:CCDS5614.1	-1.07444609	0.764038023	8.592483279
TMUB1:CCDS5920.1	-0.620857249	4.217899122	8.589854758
CLDN2:CCDS14524.1	-0.975723928	-0.237259834	8.589176384
SERPINE2:CCDS46526.1	-0.967656612	6.591645936	8.588032014
CES1:CCDS32450.1	-1.202323836	1.011280033	8.585428347
KCNIP4:CCDS43216.1	-1.22164293	1.31625541	8.580084348
PRKCZ:CCDS37.1	-0.724423073	5.934759637	8.578541649
LLGL2:CCDS45776.1	-0.931172179	1.397444854	8.574967597
OLFM1:CCDS6986.1	-0.745434099	6.750599029	8.572270442
C1orf53:CCDS44290.1	-0.764015526	1.306081966	8.569137078
BCAT1:CCDS53761.1	0.77005088	4.139618905	8.56814745
KIAA0825:CCDS4070.1	-0.824689718	0.40177665	8.56805422
BCAT1:CCDS44845.1	0.772217823	4.14286969	8.566748614
YAP1:CCDS44716.1	0.614617424	5.180169977	8.566012938
PDE9A:CCDS42945.1	-0.518318712	4.879721494	8.565222234
HMGCS1:CCDS34154.1	0.513441489	7.732834543	8.563971256
SULT4A1:CCDS14051.1	-0.642060646	4.186544946	8.563236514
SH2D3A:CCDS12173.1	-0.807655691	1.539121455	8.561803672
GPR176:CCDS10051.1	-0.888380332	2.556892633	8.561202155
CES1:CCDS45488.1	-1.198607646	1.008999491	8.559342383
CES1:CCDS45489.1	-1.198607646	1.008999491	8.559342383
NRP1:CCDS7177.1	0.589992425	5.293546292	8.556466302
CAMK2B:CCDS5489.1	-0.712302025	5.272120929	8.553609976
ADRA1A:CCDS6053.1	-0.8680082	1.058211338	8.552937245
ZNF714:CCDS54239.1	0.544810952	2.466570038	8.551239128
GRHL2:CCDS34931.1	-0.654203573	1.081920614	8.551063787

TAUvsControls

UHRF1BP1:CCDS43455.1	0.479266071	4.362123509	8.546957103
AGBL4:CCDS44137.1	-0.651683288	1.243701125	8.545591953
GPSM1:CCDS48055.1	-0.596985748	6.176357407	8.544018685
SON:CCDS13629.1	0.562363962	7.475683441	8.541974134
GLYATL1:CCDS31556.1	-0.907849126	1.053811832	8.539268743
PHLDA2:CCDS7741.1	-0.857128024	0.965299828	8.535675408
C2CD2L:CCDS8413.1	-0.544606778	4.924674658	8.535473983
RUSC2:CCDS35008.1	-0.513185583	7.013241268	8.533183411
LMAN1L:CCDS10270.1	-0.664767932	1.02034679	8.530694179
C1QTNF1:CCDS11761.1	-1.194557772	1.503711671	8.526017347
IRF5:CCDS43645.1	-0.727335713	1.148400016	8.521518604
ASB2:CCDS55940.1	-1.165007272	1.3021379	8.521440032
FAM216A:CCDS31899.1	-0.575889162	3.358633008	8.521330542
BCAT1:CCDS53760.1	0.770600801	4.143184791	8.519414617
PWWP2B:CCDS7667.2	-0.514009784	3.114794452	8.518998718
WRNIP1:CCDS4476.1	-0.491796268	5.263685616	8.514427711
SNX27:CCDS1001.1	0.604764905	3.921066346	8.513604259
MAGEE1:CCDS14433.1	-0.57295112	4.23009146	8.51158422
ABCD2:CCDS8734.1	-0.556268232	1.68334726	8.510823397
LPPR2:CCDS12258.1	-0.642683063	6.001389257	8.50769592
KPNA6:CCDS352.1	0.585901681	5.037256403	8.502388681
FOSL1:CCDS8121.1	-0.726238423	1.081570743	8.500965448
PARP8:CCDS3954.1	-0.470161169	3.670903239	8.500529491
ACTR3B:CCDS34782.1	-0.545338747	4.050596612	8.500408784
ACSF3:CCDS10974.1	-0.779253063	4.239422831	8.499682377
HOXC5:CCDS8872.1	-1.349255044	1.533038482	8.497892771
ASPHD1:CCDS10660.1	-0.669930478	3.712720428	8.497402815
INSRR:CCDS1160.1	-0.841976995	2.727409894	8.496711768
LECT2:CCDS4190.1	-1.271321314	-0.415584361	8.495855069
RAB3A:CCDS12372.1	-0.727900488	7.53023176	8.493729062
EYA4:CCDS5166.1	-0.68403547	2.284990305	8.493345737
NIN:CCDS32079.1	0.529728878	5.182139765	8.490245435
LCN12:CCDS7018.2	-0.886365304	0.293457692	8.489346702
KCNMB3:CCDS3225.1	-0.763334946	0.212124371	8.484682455
TAGLN:CCDS8381.1	-1.100978852	7.035699795	8.482905828
ZNF668:CCDS10701.1	-0.555336425	3.461052469	8.481246231
TRAPPC11:CCDS34112.1	0.522624299	4.838253211	8.481082098
NR2E1:CCDS5063.1	-1.019708194	2.519336222	8.475498065
ADAM12:CCDS7653.1	-0.787319165	4.055133987	8.475323334
NUP205:CCDS34759.1	0.528551479	5.615716733	8.474974637
FBXO25:CCDS5952.1	-0.488385855	3.392836773	8.474559511
SLC22A18AS:CCDS7739.1	-0.812708814	-0.411850939	8.474322574
KCNIP2:CCDS7526.1	-0.764231616	2.265895334	8.473220211
ATP6V0C:CCDS10470.1	-0.88204175	7.369500453	8.471276801
CD1E:CCDS41422.1	-1.225307389	-0.34965912	8.459067397
POLQ:CCDS33833.1	-0.479484747	3.03938385	8.454867185
CYP39A1:CCDS4916.1	-0.778982702	1.018825641	8.448293314
OR2Z1:CCDS32895.1	-1.366944623	0.597146239	8.444619647
MS4A6E:CCDS7984.1	-1.011734809	-0.893701684	8.438939514
AFF1:CCDS54775.1	0.598183287	4.108588086	8.434578019
CAMK2B:CCDS5487.1	-0.695239161	5.44613366	8.433531355

TAUvsControls

WRNIP1:CCDS4475.1	-0.485634721	5.294184523	8.433087879
RNF20:CCDS35084.1	0.474601716	5.709455209	8.43220508
SEC31A:CCDS54773.1	0.545876546	7.548255162	8.431492481
KCNJ8:CCDS8692.1	-0.536327386	1.753654895	8.430209717
C4orf26:CCDS56334.1	-0.787039864	0.162214781	8.428774846
CECR6:CCDS54494.1	-0.704582324	1.684742971	8.427995124
GLG1:CCDS45526.1	0.523458051	7.727204362	8.427815355
KREMEN2:CCDS10483.1	-0.736736154	1.849583327	8.427599286
SBF2:CCDS31427.1	0.554632534	5.498501206	8.426631739
TCF7L2:CCDS53577.1	0.605598575	4.607713178	8.425347075
BRSK1:CCDS12921.1	-0.593881221	7.426183861	8.421949901
FBXL22:CCDS10187.2	-0.788379908	0.182719038	8.421907037
ZNF655:CCDS5670.1	0.668067477	2.041316399	8.421621372
USP30:CCDS9123.2	-0.524701719	4.459135725	8.416386111
ZNRF2:CCDS5426.1	-0.714474915	0.365939756	8.414801383
WDR63:CCDS702.1	-0.589645252	1.86861976	8.413639066
SEC31A:CCDS47088.1	0.546617232	7.561024711	8.412097179
ZNF558:CCDS12208.1	0.632071393	1.866625894	8.406726388
HOXD8:CCDS56148.1	-0.831344201	1.065127466	8.402628971
PDE9A:CCDS42944.1	-0.530329798	4.748895186	8.397500977
SIGLEC10:CCDS54304.1	-0.59402448	1.302647801	8.397043833
CAMK2B:CCDS5483.1	-0.690283061	5.702555544	8.393445783
ASB13:CCDS7070.1	-0.586001436	3.097676309	8.391587195
IRF2BPL:CCDS9854.1	-0.56175751	6.072653065	8.384349625
C12orf29:CCDS31866.1	-0.544857322	2.511029933	8.383265467
PROM1:CCDS54747.1	0.640667294	4.571293204	8.379910584
SUPT3H:CCDS34465.1	0.516507376	3.355343418	8.379532191
CD40LG:CCDS14659.1	-1.208053334	-0.303208869	8.379020893
AHRR:CCDS56355.1	-0.507407905	3.918514639	8.378257421
PNN:CCDS9671.1	0.621057768	5.386771603	8.373960301
TBX21:CCDS11514.1	-0.860881704	0.691186587	8.372588469
PSEN1:CCDS9812.1	0.458307425	4.36988906	8.372199766
MDM4:CCDS1447.1	0.570507153	2.672094749	8.364653082
SIGLEC10:CCDS54301.1	-0.584658599	1.06293612	8.361754961
TMEM217:CCDS4831.1	-0.892861763	0.872860313	8.36122098
FKBPL:CCDS4738.1	-0.614542648	2.12421453	8.360439524
KCNK9:CCDS6377.1	-1.132848829	1.667091793	8.359884088
RGL3:CCDS54221.1	-0.642069831	1.737317524	8.358432053
ASIP:CCDS13232.1	1.223721211	1.11217498	8.355341104
NYAP1:CCDS5696.1	-0.629440477	4.670878154	8.352768595
HBA2:CCDS10398.1	-0.90356504	-0.674807169	8.350076705
SEC31A:CCDS3596.1	0.543291976	7.568647749	8.347261909
MRPL43:CCDS7504.1	-0.658787742	5.956166588	8.347096215
FGF8:CCDS7517.1	-0.838580902	0.862770953	8.341931676
NMI:CCDS2192.1	-1.04183152	0.789340452	8.338776454
MTPAP:CCDS7165.1	0.516427536	3.406469726	8.336013172
RPL3L:CCDS10450.1	-0.705984412	0.615027745	8.335626364
TYR:CCDS8284.1	-1.002420748	1.665944816	8.334331107
SEC31A:CCDS43244.1	0.550275247	7.462124313	8.331816982
GATA2:CCDS3049.1	-1.090574321	1.781524059	8.330679178
GTF2H2C:CCDS43325.1	0.476119021	3.78517422	8.32959954

TAUvsControls

ZNF70:CCDS13812.1	0.657039967	2.831748554	8.328227997
SCHIP1:CCDS56294.1	-0.506578851	5.827422343	8.32649096
C9orf64:CCDS6666.2	-0.817715262	0.168822527	8.323472781
TMPRSS13:CCDS55788.1	-1.113749071	1.216434811	8.322488379
GRAMD3:CCDS54894.1	-0.706722426	2.132758869	8.320571045
MRPL32:CCDS5468.1	-0.707957393	3.624779405	8.320507871
MCHR1:CCDS14004.1	-0.717594345	2.961607871	8.318138719
C2CD4A:CCDS32258.1	-1.082898106	0.093076018	8.317153944
GJA9:CCDS432.1	-0.745406216	0.61116367	8.314061418
CDKAL1:CCDS4546.1	0.507596243	3.561844508	8.313792815
SON:CCDS13631.1	0.560201498	7.306520061	8.312805849
THSD1:CCDS9432.1	-0.649501466	2.437671858	8.311539317
CCDC125:CCDS4000.1	-0.647204686	1.474787265	8.309734646
CHST1:CCDS7913.1	-0.750753021	3.376923634	8.30946678
IFIT1B:CCDS31242.1	-0.777793664	0.006633517	8.308011281
PCM1:CCDS47812.1	0.580264641	6.382243161	8.306854663
FCRLB:CCDS30927.1	-0.762292617	0.868459344	8.306038761
MYOM1:CCDS45824.1	-0.659656712	3.206356772	8.305857384
C1QTNF7:CCDS3414.1	-1.162202891	0.2669387	8.302947634
PSEN1:CCDS9813.1	0.455678869	4.363525005	8.296695733
SVOPL:CCDS47721.1	-0.889432832	1.077969758	8.294412449
CARD16:CCDS41705.1	-1.273387474	-0.70952561	8.291308969
IGIP:CCDS34244.1	-1.387240684	2.185667487	8.288609202
TPD52L1:CCDS5130.1	-0.770687403	3.257908686	8.288419546
NMU:CCDS3501.1	0.925079149	3.529610924	8.28612649
TCF12:CCDS10160.1	0.691331057	6.133954927	8.286010406
STK24:CCDS32001.1	0.461968806	6.144909935	8.285949852
EGR3:CCDS6033.1	-0.705187676	0.936224722	8.282585275
UTP14C:CCDS31978.1	0.511556131	3.611948411	8.282301841
WNK3:CCDS14357.1	0.511079898	3.618634221	8.278667577
TNRC6B:CCDS54533.1	0.516736538	4.651051668	8.276071671
HOXB5:CCDS11530.1	-1.809511687	3.25224141	8.275196659
GP6:CCDS42626.1	-0.780553973	1.371671447	8.270384844
KLHL15:CCDS35217.1	0.610218848	2.546996594	8.269632296
ODC1:CCDS1672.1	0.865581981	8.81093037	8.269486222
GAD1:CCDS2239.1	-0.956659244	4.160759743	8.269405048
CYS1:CCDS33145.1	-1.096977495	0.042232189	8.265525437
FMR1:CCDS55519.1	0.503957924	4.455807844	8.261262666
PREPL:CCDS42676.1	0.517409253	5.583199318	8.260657644
ITGA11:CCDS45291.1	-1.107509444	6.166812099	8.258162654
IRF5:CCDS5808.1	-0.720489671	1.117307725	8.258137178
SPSB1:CCDS102.1	-0.664606218	2.178431938	8.256840004
SEBOX:CCDS45634.1	-0.882968455	-0.185902524	8.255908089
FAT1:CCDS47177.1	0.656619769	7.681007243	8.250224581
ZNF512:CCDS1758.1	0.469707723	5.156338466	8.248959416
SH2D1A:CCDS48162.1	-1.358403625	-0.323772424	8.247586185
STX1A:CCDS55120.1	-0.54815195	4.047428699	8.246591962
ATOH1:CCDS3638.1	0.80775379	1.067960615	8.243950625
AFF1:CCDS3616.1	0.596547615	4.118410091	8.242824278
GRIN1:CCDS7031.1	-0.85263785	4.465009598	8.242601723
CELF5:CCDS12106.1	-0.7028753	5.530569947	8.242063113

TAUvsControls

AKAP5:CCDS9764.1	-0.718485386	0.588232693	8.239780091
CLLU10S:CCDS31871.1	-1.295517559	-1.046835315	8.234856433
ACAP2:CCDS33924.1	0.532537919	3.600516076	8.232082656
BCL6:CCDS46975.1	-0.644595835	3.455129105	8.230999011
C6orf25:CCDS4717.1	-0.797953013	-0.397154699	8.230042341
BCAT1:CCDS53763.1	0.770785003	4.043507216	8.228963322
MYBL1:CCDS55241.1	-0.562488089	1.789358994	8.228554776
CAMK2B:CCDS5488.1	-0.695682435	5.403228867	8.228436761
ADRA1A:CCDS6052.1	-0.863503921	0.969837359	8.228179533
GRIN1:CCDS43910.1	-0.846087876	4.40760211	8.224748443
FGGY:CCDS611.2	0.582374692	3.070349093	8.222654137
SYNPO2L:CCDS44438.1	-1.147599072	2.000869929	8.222196713
EML4:CCDS46266.1	0.517681547	4.819194981	8.21881727
GRIN1:CCDS7032.1	-0.844780854	4.413413739	8.217998919
COLEC10:CCDS6327.1	-0.732029288	0.119027811	8.214826057
EML4:CCDS1807.1	0.516274937	4.892503964	8.213186246
POLR2F:CCDS13963.1	-0.888665954	6.760138864	8.212674971
STT3A:CCDS8458.1	0.613840609	7.115407306	8.211891809
EPHA10:CCDS41305.1	-0.624776315	3.002772653	8.210942948
CALN1:CCDS47603.1	-0.878011155	0.508199994	8.207323276
IFLTD1:CCDS8704.1	-0.730691098	0.928350289	8.205767537
TM2D3:CCDS10393.1	-0.55083147	4.538267955	8.200741888
SMARCA1:CCDS48164.1	0.54859457	6.00618363	8.197935042
STK24:CCDS9488.1	0.459662772	6.145752016	8.19757204
SSTR1:CCDS9666.1	-0.996834428	0.720447162	8.195881725
TNRC6B:CCDS46713.1	0.517412408	4.581197865	8.195383128
FGF8:CCDS7515.1	-0.849769156	0.739896275	8.194580314
CASKIN1:CCDS42103.1	-0.678633183	5.364837829	8.190042836
PMM1:CCDS14020.1	0.596038628	6.090804381	8.188922676
PDE9A:CCDS33571.1	-0.520893769	4.733026493	8.185509891
CCDC25:CCDS6062.2	0.665702177	3.112517788	8.182235892
NR4A3:CCDS6742.1	-0.667527847	2.247516406	8.178953244
CDC20:CCDS484.1	0.94373714	6.152868613	8.178281459
ZDHC13:CCDS44551.1	-0.486840266	3.242089089	8.177600662
HYAL1:CCDS2816.1	-0.609332186	0.603548409	8.176564175
ABLIM2:CCDS47013.1	-0.71055582	3.584905651	8.176104789
KCNIP2:CCDS7523.1	-0.711227249	2.654438814	8.170593627
HIST1H3B:CCDS4573.1	1.514836013	0.477013604	8.170021229
YPEL5:CCDS1771.1	-0.557514816	3.170596504	8.16807051
SLC35F3:CCDS1600.1	-0.992764241	1.884875452	8.167809148
SLC9A3R1:CCDS11705.1	-0.742814347	4.668455993	8.164916052
PROM1:CCDS54748.1	0.635759743	4.609576095	8.164364216
DISC1:CCDS53484.1	-0.621281372	2.029339286	8.163591376
TTC9:CCDS45132.1	-0.64134331	2.559868169	8.161912338
CAMKV:CCDS33762.1	-0.78710158	5.773056355	8.160967699
FAM115C:CCDS34769.1	-0.73777246	1.580685488	8.152350412
HNRNPA2B1:CCDS43557.1	0.609200296	8.212337706	8.146684522
FBXO25:CCDS5954.1	-0.49089681	3.225166666	8.143855055
MAP7D2:CCDS55386.1	-0.937230435	3.283525419	8.141557844
TRIM48:CCDS7947.2	-1.252067766	0.092675147	8.141493277
OR7A17:CCDS12319.1	-0.983293437	-0.618614885	8.140622978

TAUvsControls

RAET1E:CCDS5221.1	-0.82810162	0.327971639	8.139588951
C2orf82:CCDS2499.1	-0.876746378	-0.487353897	8.135170568
ZNF490:CCDS12272.1	0.696748744	1.913247823	8.129088736
SLC34A3:CCDS7038.1	-0.768124778	1.105760256	8.125445802
AES:CCDS12101.1	-0.754113825	7.682970249	8.123700332
PURG:CCDS6081.1	-0.502388452	1.660233129	8.121096743
TRPV4:CCDS9134.1	-0.662349836	2.099603606	8.119329755
GATM:CCDS10122.1	-0.570657066	3.203714007	8.119096709
AES:CCDS12102.1	-0.758639609	7.718934124	8.115676783
PRKAG2:CCDS47752.1	-0.768898112	2.408663425	8.112631204
ZBTB4:CCDS11107.1	-0.483754968	4.491709464	8.111353095
SET:CCDS6907.1	0.530128017	7.651264092	8.10928193
LAMC2:CCDS1352.1	-0.985663998	2.330152068	8.10603487
PLCXD1:CCDS14103.1	-0.531143703	5.042149253	8.10235503
ERG:CCDS46649.1	-0.880540357	1.737665585	8.100375414
NPAS1:CCDS12694.1	-0.556501706	2.09807666	8.093978471
FAM19A5:CCDS46729.1	-0.525592089	3.423003844	8.09302386
BTN2A1:CCDS4613.1	-0.558942415	3.884250156	8.092452888
MYH3:CCDS11157.1	-1.528450164	5.227515046	8.086256361
ACTR2:CCDS46307.1	0.444066106	5.930460514	8.085556403
SLC12A5:CCDS46610.1	-0.700776024	4.586697367	8.084720738
FBXL16:CCDS10421.1	-0.664349938	4.552762588	8.080311258
CELF5:CCDS54197.1	-0.692947145	5.432165897	8.078963354
SMARCA1:CCDS14612.1	0.543728122	6.031502059	8.078496333
ECE2:CCDS46969.1	-0.617564551	1.964574111	8.077887907
PHACTR3:CCDS13481.1	0.809808397	3.577424658	8.077871534
IQSEC2:CCDS35298.1	-0.675056356	4.291428451	8.076862525
ZRSR2:CCDS14172.1	0.559404877	3.69142834	8.076159863
OSTN:CCDS3299.1	-1.29181523	-0.844481734	8.075069458
DMKN:CCDS12463.1	-0.707029871	3.136107714	8.075022586
FAM124B:CCDS2461.1	-0.815939517	-0.293802823	8.073529493
CBR1:CCDS13641.1	-0.728054161	4.028538843	8.073259631
METTL21D:CCDS41951.1	-0.742104748	1.25008179	8.073056248
LRTM2:CCDS31726.1	-0.83407558	0.586397119	8.071036071
EPB41L2:CCDS5141.1	0.588549068	5.341919359	8.065173902
KCNH6:CCDS11638.1	-0.98667245	2.30682047	8.064451409
CTSB:CCDS5986.1	-0.666357913	7.550574272	8.06325928
TDRD7:CCDS6725.1	-0.82797059	3.180060709	8.059487923
C8orf59:CCDS55255.1	-0.61124025	3.057270552	8.056886587
ASL:CCDS5531.1	0.519423986	5.135303794	8.055729937
TFDP2:CCDS54647.1	0.658598298	4.33137056	8.054534547
S1PR5:CCDS12240.1	-0.883326324	0.501909448	8.052450835
LOXL1:CCDS10253.1	-0.596428291	5.47409473	8.051964704
PROM1:CCDS54746.1	0.639708703	4.637571108	8.045097322
FURIN:CCDS10364.1	-0.518563783	5.289161689	8.042950434
SSH3:CCDS8157.1	-0.595425117	2.442278866	8.041131221
CALCOCO2:CCDS11538.1	0.550012706	4.370522164	8.041114133
RTN2:CCDS46114.1	-0.61445787	5.045398496	8.039351731
NHSL1:CCDS55063.1	0.613562129	5.420846762	8.038014201
PRKCZ:CCDS55563.1	-0.711305751	5.94250128	8.037112356
MRPS6:CCDS33548.1	-0.491547395	4.695213136	8.036866852

TAUvsControls

BTN2A1:CCDS56405.1	-0.575503187	3.661089962	8.035670588
SCHIP1:CCDS3186.1	-0.475404086	5.831568219	8.03314674
BID:CCDS13749.1	-0.670074481	2.791513322	8.030791494
ASPDH:CCDS46153.1	-0.68125154	0.281097698	8.029939374
ASL:CCDS47597.1	0.518320702	5.059337284	8.028501926
SYNPO2L:CCDS7331.1	-1.162287253	1.682864805	8.026339063
MEMO1:CCDS46255.1	-0.496798179	3.477992444	8.025370947
GRIN1:CCDS55354.1	-0.838973876	4.485247732	8.023911214
IQCJ-SCHIP1:CCDS56289.1	-0.471574457	5.84852659	8.022786987
IL33:CCDS56563.1	-1.190474496	0.266460399	8.022001738
PDE9A:CCDS42946.1	-0.509929291	4.796610093	8.020838111
FAM159A:CCDS41336.1	-1.015599452	-0.21877929	8.019678965
PREPL:CCDS42675.1	0.519110023	5.590801112	8.019242699
TP53:CCDS11118.1	0.7848893	6.71106026	8.018591122
NUP43:CCDS5218.1	0.518134704	3.181138108	8.017861942
JAM2:CCDS42911.1	0.58251777	4.591110787	8.017521666
CDSN:CCDS34389.1	-0.738290158	0.721060237	8.01700695
ALK:CCDS33172.1	-0.735027607	4.386731247	8.015739044
VWA2:CCDS7589.1	-0.657153052	1.044216013	8.01454804
IL33:CCDS6468.1	-1.224598291	0.543011453	8.012624881
CDH7:CCDS11993.1	-0.732476906	3.13767357	8.01247501
AP3M1:CCDS7342.1	0.448355791	4.336007458	8.0094573
EPS8L2:CCDS31328.1	-0.564854405	2.538072439	8.009229674
CX3CL1:CCDS10779.1	-0.621793978	3.041494869	8.007270815
CALN1:CCDS5541.1	-0.91422978	0.361432538	8.006446894
OSBPL10:CCDS2651.1	-0.617972433	2.989905873	8.003808537
TALDO1:CCDS7712.1	-0.472387586	7.210892495	8.003668549
TEKT4:CCDS2005.1	-0.63637433	0.759862428	8.003521844
CAMK2B:CCDS5484.1	-0.686490135	5.563460096	8.003351211
C16orf11:CCDS45365.1	-0.798996627	0.380698103	8.00329114
VWC2L:CCDS46509.1	-1.309170168	0.039835276	8.001857041
CCDC169:CCDS45029.1	-0.824537881	0.145045296	7.999529958
SIGLEC10:CCDS54302.1	-0.580236536	1.267504913	7.997398373
PDCD4:CCDS7567.1	0.518824403	4.510006017	7.995483898
NBL1:CCDS196.2	-0.73010788	4.797917861	7.992978858
PHF13:CCDS85.1	-0.491678205	3.524353562	7.992962684
GRIN1:CCDS55355.1	-0.830969224	4.43437922	7.990808636
PREPL:CCDS33190.1	0.512522304	5.684036773	7.9895336
DEPDC7:CCDS41632.1	-0.601311224	1.085433504	7.988119437
BTG4:CCDS8346.1	-0.941547816	-0.47300443	7.988025984
AHCY:CCDS54457.1	0.719070204	8.11452413	7.987696148
BCL6:CCDS3289.1	-0.643966519	3.576420593	7.986571517
TRAF3IP2:CCDS5093.1	-0.594059072	3.146594937	7.98528803
MARCH2:CCDS12202.1	0.609406539	4.895764197	7.985131448
PGBD3:CCDS7230.1	-0.543128326	1.269808601	7.983656718
EIF4E1B:CCDS47345.1	-0.976984288	0.332231751	7.982878956
STAT4:CCDS2310.1	-0.605266507	1.978712521	7.981533551
PLEKHF1:CCDS12417.1	-0.740984291	0.843759698	7.981205555
USH1G:CCDS32725.1	-0.85996952	0.334269848	7.977033678
MAP1LC3A:CCDS13238.1	-1.090782339	4.409597423	7.975042849
ARHGEF3:CCDS2878.1	-0.586845001	3.279753132	7.973439753

TAUvsControls

TROVE2:CCDS53451.1	0.616488879	3.279890792	7.972642384
HTR3A:CCDS8366.2	-0.939492076	1.505764792	7.970096126
RAI14:CCDS54839.1	0.565154714	5.66124341	7.966022836
BRCA2:CCDS9344.1	-0.695858504	3.250331954	7.962330867
STK39:CCDS42770.1	0.520118292	5.287164046	7.959845097
WISP1:CCDS56555.1	-0.866411341	0.043843579	7.959754711
TRAF3IP2:CCDS55050.1	-0.593010678	3.145554888	7.958982188
C9orf50:CCDS35159.1	-0.716198678	0.784018592	7.958961257
RABGAP1L:CCDS1314.1	0.681307235	3.106020456	7.957204886
PRRT1:CCDS4739.1	-0.715921482	1.819809723	7.955392038
HDAC8:CCDS55449.1	-0.439179435	3.284818598	7.954372105
TIPARP:CCDS3177.1	-0.477842573	2.966608306	7.953054757
TCF12:CCDS10159.1	0.679806357	6.054739888	7.949988816
FBXL14:CCDS8509.1	-0.547071935	4.050619994	7.944489228
FGGY:CCDS44155.1	0.569228357	3.139519288	7.944309808
SCHIP1:CCDS56292.1	-0.475003779	5.826674058	7.941615623
SOX6:CCDS53605.1	-0.489362803	2.718036829	7.940321616
PARP3:CCDS46839.1	-0.486743412	2.660191657	7.937808817
RAI14:CCDS54838.1	0.563589524	5.662186713	7.937724771
PEPD:CCDS54245.1	-0.627027084	6.085351982	7.934125143
UBE2V1:CCDS33483.1	0.539954638	4.627799982	7.933358505
KCNH6:CCDS11639.1	-0.969476701	2.229086451	7.932387196
DMKN:CCDS46053.1	-0.749916801	2.752399366	7.928400831
COL20A1:CCDS46628.1	-0.562441919	2.482228825	7.925733132
MAP1LC3A:CCDS13237.1	-1.093346854	4.348078591	7.922959475
PPFIA3:CCDS12758.1	-0.580978278	6.419033814	7.918704474
FBLIM1:CCDS30609.1	-0.71395535	2.927435786	7.917006015
IPO11:CCDS34167.1	0.542100629	3.909221586	7.916076804
IQCJ-SCHIP1:CCDS56291.1	-0.469613885	5.842260776	7.91439364
NOX1:CCDS14474.1	-0.983643389	1.537162994	7.914372793
DYRK3:CCDS30999.1	-0.610573905	2.459407699	7.912880747
PGP:CCDS42104.1	-0.76955563	3.458332846	7.910224417
NAPSA:CCDS12794.1	-0.685986131	0.673932379	7.908623568
PLCD1:CCDS46793.1	0.714384636	6.905720583	7.901304142
NEUROG1:CCDS4187.1	-0.85183715	0.552470532	7.900402547
CAMK2B:CCDS43573.1	-0.688072975	5.516089409	7.896531317
C1QTNF7:CCDS47025.1	-1.132306455	0.502749767	7.896276464
CDK3:CCDS11736.1	0.579373697	2.332982457	7.895583335
CYP3A5:CCDS55134.1	-0.94034333	-0.448083641	7.895404019
CAMK2B:CCDS5486.1	-0.685112763	5.471006569	7.893487796
TTC9B:CCDS12550.1	-0.849754698	4.732447956	7.891359047
STT3B:CCDS2650.1	0.537222726	5.409815617	7.88770098
LRP1B:CCDS2182.1	-0.522968315	4.558826796	7.88593356
VIM:CCDS7120.1	0.610931641	12.03139039	7.883763453
GH1:CCDS45760.1	-0.872743679	-0.102188796	7.878477374
ARHGEF3:CCDS46855.1	-0.586236174	3.268129339	7.876303751
PIP5K1C:CCDS56074.1	-0.532160386	5.981590923	7.876056741
C16orf3:CCDS32518.1	-2.032270783	3.88804793	7.874588398
GOLGB1:CCDS3004.1	0.619670215	5.889904828	7.874230859
NOS1AP:CCDS53421.1	0.766322205	3.816265514	7.873374338
SKIV2L2:CCDS3967.1	0.480589258	5.212708904	7.869286403

TAUvsControls

MGAT4C:CCDS9030.1	-0.653536305	0.948788302	7.869101755
TSTD1:CCDS53400.1	-0.992527085	0.906187067	7.86764702
COMMMD2:CCDS3145.1	-0.513306969	3.450819937	7.864965328
DMKN:CCDS54252.1	-0.759910851	3.033923977	7.864954315
MC4R:CCDS11976.1	-0.882429594	0.449288959	7.86400453
GATA2:CCDS46903.1	-1.05383462	1.729217855	7.859411172
CAMK2B:CCDS5485.1	-0.684990814	5.517025514	7.857239241
CBY3:CCDS47354.1	-0.854762029	-0.38290205	7.856549319
CHRN1:CCDS11106.1	-0.634453552	2.540818291	7.855467874
SLC16A5:CCDS11713.1	-0.799178707	1.197479746	7.852976427
EGF:CCDS54794.1	-0.623558784	2.657701419	7.847374586
WDR3:CCDS898.1	0.483379351	4.865336674	7.843360948
KIF15:CCDS33744.1	0.708431677	4.102361166	7.840430099
KRT222:CCDS11371.1	-0.694478486	0.784048488	7.839536574
AMDHD1:CCDS9057.1	-1.107284182	0.712313486	7.837081374
CFLAR:CCDS2337.1	-0.57380202	1.860139688	7.836566731
KLHL17:CCDS30550.1	-0.488891685	3.488857246	7.830843788
MLPH:CCDS42836.1	-0.863282799	1.550539845	7.82977769
UBE2V1:CCDS13426.1	0.538901295	4.472373256	7.828887484
BTLA:CCDS43130.1	-0.789514835	-0.152936533	7.828696488
SORBS3:CCDS47824.1	0.678511498	6.036392709	7.826590295
AMPD3:CCDS41617.1	-2.146678052	4.971845874	7.823957035
RAI14:CCDS34142.1	0.560338835	5.666853122	7.82323961
GCHFR:CCDS10064.1	0.745748696	2.389007839	7.823067755
DISC1:CCDS53485.1	-0.605547933	1.912855814	7.822238868
CDK5RAP2:CCDS43871.1	0.558977411	5.96827245	7.82195326
TSTD1:CCDS44257.1	-1.023168991	0.478951469	7.812131081
CRHR2:CCDS5429.1	-0.587239218	1.275989156	7.81147694
DSCAML1:CCDS8384.1	-0.720378739	4.185361403	7.811138266
SCHIP1:CCDS56293.1	-0.505988346	5.764754	7.80642087
NHSL1:CCDS47487.1	0.592451223	5.473419448	7.80549266
CLTC:CCDS32696.1	0.552868578	8.281814257	7.801748338
PARP3:CCDS43097.1	-0.486459526	2.639045568	7.800270016
XDH:CCDS1775.1	-1.033051871	2.319559804	7.79860245
HPGD:CCDS3821.1	-0.990874379	0.976780239	7.797798104
DNAJB5:CCDS47960.2	-0.501513725	5.126329237	7.794934468
DHX36:CCDS54657.1	0.546731264	5.174895267	7.794477181
DHX36:CCDS3171.1	0.54728429	5.18065321	7.794158263
FZD8:CCDS7192.1	-0.948831064	4.041940929	7.792122521
CBL:CCDS8418.1	0.455573796	4.252030841	7.791587266
SYNCRIP:CCDS5005.1	0.438441969	5.778627609	7.791424716
SLC17A8:CCDS44957.1	-0.915759823	1.428836	7.789684652
FAHD1:CCDS32367.1	-0.523867389	2.500228349	7.789519251
SNX12:CCDS14405.1	0.503469645	3.849069359	7.786845961
STX1A:CCDS34655.1	-0.536546437	4.137682594	7.785860248
PIP5K1C:CCDS32872.1	-0.529278997	6.029259335	7.784753944
FMR1:CCDS14682.1	0.492992657	4.492049603	7.783271129
LGR4:CCDS31449.1	0.595466591	4.733353287	7.782984354
GNL3L:CCDS14360.1	0.542383052	4.140403651	7.782955384
SLAIN1:CCDS9460.1	-0.503672927	4.378033329	7.782935348
ABLIM2:CCDS47014.1	-0.687059091	3.675107456	7.782377708

TAUvsControls

TRPV4:CCDS53828.1	-0.668414785	2.024753953	7.776531727
CDV3:CCDS3079.1	0.472559572	4.715527983	7.775643136
B3GALT4:CCDS34425.1	-0.574590235	1.387313789	7.775608336
ASB2:CCDS9915.1	-1.165976501	1.187043454	7.775184674
MAP4K4:CCDS56130.1	0.492414088	7.63206775	7.77323642
AMPD3:CCDS7802.1	-2.148890385	5.069282031	7.771599056
RASD1:CCDS11185.1	-0.608330956	2.185078256	7.770868138
MTR:CCDS1614.1	0.59128796	4.262210323	7.770594165
RAG1:CCDS7902.1	-0.711002378	1.421791567	7.767369778
PDCD4:CCDS44478.1	0.512520906	4.501473231	7.765350904
GNGT2:CCDS11545.1	-1.439228166	-0.687923996	7.76198053
RAI14:CCDS54837.1	0.558154659	5.635105124	7.757949379
FAM84A:CCDS1684.1	-0.940507125	2.433462046	7.748893197
ECE2:CCDS33899.1	-0.632711886	1.884014978	7.748693174
TPST2:CCDS13839.1	-0.428931139	3.219316094	7.746282292
RNFT2:CCDS9180.2	0.540447095	3.821865099	7.743517481
AHCY:CCDS13233.1	0.703788911	8.187505515	7.735810888
HPCAL1:CCDS1671.1	-0.853751921	5.012070061	7.734960028
HVCN1:CCDS31900.1	-0.637316949	0.861201435	7.732748185
PAR6G:CCDS12022.1	-0.562304441	3.020782232	7.730426721
IL4I1:CCDS12787.1	-0.644633346	1.019127906	7.729887281
RALBP1:CCDS11845.1	0.451048924	4.454492993	7.727188984
PPM1M:CCDS46840.1	0.733652761	2.854184943	7.726026325
VCAN:CCDS47242.1	0.591875739	6.166994071	7.724555012
FGL2:CCDS5591.1	-0.931636336	0.863624955	7.723544086
DYNC1H1:CCDS9966.1	0.452874986	9.969980108	7.723393902
AKAP13:CCDS32319.1	0.480949453	5.665599813	7.722476522
WDR65:CCDS479.1	-0.549787087	1.647170845	7.72177872
MUTYH:CCDS41320.1	0.402027944	4.345838145	7.717479386
ZC3H12A:CCDS417.1	-0.566317236	1.729823661	7.717382495
MYOM1:CCDS45823.1	-0.636943719	3.141864489	7.71681022
SPRN:CCDS53589.1	-0.844942293	-0.541113785	7.714032769
HMGB2:CCDS3816.1	0.910321718	6.88517479	7.70912665
RASGRF1:CCDS42065.1	-0.921366654	3.550289043	7.708356468
LYSMD2:CCDS45259.1	-0.676449701	0.879638929	7.70676189
TRIM6:CCDS31390.1	-0.655538433	1.461950652	7.706592417
ZNF577:CCDS12842.2	0.739850634	1.636091188	7.704711743
KCNMB3:CCDS54683.1	-0.753562389	-0.137424249	7.703035995
SORCS3:CCDS7558.1	-0.490095784	3.370550937	7.702737917
SNX6:CCDS9648.1	0.508521605	4.104636634	7.693665111
CAV1:CCDS5767.1	-0.723626719	1.775621911	7.693212981
GCC1:CCDS5796.1	0.47879304	3.844469909	7.693010543
ACSBG1:CCDS10298.1	-0.722406033	2.46513706	7.690097046
PDE11A:CCDS42785.1	-0.595166764	1.832793419	7.68898767
IGSF21:CCDS184.1	-0.86668613	5.260434933	7.688456323
C6orf25:CCDS34405.1	-0.749615791	-0.473625538	7.684049207
CLCN1:CCDS5881.1	-0.536345784	1.887135726	7.681774683
DNAAF1:CCDS10943.2	-0.531288957	1.499339346	7.680478641
PSMD10:CCDS14536.1	-0.566402047	4.643178228	7.680395025
IQGAP3:CCDS1144.1	0.617965165	4.80940925	7.678122377
HMP19:CCDS4391.1	-0.762146267	6.590886448	7.676144608

TAUvsControls

MRPL43:CCDS7503.1	-0.658354098	5.913034593	7.675756707
AKAP13:CCDS32320.1	0.480565873	5.663206645	7.672867927
SETD4:CCDS13640.1	-0.409524232	2.935709072	7.672256427
TP53I13:CCDS42289.1	0.567630666	4.531800914	7.67107356
DARC:CCDS1183.1	-0.704850543	1.565217836	7.670090264
NMB:CCDS10332.1	-0.658993079	2.432497241	7.666892268
ARSE:CCDS14122.1	-0.728751625	1.381564408	7.666313747
UGGT1:CCDS2154.1	0.446799985	5.715771244	7.65481461
DISC1:CCDS53482.1	-0.54840019	2.616578037	7.654401183
RFPL2:CCDS54521.1	-0.935233881	0.711429338	7.65043081
AMPD3:CCDS44537.1	-2.123317668	5.072014471	7.650332071
SPINK4:CCDS6536.1	-1.555179444	-0.865423342	7.650154789
RXRG:CCDS1248.1	-0.795262985	3.51242544	7.645810018
GABRQ:CCDS14707.1	-0.912955321	1.326679236	7.64274645
PIKFYVE:CCDS2382.1	0.553918671	4.93988277	7.642448977
TMEM71:CCDS6366.1	-0.736578926	0.384796975	7.636551579
DSN1:CCDS46596.1	0.685960276	2.378555013	7.630643087
BNIP1:CCDS978.2	-0.807948293	0.332037751	7.629892043
RHOA:CCDS2795.1	0.527490711	7.403753657	7.626788463
DDA1:CCDS12357.1	-0.664078273	5.299989158	7.622993075
TMEM132A:CCDS7997.1	-0.604606157	7.656364383	7.621246098
CDHR3:CCDS47684.1	-0.674366986	2.377274063	7.619976187
TCF12:CCDS42042.1	0.703601577	5.895236249	7.619642001
MAMLD1:CCDS55526.1	-0.485993347	3.914532561	7.61935017
KIAA1683:CCDS32958.1	-0.562228536	1.850550876	7.619235829
DNAJB5:CCDS47959.1	-0.501385986	5.093339872	7.615753969
ASL:CCDS47598.1	0.509829173	5.06540419	7.614366502
TMEM132A:CCDS44618.1	-0.604119992	7.655982144	7.611013546
SLC5A10:CCDS11201.2	-0.969855467	1.885744677	7.61086548
SND1:CCDS34747.1	0.560508183	8.359877076	7.609372287
HPGD:CCDS54821.1	-0.931691648	0.696469411	7.608912454
PLA1A:CCDS56269.1	-0.675577946	0.241636291	7.6074165
PRKCZ:CCDS41229.1	-0.709282205	5.755851077	7.605776638
NOS1AP:CCDS1237.1	0.752801135	3.82113863	7.601709972
VPS41:CCDS5458.2	0.512008036	5.240836497	7.600685146
OSMR:CCDS3928.1	-0.97627645	2.984833368	7.598679301
KISS1R:CCDS12049.1	-0.658507545	0.910909455	7.598576861
SIGLEC10:CCDS54303.1	-0.552407245	1.390819093	7.598214142
MARCH11:CCDS47192.1	-0.947174735	1.300193241	7.597975905
LDOC1L:CCDS33662.1	-0.510152214	3.885591041	7.596486233
FBP2:CCDS6711.1	-0.751188494	1.416444778	7.586300482
ASIC2:CCDS11276.1	-1.015810686	2.487645624	7.586136161
MOB1B:CCDS34002.1	0.559052449	1.813601612	7.582698473
NBL1:CCDS41278.1	-0.702826134	4.854675993	7.581475189
MAP7D2:CCDS14195.1	-0.907205735	3.23577038	7.580037266
DNAJB6:CCDS47755.1	-0.481462562	5.429635481	7.579997696
SEC31A:CCDS3597.1	0.517134802	7.488183228	7.579342217
NBEAL1:CCDS46495.1	-0.586418743	3.44855564	7.578342501
GATSL2:CCDS47616.1	-0.618974667	6.958153068	7.576817541
SLC35D2:CCDS6717.1	-0.574297284	2.703951775	7.576012886
EFNB2:CCDS9507.1	-0.576857586	4.698365225	7.573617061

TAUvsControls

CPQ:CCDS6273.1	-0.643421781	1.310920748	7.572703378
KCNMB3:CCDS43172.1	-0.781202472	0.233106757	7.572096737
NPM1:CCDS4377.1	0.551522373	8.571482231	7.568780988
GDF15:CCDS12376.1	-0.990472257	5.764491726	7.565928483
CHRM5:CCDS10031.1	-0.892516928	0.860079409	7.557552793
XKR7:CCDS33459.1	-0.58356285	2.99873342	7.556133008
ADAMTS14:CCDS7306.1	-0.84169425	2.62377184	7.552969393
ADAMTS14:CCDS7307.1	-0.84114381	2.626262526	7.54784537
SLC5A10:CCDS42275.1	-0.971280418	1.863178006	7.546134532
CD58:CCDS44199.1	-0.861222391	0.86775435	7.545879025
SLAIN1:CCDS55901.1	-0.531591792	3.874419497	7.545675209
SLC13A3:CCDS54470.1	-0.48850851	1.914844158	7.545107595
EMILIN3:CCDS13316.1	0.622421004	3.591288214	7.544942864
UBE2E1:CCDS2638.1	-0.50770753	4.986135378	7.54403087
SPINK7:CCDS4289.1	-1.278917895	-0.444181786	7.543907214
ADPRHL1:CCDS9536.1	-0.724165978	1.327120992	7.54345938
CXCL13:CCDS3582.1	-1.243413495	-0.984986328	7.542253005
CHCHD3:CCDS5828.1	0.453783258	5.237846628	7.537769215
MRPL43:CCDS7502.1	-0.652430125	5.90602422	7.536836326
LCN15:CCDS7006.1	-0.796315551	-0.267206545	7.535236619
TROVE2:CCDS41450.2	0.589248249	3.308533315	7.532946459
PHLDA1:CCDS31861.1	-0.515851752	4.467392173	7.532440798
TNFRSF14:CCDS44046.1	-0.677637293	0.822090249	7.529265598
GRM5:CCDS44694.1	-0.978947417	3.017207272	7.527822796
MTMR12:CCDS34138.1	0.471217408	3.839212605	7.523861681
RAB8B:CCDS10183.1	0.483089101	3.25888791	7.523755337
SF3B3:CCDS10894.1	0.462634543	7.634501946	7.52310558
CDK5R2:CCDS2427.1	-0.795704412	3.250708412	7.519688597
ARHGAP4:CCDS14736.1	1.260190244	4.68982202	7.519585408
S100A6:CCDS1040.1	-0.975032642	1.623227862	7.515971865
NID1:CCDS1608.1	0.790694108	6.627255906	7.514376966
MCCC2:CCDS34184.1	0.45250989	3.8813826	7.51322967
CCDC65:CCDS8772.1	-0.939773819	2.594340936	7.511048015
KIAA1715:CCDS33332.1	0.579572047	3.859570041	7.506023009
MUTYH:CCDS520.1	0.395369669	4.351815897	7.504996463
CD53:CCDS829.1	-0.692341851	0.312035633	7.502905666
RAPGEFL1:CCDS11363.1	-0.641926627	3.413243339	7.499725379
TUBGCP5:CCDS10008.1	0.539328523	3.820642852	7.499112535
CYP2S1:CCDS12573.1	-0.747484731	1.396474608	7.499013714
PTMS:CCDS8560.1	0.830571249	8.81261364	7.49369184
HPDL:CCDS519.1	-0.652476407	0.062604083	7.490360084
TOP2A:CCDS45672.1	0.836131015	6.64285706	7.489628861
SLC1A3:CCDS3919.1	-0.880311134	5.73265275	7.489621604
CACNG5:CCDS11665.1	-1.121437931	2.005707884	7.487262311
FGF8:CCDS7516.1	-0.788572496	0.927612994	7.487082824
PDE11A:CCDS33334.1	-0.620536215	2.105509885	7.487045588
FIGF:CCDS14166.1	-0.637076244	0.559397127	7.485923664
C1QTNF3:CCDS34141.1	-0.713168498	1.566880016	7.485830395
GH1:CCDS11653.1	-0.843688073	-0.065952115	7.48516665
PROM1:CCDS47029.1	0.616701622	4.666098549	7.48131019
C4B:CCDS47405.1	-0.8254179	6.60133636	7.478398589

TAUvsControls

RASAL3:CCDS46006.1	-0.661646813	1.643774153	7.478000003
CFLAR:CCDS56158.1	-0.630534994	1.533317687	7.474836052
NMB:CCDS42076.1	-0.670981686	2.551421716	7.473510674
MCOLN1:CCDS12180.1	-0.503851816	4.611498692	7.471491519
GNA14:CCDS6657.1	-0.748880148	0.582263212	7.47146333
CCDC110:CCDS3843.1	-0.700127166	1.267543309	7.470666267
RASGEF1B:CCDS34022.1	-0.59698256	3.488512505	7.470470928
HSD11B1L:CCDS12145.1	-0.605615207	3.89045004	7.469361584
ESR2:CCDS55919.1	-0.600395652	0.959432635	7.468829225
SLC17A8:CCDS9077.1	-0.912363106	1.532483464	7.468062263
HTATIP2:CCDS44553.1	-0.858408888	0.472777755	7.466612783
NMD3:CCDS3194.1	0.580231938	4.205262916	7.462224516
TROVE2:CCDS41449.1	0.590876645	3.288347084	7.46167669
PATL2:CCDS45253.1	-0.636052917	1.312782949	7.459854437
METAP1D:CCDS2246.1	-0.528696353	1.889955384	7.456226414
SAMD14:CCDS11560.1	-0.917570416	5.396122377	7.453438522
TNNI3K:CCDS664.1	-0.733197267	2.017499024	7.45334507
GRM5:CCDS8283.1	-0.975130284	2.958576579	7.451541649
NRN1:CCDS4495.1	-0.921233847	3.485526842	7.44920784
ALS2CL:CCDS2743.1	-0.700922337	1.964894684	7.444756839
ASCC3:CCDS5047.1	0.658784063	0.798320502	7.44179659
SLC22A23:CCDS47363.1	-0.509365527	4.41929047	7.441562336
DARC:CCDS44252.1	-0.694902884	1.413033593	7.439575326
WASF2:CCDS304.1	0.60930144	5.444429775	7.438654644
CRYAB:CCDS8351.1	-1.193409421	6.597487545	7.435688685
TIMELESS:CCDS8918.1	0.706730112	6.075098604	7.434571195
ARNTL2:CCDS8712.1	-0.542911633	2.22389291	7.42921677
MTNR1B:CCDS8290.1	-0.761493153	-0.116812502	7.427604402
DDX42:CCDS32704.1	0.475341429	6.200107576	7.427505945
TMEM87A:CCDS32205.1	0.501823299	4.806766073	7.421610877
ARL5C:CCDS45664.1	-0.855562807	-0.531313754	7.420084984
GSK3A:CCDS12599.1	-0.561487703	7.018038841	7.41833724
NCCRP1:CCDS12529.1	-0.822742598	0.469720653	7.415676313
TUBGCP5:CCDS45188.1	0.531425157	3.805661939	7.406440775
FAM150B:CCDS46218.1	-0.850306496	-0.032070032	7.404782109
PHYH:CCDS41489.1	0.477791086	3.90494701	7.398687146
CCNB3:CCDS14332.1	-0.562846168	0.374392634	7.397755238
PEPD:CCDS42544.1	-0.61820098	6.221414981	7.397249368
FAM71C:CCDS9072.1	-1.018087239	-0.578500115	7.396547362
C2orf15:CCDS2038.1	-0.8016937	-0.544549716	7.395307543
RWDD2B:CCDS13582.1	0.614921025	2.280573789	7.39385551
ACTL6B:CCDS5702.1	-0.684001284	6.379351901	7.392394581
PLCD1:CCDS2671.1	0.701264771	6.902070924	7.392078562
CHD2:CCDS10374.2	0.490415818	6.068881681	7.391883325
STARD3:CCDS54117.1	-0.468955005	5.912443931	7.390859863
TMEM176B:CCDS5908.1	-0.702884208	1.827733093	7.388829981
MR1:CCDS53442.1	-0.760165995	0.624034149	7.388725561
NEUROG2:CCDS3698.1	-0.818652819	2.726057134	7.387951412
TRIM25:CCDS11591.1	-0.657037705	2.879109506	7.386522456
DNAJC10:CCDS33345.1	0.62569728	5.011282481	7.37961784
GFI1:CCDS30773.1	-0.634602268	0.325255331	7.376657529

TAUvsControls

CRB1:CCDS1390.1	-0.729703056	3.983130118	7.376459573
LPHN3:CCDS54768.1	0.474449523	5.723025893	7.376105594
FBLIM1:CCDS163.1	-0.668156898	3.224007044	7.375574706
NDUFV3:CCDS33572.1	0.53648277	5.254723671	7.37527333
CYP3A5:CCDS5672.1	-0.848763406	0.996644882	7.374775226
PRICKLE3:CCDS14320.1	-1.021941944	1.432008798	7.373690808
TMPRSS13:CCDS55789.1	-1.139663067	0.848746648	7.373430308
STARD3:CCDS54118.1	-0.475026007	5.810215018	7.372808194
NFKBID:CCDS42552.1	-0.663362449	0.640403241	7.371377664
KCNK6:CCDS12513.1	-0.633724927	0.307070851	7.370011247
CHRNA:CCDS33400.1	-1.37147512	1.32585169	7.369422539
CHD8:CCDS45081.1	0.436977195	6.692456476	7.367736192
ZNF804A:CCDS2291.1	-0.571999623	2.933843472	7.365720449
IARS:CCDS6694.1	0.501687665	7.467732923	7.363850034
ALDH16A1:CCDS12766.1	0.513796918	4.318257279	7.36250802
BTN2A1:CCDS56404.1	-0.53923924	3.242272307	7.35949063
GALNT3:CCDS2226.1	-0.683692501	0.89562633	7.357272341
RASGRF1:CCDS10309.1	-0.828460318	4.786984045	7.349715247
MMP28:CCDS45651.1	-0.815154422	0.046368304	7.349435139
STARD3:CCDS11341.1	-0.466505997	5.91516126	7.349172059
DDO:CCDS5082.1	-0.681875454	0.176619267	7.345187027
LGI3:CCDS6025.1	-0.777196796	2.522823303	7.345012753
CLEC11A:CCDS12800.1	-0.619933474	2.396427851	7.342179922
KIAA1683:CCDS46018.1	-0.572365361	1.784898645	7.341853419
CREB3L2:CCDS34760.1	0.612682265	3.613699076	7.340747232
GPATCH8:CCDS32666.1	0.447107603	5.327933954	7.33988126
SMYD3:CCDS53486.1	-0.505802501	4.16379356	7.338772149
PYGM:CCDS8079.1	-0.594400763	2.948985391	7.338058941
AMPD3:CCDS53601.1	-2.162771756	4.726923156	7.33463903
PLXND1:CCDS33854.1	-0.684371052	6.078146644	7.332924724
CDS1:CCDS3608.1	-0.651608066	2.155491177	7.332493114
SCN1B:CCDS46047.1	-0.830484861	0.670718057	7.331196073
DTX3L:CCDS3015.1	-0.632260545	1.5795553	7.329254718
SNX2:CCDS34217.1	0.605966105	5.103349544	7.328308737
TPD52L1:CCDS43502.1	-0.734225929	3.119893534	7.324874584
SLC24A2:CCDS55297.1	-0.707936815	1.668478526	7.322242411
CDH13:CCDS56010.1	-1.087848848	2.058456545	7.321494888
CCDC147:CCDS31282.1	-0.593240285	1.56356373	7.320526952
SLC39A4:CCDS43782.1	-0.583772347	1.199331622	7.317795235
GSR:CCDS56530.1	-0.433903497	4.997613436	7.316200463
ZNF675:CCDS32981.1	-0.482116753	2.385271361	7.315664319
ZPLD1:CCDS2947.1	-0.622311126	0.857109599	7.311737783
SNRNP200:CCDS2020.1	0.558662849	9.09849186	7.310524442
MMP19:CCDS8895.1	-0.787636796	1.098217844	7.30950544
ALX1:CCDS9028.1	0.941217469	2.006540655	7.306988591
VCAN:CCDS54875.1	0.561421063	6.748288385	7.306106966
PAFAH1B2:CCDS53715.1	0.658694596	4.315394992	7.304329811
C1QTNF3:CCDS3904.1	-0.698182588	1.404792099	7.303397331
PDPR:CCDS45520.1	0.468278879	4.726835314	7.300820144
CDH13:CCDS56009.1	-1.08545401	2.059420393	7.300029483
HOXB3:CCDS11528.1	-1.091568574	3.442822458	7.299923722

TAUvsControls

COLQ:CCDS33709.1	-0.590725195	2.070951265	7.298186241
VPS41:CCDS5457.1	0.500039476	5.291555954	7.297499867
PAFAH1B2:CCDS53714.1	0.673558335	4.459856019	7.297205247
GUCY2D:CCDS11127.1	-1.05478042	1.928704391	7.294051272
ARL17A:CCDS45718.1	0.62971742	2.000551507	7.293624357
MAP7D2:CCDS55384.1	-0.899033196	3.182270229	7.289922187
CHRNA4:CCDS13517.1	-0.569235248	4.011964916	7.286754371
FXYD5:CCDS12447.1	-1.098457885	3.983795078	7.285722274
DLGAP1:CCDS11836.1	-0.585548988	4.078714631	7.283036997
DMKN:CCDS54250.1	-0.682616087	3.320443979	7.281059426
CARD10:CCDS13948.1	-0.667902439	3.537679896	7.277642831
PPP1R1A:CCDS44912.1	0.787456206	5.67676801	7.277348577
TNIK:CCDS54677.1	0.778229936	6.106592346	7.27480714
BAIAP2L1:CCDS34687.1	-0.779074875	3.286520166	7.271501963
C22orf43:CCDS42985.1	-0.742600106	0.641694524	7.269954645
ZDHC13:CCDS44550.1	-0.441903319	3.514344318	7.269012754
ALDH16A1:CCDS46141.1	0.517493784	4.260652383	7.268995353
ELOVL5:CCDS56433.1	0.541078313	5.535869813	7.264377353
KIRREL3:CCDS55796.1	-0.695017283	4.568973064	7.263613639
DOCK7:CCDS30734.1	0.43597381	5.677880103	7.26337768
C15orf52:CCDS10055.2	-0.835006071	1.234532506	7.257440091
PEPD:CCDS54244.1	-0.59911217	5.983440631	7.255377083
TNIK:CCDS54679.1	0.769386778	6.145560247	7.254365616
CD58:CCDS888.1	-0.852527703	0.935420697	7.25084308
SERPINB9:CCDS4478.1	-0.710460743	1.487638024	7.250152796
CREB3L3:CCDS12121.1	-0.641483006	1.214141274	7.24749869
OMG:CCDS11265.1	-0.690874456	0.386964514	7.246724693
MAP3K5:CCDS5179.1	-0.822544193	2.682908922	7.245145822
KPNB1:CCDS11513.1	0.443639026	7.506173391	7.24255319
TNIK:CCDS54673.1	0.777040966	6.078659474	7.238402459
EFCAB6:CCDS14049.1	-0.448690452	2.635663613	7.237910174
NT5C1A:CCDS440.1	-0.702153809	0.412130003	7.237863917
DIRAS2:CCDS6687.1	-0.741114573	2.678854365	7.237811463
CAMK2G:CCDS7338.1	-0.455394562	5.482336097	7.233359355
RBM26:CCDS9462.1	0.484385082	4.927261759	7.22668557
HPR:CCDS42193.1	-0.666407801	0.478366812	7.226352124
FBXO2:CCDS130.1	-0.595749327	3.767958886	7.22204905
PRKD1:CCDS9637.1	-0.586174114	3.211749793	7.218018693
TNIK:CCDS54675.1	0.768366908	6.118380065	7.217980331
PRDM7:CCDS45557.1	-2.268967949	7.139553472	7.215417735
ZNF648:CCDS30952.1	-0.646527006	0.496384721	7.214043537
TNFSF13B:CCDS9509.1	-0.932870573	0.154023887	7.213263658
ELOVL5:CCDS4951.1	0.538674448	5.466182705	7.213179839
ACTR2:CCDS1881.1	0.413083364	5.882693967	7.212896444
SORBS3:CCDS6031.1	0.637594374	6.09158206	7.210592546
ARHGEF3:CCDS46854.1	-0.540804129	3.236540738	7.209911653
CLSTN2:CCDS3112.1	-0.46841109	4.741196641	7.209207164
MED10:CCDS34134.1	-0.582226265	4.500611043	7.202233807
AQP5:CCDS8793.1	-1.071529462	0.370296228	7.20163734
CAMKK1:CCDS11038.1	-0.578938821	3.274272201	7.200681451
BMP8A:CCDS437.1	0.529465779	2.029023866	7.198816316

TAUvsControls

PHACTR3:CCDS13480.1	0.733622567	3.75736002	7.196525742
CNTRL:CCDS35118.1	0.511506266	4.32538761	7.196029938
ADRA2A:CCDS7569.2	-0.8996867	1.886559997	7.194535609
KIAA0319:CCDS54971.1	-0.904279647	3.062919399	7.192670816
RINL:CCDS12522.1	-0.7375509	0.898705323	7.190303132
PIKFYVE:CCDS33368.1	0.623399212	2.864955836	7.190174736
ISLR2:CCDS10259.1	-0.774274841	6.284421899	7.188266028
ARHGAP22:CCDS7227.1	-0.638829697	1.879103844	7.185514844
UTP14A:CCDS14615.1	0.509322598	4.299303405	7.179133252
DYRK3:CCDS31000.1	-0.56738924	2.480082509	7.178828981
WASF2:CCDS55582.1	0.628594315	4.888790683	7.178760761
ZDHC4:CCDS5352.1	0.516238435	4.823781648	7.176270721
GCNT1:CCDS6653.1	-0.869866039	1.057179867	7.171540813
KCNG1:CCDS13436.1	-0.852402575	3.859631522	7.171155277
SLC19A2:CCDS1280.1	-0.499635768	2.311870523	7.169253162
NUP214:CCDS6940.1	0.45216775	6.333004592	7.166678253
RASGRF1:CCDS45320.1	-0.815478536	4.758474608	7.164552141
CHAT:CCDS7233.1	-0.693870284	1.560645242	7.163186648
WEE1:CCDS7800.1	0.455371517	4.366356426	7.160978143
PHACTR3:CCDS42895.1	0.742035481	3.707839372	7.1554317
GRTP1:CCDS9534.2	-0.49486906	1.286933296	7.15223557
GCH1:CCDS41954.1	-0.728193748	0.682212807	7.150207021
FAM115C:CCDS47735.2	-0.681980205	1.788167943	7.149963595
CUL7:CCDS4881.1	0.397750047	7.165224641	7.148843225
FANCC:CCDS35071.1	0.494298391	3.600210662	7.145627329
PRRC2C:CCDS1296.2	0.517359195	6.970134702	7.145037441
RPUSD1:CCDS10426.1	-0.585483628	4.112151952	7.142253453
IQSEC3:CCDS31725.1	-0.578340856	3.74354417	7.135106938
NR0B2:CCDS291.1	-0.829618579	-0.622215405	7.129776794
GTF2H1:CCDS7838.1	-0.434922716	4.102454103	7.128878983
SUPT16H:CCDS9569.1	0.548711329	7.130290515	7.12622205
DICER1:CCDS9931.1	0.531528999	5.031180015	7.12622169
CHD8:CCDS53885.1	0.429722558	6.817749972	7.124687157
TRPV4:CCDS53829.1	-0.625578997	2.081589204	7.123925867
SPSB3:CCDS32365.1	-0.617406371	5.790052476	7.123862293
PHACTR3:CCDS56202.1	0.735773797	3.721849476	7.123335533
TNFSF13B:CCDS45067.1	-0.910147995	-0.093689991	7.118655957
C2orf54:CCDS42840.1	-0.638414751	0.13750553	7.117436363
SH2D1A:CCDS14608.1	-1.248195236	-0.305032123	7.114478582
IL1RN:CCDS46396.1	-0.750627234	-0.319413567	7.108470317
UBE2V1:CCDS13427.1	0.506656769	3.751824938	7.105610483
TNRC6B:CCDS46712.1	0.504654727	4.03224184	7.105003976
NOX1:CCDS14475.1	-0.977198417	1.425755513	7.103733427
IDI2:CCDS7055.1	-0.625782142	1.168301424	7.102814278
WNT10B:CCDS8775.1	-0.988534764	2.107055644	7.10278752
IL4I1:CCDS12786.1	-0.610289259	1.06514324	7.096609581
CGRRF1:CCDS9719.1	-0.559055372	2.174307208	7.088412955
SYNCRIP:CCDS55041.1	0.416589453	5.835343644	7.08644484
RABGGTB:CCDS669.1	0.481495626	3.990925571	7.08535657
PPL:CCDS10526.1	-0.634202674	3.757986588	7.083093395
NRP1:CCDS31179.1	0.529414293	4.723148295	7.08123778

TAUvsControls

CRISPLD1:CCDS6219.1	0.686780951	5.097192916	7.079520968
SYS1:CCDS56192.1	-0.643077688	3.055294675	7.079403057
IPO11:CCDS47217.1	0.503808527	3.957287483	7.07377299
ARHGAP4:CCDS55540.1	1.220241522	4.752341161	7.070589742
WIPI2:CCDS47533.1	-0.506055837	5.940550122	7.067924428
RPLP1:CCDS10234.1	0.666972444	9.748305974	7.065831043
CUL7:CCDS55003.1	0.395428709	7.181813988	7.056285564
DNAH10:CCDS9255.2	-0.419902269	4.377804142	7.05206248
KAT6A:CCDS6124.1	0.518914652	5.9969278	7.051523388
MCEE:CCDS1915.1	-0.674515928	0.933877619	7.050476853
TULP1:CCDS4807.1	-0.975937751	2.297173689	7.050142154
HUWE1:CCDS35301.1	0.462814796	8.55862443	7.047747324
OSBPL10:CCDS54559.1	-0.575366804	2.871167086	7.044022669
PDE9A:CCDS42947.1	-0.493592977	4.637704635	7.043746413
FBXL15:CCDS31273.1	-0.583498619	3.476700138	7.043607313
ENKUR:CCDS7146.1	-0.605618788	1.197161179	7.043004907
KIAA1683:CCDS46017.1	-0.550883987	2.043225053	7.042774135
ANKRD53:CCDS1913.1	-0.651269963	0.769936056	7.039424494
VPS29:CCDS53832.1	-0.629830811	4.549143702	7.039405432
TMEM209:CCDS47712.1	0.585101053	3.908672248	7.034959383
HSPA4:CCDS4166.1	0.46921531	6.538665364	7.031443927
YES1:CCDS11824.1	0.573187088	4.258503871	7.029853817
ADPRH:CCDS2990.1	-0.717568891	0.170951818	7.029243236
TMED3:CCDS10310.1	0.536435927	5.880195372	7.021964768
NAT8L:CCDS3359.2	-0.626334723	3.920662911	7.021651033
ADAMTS16:CCDS43299.1	-0.578983111	2.782621349	7.021402923
KIF21B:CCDS30965.1	-0.575152003	8.154205811	7.021015776
HOXD8:CCDS56149.1	-0.920850371	0.312670911	7.020916285
IQSEC3:CCDS53728.1	-0.563325068	4.111915643	7.019514544
CDK5RAP2:CCDS6823.1	0.525287265	6.078032734	7.019333232
RNFT2:CCDS44987.1	0.506611591	3.818314005	7.019169872
LGALS9C:CCDS32587.1	-0.708361295	0.779385803	7.015391682
ESRRG:CCDS1517.1	-0.56307614	2.768615309	7.015162421
RNF24:CCDS13074.1	0.60313405	2.873715122	7.0151386
HDAC8:CCDS55448.1	-0.461331484	2.393304794	7.014113836
ZNF720:CCDS45473.1	0.555627547	1.949740135	7.013674662
MMD:CCDS11586.1	-0.551416334	3.269744863	7.012503111
PRND:CCDS13081.1	-0.943281096	-0.557541207	7.01155107
TRPV4:CCDS9135.1	-0.606867548	2.011326971	7.009957627
NFATC1:CCDS12016.1	-0.68841283	2.49194741	7.006811569
RARRES3:CCDS41662.1	-0.979249224	1.103254716	7.006338675
HIST1H2BE:CCDS4588.1	-0.637444407	0.323937193	7.004781385
ESRRG:CCDS41468.1	-0.538861579	2.968162455	7.003714057
CHST13:CCDS3039.1	-0.785779174	-0.244301076	7.003092643
PPP1R14A:CCDS12509.1	-0.773877508	1.029791574	6.999694562
HSD17B7:CCDS1242.1	-0.559177911	3.913596323	6.998392549
GAL3ST3:CCDS8128.1	-0.601728629	2.751148851	6.998302882
MICB:CCDS43449.1	-0.705333634	1.550078347	6.997613708
MAP7D2:CCDS55385.1	-0.87447353	3.143006776	6.996238662
EPB41L5:CCDS54392.1	0.515988146	3.434919874	6.996189065
PKLR:CCDS44240.1	-0.762387403	1.071664037	6.992384093

TAUvsControls

MAP4:CCDS46818.1	0.450396369	7.915141951	6.990665281
TMEM108:CCDS33858.1	-0.633878539	3.784423751	6.988552445
GSR:CCDS56531.1	-0.431039698	5.204643451	6.987752527
MBOAT7:CCDS54315.1	-0.51322673	5.177856135	6.984806561
FOX4L2:CCDS43817.1	-0.687266795	0.233988475	6.983148194
BCL2L13:CCDS13746.1	0.420355315	4.706928663	6.9804737
TNIK:CCDS54678.1	0.756226031	6.129418717	6.975826767
TTYH2:CCDS32717.1	0.609015014	4.783340505	6.97180508
CHRN3:CCDS6134.1	-1.222343903	1.67286018	6.97179115
DNAJB5:CCDS35007.1	-0.487039103	4.950906228	6.970766488
SEC14L5:CCDS45403.1	-0.841026434	1.523844938	6.970153539
ANKRD34B:CCDS34194.1	-1.013703303	0.747743093	6.968483758
AFP:CCDS3556.1	-1.339064201	1.895537222	6.966278663
KHNYN:CCDS32058.1	0.480814971	4.184843728	6.965599246
GPM6A:CCDS3824.1	-0.59377961	7.021438036	6.964589561
TNIK:CCDS46956.1	0.748155194	6.16778375	6.962374789
LG14:CCDS12444.1	-0.639143912	2.202273688	6.962139343
BCLAF1:CCDS5177.1	0.502693705	5.75649972	6.956287118
B3GNT1:CCDS8136.1	-0.543037406	6.327946888	6.95493363
VPS29:CCDS41832.1	-0.618968787	4.308361633	6.949716039
RGS20:CCDS6155.1	-0.548838094	2.192082836	6.948493156
CLEC18B:CCDS32484.1	-0.659709564	2.597513788	6.945550408
CAMK2G:CCDS7337.1	-0.450566526	5.434943356	6.944869869
SLC1A3:CCDS54844.1	-0.835203412	5.478374786	6.944693216
HSP90B1:CCDS9094.1	0.51463457	8.42574923	6.942111552
PRKAG2:CCDS43683.1	-0.71627931	2.609020427	6.938627851
DNAJB13:CCDS8227.1	-0.637004328	0.612102844	6.937586919
TNIK:CCDS54674.1	0.75465943	6.101927787	6.934601586
CCDC144NL:CCDS32591.1	-0.843100403	0.934192971	6.932517045
CYB5A:CCDS54188.1	-0.554249163	3.425869939	6.931495586
ANKRD17:CCDS34004.1	0.481224668	6.705221743	6.931447105
NR1D1:CCDS11361.1	-0.57206609	5.127495363	6.931175339
WDR20:CCDS55945.1	-0.427126277	3.406520543	6.930829345
CFLAR:CCDS56157.1	-0.532919243	1.721465425	6.930157096
FAM166A:CCDS35186.1	-0.577449159	0.619584222	6.927568526
RUNDC3A:CCDS45698.1	-0.68976945	6.718844433	6.926314878
IL6:CCDS5375.1	-0.907617107	0.517303388	6.925738819
ZNF639:CCDS3227.1	-0.501326404	3.122439339	6.922636424
TNIK:CCDS54676.1	0.746775055	6.141022216	6.921535583
COLQ:CCDS46768.1	-0.575640948	2.087114556	6.920754273
ACOT2:CCDS9816.1	-0.736566489	2.342497296	6.920127867
PTBP3:CCDS55332.1	0.598379832	3.415138347	6.918282202
IL11RA:CCDS6567.1	0.843001994	5.146851114	6.917918572
C20orf26:CCDS33447.1	-0.414867095	2.523676022	6.91221058
MYO3A:CCDS7148.1	-0.47674959	2.602731068	6.908683399
AGPAT9:CCDS3606.1	-0.724495176	1.040643241	6.906849301
FRAS1:CCDS54771.1	0.593695388	6.025403443	6.90479344
TNNT1:CCDS46185.1	-1.123823164	3.713715515	6.903928964
PGC:CCDS4859.1	-0.684428189	0.441086314	6.903036388
CABP1:CCDS31913.1	-0.654761901	1.612306494	6.90157184
FAHD1:CCDS45380.1	-0.52844344	2.451911306	6.899426816

TAUvsControls

VEPH1:CCDS3179.1	-0.524088636	2.482427113	6.895686422
TRPM8:CCDS33407.1	-0.867341485	2.33049993	6.895058299
SLC39A4:CCDS6424.1	-0.576012161	1.249277423	6.894556169
MITF:CCDS46865.1	-0.577539505	2.078886681	6.894161363
CC2D1A:CCDS42512.1	-0.468002953	4.957531694	6.890779838
GNG10:CCDS35107.1	-0.73230843	2.029625763	6.888049436
CAP2:CCDS4539.1	-0.397227421	4.520939936	6.881677573
PPAPDC2:CCDS34981.1	-0.543961951	1.167165008	6.881559378
FMR1:CCDS55518.1	0.456703722	4.367918758	6.879926705
KIAA0895:CCDS56483.1	-0.555269211	2.786762931	6.877963571
BTN2A1:CCDS47390.1	-0.538529646	3.325500987	6.876409066
PIKFYVE:CCDS54431.1	0.594696889	3.132962816	6.871845956
CLCN4:CCDS14137.1	-0.600878999	4.770758416	6.871232262
KCNA4:CCDS41629.1	-0.983448013	1.630109021	6.871014282
TRPM3:CCDS6637.1	-0.625999706	2.608707574	6.869051415
APOC1:CCDS12648.1	0.918691986	0.215816538	6.867921197
KIAA0895:CCDS47573.1	-0.560352147	2.772238392	6.864980193
FUT9:CCDS5033.1	-0.755430904	0.979369321	6.864671973
MEAF6:CCDS418.1	-0.493633585	5.666259437	6.864196934
DMKN:CCDS46054.2	-0.680346126	3.461552237	6.862723883
NCOA4:CCDS7237.1	0.408952685	6.017797271	6.859510961
FOXD4L4:CCDS6621.1	-0.669927155	0.245227757	6.858271709
PRKAG2:CCDS5928.1	-0.697881309	2.68294244	6.858133302
GRM8:CCDS47696.1	-0.514795349	2.707337543	6.857542634
KIAA1024:CCDS32306.1	-0.644329119	2.539919569	6.856476597
TRIM3:CCDS7764.1	-0.453748038	4.504533482	6.85645411
CD6:CCDS7999.1	-0.72482725	1.531509702	6.855105159
HYAL1:CCDS2817.1	-0.571301821	0.403228211	6.85490535
KCNV2:CCDS6447.1	-0.783141444	1.443273276	6.852601796
TNKS:CCDS5974.1	0.457339496	5.749215835	6.851354288
SLC6A12:CCDS8501.1	-0.673148142	1.423304957	6.851217715
KCNK15:CCDS13337.1	-0.793072976	0.250101223	6.849569615
UCKL1:CCDS13547.1	-0.476541757	5.115447106	6.848995001
PRKAR1A:CCDS11678.1	0.399322102	6.745373466	6.848838897
DPPA4:CCDS33814.1	-0.599749236	1.495559912	6.844626369
DOCK4:CCDS47688.1	-0.46642766	4.574423036	6.844097956
EPHA6:CCDS46876.1	-0.602587983	2.44512618	6.841797014
HNRNPH3:CCDS7279.1	0.567107511	6.532360346	6.840308915
GRIA3:CCDS14604.1	-0.923247373	2.858376284	6.836622146
ERG:CCDS46648.1	-0.808462775	2.057853964	6.834984224
GLDN:CCDS10140.2	-0.920475467	0.757530332	6.833894088
NPAS2:CCDS2048.1	-0.686322831	3.584556331	6.833711471
DHODH:CCDS42192.1	0.518974436	3.090034589	6.833464268
GEM:CCDS6261.1	-0.561876964	2.163455908	6.828910294
SSTR2:CCDS11691.1	-0.623223565	2.553157894	6.826170758
GSR:CCDS56532.1	-0.419717089	5.0961799	6.824642371
ANTXR1:CCDS46313.1	0.662808985	4.860268328	6.823722382
PRR14:CCDS10687.1	-0.571219049	5.649003878	6.822983015
TMEM232:CCDS47253.2	-0.610969009	1.386948837	6.81643201
FAM69A:CCDS44173.1	-0.644641037	2.149716027	6.815477521
PGA5:CCDS8001.1	-0.584775136	0.900475431	6.814328495

TAUvsControls

IQUB:CCDS5787.1	-0.607785601	1.35766196	6.813892786
KIF18A:CCDS7867.1	-0.652878412	2.732469706	6.813254208
RAB11B:CCDS12201.1	-0.641203073	7.061839398	6.809633873
TPX2:CCDS13190.1	0.643858507	5.636397277	6.808160262
ANKRD17:CCDS34003.1	0.478572942	6.600340326	6.807484295
HLA-A:CCDS34373.1	-0.797512988	5.998849908	6.804517204
CLUAP1:CCDS32381.1	0.420729414	3.93637295	6.804029622
CCDC110:CCDS47170.1	-0.657480156	1.163927858	6.797791422
GHDC:CCDS45682.1	0.455815882	2.218385733	6.792319806
WDR20:CCDS9970.1	-0.42471635	3.347164032	6.788826107
FAHD1:CCDS10448.1	-0.530257847	2.503105079	6.788313748
DCAF16:CCDS3423.1	0.476716383	2.222801515	6.787506267
CYP2E1:CCDS7686.1	-0.589686573	1.202350951	6.785467345
BCLAF1:CCDS47485.1	0.491253845	5.57387295	6.784571396
ZNHIT6:CCDS53338.1	0.51579665	3.253181656	6.780158254
OGFOD1:CCDS10761.2	0.398287733	4.798337696	6.773936338
CENPBD1:CCDS45556.1	-1.465555399	4.006430146	6.769444065
WDR20:CCDS9968.1	-0.421647008	3.60207595	6.769345417
SLC12A2:CCDS4144.1	0.474197397	3.960133146	6.765544616
GALP:CCDS12940.1	-0.786964812	-0.306521525	6.762955655
ELP2:CCDS11918.1	0.402316579	5.199858148	6.762218133
RAB3GAP1:CCDS54402.1	0.401051843	5.378161754	6.761339483
HSPA1L:CCDS34413.1	-0.56160823	1.720678715	6.759651227
DEF8:CCDS10989.1	-1.10585701	7.723168962	6.756358045
AGER:CCDS56418.1	0.525292814	2.073929581	6.751976009
EFCAB11:CCDS9887.1	0.58305587	1.227439976	6.75150148
DLGAP1:CCDS56053.1	-0.568296898	4.034761575	6.751095886
RUNDC3A:CCDS45699.1	-0.684612509	6.708660704	6.747847221
CHST8:CCDS12433.1	-0.760463519	3.261325907	6.743003893
LGR6:CCDS30972.1	-0.914301476	2.027639018	6.740082714
DDX28:CCDS10858.1	-0.431981654	3.177006944	6.736485218
CACNA1:CCDS46710.1	-0.727339076	3.455619819	6.735614105
SLC25A24:CCDS786.1	0.528882884	3.221671671	6.734931238
TTC37:CCDS4072.1	0.502143493	5.259107387	6.734753737
KIAA0141:CCDS4268.1	0.454351752	5.129087619	6.733652899
SPECC1:CCDS32590.1	0.494858061	5.043489226	6.733372552
TMPRSS3:CCDS42939.1	-0.650531908	0.402011523	6.732720757
UNC5A:CCDS34299.1	-0.663324195	4.132798728	6.732018395
IRF5:CCDS56512.1	-0.648236384	0.928489623	6.729742104
ALG1:CCDS10528.1	0.43798016	4.575247317	6.727712584
METTL7B:CCDS8887.2	-0.80742824	-0.302863886	6.725290895
ANGPTL1:CCDS1327.1	-0.918177906	1.702237067	6.725138478
ASIC2:CCDS42296.1	-0.894118358	2.285932673	6.719085421
THRAP3:CCDS405.1	0.471806671	6.676341082	6.717907767
UBE2E1:CCDS2639.1	-0.472880447	4.601071685	6.715112165
HNRNPH3:CCDS7278.1	0.562300822	6.543502916	6.712321215
PLEKHA6:CCDS1444.1	0.414373739	5.391519899	6.711479851
SPECC1:CCDS42281.1	0.494323657	5.06933011	6.710633558
FRAS1:CCDS54772.1	0.655535544	4.91573792	6.71033151
BCLAF1:CCDS47486.1	0.489742313	5.646500863	6.706070456
ZNF165:CCDS4643.1	-0.588788005	0.727054159	6.705567785

TAUvsControls

CACNA1:CCDS46711.1	-0.723794133	3.437064792	6.703697021
SLC24A4:CCDS45156.1	-0.565419045	1.398721636	6.703258267
SLC22A23:CCDS34331.1	-0.483928134	4.039255891	6.70268769
SMPD2:CCDS5075.1	0.521470445	3.318627235	6.697386366
ZNF727:CCDS55113.1	-0.676544485	0.391108073	6.696878026
RHOXF2:CCDS14594.1	-0.735471327	-0.159344762	6.694554096
DNAH6:CCDS46348.1	-0.498127975	3.612453495	6.692205464
GPM6A:CCDS54822.1	-0.578330335	6.912876814	6.69049148
GJB4:CCDS383.1	-0.802973091	-0.499504554	6.689239543
MAX:CCDS9774.1	-0.470643916	3.578640808	6.682600239
CEP250:CCDS13255.1	0.43197937	5.953458627	6.680051795
ANKHD1-EIF4EBP3:CCDS4224.1	0.456084287	6.260095772	6.679721228
PARP9:CCDS54633.1	-0.547173387	1.853979386	6.679069232
GNLY:CCDS46354.1	-0.786995628	-0.105020883	6.678857576
PGAM4:CCDS35338.1	-0.652425971	5.023791109	6.675785973
EEA1:CCDS31874.1	0.541912554	3.950301188	6.672298319
HELZ:CCDS42374.1	0.501049943	4.402650182	6.670729599
MGAT3:CCDS13994.2	-0.49876818	3.963384848	6.667509388
GUCA1A:CCDS4864.1	0.654694401	1.358826028	6.666809536
FCGR1B:CCDS30820.1	-0.905219141	-0.369245246	6.666261154
UCKL1:CCDS54479.1	-0.469051416	5.118884754	6.66453452
DYNLL2:CCDS11601.1	0.537883658	5.360013059	6.663537378
NOLC1:CCDS7530.1	0.48257192	6.530431229	6.660994302
SCAF11:CCDS8748.2	0.52772357	4.521899015	6.660283677
WDR20:CCDS9969.1	-0.419232822	3.550406729	6.660103395
EEPD1:CCDS34619.1	-0.507470067	3.177983577	6.659529518
CAMK2G:CCDS7336.1	-0.448744333	5.356880608	6.658424129
DICER1:CCDS55941.1	0.513713835	4.951318039	6.657829143
TMEM176B:CCDS47746.1	-0.678392419	1.633975713	6.655050794
LRRRC37A3:CCDS32708.1	0.36588819	4.064846425	6.653807882
EYA3:CCDS316.1	0.556820995	3.272435225	6.652258446
ERG:CCDS13658.1	-0.80262994	2.068628087	6.651373091
LRRTM4:CCDS46346.1	-0.53520047	2.153448047	6.650998216
CMPK2:CCDS42648.1	-0.663539567	1.51136818	6.650642777
MAN1A2:CCDS895.1	0.502423723	3.760923442	6.647928369
SPATA4:CCDS3826.1	-0.720141436	-0.248191209	6.647705554
NCOA4:CCDS44393.1	0.40012416	6.064736242	6.647128494
KIAA1045:CCDS43796.1	-0.728781253	2.247489337	6.646462634
ICAM4:CCDS42500.1	-0.713815626	-0.45280259	6.645808031
HOXB9:CCDS11534.1	-1.517770595	2.807886058	6.645731798
MRRF:CCDS55336.1	0.48342	2.660290464	6.645507
CYP2B6:CCDS12570.1	-0.61735767	0.582297714	6.644595773
TRPV4:CCDS53827.1	-0.609780562	1.9316822	6.641688222
MAP4:CCDS33750.1	0.437210589	7.948158548	6.640233983
GHRH:CCDS13292.1	-0.77827596	-0.278316473	6.639174872
PRC1:CCDS45352.1	0.520004653	5.04805301	6.638957405
CRIP2:CCDS10003.1	-0.821386796	6.752224711	6.636816704
TRPS1:CCDS6318.2	0.537368534	3.301069184	6.636550399
PLD5:CCDS1621.2	-0.524803444	1.690292896	6.635305925
ZNF653:CCDS12261.1	-0.401572848	3.779401505	6.633679435
SYNGR4:CCDS12717.1	-0.871294879	-0.301307813	6.633077641

TAUvsControls

BEX2:CCDS55467.1	-0.60933235	5.047920564	6.632315954
AHCYL2:CCDS47708.1	0.422738644	4.609051944	6.631718684
NCOA4:CCDS44394.1	0.399673421	6.062381346	6.631505587
MTSS1L:CCDS32476.1	-0.474651087	6.989360091	6.630929604
STAG2:CCDS43990.1	0.533274563	5.147194469	6.630180678
SLC16A8:CCDS13966.1	-0.665470114	0.572835298	6.629667527
FAM195A:CCDS10415.1	-0.694352223	3.167319118	6.629565605
ELP2:CCDS56067.1	0.398825191	5.156736375	6.627227674
ERG:CCDS13657.1	-0.801514092	1.995539485	6.626698826
SSX3:CCDS14291.1	-1.090848755	-0.428748849	6.62602761
FAM43B:CCDS209.1	-0.830437095	0.653200779	6.623732809
SAPCD2:CCDS7027.2	0.569616409	2.519941622	6.621625204
ZNHIT6:CCDS707.1	0.514935588	3.254787476	6.619949658
HBS1L:CCDS47480.1	0.507299188	2.995508866	6.618979378
BCL11A:CCDS46295.1	-0.87604098	4.395855358	6.617538894
TMEM91:CCDS46082.1	0.477287873	1.487795054	6.617068453
TP53:CCDS45605.1	0.745567439	6.530568603	6.616361563
OTP:CCDS4039.1	-0.917588614	1.757096612	6.615300042
HCN4:CCDS10248.1	-0.514985952	3.8239975	6.61373193
KIF1B:CCDS111.1	0.532070274	8.006890384	6.612514481
AHCYL2:CCDS47707.2	0.421481521	4.610150297	6.606743408
TP53:CCDS45606.1	0.745053346	6.530600122	6.603870071
NRP1:CCDS31180.1	0.508716159	4.859837615	6.603215479
NUF2:CCDS1245.1	0.585435502	2.722797463	6.599584818
NDUFA7:CCDS42492.1	-0.74642126	5.89112463	6.598973921
ANKHD1:CCDS4225.1	0.456771567	6.222641092	6.58977341
FAM134C:CCDS11432.1	0.420662093	4.865787753	6.584391168
SH2D3C:CCDS48028.1	-0.54920719	4.451282474	6.580047413
TMEM194B:CCDS46476.1	-0.763792352	1.836002767	6.579835464
S100A2:CCDS1044.1	-0.865105798	-0.793195025	6.575623231
RAB3GAP1:CCDS33294.1	0.392856757	5.356889557	6.575609558
RBM6:CCDS54586.1	0.463752335	5.577744729	6.574026316
CHD2:CCDS45356.1	0.566928713	4.012991968	6.573175175
SELPLG:CCDS31895.2	-0.577475459	0.598884002	6.571654424
CARHSP1:CCDS10537.1	-0.615820215	6.055267287	6.570406099
MYCN:CCDS1687.1	-0.729859395	4.549176115	6.568899487
TMEM91:CCDS46083.1	0.485206239	1.438290694	6.568414498
SLC25A4:CCDS34114.1	-0.770168999	5.598854163	6.5671665
TNNT1:CCDS12917.1	-1.089927069	3.815068918	6.56411187
KIRREL3:CCDS53723.1	-0.672407632	4.989182749	6.561454662
ADCK1:CCDS9869.1	0.398700352	3.820270008	6.55963841
AIDA:CCDS1533.1	0.403179177	4.255304927	6.557943146
KCNMB3:CCDS3226.1	-0.760846281	0.420452729	6.556805739
IKBIP:CCDS9067.1	-0.580117367	1.49249276	6.553202053
LAMA3:CCDS42419.1	-0.569259301	3.770511457	6.552715426
CBFB:CCDS45508.1	0.564264613	3.426367375	6.552053904
SH2D3C:CCDS48027.1	-0.493652764	4.883780058	6.549949386
MPHOSPH8:CCDS9287.1	0.487669879	4.680255017	6.549788455
INO80B:CCDS1942.2	-0.521722229	4.106893497	6.549783185
EGF:CCDS3689.1	-0.594725314	2.716070003	6.548890644
METAP1:CCDS47110.1	-0.377298994	3.841025595	6.548479547

TAUvsControls

LETM1:CCDS3355.1	0.400248877	5.473777485	6.54834568
GSR:CCDS34877.1	-0.418624686	5.290415231	6.547339893
FAIM:CCDS33864.1	-0.700740728	0.691894406	6.546436852
SPECC1:CCDS42280.1	0.479354585	4.382446972	6.538810078
MPP3:CCDS42344.1	-0.479247249	4.33214504	6.53628427
NCEH1:CCDS54681.1	-0.628526767	0.559758995	6.535384191
SHROOM4:CCDS35277.1	-0.514209162	2.609709832	6.533615446
GBF1:CCDS7533.1	0.381038854	7.200351485	6.532318264
MID1:CCDS14138.1	0.560496139	4.867698605	6.531767772
CTU1:CCDS12824.1	-0.727256101	1.604526475	6.531302693
GPR107:CCDS35162.1	0.52457989	4.938470795	6.526148675
GHRH:CCDS54460.1	-0.774136522	-0.291922076	6.52252158
PRC1:CCDS32334.1	0.513827653	5.095585476	6.519506518
SH2D3C:CCDS48026.1	-0.493360539	4.888681274	6.514944821
RPA3:CCDS5356.1	-0.611863262	3.113337741	6.514860912
KCNH3:CCDS8786.1	-0.620006493	3.064206196	6.510495479
SCGN:CCDS4561.1	-1.048158057	1.748492716	6.507921595
C8orf76:CCDS6341.1	-0.46128526	2.955982878	6.502943344
DMD:CCDS14233.1	-0.408561455	4.962824478	6.502422711
C9orf129:CCDS43850.1	-0.484713095	2.599668571	6.499460968
CKAP5:CCDS7924.1	0.513915656	7.604796951	6.498856127
LSM6:CCDS3767.1	-0.679889688	3.138160951	6.497656891
GPRASP1:CCDS35352.1	0.476375835	3.487531481	6.496377626
ARHGAP25:CCDS46312.1	-0.501750227	1.300411127	6.496213224
DDX58:CCDS6526.1	-0.485262869	2.182968732	6.495344905
GDE1:CCDS10578.1	-0.636520986	4.401481148	6.494979076
SYNGR1:CCDS13989.1	-0.582630602	3.763669756	6.492684722
ITGA9:CCDS2669.1	0.615748879	4.036765081	6.492307357
C1orf229:CCDS1630.1	-0.776108227	-0.498429368	6.48905173
RBM25:CCDS32113.1	0.489790547	5.360792914	6.488710506
HOXA3:CCDS5404.1	-1.063538937	2.413778242	6.487195883
ARHGAP25:CCDS54364.1	-0.502373688	1.307710344	6.48621901
SPECC1:CCDS45628.1	0.478775675	4.423106193	6.485924557
C16orf62:CCDS32397.2	0.348145051	6.014815162	6.484558735
AGER:CCDS56417.1	0.523382419	2.113716396	6.484288584
KLRC2:CCDS31745.1	-0.723840128	-0.238526747	6.481974176
OR8D2:CCDS31707.1	-1.166686816	-0.400788366	6.481321576
COMP:CCDS12385.1	-0.801802044	2.209659273	6.479542219
RAP2C:CCDS14632.1	0.534821375	2.454285197	6.478663022
DMD:CCDS55395.1	-0.408089419	4.963085606	6.477893738
CEP164:CCDS31683.1	0.374914921	5.185711384	6.477592716
MATN3:CCDS46226.1	-0.854539793	1.733868312	6.477430154
RAD23A:CCDS12289.1	-0.577979069	6.921899399	6.476669941
OSCAR:CCDS12876.1	-0.663298817	0.328947328	6.476282986
LAMC3:CCDS6938.1	0.875412594	4.107642695	6.4748603
ERCC4:CCDS32390.1	0.448045395	2.996032199	6.474443428
STAG2:CCDS14607.1	0.531883335	5.102295171	6.47434651
ADCK4:CCDS46081.1	0.471957541	5.239429438	6.472845097
MAP2K3:CCDS11217.1	-0.513980768	4.35999404	6.465923702
POU5F1B:CCDS55274.1	-0.832880721	0.319789855	6.465367487
TLL1:CCDS56342.1	-0.709998152	0.844039841	6.463326192

TAUvsControls

RPL41:CCDS44919.1	0.68419832	9.302247544	6.46322011
TXLNG:CCDS55373.1	0.493554248	3.021362938	6.461628407
LAMA3:CCDS45838.1	-0.560842318	3.74062085	6.459932601
GH1:CCDS42371.1	-0.937190432	-0.783610748	6.458120634
WIPI2:CCDS47532.1	-0.482318442	6.008086277	6.456604158
EPB41:CCDS53289.1	0.637186369	5.335567011	6.455583898
NUP155:CCDS3921.1	0.446984775	4.704506162	6.454758768
ANO6:CCDS31782.1	0.628331945	4.547693923	6.45310903
MBD3L5:CCDS45942.1	-0.747284385	-0.556205392	6.453088776
RFPL4A:CCDS46201.1	-1.038375252	-0.330788879	6.452715652
MAX:CCDS9772.1	-0.461105975	4.491414212	6.451477497
GRSF1:CCDS47070.1	0.375984634	4.858655615	6.449463652
GAD1:CCDS2240.1	-0.891859713	2.889770145	6.447743799
C2orf61:CCDS54356.1	-0.730736159	0.146019878	6.44537238
CKAP5:CCDS31477.1	0.512371279	7.653197548	6.444661993
C10orf25:CCDS31187.1	-0.786178482	-0.248403177	6.442646294
ZNF662:CCDS2708.1	-0.641369072	0.399103752	6.441442746
TRUB2:CCDS6897.1	-0.456112351	5.317941766	6.440492815
NET1:CCDS7067.1	0.448299079	4.512090786	6.440372243
TGFB1:CCDS33031.1	-0.684031913	4.421294524	6.439688077
HKDC1:CCDS7288.1	-0.716590883	2.133087195	6.436962532
PAFAH1B2:CCDS53713.1	0.61195739	4.25076869	6.436794145
WIPI2:CCDS34593.1	-0.479493621	6.014157064	6.435896251
ONECUT2:CCDS42440.1	-0.666213531	1.084370208	6.43320403
SSX7:CCDS14343.1	-1.222752208	0.00508739	6.431284107
SH2D3C:CCDS6877.1	-0.475447812	4.899241465	6.431261968
C4A:CCDS47404.1	-0.77324516	6.599284178	6.429970097
DCDC1:CCDS7872.1	-0.630999507	0.661590762	6.429915298
CYP21A2:CCDS4735.1	-0.527936943	1.299970356	6.429634751
CCAR1:CCDS7282.1	0.467954998	5.198925492	6.426686458
MBOAT7:CCDS54316.1	-0.473014394	5.083819551	6.425932059
SYNE2:CCDS45125.1	-0.55574106	4.683357733	6.425415577
LST1:CCDS54985.1	-0.8517729	0.341394039	6.422475969
DUSP13:CCDS31224.1	-0.847262768	0.819397864	6.421805569
HNRNPA3:CCDS2273.1	0.561485365	6.81969795	6.4174301
HSD11B1L:CCDS45931.1	-0.533877783	4.113466316	6.417179358
FAM209A:CCDS33493.1	-0.842029213	-0.820936019	6.414341228
IFLTD1:CCDS44848.1	-0.655268773	0.74743925	6.413684389
GNA11:CCDS12103.1	-0.554833544	5.857361163	6.411416202
GNAS:CCDS13471.1	-1.363912702	0.899779053	6.410100952
CEP152:CCDS42033.1	-0.589020744	3.262632501	6.409474398
WIPI2:CCDS47531.1	-0.479721605	6.029556608	6.406532385
MAX:CCDS41965.1	-0.466422938	4.425637441	6.40133956
NTSR1:CCDS13502.1	-0.91953497	1.657759859	6.401338088
TRABD:CCDS14086.1	-0.505311807	4.207358468	6.40107339
ELP2:CCDS56065.1	0.389770352	5.227145359	6.399430128
KIAA0319:CCDS34348.1	-0.855275317	3.15736133	6.398552355
GCG:CCDS46439.1	-1.128203571	-0.204247726	6.395317097
MKKS:CCDS13111.1	-0.460134789	3.115526	6.391030605
KRAS:CCDS8702.1	0.569976257	2.295637467	6.390723372
IPP:CCDS30702.1	0.460784701	2.555659108	6.390279326

TAUvsControls

POSTN:CCDS53864.1	-1.300737251	8.447043324	6.388038965
BEST1:CCDS31580.1	-0.458211096	2.279705963	6.387041692
HS3ST4:CCDS53995.1	-1.015737258	1.362590864	6.386642832
CRIP1:CCDS10004.1	1.164099823	2.242929237	6.386148635
ZNF257:CCDS46030.1	-0.596829493	0.742372773	6.386042319
WIPI2:CCDS5339.1	-0.476969645	6.035537656	6.385633356
ICT1:CCDS11711.1	-0.642580322	4.650809234	6.382008521
DLX5:CCDS5647.1	-0.873142818	1.976652079	6.381732261
IGF1:CCDS44961.1	-0.85132274	0.619051486	6.381043531
ZDHHC6:CCDS7574.1	-0.373808761	3.453819213	6.37810945
LIMCH1:CCDS54765.1	0.43132872	5.831034205	6.376642173
NUP155:CCDS43310.1	0.444939508	4.643329303	6.375988884
PARM1:CCDS47077.1	0.509091729	3.319296135	6.375848269
NOTUM:CCDS32771.2	-0.556638614	1.402164878	6.37400358
TMEM91:CCDS46084.1	0.486444984	1.396073296	6.371740193
RAB6B:CCDS3082.1	-0.482505968	6.125277295	6.369360001
GPR158:CCDS31166.1	-0.693647095	2.464893283	6.363922303
CA9:CCDS6585.1	-1.255070945	1.170733211	6.362356868
NT5E:CCDS5002.1	-0.953347766	2.73543026	6.362255723
LRRTM4:CCDS46347.1	-0.526770525	2.025636986	6.360560143
C19orf52:CCDS12252.1	-0.474510412	2.816823976	6.359677151
SLC2A11:CCDS33616.1	0.402544808	3.657481897	6.359431781
IFI44L:CCDS687.2	-0.671659041	1.244827663	6.357843028
KDM5A:CCDS41736.1	0.529080877	5.112638819	6.356514177
HS6ST3:CCDS9481.1	-0.683504806	2.161230305	6.35593212
KIAA0319:CCDS54969.1	-0.846472335	3.104461624	6.354856645
MSH5:CCDS34409.2	0.559733534	3.114994232	6.352224651
ZNF214:CCDS31418.1	-0.576464531	1.079531391	6.350602966
SYNPO2:CCDS34054.1	-0.74740769	3.002148214	6.350104047
SSC5D:CCDS46196.1	-0.661634222	4.071742577	6.348709781
MYBBP1A:CCDS11046.1	0.398626324	6.20706101	6.348245224
SYNDIG1L:CCDS41970.1	-1.160472397	0.817967856	6.34736658
LAMP5:CCDS56177.1	-0.9308219	5.033353393	6.34083105
TXNIP:CCDS913.1	0.626040153	7.593189231	6.339557335
ATP2C2:CCDS42207.1	-0.808691236	2.055389111	6.337885722
MAX:CCDS9771.1	-0.454290436	4.619731353	6.336245786
RASAL2:CCDS1322.1	0.411357866	4.58707124	6.335416674
SETMAR:CCDS2563.2	-0.420266778	3.024456952	6.331738605
PNISR:CCDS5043.1	0.540580571	4.957592136	6.331593764
GRIA3:CCDS14605.1	-0.913608676	2.868105898	6.331370721
APOA2:CCDS1226.1	-1.243330594	0.169759222	6.328222404
CAV1:CCDS55156.1	-0.713137054	1.519611388	6.326262773
MYEOV:CCDS8190.1	-0.586312274	0.512527637	6.325881227
SH2D3C:CCDS6878.1	-0.477577403	4.879019631	6.324906267
ELP2:CCDS56069.1	0.389147367	5.08168684	6.32429589
PMPCB:CCDS5730.1	0.476744272	5.095388177	6.320398022
SFT2D3:CCDS2149.1	-0.653313761	0.375936324	6.320334292
CDRT1:CCDS45619.1	-0.544107864	1.267167734	6.316845258
MRPL46:CCDS10341.1	-0.583600923	3.673328539	6.314979701
DDX39B:CCDS4697.1	0.584556168	8.224568227	6.314006916
IL17C:CCDS42217.1	-0.813565154	-0.480414088	6.311629657

TAUvsControls

PTRHD1:CCDS33156.1	0.590446198	4.364058623	6.311257721
TMEM62:CCDS32210.1	-0.429840714	2.78690462	6.310567865
DNAJB1:CCDS12312.1	-0.634762843	6.039346077	6.310079701
EMILIN1:CCDS1733.1	-0.963837812	5.983991728	6.306725119
C19orf77:CCDS45915.1	-1.170810575	-0.369280156	6.305136413
NDUFA4:CCDS5357.1	-0.928703138	7.573157554	6.303888482
KIAA0319:CCDS54970.1	-0.849214244	3.141645855	6.302921155
ZNF513:CCDS1751.1	-0.389031791	3.84085965	6.298791688
ANO6:CCDS44866.1	0.617654014	4.501212212	6.297603716
SDCBP2:CCDS13013.1	-0.647924124	1.516530017	6.294420838
C9orf135:CCDS35041.1	-0.876651041	-0.156439942	6.294369925
MAST4:CCDS47224.1	-0.608536816	0.927382708	6.293579789
GALNT14:CCDS1773.2	-0.74420985	3.315429452	6.289670166
SLC45A1:CCDS30577.1	-0.588864182	3.815224714	6.287997284
PPRC1:CCDS7529.1	0.376032795	5.454785488	6.287658001
HFM1:CCDS30769.2	-0.540512902	2.302047078	6.284611196
KIAA1407:CCDS2977.1	0.566420837	3.062252056	6.280621857
SCN4B:CCDS8389.1	-0.730243085	1.607596304	6.280353113
PDE6H:CCDS8672.1	-1.366708176	1.150897574	6.279998385
CADM4:CCDS12627.1	-0.580772029	7.543227768	6.279767803
AJAP1:CCDS54.1	-0.587826831	1.41463758	6.276446918
CHD7:CCDS47865.1	0.774441036	6.892793235	6.274262089
ZNF821:CCDS56006.1	-0.441732428	4.811157547	6.273105883
TRAF3IP3:CCDS1490.2	-0.613658205	1.361076216	6.268153083
PIPOX:CCDS11248.1	-0.567811239	3.2407156	6.267401438
POSTN:CCDS45034.1	-1.281495248	8.45496536	6.26620283
ACOT1:CCDS32117.1	-0.66225792	1.781382226	6.265167352
DOCK8:CCDS55283.1	-1.068203517	3.018084759	6.264181607
CLIC6:CCDS13638.1	-0.560609967	2.010956455	6.26163697
IL32:CCDS32377.1	-0.925270176	2.059544095	6.260507946
C9orf43:CCDS6796.1	-0.984889907	0.890386987	6.257225966
PYGM:CCDS53659.1	-0.559683475	2.822001258	6.257107793
C10orf12:CCDS7452.1	0.473241436	2.799217715	6.256695706
HCN1:CCDS3952.1	-0.569455139	2.577684181	6.256081536
ELP2:CCDS56068.1	0.396774637	5.025030064	6.255140851
ODF2:CCDS56585.1	0.516270776	5.764579457	6.251499946
RNF24:CCDS46577.1	0.562617199	2.953715945	6.251104339
PPP1R1B:CCDS11340.1	-0.955364608	2.11655352	6.246517198
ANTXR1:CCDS1892.1	0.587337352	5.442034296	6.245313395
DYRK1A:CCDS13654.1	0.472663177	3.820545678	6.2442486
EEF1A2:CCDS13522.1	-0.720367723	8.834595576	6.243160858
FAM168A:CCDS41689.1	-0.411929167	4.920569389	6.243106902
PDE8B:CCDS34192.1	-0.700860961	2.177887498	6.241965639
ERCC6L:CCDS35329.1	-0.496861063	2.129692452	6.239751825
ZNF610:CCDS12851.1	0.555900802	2.476037121	6.239351344
SPTBN1:CCDS33199.1	0.500031387	9.055356889	6.239137648
TFR2:CCDS34707.1	-0.467624321	2.161012291	6.238673419
GPR150:CCDS4074.1	-0.675568535	-0.089338563	6.238467371
CHSY3:CCDS34223.1	-0.794250133	2.645291368	6.238131261
NAB1:CCDS2307.1	-0.38854667	4.066794232	6.236660447
NEK5:CCDS31979.1	-0.534630199	1.4214766	6.236136762

TAUvsControls

CYP26C1:CCDS7425.1	1.345084604	2.225146246	6.236070731
MRPL11:CCDS8140.1	0.671971999	4.761384304	6.23538066
RSF1:CCDS8253.1	0.453985285	5.230266666	6.234339885
GPR61:CCDS801.1	-0.532276883	1.087837402	6.232922559
SIPA1L2:CCDS41474.1	0.497743155	6.481576398	6.230920941
GPR107:CCDS48042.1	0.517098971	4.988419273	6.230605084
TMCC2:CCDS30984.1	-0.53965495	4.75416953	6.230291567
GIGYF2:CCDS46543.1	0.469307279	5.855936453	6.22959685
TSHZ3:CCDS12421.2	-0.406956227	3.998819711	6.228397463
ZNF610:CCDS54309.1	0.576131414	2.306282255	6.228121552
TSR1:CCDS32525.1	0.386896347	5.087787662	6.227410683
SMPD4:CCDS54398.1	-0.648879912	6.841437796	6.227294829
NCSTN:CCDS1203.1	0.353459485	7.077758371	6.22578773
SH2D7:CCDS45315.1	-0.538097805	0.765602439	6.225140232
ADCK4:CCDS12562.1	0.463411155	5.395990559	6.224545402
CXorf38:CCDS14253.1	0.606817564	2.122818431	6.224429614
EIF2AK4:CCDS42016.1	0.433469266	5.678795059	6.221345465
ANO6:CCDS55819.1	0.615952171	4.60098348	6.220169108
TNKS1BP1:CCDS7951.1	0.401728617	6.662933755	6.216157923
DLGAP1:CCDS56051.1	-0.556768884	3.850599305	6.214472966
CBFB:CCDS10827.1	0.544980466	3.433972818	6.213563175
PTPRK:CCDS5137.1	0.483573107	5.228478593	6.211893889
NIPSNAP3A:CCDS6760.1	-0.607154504	2.412356903	6.210529798
EGF:CCDS54795.1	-0.580441457	2.65000647	6.208593627
EIF1AX:CCDS14196.1	-0.434099214	3.862989219	6.205938026
PPIL4:CCDS34550.1	0.429999416	4.091012712	6.20527591
RASL11B:CCDS3490.1	-0.623956044	3.079090113	6.204729082
LRBA:CCDS3773.1	0.427834548	5.151864502	6.204173222
AHSG:CCDS3278.1	-0.801356278	0.808800923	6.203066374
CYB5A:CCDS12004.1	-0.518181958	3.690556501	6.202775267
GIGYF2:CCDS33401.1	0.467733163	5.86071012	6.202083849
CAPZA3:CCDS8681.1	-1.133184894	0.202198903	6.201942689
GAB2:CCDS8260.1	0.439049174	4.763362431	6.200794205
PRR7:CCDS4419.1	-0.603118442	2.845768189	6.195564809
CACNG1:CCDS11668.1	-0.917883158	0.952800489	6.195432772
IGF2BP3:CCDS5382.1	0.621288136	4.670812749	6.194532631
MAPK13:CCDS4818.1	-0.539562266	1.227538117	6.194504802
ANO6:CCDS44865.1	0.610814585	4.471523797	6.193781124
SPTBN1:CCDS33198.1	0.496484781	9.226876029	6.191656807
ADCY5:CCDS3022.1	-0.585255089	5.4743977	6.190650826
LRRRC4B:CCDS42595.1	-0.524093939	6.901309915	6.187740933
PIK3C3:CCDS11920.1	0.40310842	4.344359804	6.187573696
SMPD4:CCDS42751.1	-0.649936688	7.024144593	6.1874534
IL32:CCDS45394.1	-0.918200529	1.874786772	6.186331471
GAB2:CCDS8259.1	0.437406392	4.812193982	6.182093714
CCRN4L:CCDS3743.1	-0.49536581	2.565540334	6.182042052
PTPRK:CCDS47473.1	0.483175555	5.243267421	6.181426057
SYT10:CCDS8732.1	-0.753616173	0.794361758	6.17677405
POSTN:CCDS9364.1	-1.278543962	8.554923294	6.176463311
DLGAP1:CCDS56050.1	-0.548913953	3.873872526	6.175855806
DLG2:CCDS44692.1	-0.85162459	2.247411348	6.175047578

TAUvsControls

ACN9:CCDS5648.1	-0.503632063	1.36846423	6.174350339
IQGAP2:CCDS34188.1	0.451322491	4.451516147	6.173076024
FZR1:CCDS45917.1	-0.473890089	6.243747352	6.171700218
S100G:CCDS14176.1	0.743345336	0.504613354	6.170955935
CFHR1:CCDS1386.1	-0.684525325	0.933968044	6.170047524
DLGAP1:CCDS56052.1	-0.561377757	3.805372531	6.16814509
PHYH:CCDS7097.1	0.424286655	4.168924255	6.168062666
DNMT3A:CCDS33157.1	0.527994603	5.820151383	6.16559916
SLCO3A1:CCDS45354.1	-0.476122997	4.345609886	6.165180268
DNAJB6:CCDS5946.1	-0.416864205	5.513165371	6.165068782
FSTL3:CCDS12040.1	-0.543321947	1.568575343	6.163560652
NKAIN2:CCDS34526.1	-0.561868519	1.455724739	6.163374131
SNX10:CCDS56470.1	0.814068148	2.423534544	6.162825929
SVOPL:CCDS5848.1	-0.798720345	0.449509957	6.160842229
LZTS1:CCDS6015.1	-0.519071561	4.265285071	6.158901429
CACNB3:CCDS55821.1	-0.554182499	6.192928471	6.158543381
SMPD4:CCDS2156.2	-0.649060892	6.966113559	6.158268401
PCLO:CCDS47631.1	0.443426348	5.604355188	6.157606849
SIDT1:CCDS2974.1	-0.563659689	1.786064996	6.157467233
LAMP5:CCDS13106.1	-0.909670242	5.191616956	6.15662012
GPSM1:CCDS48056.1	-0.584884556	3.581944433	6.154437335
ZMYM4:CCDS389.1	0.440314755	5.700983987	6.153012255
AK1:CCDS6881.1	-0.589078924	5.917017829	6.151866173
THY1:CCDS8424.1	-0.74163861	5.27921694	6.150167766
KIAA1429:CCDS34923.1	0.428985337	5.073495918	6.149125244
NET1:CCDS41483.1	0.432780959	4.525976253	6.148741763
IPP:CCDS44132.1	0.444646794	2.547254758	6.146972033
DCDC2:CCDS4550.1	-0.512699622	1.083353484	6.143678063
HYAL1:CCDS46833.1	-0.630034795	-0.172510229	6.142287756
MRPL11:CCDS44655.1	0.685399034	4.814358385	6.139971466
DMKN:CCDS46051.1	-0.640555528	3.034541112	6.137725065
HIST1H4H:CCDS4604.1	1.080570355	0.915329694	6.137182894
GIGYF2:CCDS46542.1	0.467463353	5.886459394	6.136969672
GPC4:CCDS14637.1	0.695465898	6.480838502	6.135660582
FAIM:CCDS33865.1	-0.692781673	0.669978115	6.135615319
GP1BB:CCDS42980.1	-0.814326197	2.120730912	6.135542618
KIF21A:CCDS53776.1	0.546114994	6.414350165	6.134283118
MRPS34:CCDS10444.1	-0.625456215	4.927737218	6.133359068
GPSM2:CCDS792.2	0.426114198	3.465111417	6.132510438
RBPJ:CCDS33969.1	0.45493299	4.901601392	6.132365961
COL28A1:CCDS43553.1	-0.711083424	2.177950228	6.125010375
BSN:CCDS2800.1	-0.484978417	6.05371832	6.124866543
PAK7:CCDS13107.1	-0.553626029	3.947593164	6.123603647
BARX2:CCDS8481.1	-0.798657152	0.119432538	6.122515983
RPGRIP1:CCDS45080.1	-0.751359293	2.368025868	6.12104243
RBPJ:CCDS3436.1	0.451836206	4.857472148	6.115025037
DEF8:CCDS45555.1	-0.916067944	6.330444241	6.114067121
BAZ2A:CCDS44924.1	0.582031729	6.771890458	6.111688628
PARP9:CCDS54634.1	-0.517719707	2.039210583	6.108310087
AMY1B:CCDS30783.1	-0.670460154	1.119771982	6.108145619
HDAC8:CCDS55450.1	-0.445454954	2.239941497	6.107918375

TAUvsControls

GPR123:CCDS41580.1	-0.686242418	2.788441116	6.100039083
OR4C16:CCDS31502.1	-1.117459227	-0.613629138	6.089532388
MT1E:CCDS10764.2	-0.87146042	-0.017890803	6.089498899
STAT2:CCDS55836.1	0.501151078	5.371871127	6.08560234
SLC2A11:CCDS46673.1	0.397950515	3.626317115	6.085009859
ARFGAP2:CCDS7926.1	0.409053316	6.711558803	6.084490563
SHISA3:CCDS33979.1	-1.0292045	0.491622366	6.083275353
GRM8:CCDS5794.1	-0.486606754	2.757779955	6.083237067
CYP46A1:CCDS9954.1	-0.698609764	4.031184557	6.083088479
ANTXR1:CCDS46314.1	0.63244841	4.737935749	6.082443903
DMD:CCDS14231.1	-0.446562228	3.831920941	6.081707721
RPUSD3:CCDS46744.1	0.381163959	4.48908484	6.078087971
MIF:CCDS13819.1	-0.795405492	7.991295583	6.072861309
PMAIP1:CCDS11975.1	-0.78327389	0.591847651	6.07218461
KIF21A:CCDS31773.1	0.544594742	6.400509824	6.071797707
TSTD1:CCDS44258.1	-0.899602584	0.626691644	6.069499981
LHFPL5:CCDS4812.1	-0.64245482	-0.254605748	6.069429277
SERPIND1:CCDS13783.1	-0.624910749	3.048009681	6.069323661
CACNB3:CCDS55822.1	-0.54949747	6.201883386	6.06849351
MAP1LC3B2:CCDS41841.1	-0.574575381	2.283160241	6.068449889
BEST1:CCDS44623.1	-0.4552409	2.1340353	6.066073711
ANKH:CCDS3885.1	-0.548624495	4.867149604	6.064071922
MAN1A1:CCDS5122.1	-0.593292427	3.19849803	6.063063851
DHRS11:CCDS11315.2	0.593756836	3.169498489	6.057212495
SEPN1:CCDS41282.1	0.448440068	7.008133009	6.056761784
NLRP3:CCDS44346.1	-0.574908464	2.27762994	6.055883563
AKAP2:CCDS48003.1	0.556634073	4.328215964	6.055690326
ABI2:CCDS2358.1	0.446186643	5.774841415	6.055069423
PRCC:CCDS1157.1	-0.476149318	6.151391004	6.054866244
MORN1:CCDS40.1	0.472510333	3.108100109	6.054482797
VEPH1:CCDS54662.1	-0.499329635	2.417234317	6.051605062
SEPT11:CCDS34018.1	0.438216292	5.987547127	6.050176788
PITPNM1:CCDS31620.1	-0.439765397	7.094732921	6.047284353
PDZD11:CCDS14400.1	0.481550209	5.000822419	6.046457806
SYF2:CCDS259.1	0.503790735	4.451772063	6.046193256
MRPL11:CCDS8139.1	0.676769674	4.852903193	6.044133714
CAMKK1:CCDS11039.1	-0.522616208	3.282934334	6.043584228
SLC24A3:CCDS13140.1	-0.647847639	3.767428491	6.042167504
ARHGAP15:CCDS2184.1	-0.617725945	1.280290005	6.041744559
PITPNM1:CCDS44659.1	-0.439561868	7.094471036	6.039991194
DOCK8:CCDS55284.1	-1.055229176	2.984984883	6.039960823
ERBB2IP:CCDS3990.1	0.438099878	4.874395477	6.039724535
ELOVL5:CCDS56434.1	0.63356674	1.201036932	6.039077577
TTLL10:CCDS44036.1	-0.558203027	1.443985604	6.037229294
XPNPEP3:CCDS14007.1	0.583559525	2.905290452	6.035963065
CACNB3:CCDS55823.1	-0.540976487	6.072039418	6.034631269
UBE2L6:CCDS7960.1	-0.695861942	5.727492689	6.032403161
CLSPN:CCDS396.1	0.687007927	4.379145172	6.032202693
C8orf82:CCDS34970.1	-0.501201426	2.905543072	6.031705279
DIAPH3:CCDS41898.1	-0.558439785	3.073416624	6.031048802
C3orf58:CCDS46929.1	0.658935566	1.720794305	6.029633383

TAUvsControls

PTX3:CCDS3180.1	-0.77357721	4.918629589	6.029447124
DLK1:CCDS9963.1	0.884913651	7.326974568	6.029301258
QPCTL:CCDS54282.1	-0.453082213	3.480712137	6.029147343
C2orf80:CCDS42809.1	-0.525801927	2.304041359	6.0279257
RBPJ:CCDS3437.1	0.448969864	4.859773447	6.025251677
BRWD3:CCDS14447.1	0.459441046	3.74869115	6.023838458
GTF3C3:CCDS2316.1	0.433294455	4.554190617	6.023703511
CCDC6:CCDS7257.1	0.520789381	4.705563247	6.023636918
ABCA8:CCDS11680.1	0.815919138	3.43613219	6.01984047
TEPP:CCDS45496.1	0.578148696	0.63512216	6.018230024
DSN1:CCDS13286.1	0.591455226	2.665969725	6.017827774
ORM2:CCDS6804.1	-0.7600144	-0.601784515	6.015802556
PTCD3:CCDS33235.1	0.423391735	4.507502351	6.014728684
ZNF488:CCDS7217.1	-0.539964783	1.122601106	6.011730534
CHST6:CCDS10918.1	-0.60972473	0.794903013	6.010747681

TAUvsControls

PValue	FDR
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4.54782E-08	7.41293E-07
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1.59105E-39	4.08088E-35
4.97173E-25	5.88516E-21
6.88349E-25	5.88516E-21
8.12359E-24	5.20905E-20
3.68862E-23	1.89219E-19
1.22048E-22	5.21733E-19
1.43845E-22	5.27068E-19
1.99313E-22	6.39021E-19
4.49365E-22	1.28064E-18
5.91902E-22	1.51817E-18
9.81174E-22	2.28783E-18
1.51457E-21	3.23727E-18
1.68468E-21	3.32386E-18
3.67713E-21	6.42678E-18
3.7585E-21	6.42678E-18
9.04743E-21	1.45036E-17
1.76582E-20	2.66421E-17
4.2812E-20	6.10048E-17
4.94894E-20	6.68081E-17
2.0169E-19	2.58658E-16
2.82764E-19	3.45362E-16
3.10387E-19	3.61869E-16
3.60318E-19	3.9515E-16
3.69745E-19	3.9515E-16
4.83012E-19	4.95551E-16
5.57213E-19	5.4969E-16
6.02522E-19	5.72373E-16
8.75544E-19	8.02029E-16
1.42352E-18	1.25903E-15
1.96842E-18	1.68294E-15
2.22182E-18	1.8383E-15
2.62443E-18	2.10356E-15
3.1555E-18	2.45259E-15
3.29438E-18	2.48523E-15
3.43688E-18	2.51864E-15
4.20942E-18	2.99909E-15
4.52898E-18	3.13956E-15
6.99822E-18	4.72361E-15
1.38013E-17	9.07666E-15
1.65384E-17	1.06049E-14
1.73139E-17	1.08313E-14
1.94098E-17	1.14381E-14
1.94753E-17	1.14381E-14
1.96217E-17	1.14381E-14
2.56743E-17	1.44693E-14
2.59498E-17	1.44693E-14
2.69182E-17	1.46899E-14

TAUvsControls

2.92716E-17	1.55477E-14
2.97025E-17	1.55477E-14
3.17999E-17	1.63127E-14
4.77873E-17	2.40333E-14
6.22068E-17	3.06835E-14
6.67005E-17	3.22793E-14
7.1391E-17	3.36427E-14
7.21411E-17	3.36427E-14
8.33718E-17	3.81858E-14
8.61988E-17	3.84166E-14
8.68713E-17	3.84166E-14
9.78138E-17	4.18551E-14
9.79106E-17	4.18551E-14
1.06423E-16	4.47482E-14
1.12229E-16	4.64282E-14
1.14539E-16	4.66321E-14
1.38613E-16	5.55514E-14
1.4747E-16	5.81917E-14
2.1639E-16	8.40939E-14
2.22919E-16	8.53382E-14
2.75283E-16	1.01708E-13
2.75283E-16	1.01708E-13
2.77576E-16	1.01708E-13
3.23027E-16	1.16695E-13
3.37722E-16	1.19392E-13
3.39802E-16	1.19392E-13
3.86592E-16	1.3376E-13
3.94258E-16	1.3376E-13
3.96341E-16	1.3376E-13
4.14301E-16	1.38005E-13
4.42424E-16	1.45484E-13
4.59617E-16	1.49224E-13
4.85407E-16	1.55627E-13
4.93488E-16	1.56265E-13
5.00808E-16	1.56649E-13
5.22096E-16	1.6134E-13
5.33354E-16	1.62857E-13
6.42742E-16	1.93949E-13
6.74014E-16	2.01021E-13
6.92418E-16	2.04136E-13
8.49439E-16	2.47583E-13
8.76342E-16	2.52554E-13
1.12053E-15	3.19338E-13
1.72073E-15	4.85E-13
1.82026E-15	5.07477E-13
1.9144E-15	5.27983E-13
1.99941E-15	5.45561E-13
2.13978E-15	5.77717E-13
2.39264E-15	6.3926E-13
2.52172E-15	6.60311E-13
2.52292E-15	6.60311E-13

TAUvsControls

2.99312E-15	7.75461E-13
3.50328E-15	8.98555E-13
3.83294E-15	9.73378E-13
4.02146E-15	1.01124E-12
4.16644E-15	1.02854E-12
4.17046E-15	1.02854E-12
4.29458E-15	1.04906E-12
4.56836E-15	1.10541E-12
6.12226E-15	1.46757E-12
7.01641E-15	1.66633E-12
7.28712E-15	1.71475E-12
9.25075E-15	2.15702E-12
9.77814E-15	2.25946E-12
9.94382E-15	2.27722E-12
1.00476E-14	2.28062E-12
1.07432E-14	2.41712E-12
1.1682E-14	2.57171E-12
1.16849E-14	2.57171E-12
1.17311E-14	2.57171E-12
1.19285E-14	2.59283E-12
1.31438E-14	2.83299E-12
1.35314E-14	2.89223E-12
1.43747E-14	3.04709E-12
1.49706E-14	3.12489E-12
1.49854E-14	3.12489E-12
1.60233E-14	3.31438E-12
1.65631E-14	3.39862E-12
1.68377E-14	3.42754E-12
1.79033E-14	3.59773E-12
1.79543E-14	3.59773E-12
1.90433E-14	3.7775E-12
1.9146E-14	3.7775E-12
1.9789E-14	3.87457E-12
2.19423E-14	4.26362E-12
2.22311E-14	4.28727E-12
2.28743E-14	4.37838E-12
2.35658E-14	4.47732E-12
2.50523E-14	4.72475E-12
2.53561E-14	4.74715E-12
2.64407E-14	4.91434E-12
2.95541E-14	5.45347E-12
3.14448E-14	5.76091E-12
3.33019E-14	6.05788E-12
3.42104E-14	6.17931E-12
3.48369E-14	6.24847E-12
3.5165E-14	6.26352E-12
3.65234E-14	6.46062E-12
4.13665E-14	7.21777E-12
4.13666E-14	7.21777E-12
4.16581E-14	7.21952E-12
4.82918E-14	8.19838E-12

TAUvsControls

4.84962E-14	8.19838E-12
4.85669E-14	8.19838E-12
4.85849E-14	8.19838E-12
4.91397E-14	8.2378E-12
5.03803E-14	8.39093E-12
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5.21483E-14	8.57406E-12
5.48451E-14	8.96002E-12
5.57001E-14	8.98582E-12
5.57038E-14	8.98582E-12
5.87598E-14	9.41956E-12
5.96195E-14	9.49801E-12
6.38386E-14	1.0002E-11
6.39396E-14	1.0002E-11
6.39529E-14	1.0002E-11
6.65943E-14	1.0352E-11
7.84907E-14	1.21278E-11
7.94359E-14	1.22003E-11
8.40829E-14	1.27351E-11
8.42823E-14	1.27351E-11
8.44073E-14	1.27351E-11
8.58386E-14	1.28753E-11
8.77238E-14	1.30816E-11
9.19459E-14	1.36319E-11
9.40212E-14	1.38595E-11
9.75731E-14	1.43009E-11
1.0223E-13	1.48983E-11
1.07555E-13	1.5505E-11
1.07602E-13	1.5505E-11
1.08938E-13	1.55364E-11
1.09031E-13	1.55364E-11
1.16302E-13	1.64808E-11
1.20003E-13	1.68534E-11
1.20246E-13	1.68534E-11
1.25272E-13	1.74626E-11
1.26547E-13	1.75449E-11
1.27704E-13	1.76101E-11
1.30846E-13	1.78933E-11
1.31153E-13	1.78933E-11
1.39906E-13	1.89865E-11
1.4517E-13	1.95972E-11
1.48069E-13	1.97831E-11
1.4809E-13	1.97831E-11
1.52533E-13	2.01444E-11
1.53027E-13	2.01444E-11
1.5315E-13	2.01444E-11
1.55233E-13	2.03141E-11
1.58329E-13	2.06142E-11
1.63574E-13	2.11895E-11
1.68358E-13	2.16996E-11
1.69591E-13	2.17492E-11

TAUvsControls

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1.92372E-13	2.43061E-11
2.01808E-13	2.53734E-11
2.06838E-13	2.5879E-11
2.08345E-13	2.59409E-11
2.13349E-13	2.63539E-11
2.14715E-13	2.63539E-11
2.14744E-13	2.63539E-11
2.16625E-13	2.64582E-11
2.19923E-13	2.67337E-11
2.2617E-13	2.70903E-11
2.26439E-13	2.70903E-11
2.26703E-13	2.70903E-11
2.27082E-13	2.70903E-11
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2.33997E-13	2.7658E-11
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2.55655E-13	2.98091E-11
2.55683E-13	2.98091E-11
2.63081E-13	3.05329E-11
2.77382E-13	3.20476E-11
2.83183E-13	3.25712E-11
2.90225E-13	3.29214E-11
2.90327E-13	3.29214E-11
2.90425E-13	3.29214E-11
2.92763E-13	3.29214E-11
2.932E-13	3.29214E-11
2.93929E-13	3.29214E-11
2.95468E-13	3.29499E-11
2.97679E-13	3.30527E-11
3.05194E-13	3.3741E-11
3.0957E-13	3.4078E-11
3.13866E-13	3.44032E-11
3.18541E-13	3.47227E-11
3.19489E-13	3.47227E-11
3.32009E-13	3.59312E-11
3.47447E-13	3.7444E-11
3.50995E-13	3.7668E-11
3.52514E-13	3.76735E-11
3.54198E-13	3.76963E-11
3.62624E-13	3.84337E-11
3.72141E-13	3.928E-11
3.74982E-13	3.94177E-11
4.51264E-13	4.72427E-11
4.72402E-13	4.92547E-11
4.89684E-13	5.08498E-11
5.02514E-13	5.19717E-11
5.08643E-13	5.23943E-11
5.14618E-13	5.27977E-11
5.23176E-13	5.34619E-11

TAUvsControls

5.30634E-13	5.40089E-11
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5.50137E-13	5.5553E-11
5.80903E-13	5.84297E-11
5.89164E-13	5.90291E-11
5.94774E-13	5.93594E-11
6.18985E-13	6.12219E-11
6.19774E-13	6.12219E-11
6.20598E-13	6.12219E-11
6.38624E-13	6.27589E-11
6.44321E-13	6.30771E-11
6.5151E-13	6.35383E-11
6.55089E-13	6.36453E-11
6.79095E-13	6.57287E-11
6.86878E-13	6.62321E-11
6.97367E-13	6.69916E-11
7.01078E-13	6.70969E-11
7.26796E-13	6.92996E-11
7.33856E-13	6.95681E-11
7.35666E-13	6.95681E-11
7.37749E-13	6.95681E-11
7.54767E-13	7.09122E-11
7.70467E-13	7.2123E-11
7.81596E-13	7.28987E-11
7.84681E-13	7.29214E-11
8.0128E-13	7.41951E-11
8.17073E-13	7.53853E-11
8.23315E-13	7.56889E-11
8.35328E-13	7.65191E-11
8.42851E-13	7.69334E-11
8.57238E-13	7.79692E-11
8.71299E-13	7.88221E-11
8.73093E-13	7.88221E-11
8.75835E-13	7.88221E-11
8.79997E-13	7.89178E-11
8.83052E-13	7.89178E-11
9.28011E-13	8.26478E-11
1.0263E-12	9.10021E-11
1.02891E-12	9.10021E-11
1.04506E-12	9.21123E-11
1.06885E-12	9.38866E-11
1.08826E-12	9.51828E-11
1.09103E-12	9.51828E-11
1.11489E-12	9.69348E-11
1.1276E-12	9.7709E-11
1.19103E-12	1.02683E-10
1.19301E-12	1.02683E-10
1.33096E-12	1.14173E-10
1.3636E-12	1.16583E-10
1.39381E-12	1.1877E-10
1.4549E-12	1.23565E-10

TAUvsControls

1.49611E-12	1.26646E-10
1.53713E-12	1.2969E-10
1.58043E-12	1.32906E-10
1.65984E-12	1.39128E-10
1.67273E-12	1.39752E-10
1.68098E-12	1.39985E-10
1.70683E-12	1.41678E-10
1.73607E-12	1.4364E-10
1.76922E-12	1.45912E-10
1.84127E-12	1.51368E-10
1.86627E-12	1.52933E-10
1.89178E-12	1.54529E-10
1.90492E-12	1.55109E-10
1.92111E-12	1.55932E-10
1.99425E-12	1.61152E-10
2.00097E-12	1.61152E-10
2.00525E-12	1.61152E-10
2.01055E-12	1.61152E-10
2.07073E-12	1.65459E-10
2.1039E-12	1.67587E-10
2.27616E-12	1.80747E-10
2.30927E-12	1.8281E-10
2.38337E-12	1.88095E-10
2.41234E-12	1.89798E-10
2.43671E-12	1.91129E-10
2.48028E-12	1.93953E-10
2.52624E-12	1.96464E-10
2.5277E-12	1.96464E-10
2.62457E-12	2.03377E-10
2.67971E-12	2.07024E-10
2.7027E-12	2.07642E-10
2.7039E-12	2.07642E-10
2.75265E-12	2.10754E-10
2.80951E-12	2.14467E-10
2.8238E-12	2.14919E-10
2.8977E-12	2.19891E-10
2.94386E-12	2.22735E-10
2.95767E-12	2.22912E-10
2.96358E-12	2.22912E-10
3.0073E-12	2.25539E-10
3.02721E-12	2.2637E-10
3.12373E-12	2.32909E-10
3.21483E-12	2.39006E-10
3.28693E-12	2.4366E-10
3.35272E-12	2.47821E-10
3.49024E-12	2.57245E-10
3.55863E-12	2.61534E-10
3.58875E-12	2.62994E-10
3.70248E-12	2.70556E-10
3.76921E-12	2.7434E-10
3.77852E-12	2.7434E-10

TAUvsControls

3.78636E-12	2.7434E-10
3.79986E-12	2.74543E-10
3.87359E-12	2.78429E-10
3.87536E-12	2.78429E-10
3.9406E-12	2.82325E-10
4.24202E-12	3.03074E-10
4.45978E-12	3.17747E-10
4.55586E-12	3.23693E-10
4.60737E-12	3.26449E-10
4.63052E-12	3.27185E-10
4.80057E-12	3.38269E-10
4.83089E-12	3.39473E-10
4.91326E-12	3.44318E-10
5.08472E-12	3.55363E-10
5.31734E-12	3.7061E-10
5.48336E-12	3.81145E-10
5.67189E-12	3.93184E-10
5.72166E-12	3.9517E-10
5.73135E-12	3.9517E-10
5.76029E-12	3.96101E-10
5.8323E-12	3.99981E-10
5.85246E-12	4.00293E-10
6.17895E-12	4.215E-10
6.26591E-12	4.26298E-10
6.41185E-12	4.35073E-10
6.48338E-12	4.38766E-10
6.51634E-12	4.39836E-10
6.59547E-12	4.44009E-10
6.83342E-12	4.58823E-10
6.91443E-12	4.62121E-10
6.91858E-12	4.62121E-10
7.35194E-12	4.89792E-10
7.58006E-12	5.03681E-10
7.71274E-12	5.11173E-10
7.75623E-12	5.12705E-10
7.80351E-12	5.12705E-10
7.80983E-12	5.12705E-10
7.81581E-12	5.12705E-10
8.14237E-12	5.32764E-10
8.16711E-12	5.33023E-10
8.25494E-12	5.37211E-10
8.27316E-12	5.37211E-10
8.44837E-12	5.45164E-10
8.46595E-12	5.45164E-10
8.4685E-12	5.45164E-10
8.48065E-12	5.45164E-10
8.52869E-12	5.46709E-10
8.54732E-12	5.46709E-10
8.85518E-12	5.64991E-10
9.50056E-12	6.04665E-10
9.55832E-12	6.06835E-10

TAUvsControls

9.59875E-12	6.07897E-10
9.71332E-12	6.13638E-10
1.02578E-11	6.46443E-10
1.0295E-11	6.47195E-10
1.04198E-11	6.53222E-10
1.04418E-11	6.53222E-10
1.04981E-11	6.55149E-10
1.06919E-11	6.65621E-10
1.08384E-11	6.73106E-10
1.08651E-11	6.73138E-10
1.09123E-11	6.74432E-10
1.11777E-11	6.89057E-10
1.12027E-11	6.89057E-10
1.13669E-11	6.96587E-10
1.13794E-11	6.96587E-10
1.14575E-11	6.99696E-10
1.1707E-11	7.13238E-10
1.17402E-11	7.13567E-10
1.18369E-11	7.17743E-10
1.1921E-11	7.21133E-10
1.24972E-11	7.54214E-10
1.26309E-11	7.60495E-10
1.27327E-11	7.64227E-10
1.27525E-11	7.64227E-10
1.28656E-11	7.69109E-10
1.2894E-11	7.69109E-10
1.31142E-11	7.80431E-10
1.32654E-11	7.876E-10
1.34905E-11	7.99119E-10
1.35238E-11	7.99246E-10
1.39788E-11	8.24235E-10
1.43652E-11	8.45078E-10
1.52245E-11	8.9358E-10
1.53197E-11	8.9711E-10
1.54779E-11	9.04312E-10
1.56093E-11	9.09916E-10
1.59679E-11	9.28709E-10
1.61723E-11	9.37543E-10
1.61929E-11	9.37543E-10
1.68755E-11	9.73663E-10
1.68927E-11	9.73663E-10
1.69786E-11	9.7495E-10
1.6991E-11	9.7495E-10
1.70379E-11	9.7546E-10
1.71037E-11	9.77043E-10
1.74669E-11	9.95572E-10
1.76515E-11	1.00386E-09
1.77782E-11	1.00884E-09
1.78557E-11	1.011E-09
1.79072E-11	1.01168E-09
1.81167E-11	1.02126E-09

TAUvsControls

1.83489E-11	1.03209E-09
1.8461E-11	1.03612E-09
1.85789E-11	1.04046E-09
1.867E-11	1.04328E-09
1.88224E-11	1.04951E-09
2.02505E-11	1.12669E-09
2.05383E-11	1.14023E-09
2.10577E-11	1.16654E-09
2.1238E-11	1.17166E-09
2.12414E-11	1.17166E-09
2.14315E-11	1.17961E-09
2.17598E-11	1.19511E-09
2.20117E-11	1.20636E-09
2.25713E-11	1.2344E-09
2.26641E-11	1.23683E-09
2.32474E-11	1.26597E-09
2.34065E-11	1.27104E-09
2.34523E-11	1.27104E-09
2.34891E-11	1.27104E-09
2.40503E-11	1.29867E-09
2.42419E-11	1.30626E-09
2.43437E-11	1.309E-09
2.51623E-11	1.35018E-09
2.56303E-11	1.37243E-09
2.5767E-11	1.37687E-09
2.59406E-11	1.38327E-09
2.62192E-11	1.39522E-09
2.66921E-11	1.41745E-09
2.73178E-11	1.44529E-09
2.73292E-11	1.44529E-09
2.74869E-11	1.45064E-09
2.77931E-11	1.46379E-09
2.78542E-11	1.464E-09
2.83231E-11	1.4856E-09
2.94288E-11	1.54045E-09
3.0844E-11	1.61124E-09
3.10987E-11	1.62124E-09
3.11932E-11	1.62265E-09
3.12523E-11	1.62265E-09
3.1522E-11	1.63335E-09
3.25137E-11	1.68134E-09
3.29903E-11	1.70255E-09
3.32778E-11	1.70448E-09
3.32891E-11	1.70448E-09
3.33013E-11	1.70448E-09
3.33243E-11	1.70448E-09
3.33599E-11	1.70448E-09
3.3559E-11	1.71124E-09
3.37911E-11	1.71966E-09
3.40442E-11	1.72911E-09
3.42216E-11	1.73468E-09

TAUvsControls

3.45122E-11	1.74596E-09
3.46264E-11	1.74829E-09
3.51903E-11	1.77297E-09
3.52533E-11	1.77297E-09
3.53269E-11	1.77319E-09
3.55326E-11	1.78003E-09
3.56626E-11	1.78306E-09
3.62409E-11	1.80845E-09
3.64216E-11	1.81394E-09
3.6579E-11	1.81824E-09
3.66677E-11	1.81913E-09
3.78804E-11	1.87566E-09
3.83071E-11	1.89314E-09
3.86836E-11	1.90807E-09
3.90241E-11	1.92117E-09
3.91244E-11	1.92242E-09
3.92058E-11	1.92273E-09
4.00539E-11	1.96058E-09
4.0152E-11	1.96163E-09
4.0526E-11	1.97614E-09
4.07024E-11	1.98098E-09
4.1854E-11	2.03317E-09
4.25081E-11	2.06104E-09
4.26754E-11	2.06525E-09
4.28085E-11	2.06779E-09
4.43605E-11	2.13873E-09
4.45379E-11	2.14325E-09
4.49471E-11	2.15889E-09
4.63442E-11	2.22183E-09
4.69062E-11	2.24459E-09
4.74274E-11	2.2653E-09
4.78646E-11	2.28193E-09
4.80166E-11	2.28493E-09
4.81111E-11	2.28519E-09
4.87595E-11	2.30972E-09
4.88077E-11	2.30972E-09
4.89387E-11	2.31165E-09
4.97549E-11	2.34589E-09
5.00245E-11	2.35427E-09
5.08311E-11	2.38785E-09
5.09278E-11	2.38802E-09
5.12309E-11	2.39785E-09
5.21771E-11	2.43769E-09
5.36954E-11	2.50406E-09
5.4493E-11	2.53206E-09
5.45017E-11	2.53206E-09
5.4592E-11	2.53206E-09
5.51491E-11	2.55329E-09
5.53997E-11	2.56027E-09
5.55693E-11	2.56348E-09
5.60123E-11	2.57928E-09

TAUvsControls

5.70915E-11	2.62426E-09
5.77105E-11	2.64797E-09
5.83859E-11	2.67418E-09
5.9524E-11	2.72145E-09
6.11643E-11	2.79147E-09
6.18472E-11	2.81762E-09
6.22276E-11	2.82992E-09
6.2634E-11	2.84336E-09
6.37312E-11	2.88806E-09
6.48238E-11	2.93239E-09
6.50411E-11	2.93546E-09
6.51205E-11	2.93546E-09
6.54254E-11	2.94403E-09
6.6248E-11	2.97538E-09
6.6354E-11	2.97538E-09
6.87897E-11	3.07921E-09
6.91657E-11	3.09065E-09
7.38132E-11	3.29258E-09
7.58234E-11	3.37638E-09
7.61559E-11	3.38531E-09
7.69493E-11	3.41466E-09
7.96731E-11	3.52942E-09
8.084E-11	3.57494E-09
8.22274E-11	3.62923E-09
8.23506E-11	3.62923E-09
8.3429E-11	3.66584E-09
8.34672E-11	3.66584E-09
8.39997E-11	3.68292E-09
8.49315E-11	3.71742E-09
8.57603E-11	3.7473E-09
8.62539E-11	3.76246E-09
8.93257E-11	3.88984E-09
9.36035E-11	4.06336E-09
9.36274E-11	4.06336E-09
9.45689E-11	4.09729E-09
9.49233E-11	4.10421E-09
9.51051E-11	4.10421E-09
9.52085E-11	4.10421E-09
9.5532E-11	4.11124E-09
9.62325E-11	4.13445E-09
9.63947E-11	4.13449E-09
9.66697E-11	4.13937E-09
9.74438E-11	4.1587E-09
9.74456E-11	4.1587E-09
9.77956E-11	4.16671E-09
9.8586E-11	4.19342E-09
1.0061E-10	4.27244E-09
1.00987E-10	4.28136E-09
1.02762E-10	4.3494E-09
1.03446E-10	4.37116E-09
1.03761E-10	4.37724E-09

TAUvsControls

1.04522E-10	4.40212E-09
1.04985E-10	4.41436E-09
1.05773E-10	4.43419E-09
1.05802E-10	4.43419E-09
1.06969E-10	4.47577E-09
1.07863E-10	4.50583E-09
1.087E-10	4.53341E-09
1.10831E-10	4.61477E-09
1.11931E-10	4.65301E-09
1.1474E-10	4.76208E-09
1.15036E-10	4.76665E-09
1.15377E-10	4.77309E-09
1.16444E-10	4.80547E-09
1.16535E-10	4.80547E-09
1.16873E-10	4.81169E-09
1.18434E-10	4.86202E-09
1.18475E-10	4.86202E-09
1.19526E-10	4.89731E-09
1.21007E-10	4.9501E-09
1.24306E-10	5.07693E-09
1.24839E-10	5.09059E-09
1.26855E-10	5.16462E-09
1.28106E-10	5.19905E-09
1.29397E-10	5.24314E-09
1.3028E-10	5.27058E-09
1.34389E-10	5.42826E-09
1.34911E-10	5.43736E-09
1.35038E-10	5.43736E-09
1.35693E-10	5.45515E-09
1.35997E-10	5.45881E-09
1.36221E-10	5.45926E-09
1.36943E-10	5.47963E-09
1.38376E-10	5.52836E-09
1.40295E-10	5.58848E-09
1.40317E-10	5.58848E-09
1.41273E-10	5.61783E-09
1.41834E-10	5.63144E-09
1.4341E-10	5.68521E-09
1.44132E-10	5.70502E-09
1.46339E-10	5.78342E-09
1.46684E-10	5.78815E-09
1.51385E-10	5.96449E-09
1.53367E-10	6.02566E-09
1.53408E-10	6.02566E-09
1.54866E-10	6.07362E-09
1.57441E-10	6.16179E-09
1.57594E-10	6.16179E-09
1.60633E-10	6.27105E-09
1.62135E-10	6.32006E-09
1.63002E-10	6.32884E-09
1.63156E-10	6.32884E-09

TAUvsControls

1.63252E-10	6.32884E-09
1.63347E-10	6.32884E-09
1.65317E-10	6.39549E-09
1.66382E-10	6.42702E-09
1.6763E-10	6.46546E-09
1.68858E-10	6.50305E-09
1.71862E-10	6.60881E-09
1.73108E-10	6.64679E-09
1.74557E-10	6.69239E-09
1.75524E-10	6.71942E-09
1.76961E-10	6.76435E-09
1.78667E-10	6.81584E-09
1.7884E-10	6.81584E-09
1.83729E-10	6.98709E-09
1.83878E-10	6.98709E-09
1.87141E-10	7.10057E-09
1.88351E-10	7.13144E-09
1.88511E-10	7.13144E-09
1.89725E-10	7.16678E-09
1.9023E-10	7.17532E-09
1.91028E-10	7.19483E-09
1.92725E-10	7.24812E-09
1.95562E-10	7.34401E-09
1.96423E-10	7.36557E-09
1.96818E-10	7.36603E-09
1.9701E-10	7.36603E-09
1.98173E-10	7.39601E-09
1.98388E-10	7.39601E-09
1.98909E-10	7.40466E-09
2.01826E-10	7.50238E-09
2.04941E-10	7.60715E-09
2.0764E-10	7.68245E-09
2.0813E-10	7.68245E-09
2.08167E-10	7.68245E-09
2.08168E-10	7.68245E-09
2.09958E-10	7.73737E-09
2.18484E-10	8.04004E-09
2.22065E-10	8.14759E-09
2.22227E-10	8.14759E-09
2.2236E-10	8.14759E-09
2.22809E-10	8.1524E-09
2.25252E-10	8.23004E-09
2.25641E-10	8.23254E-09
2.26145E-10	8.23919E-09
2.26827E-10	8.25232E-09
2.30625E-10	8.37862E-09
2.31012E-10	8.38079E-09
2.32032E-10	8.3986E-09
2.32157E-10	8.3986E-09
2.34108E-10	8.45724E-09
2.34646E-10	8.46473E-09

TAUvsControls

2.35913E-10	8.49287E-09
2.36088E-10	8.49287E-09
2.396E-10	8.60713E-09
2.404E-10	8.62381E-09
2.42491E-10	8.68667E-09
2.44779E-10	8.7564E-09
2.48882E-10	8.89079E-09
2.49801E-10	8.90523E-09
2.49981E-10	8.90523E-09
2.5213E-10	8.96931E-09
2.5791E-10	9.16222E-09
2.59095E-10	9.19161E-09
2.59736E-10	9.20163E-09
2.62093E-10	9.2723E-09
2.64221E-10	9.33471E-09
2.67316E-10	9.43108E-09
2.72993E-10	9.61733E-09
2.73345E-10	9.61733E-09
2.7488E-10	9.65809E-09
2.7591E-10	9.68101E-09
2.80703E-10	9.83571E-09
2.81548E-10	9.85189E-09
2.85575E-10	9.97916E-09
2.85979E-10	9.97968E-09
2.86831E-10	9.99584E-09
2.90824E-10	1.01081E-08
2.9084E-10	1.01081E-08
2.9321E-10	1.01766E-08
2.97297E-10	1.0294E-08
2.97395E-10	1.0294E-08
3.03335E-10	1.04777E-08
3.03519E-10	1.04777E-08
3.05366E-10	1.05273E-08
3.08044E-10	1.06054E-08
3.09394E-10	1.06376E-08
3.09813E-10	1.06377E-08
3.10365E-10	1.06425E-08
3.12672E-10	1.06954E-08
3.12797E-10	1.06954E-08
3.13161E-10	1.06954E-08
3.15688E-10	1.07674E-08
3.18791E-10	1.08588E-08
3.20702E-10	1.08989E-08
3.20818E-10	1.08989E-08
3.23928E-10	1.099E-08
3.25329E-10	1.10229E-08
3.29285E-10	1.11423E-08
3.31067E-10	1.11878E-08
3.31584E-10	1.11905E-08
3.39337E-10	1.14371E-08
3.40474E-10	1.14604E-08

TAUvsControls

3.44312E-10	1.15682E-08
3.44621E-10	1.15682E-08
3.45029E-10	1.15682E-08
3.47482E-10	1.16352E-08
3.53674E-10	1.18271E-08
3.60057E-10	1.20249E-08
3.72214E-10	1.2414E-08
3.72676E-10	1.2414E-08
3.76567E-10	1.25273E-08
3.79635E-10	1.2613E-08
3.81149E-10	1.2647E-08
3.91563E-10	1.29757E-08
3.92632E-10	1.29941E-08
3.93131E-10	1.29941E-08
4.06937E-10	1.34331E-08
4.11539E-10	1.35676E-08
4.24869E-10	1.3989E-08
4.2661E-10	1.40283E-08
4.28109E-10	1.40596E-08
4.32774E-10	1.41947E-08
4.34781E-10	1.42315E-08
4.35006E-10	1.42315E-08
4.43959E-10	1.45058E-08
4.45359E-10	1.45331E-08
4.4736E-10	1.45798E-08
4.49814E-10	1.4626E-08
4.49916E-10	1.4626E-08
4.58044E-10	1.48714E-08
4.62367E-10	1.49927E-08
4.66869E-10	1.51196E-08
4.68661E-10	1.51416E-08
4.68729E-10	1.51416E-08
4.71523E-10	1.52127E-08
4.73414E-10	1.52545E-08
4.81246E-10	1.54874E-08
4.83178E-10	1.55301E-08
4.8515E-10	1.5574E-08
4.92849E-10	1.58014E-08
4.97617E-10	1.59343E-08
5.03637E-10	1.6107E-08
5.07229E-10	1.62016E-08
5.14775E-10	1.64222E-08
5.19226E-10	1.65407E-08
5.19779E-10	1.65407E-08
5.23201E-10	1.6629E-08
5.25769E-10	1.66899E-08
5.31498E-10	1.68509E-08
5.34434E-10	1.69231E-08
5.39387E-10	1.70502E-08
5.39777E-10	1.70502E-08
5.48959E-10	1.73189E-08

TAUvsControls

5.51692E-10	1.73837E-08
5.52388E-10	1.73843E-08
5.65003E-10	1.77595E-08
5.66074E-10	1.77714E-08
5.67645E-10	1.77989E-08
5.71504E-10	1.7898E-08
5.80101E-10	1.81451E-08
5.84581E-10	1.8263E-08
5.86149E-10	1.82897E-08
5.87965E-10	1.83241E-08
5.90511E-10	1.83811E-08
5.93618E-10	1.84554E-08
5.98929E-10	1.8598E-08
6.05133E-10	1.87569E-08
6.05509E-10	1.87569E-08
6.0942E-10	1.88553E-08
6.1243E-10	1.89256E-08
6.16919E-10	1.90413E-08
6.24265E-10	1.92449E-08
6.29091E-10	1.93704E-08
6.35527E-10	1.95451E-08
6.38109E-10	1.9601E-08
6.39806E-10	1.96296E-08
6.53605E-10	2.0029E-08
6.63795E-10	2.0317E-08
6.70095E-10	2.04854E-08
6.73323E-10	2.05596E-08
6.75164E-10	2.05913E-08
6.89865E-10	2.10147E-08
6.93906E-10	2.11127E-08
7.00163E-10	2.12778E-08
7.0247E-10	2.13227E-08
7.08768E-10	2.14884E-08
7.10146E-10	2.15048E-08
7.13871E-10	2.15921E-08
7.15531E-10	2.16168E-08
7.21298E-10	2.17522E-08
7.21709E-10	2.17522E-08
7.26165E-10	2.18608E-08
7.31293E-10	2.19829E-08
7.32452E-10	2.19829E-08
7.32792E-10	2.19829E-08
7.34483E-10	2.20079E-08
7.45701E-10	2.2318E-08
7.65924E-10	2.28965E-08
7.70892E-10	2.30182E-08
7.73213E-10	2.30339E-08
7.73213E-10	2.30339E-08
7.78869E-10	2.31754E-08
7.85801E-10	2.33546E-08
8.01253E-10	2.37863E-08

TAUvsControls

8.11713E-10	2.40689E-08
8.13761E-10	2.41018E-08
8.15736E-10	2.41324E-08
8.21911E-10	2.42707E-08
8.22648E-10	2.42707E-08
8.2325E-10	2.42707E-08
8.25435E-10	2.43072E-08
8.34075E-10	2.45335E-08
8.40728E-10	2.47008E-08
8.41771E-10	2.47032E-08
8.55639E-10	2.50815E-08
8.62644E-10	2.52579E-08
8.78459E-10	2.56917E-08
8.84195E-10	2.583E-08
8.92774E-10	2.60509E-08
9.09244E-10	2.65014E-08
9.11921E-10	2.65492E-08
9.16928E-10	2.66647E-08
9.28775E-10	2.69786E-08
9.39552E-10	2.72608E-08
9.47183E-10	2.74512E-08
9.77893E-10	2.83092E-08
1.00856E-09	2.91577E-08
1.00948E-09	2.91577E-08
1.01407E-09	2.92575E-08
1.02014E-09	2.93996E-08
1.0232E-09	2.94546E-08
1.02792E-09	2.95573E-08
1.03687E-09	2.97814E-08
1.0422E-09	2.98788E-08
1.04322E-09	2.98788E-08
1.04376E-09	2.98788E-08
1.05147E-09	3.00659E-08
1.06045E-09	3.02889E-08
1.0958E-09	3.12481E-08
1.09647E-09	3.12481E-08
1.09946E-09	3.12752E-08
1.09986E-09	3.12752E-08
1.10448E-09	3.1372E-08
1.10669E-09	3.13999E-08
1.11355E-09	3.15597E-08
1.14257E-09	3.23428E-08
1.14371E-09	3.23428E-08
1.15653E-09	3.26694E-08
1.16282E-09	3.27824E-08
1.16308E-09	3.27824E-08
1.17554E-09	3.30969E-08
1.17806E-09	3.31317E-08
1.20213E-09	3.37715E-08
1.20711E-09	3.38744E-08
1.21547E-09	3.40717E-08

TAUvsControls

1.23283E-09	3.45205E-08
1.25334E-09	3.50565E-08
1.27388E-09	3.55924E-08
1.27669E-09	3.56319E-08
1.28437E-09	3.58075E-08
1.28797E-09	3.58687E-08
1.28945E-09	3.5871E-08
1.30152E-09	3.61676E-08
1.30376E-09	3.61906E-08
1.31503E-09	3.64641E-08
1.32701E-09	3.67564E-08
1.33388E-09	3.6907E-08
1.34425E-09	3.71537E-08
1.35099E-09	3.72999E-08
1.35745E-09	3.74253E-08
1.35859E-09	3.74253E-08
1.36081E-09	3.74253E-08
1.36137E-09	3.74253E-08
1.37536E-09	3.77694E-08
1.38488E-09	3.79901E-08
1.38974E-09	3.80827E-08
1.41103E-09	3.86249E-08
1.41472E-09	3.86845E-08
1.42193E-09	3.88074E-08
1.42224E-09	3.88074E-08
1.42708E-09	3.8896E-08
1.42852E-09	3.8896E-08
1.44989E-09	3.94361E-08
1.48042E-09	4.02239E-08
1.49842E-09	4.06697E-08
1.50776E-09	4.088E-08
1.50976E-09	4.0891E-08
1.53155E-09	4.14376E-08
1.5336E-09	4.14492E-08
1.54451E-09	4.17002E-08
1.57014E-09	4.23476E-08
1.61216E-09	4.34352E-08
1.62362E-09	4.36979E-08
1.6257E-09	4.37082E-08
1.63178E-09	4.38252E-08
1.63347E-09	4.38252E-08
1.63904E-09	4.39288E-08
1.65358E-09	4.42721E-08
1.66929E-09	4.4646E-08
1.6802E-09	4.48912E-08
1.6971E-09	4.52954E-08
1.73949E-09	4.63787E-08
1.74804E-09	4.65581E-08
1.75005E-09	4.65632E-08
1.75866E-09	4.67201E-08
1.75958E-09	4.67201E-08

TAUvsControls

1.76275E-09	4.67556E-08
1.7715E-09	4.69393E-08
1.77348E-09	4.69433E-08
1.79605E-09	4.74887E-08
1.79779E-09	4.74887E-08
1.8013E-09	4.75325E-08
1.80468E-09	4.75727E-08
1.81746E-09	4.78603E-08
1.82038E-09	4.78881E-08
1.85772E-09	4.88204E-08
1.86974E-09	4.90861E-08
1.8765E-09	4.92129E-08
1.9214E-09	5.03244E-08
1.9228E-09	5.03244E-08
1.9327E-09	5.05319E-08
1.93747E-09	5.0605E-08
1.98793E-09	5.18488E-08
1.98913E-09	5.18488E-08
2.01016E-09	5.23253E-08
2.01149E-09	5.23253E-08
2.01373E-09	5.23305E-08
2.02447E-09	5.25564E-08
2.04724E-09	5.30938E-08
2.06501E-09	5.35006E-08
2.11333E-09	5.46971E-08
2.12227E-09	5.48324E-08
2.12283E-09	5.48324E-08
2.12752E-09	5.48585E-08
2.12812E-09	5.48585E-08
2.14452E-09	5.52257E-08
2.15186E-09	5.53591E-08
2.15549E-09	5.53969E-08
2.16066E-09	5.54743E-08
2.20619E-09	5.65866E-08
2.21962E-09	5.68742E-08
2.22923E-09	5.70633E-08
2.26536E-09	5.79304E-08
2.2897E-09	5.84946E-08
2.31465E-09	5.90676E-08
2.31773E-09	5.90676E-08
2.31904E-09	5.90676E-08
2.33473E-09	5.94081E-08
2.34467E-09	5.95068E-08
2.3458E-09	5.95068E-08
2.34669E-09	5.95068E-08
2.34788E-09	5.95068E-08
2.36093E-09	5.97783E-08
2.3645E-09	5.98098E-08
2.39439E-09	6.05062E-08
2.40053E-09	6.06016E-08
2.40434E-09	6.06381E-08

TAUvsControls

2.40787E-09	6.06673E-08
2.41927E-09	6.08714E-08
2.42071E-09	6.08714E-08
2.45275E-09	6.16167E-08
2.51281E-09	6.30637E-08
2.51631E-09	6.30896E-08
2.52251E-09	6.31835E-08
2.53015E-09	6.3313E-08
2.53311E-09	6.33252E-08
2.54227E-09	6.34924E-08
2.61926E-09	6.53515E-08
2.63167E-09	6.55975E-08
2.65214E-09	6.60434E-08
2.6779E-09	6.66202E-08
2.71534E-09	6.74616E-08
2.71698E-09	6.74616E-08
2.74695E-09	6.81398E-08
2.75213E-09	6.82024E-08
2.76346E-09	6.84169E-08
2.77557E-09	6.86505E-08
2.78102E-09	6.87191E-08
2.78708E-09	6.88026E-08
2.80415E-09	6.91575E-08
2.82461E-09	6.95949E-08
2.84691E-09	7.00772E-08
2.87814E-09	7.07779E-08
2.89988E-09	7.12443E-08
2.91668E-09	7.15885E-08
2.92182E-09	7.16461E-08
2.93788E-09	7.19709E-08
2.9454E-09	7.20865E-08
2.95098E-09	7.21542E-08
2.97825E-09	7.27516E-08
3.00594E-09	7.33582E-08
3.04917E-09	7.43425E-08
3.05966E-09	7.45272E-08
3.07633E-09	7.48622E-08
3.11176E-09	7.56525E-08
3.12475E-09	7.588E-08
3.12703E-09	7.588E-08
3.14472E-09	7.62372E-08
3.16575E-09	7.66175E-08
3.16638E-09	7.66175E-08
3.229E-09	7.80589E-08
3.23411E-09	7.81089E-08
3.26296E-09	7.87315E-08
3.27878E-09	7.90391E-08
3.28232E-09	7.90499E-08
3.28565E-09	7.90559E-08
3.31891E-09	7.97814E-08
3.34771E-09	8.03984E-08

TAUvsControls

3.36409E-09	8.0716E-08
3.38572E-09	8.11591E-08
3.4213E-09	8.19356E-08
3.448E-09	8.2498E-08
3.46099E-09	8.27316E-08
3.47151E-09	8.28034E-08
3.47328E-09	8.28034E-08
3.47368E-09	8.28034E-08
3.47902E-09	8.28537E-08
3.48259E-09	8.28618E-08
3.50274E-09	8.32639E-08
3.54957E-09	8.42989E-08
3.55455E-09	8.43392E-08
3.57152E-09	8.46635E-08
3.66601E-09	8.68232E-08
3.70588E-09	8.75585E-08
3.70631E-09	8.75585E-08
3.7073E-09	8.75585E-08
3.82419E-09	9.0236E-08
3.82778E-09	9.02379E-08
3.86102E-09	9.09378E-08
3.86816E-09	9.10224E-08
3.93747E-09	9.25683E-08
3.94328E-09	9.26022E-08
3.94613E-09	9.26022E-08
3.96356E-09	9.29263E-08
4.00778E-09	9.38772E-08
4.05843E-09	9.49551E-08
4.0612E-09	9.49551E-08
4.07348E-09	9.50833E-08
4.0741E-09	9.50833E-08
4.09502E-09	9.53677E-08
4.0967E-09	9.53677E-08
4.09744E-09	9.53677E-08
4.14947E-09	9.64912E-08
4.17785E-09	9.7063E-08
4.19948E-09	9.74773E-08
4.25169E-09	9.86001E-08
4.2836E-09	9.92503E-08
4.29807E-09	9.94957E-08
4.30551E-09	9.9578E-08
4.3226E-09	9.98832E-08
4.35532E-09	1.00549E-07
4.41168E-09	1.01758E-07
4.46568E-09	1.02911E-07
4.48103E-09	1.03172E-07
4.52677E-09	1.04132E-07
4.53826E-09	1.04303E-07
4.55918E-09	1.0469E-07
4.56852E-09	1.0481E-07
4.59359E-09	1.05291E-07

TAUvsControls

4.60579E-09	1.05477E-07
4.61906E-09	1.05653E-07
4.62174E-09	1.05653E-07
4.63548E-09	1.05873E-07
4.65323E-09	1.06184E-07
4.70266E-09	1.07216E-07
4.71757E-09	1.07461E-07
4.74282E-09	1.0794E-07
4.76546E-09	1.08359E-07
4.82243E-09	1.09558E-07
4.84838E-09	1.09839E-07
4.85022E-09	1.09839E-07
4.85304E-09	1.09839E-07
4.85498E-09	1.09839E-07
4.85624E-09	1.09839E-07
4.88795E-09	1.10459E-07
4.89502E-09	1.10521E-07
4.90598E-09	1.10672E-07
4.92788E-09	1.11068E-07
4.94237E-09	1.11297E-07
5.00073E-09	1.12512E-07
5.17989E-09	1.16441E-07
5.20759E-09	1.16961E-07
5.22078E-09	1.17155E-07
5.22941E-09	1.1717E-07
5.23059E-09	1.1717E-07
5.27725E-09	1.18112E-07
5.2872E-09	1.18231E-07
5.29697E-09	1.18347E-07
5.30316E-09	1.18382E-07
5.32597E-09	1.18788E-07
5.34785E-09	1.19172E-07
5.35833E-09	1.19302E-07
5.36936E-09	1.19444E-07
5.39853E-09	1.19989E-07
5.40722E-09	1.20078E-07
5.45105E-09	1.20946E-07
5.46593E-09	1.21172E-07
5.49382E-09	1.21685E-07
5.52602E-09	1.22292E-07
5.53195E-09	1.22318E-07
5.66091E-09	1.25062E-07
5.6764E-09	1.25296E-07
5.73453E-09	1.2647E-07
5.75437E-09	1.26799E-07
5.99785E-09	1.32051E-07
6.00712E-09	1.32068E-07
6.00893E-09	1.32068E-07
6.04148E-09	1.32669E-07
6.08974E-09	1.33503E-07
6.08986E-09	1.33503E-07

TAUvsControls

6.12254E-09	1.34105E-07
6.16993E-09	1.35028E-07
6.1997E-09	1.35564E-07
6.27297E-09	1.37049E-07
6.39992E-09	1.39614E-07
6.40126E-09	1.39614E-07
6.40743E-09	1.3963E-07
6.46022E-09	1.40661E-07
6.50482E-09	1.41512E-07
6.52006E-09	1.41723E-07
6.57165E-09	1.42723E-07
6.61035E-09	1.43442E-07
6.64659E-09	1.44107E-07
6.66518E-09	1.44388E-07
6.71204E-09	1.4528E-07
6.75163E-09	1.46014E-07
6.81167E-09	1.47188E-07
6.8781E-09	1.48499E-07
6.91251E-09	1.49116E-07
6.9447E-09	1.49685E-07
6.97143E-09	1.50134E-07
7.0263E-09	1.51189E-07
7.05027E-09	1.51578E-07
7.0761E-09	1.52006E-07
7.08578E-09	1.52086E-07
7.16559E-09	1.53671E-07
7.21281E-09	1.54545E-07
7.2184E-09	1.54545E-07
7.24458E-09	1.54976E-07
7.32927E-09	1.56657E-07
7.35538E-09	1.57084E-07
7.42682E-09	1.58478E-07
7.44182E-09	1.58666E-07
7.46049E-09	1.58932E-07
7.5425E-09	1.60546E-07
7.58486E-09	1.61313E-07
7.64132E-09	1.6238E-07
7.66752E-09	1.62697E-07
7.67278E-09	1.62697E-07
7.6753E-09	1.62697E-07
7.70813E-09	1.63258E-07
7.72587E-09	1.63499E-07
7.77548E-09	1.64413E-07
7.85993E-09	1.66062E-07
7.90093E-09	1.66791E-07
7.9447E-09	1.67548E-07
7.94988E-09	1.67548E-07
7.99547E-09	1.68371E-07
8.04196E-09	1.69211E-07
8.09928E-09	1.70277E-07
8.14749E-09	1.71151E-07

TAUvsControls

8.20922E-09	1.72306E-07
8.22689E-09	1.72423E-07
8.22822E-09	1.72423E-07
8.23879E-09	1.72443E-07
8.24265E-09	1.72443E-07
8.28015E-09	1.73087E-07
8.40002E-09	1.7545E-07
8.41806E-09	1.75683E-07
8.43423E-09	1.75878E-07
8.45953E-09	1.76262E-07
8.52383E-09	1.77437E-07
8.52975E-09	1.77437E-07
8.54047E-09	1.77516E-07
8.55099E-09	1.77591E-07
8.57156E-09	1.77874E-07
8.57891E-09	1.77882E-07
8.5914E-09	1.77997E-07
8.61646E-09	1.78373E-07
8.65559E-09	1.79038E-07
8.6925E-09	1.79657E-07
8.73614E-09	1.80413E-07
8.77294E-09	1.81027E-07
8.83888E-09	1.82241E-07
8.85522E-09	1.82432E-07
8.93367E-09	1.839E-07
9.02746E-09	1.85682E-07
9.09851E-09	1.86993E-07
9.13893E-09	1.87674E-07
9.22924E-09	1.89377E-07
9.29713E-09	1.90571E-07
9.3023E-09	1.90571E-07
9.38025E-09	1.92014E-07
9.51164E-09	1.94549E-07
9.56432E-09	1.95374E-07
9.57207E-09	1.95374E-07
9.57485E-09	1.95374E-07
9.66949E-09	1.97149E-07
9.74659E-09	1.98563E-07
9.82344E-09	1.99969E-07
9.87911E-09	2.00865E-07
9.8831E-09	2.00865E-07
9.94344E-09	2.01931E-07
9.95782E-09	2.02063E-07
9.9885E-09	2.02417E-07
9.99105E-09	2.02417E-07
1.01944E-08	2.06374E-07
1.02229E-08	2.06787E-07
1.02566E-08	2.07145E-07
1.02567E-08	2.07145E-07
1.03406E-08	2.0867E-07
1.03557E-08	2.0867E-07

TAUvsControls

1.03566E-08	2.0867E-07
1.04208E-08	2.09799E-07
1.04409E-08	2.10039E-07
1.04558E-08	2.10061E-07
1.04584E-08	2.10061E-07
1.06111E-08	2.1296E-07
1.0629E-08	2.13154E-07
1.06739E-08	2.13888E-07
1.07124E-08	2.1449E-07
1.08482E-08	2.16927E-07
1.0851E-08	2.16927E-07
1.09977E-08	2.19689E-07
1.11013E-08	2.21585E-07
1.11469E-08	2.22323E-07
1.11949E-08	2.23107E-07
1.12149E-08	2.23332E-07
1.15493E-08	2.29812E-07
1.16103E-08	2.30846E-07
1.16645E-08	2.31616E-07
1.16886E-08	2.31616E-07
1.16907E-08	2.31616E-07
1.16941E-08	2.31616E-07
1.16941E-08	2.31616E-07
1.17651E-08	2.32842E-07
1.17854E-08	2.33063E-07
1.18112E-08	2.33394E-07
1.18223E-08	2.33433E-07
1.18716E-08	2.34226E-07
1.19418E-08	2.3543E-07
1.19927E-08	2.36252E-07
1.21097E-08	2.38375E-07
1.21855E-08	2.39682E-07
1.23964E-08	2.43643E-07
1.2433E-08	2.44176E-07
1.24606E-08	2.44531E-07
1.25081E-08	2.45275E-07
1.26393E-08	2.47659E-07
1.27011E-08	2.4868E-07
1.27467E-08	2.49382E-07
1.27576E-08	2.49405E-07
1.28431E-08	2.50825E-07
1.28498E-08	2.50825E-07
1.29064E-08	2.51738E-07
1.2969E-08	2.52693E-07
1.29751E-08	2.52693E-07
1.30582E-08	2.54023E-07
1.30631E-08	2.54023E-07
1.32269E-08	2.56954E-07
1.32339E-08	2.56954E-07
1.34096E-08	2.60168E-07
1.3475E-08	2.61239E-07

TAUvsControls

1.36174E-08	2.63801E-07
1.36336E-08	2.63915E-07
1.36456E-08	2.63949E-07
1.38183E-08	2.67089E-07
1.38424E-08	2.67352E-07
1.39239E-08	2.68725E-07
1.41039E-08	2.71994E-07
1.41544E-08	2.72762E-07
1.42356E-08	2.74121E-07
1.43085E-08	2.75319E-07
1.43329E-08	2.75399E-07
1.43342E-08	2.75399E-07
1.44278E-08	2.76991E-07
1.44817E-08	2.77817E-07
1.44981E-08	2.77923E-07
1.45609E-08	2.78919E-07
1.46661E-08	2.80725E-07
1.47676E-08	2.82456E-07
1.47881E-08	2.82638E-07
1.48027E-08	2.82706E-07
1.48183E-08	2.82793E-07
1.50741E-08	2.87308E-07
1.50773E-08	2.87308E-07
1.5139E-08	2.8827E-07
1.51513E-08	2.88291E-07
1.54065E-08	2.92929E-07
1.54938E-08	2.94372E-07
1.55386E-08	2.95003E-07
1.5658E-08	2.97051E-07
1.56942E-08	2.97518E-07
1.57739E-08	2.98806E-07
1.58086E-08	2.99243E-07
1.58394E-08	2.99606E-07
1.58838E-08	3.00224E-07
1.59619E-08	3.01479E-07
1.59888E-08	3.01764E-07
1.60284E-08	3.02289E-07
1.63185E-08	3.07534E-07
1.63513E-08	3.07925E-07
1.63719E-08	3.08087E-07
1.64061E-08	3.08505E-07
1.65681E-08	3.11322E-07
1.69525E-08	3.18099E-07
1.69535E-08	3.18099E-07
1.69998E-08	3.18733E-07
1.70386E-08	3.1902E-07
1.70399E-08	3.1902E-07
1.70854E-08	3.19639E-07
1.71219E-08	3.20087E-07
1.71959E-08	3.20912E-07
1.71996E-08	3.20912E-07

TAUvsControls

1.72036E-08	3.20912E-07
1.7293E-08	3.22345E-07
1.74014E-08	3.24132E-07
1.74211E-08	3.24262E-07
1.74709E-08	3.24954E-07
1.76434E-08	3.27925E-07
1.76636E-08	3.28061E-07
1.79084E-08	3.32367E-07
1.79753E-08	3.33369E-07
1.80642E-08	3.34775E-07
1.81012E-08	3.35219E-07
1.82688E-08	3.38077E-07
1.8314E-08	3.3867E-07
1.83303E-08	3.38728E-07
1.83625E-08	3.39079E-07
1.85192E-08	3.41725E-07
1.85679E-08	3.42333E-07
1.85788E-08	3.42333E-07
1.86067E-08	3.426E-07
1.87078E-08	3.44216E-07
1.8772E-08	3.4515E-07
1.90634E-08	3.50256E-07
1.91317E-08	3.51259E-07
1.94979E-08	3.57726E-07
1.95737E-08	3.5886E-07
1.97073E-08	3.61005E-07
1.97188E-08	3.61005E-07
1.99161E-08	3.64357E-07
1.9943E-08	3.64589E-07
2.00151E-08	3.65646E-07
2.01182E-08	3.67268E-07
2.0211E-08	3.68699E-07
2.02818E-08	3.69729E-07
2.02984E-08	3.69769E-07
2.06535E-08	3.7597E-07
2.07689E-08	3.77762E-07
2.08014E-08	3.77762E-07
2.08051E-08	3.77762E-07
2.08109E-08	3.77762E-07
2.09369E-08	3.79781E-07
2.10175E-08	3.80975E-07
2.10338E-08	3.80999E-07
2.11348E-08	3.8256E-07
2.11507E-08	3.82577E-07
2.13938E-08	3.86701E-07
2.15026E-08	3.88395E-07
2.166E-08	3.90962E-07
2.1699E-08	3.91391E-07
2.17509E-08	3.9205E-07
2.17664E-08	3.92054E-07
2.18012E-08	3.92407E-07

TAUvsControls

2.18702E-08	3.93373E-07
2.20429E-08	3.96202E-07
2.21737E-08	3.98272E-07
2.24045E-08	4.02137E-07
2.25352E-08	4.04199E-07
2.25871E-08	4.04847E-07
2.27254E-08	4.07041E-07
2.30801E-08	4.13106E-07
2.30973E-08	4.13125E-07
2.32496E-08	4.1556E-07
2.33975E-08	4.17913E-07
2.35868E-08	4.21E-07
2.36153E-08	4.21216E-07
2.36435E-08	4.21426E-07
2.37628E-08	4.23258E-07
2.41696E-08	4.30205E-07
2.42393E-08	4.31147E-07
2.45795E-08	4.36895E-07
2.46701E-08	4.38201E-07
2.48005E-08	4.40213E-07
2.50616E-08	4.44541E-07
2.51206E-08	4.45279E-07
2.5236E-08	4.47015E-07
2.54074E-08	4.49741E-07
2.54473E-08	4.50137E-07
2.5469E-08	4.50209E-07
2.55457E-08	4.51254E-07
2.55891E-08	4.51711E-07
2.58095E-08	4.55288E-07
2.58756E-08	4.56121E-07
2.58923E-08	4.56121E-07
2.59508E-08	4.56838E-07
2.60027E-08	4.57437E-07
2.61779E-08	4.60203E-07
2.6282E-08	4.61401E-07
2.6282E-08	4.61401E-07
2.67361E-08	4.69052E-07
2.68617E-08	4.70934E-07
2.68862E-08	4.71041E-07
2.69174E-08	4.71265E-07
2.70801E-08	4.73791E-07
2.72142E-08	4.75812E-07
2.75757E-08	4.81804E-07
2.79519E-08	4.88045E-07
2.80151E-08	4.88816E-07
2.82409E-08	4.9214E-07
2.8244E-08	4.9214E-07
2.85532E-08	4.9719E-07
2.86223E-08	4.98056E-07
2.8898E-08	5.02511E-07
2.90226E-08	5.04337E-07

TAUvsControls

2.93269E-08	5.09279E-07
2.95662E-08	5.13087E-07
2.96097E-08	5.13495E-07
2.96722E-08	5.14231E-07
2.97193E-08	5.14701E-07
3.00464E-08	5.20013E-07
3.04668E-08	5.26933E-07
3.06035E-08	5.28942E-07
3.06498E-08	5.29385E-07
3.07809E-08	5.31291E-07
3.09313E-08	5.33529E-07
3.09674E-08	5.33793E-07
3.14209E-08	5.41246E-07
3.14727E-08	5.41774E-07
3.15293E-08	5.42384E-07
3.17208E-08	5.45312E-07
3.19283E-08	5.48512E-07
3.20264E-08	5.4955E-07
3.20315E-08	5.4955E-07
3.22203E-08	5.52418E-07
3.22454E-08	5.52481E-07
3.25792E-08	5.57826E-07
3.27845E-08	5.60967E-07
3.28622E-08	5.61922E-07
3.31028E-08	5.65658E-07
3.36148E-08	5.74025E-07
3.36608E-08	5.74287E-07
3.36749E-08	5.74287E-07
3.37408E-08	5.75028E-07
3.39035E-08	5.77417E-07
3.40089E-08	5.78828E-07
3.40483E-08	5.79115E-07
3.43894E-08	5.84529E-07
3.46735E-08	5.88966E-07
3.4852E-08	5.91607E-07
3.53319E-08	5.99357E-07
3.54519E-08	6.00996E-07
3.57727E-08	6.05898E-07
3.57883E-08	6.05898E-07
3.5857E-08	6.06661E-07
3.61887E-08	6.11869E-07
3.64009E-08	6.15051E-07
3.65055E-08	6.16411E-07
3.66579E-08	6.18578E-07
3.69297E-08	6.22755E-07
3.69826E-08	6.23237E-07
3.70424E-08	6.23835E-07
3.71719E-08	6.25606E-07
3.73649E-08	6.28441E-07
3.74427E-08	6.29336E-07
3.75199E-08	6.30221E-07

TAUvsControls

3.76712E-08	6.32349E-07
3.77609E-08	6.33439E-07
3.83436E-08	6.42794E-07
3.84408E-08	6.44002E-07
3.86618E-08	6.47282E-07
3.87109E-08	6.47681E-07
3.87806E-08	6.48424E-07
3.93142E-08	6.56919E-07
3.95578E-08	6.60559E-07
3.96887E-08	6.62314E-07
3.98696E-08	6.64554E-07
3.98969E-08	6.64554E-07
3.99007E-08	6.64554E-07
4.01136E-08	6.67666E-07
4.03478E-08	6.71129E-07
4.03949E-08	6.71477E-07
4.05264E-08	6.73008E-07
4.05395E-08	6.73008E-07
4.08446E-08	6.77634E-07
4.10234E-08	6.80162E-07
4.11346E-08	6.81564E-07
4.14601E-08	6.86514E-07
4.18516E-08	6.92549E-07
4.18832E-08	6.92626E-07
4.19554E-08	6.93239E-07
4.19743E-08	6.93239E-07
4.20256E-08	6.93639E-07
4.26092E-08	7.02702E-07
4.26295E-08	7.02702E-07
4.3104E-08	7.10067E-07
4.34415E-08	7.15167E-07
4.35285E-08	7.1614E-07
4.36529E-08	7.17727E-07
4.37692E-08	7.19177E-07
4.38416E-08	7.19906E-07
4.3974E-08	7.21619E-07
4.45098E-08	7.29562E-07
4.4515E-08	7.29562E-07
4.45447E-08	7.29583E-07
4.46709E-08	7.31183E-07
4.47589E-08	7.32156E-07
4.48973E-08	7.33952E-07
4.49536E-08	7.34404E-07
4.50965E-08	7.36271E-07
4.51453E-08	7.36598E-07
4.55105E-08	7.41293E-07
4.55198E-08	7.41293E-07
4.59378E-08	7.47626E-07
4.61288E-08	7.50258E-07
4.65011E-08	7.55771E-07
4.65266E-08	7.55771E-07

TAUvsControls

4.65709E-08	7.56011E-07
4.6666E-08	7.57076E-07
4.66957E-08	7.57078E-07
4.68646E-08	7.59338E-07
4.70214E-08	7.61397E-07
4.71546E-08	7.63072E-07
4.72309E-08	7.63824E-07
4.74809E-08	7.67383E-07
4.83849E-08	7.81501E-07
4.84857E-08	7.82637E-07
4.86363E-08	7.84573E-07
4.90362E-08	7.90528E-07
4.92547E-08	7.93552E-07
4.93972E-08	7.95347E-07
4.9467E-08	7.95971E-07
4.97328E-08	7.99746E-07
4.99447E-08	8.02651E-07
5.00673E-08	8.04119E-07
5.02314E-08	8.06249E-07
5.05914E-08	8.11519E-07
5.08999E-08	8.15957E-07
5.14369E-08	8.24051E-07
5.15444E-08	8.25257E-07
5.18058E-08	8.28703E-07
5.18242E-08	8.28703E-07
5.25708E-08	8.40117E-07
5.2945E-08	8.45571E-07
5.33117E-08	8.50898E-07
5.37864E-08	8.5794E-07
5.41258E-08	8.62817E-07
5.425E-08	8.6426E-07
5.43885E-08	8.65928E-07
5.45148E-08	8.674E-07
5.45506E-08	8.67432E-07
5.48286E-08	8.71313E-07
5.49074E-08	8.72025E-07
5.50976E-08	8.74504E-07
5.53105E-08	8.7734E-07
5.56546E-08	8.82253E-07
5.64156E-08	8.93764E-07
5.67891E-08	8.99126E-07
5.70189E-08	9.02207E-07
5.7123E-08	9.03297E-07
5.72249E-08	9.0435E-07
5.72916E-08	9.04847E-07
5.73697E-08	9.05524E-07
5.74247E-08	9.05834E-07
5.76208E-08	9.08369E-07
5.8271E-08	9.18055E-07
5.84654E-08	9.20118E-07
5.84737E-08	9.20118E-07

TAUvsControls

5.8551E-08	9.20769E-07
5.8817E-08	9.24386E-07
5.90242E-08	9.26995E-07
5.90553E-08	9.26995E-07
5.90958E-08	9.27012E-07
5.91287E-08	9.27012E-07
5.92561E-08	9.28442E-07
5.94064E-08	9.30229E-07
5.96439E-08	9.33377E-07
5.9742E-08	9.3417E-07
5.97673E-08	9.3417E-07
6.01294E-08	9.39256E-07
6.02978E-08	9.40754E-07
6.03301E-08	9.40754E-07
6.03353E-08	9.40754E-07
6.08945E-08	9.48896E-07
6.0959E-08	9.49325E-07
6.11131E-08	9.50429E-07
6.11212E-08	9.50429E-07
6.11411E-08	9.50429E-07
6.13039E-08	9.52382E-07
6.14665E-08	9.54331E-07
6.17751E-08	9.58542E-07
6.20062E-08	9.61547E-07
6.24514E-08	9.67864E-07
6.25132E-08	9.68237E-07
6.26104E-08	9.69158E-07
6.36396E-08	9.84495E-07
6.428E-08	9.93802E-07
6.4553E-08	9.97421E-07
6.48273E-08	1.00106E-06
6.50003E-08	1.00312E-06
6.50861E-08	1.00385E-06
6.53688E-08	1.00711E-06
6.5399E-08	1.00711E-06
6.54157E-08	1.00711E-06
6.5678E-08	1.01054E-06
6.60941E-08	1.01634E-06
6.64385E-08	1.02102E-06
6.66716E-08	1.02399E-06
6.73184E-08	1.0333E-06
6.75594E-08	1.03638E-06
6.78027E-08	1.03949E-06
6.79839E-08	1.04165E-06
6.81655E-08	1.04381E-06
6.85337E-08	1.04882E-06
6.8967E-08	1.05469E-06
6.89999E-08	1.05469E-06
6.91251E-08	1.05598E-06
6.9191E-08	1.05636E-06
6.9627E-08	1.06238E-06

TAUvsControls

7.00862E-08	1.0686E-06
7.0118E-08	1.0686E-06
7.07495E-08	1.07759E-06
7.09297E-08	1.07969E-06
7.12306E-08	1.08363E-06
7.14709E-08	1.08664E-06
7.16757E-08	1.08911E-06
7.17652E-08	1.08972E-06
7.18011E-08	1.08972E-06
7.21495E-08	1.09436E-06
7.25121E-08	1.09921E-06
7.26191E-08	1.10008E-06
7.2655E-08	1.10008E-06
7.31224E-08	1.1065E-06
7.35649E-08	1.11254E-06
7.36419E-08	1.11269E-06
7.3662E-08	1.11269E-06
7.38082E-08	1.11425E-06
7.39486E-08	1.11571E-06
7.39945E-08	1.11575E-06
7.43904E-08	1.12106E-06
7.45626E-08	1.12299E-06
7.46959E-08	1.12434E-06
7.47536E-08	1.12455E-06
7.52427E-08	1.13124E-06
7.53708E-08	1.1325E-06
7.64642E-08	1.14826E-06
7.69157E-08	1.15436E-06
7.70384E-08	1.15553E-06
7.76578E-08	1.16414E-06
7.7783E-08	1.16534E-06
7.79049E-08	1.16648E-06
7.80373E-08	1.16778E-06
7.82133E-08	1.16973E-06
7.86059E-08	1.17492E-06
7.89073E-08	1.17874E-06
7.9108E-08	1.18105E-06
7.96464E-08	1.18839E-06
7.96934E-08	1.1884E-06
8.02278E-08	1.19568E-06
8.03637E-08	1.19701E-06
8.0512E-08	1.19852E-06
8.06385E-08	1.19931E-06
8.07065E-08	1.19931E-06
8.07439E-08	1.19931E-06
8.0752E-08	1.19931E-06
8.08871E-08	1.20062E-06
8.11105E-08	1.20324E-06
8.16513E-08	1.21024E-06
8.1677E-08	1.21024E-06
8.17882E-08	1.21119E-06

TAUvsControls

8.18594E-08	1.21155E-06
8.22109E-08	1.21605E-06
8.23984E-08	1.21812E-06
8.26829E-08	1.22162E-06
8.28631E-08	1.22358E-06
8.40196E-08	1.23994E-06
8.44083E-08	1.24496E-06
8.46141E-08	1.24728E-06
8.54026E-08	1.25818E-06
8.59185E-08	1.26505E-06
8.64311E-08	1.27187E-06
8.67098E-08	1.27524E-06
8.68956E-08	1.27724E-06
8.71178E-08	1.27977E-06
8.72955E-08	1.28165E-06
8.77754E-08	1.28796E-06
8.81506E-08	1.29272E-06
8.88811E-08	1.30269E-06
8.92649E-08	1.30757E-06
8.93875E-08	1.30862E-06
8.94425E-08	1.30868E-06
8.9817E-08	1.31341E-06
8.99866E-08	1.31514E-06
9.06303E-08	1.32379E-06
9.06944E-08	1.32397E-06
9.09826E-08	1.32743E-06
9.16387E-08	1.33624E-06
9.194E-08	1.33987E-06
9.20257E-08	1.34036E-06
9.28137E-08	1.35107E-06
9.35191E-08	1.36056E-06
9.42974E-08	1.37111E-06
9.44969E-08	1.37323E-06
9.5054E-08	1.38054E-06
9.52062E-08	1.38155E-06
9.5231E-08	1.38155E-06
9.60477E-08	1.39261E-06
9.61252E-08	1.39295E-06
9.62928E-08	1.39459E-06
9.64486E-08	1.39606E-06
9.65927E-08	1.39735E-06
9.69694E-08	1.40201E-06
9.73745E-08	1.40708E-06
9.74476E-08	1.40734E-06
9.78933E-08	1.41298E-06
9.92403E-08	1.43162E-06
9.93898E-08	1.43244E-06
9.94091E-08	1.43244E-06
9.96722E-08	1.43495E-06
9.96954E-08	1.43495E-06
9.97838E-08	1.43542E-06

TAUvsControls

1.00149E-07	1.43987E-06
1.00742E-07	1.44758E-06
1.01305E-07	1.45486E-06
1.01395E-07	1.45534E-06
1.01688E-07	1.45872E-06
1.02055E-07	1.46307E-06
1.02105E-07	1.46307E-06
1.02228E-07	1.46401E-06
1.02362E-07	1.46511E-06
1.02752E-07	1.46987E-06
1.0355E-07	1.48046E-06
1.03665E-07	1.48075E-06
1.03686E-07	1.48075E-06
1.04517E-07	1.49101E-06
1.0452E-07	1.49101E-06
1.05814E-07	1.50862E-06
1.06153E-07	1.51262E-06
1.06452E-07	1.51604E-06
1.06524E-07	1.51622E-06
1.0665E-07	1.51718E-06
1.07167E-07	1.52368E-06
1.073E-07	1.52473E-06
1.07796E-07	1.53094E-06
1.08285E-07	1.53703E-06
1.08779E-07	1.54318E-06
1.09166E-07	1.54781E-06
1.10238E-07	1.56215E-06
1.11093E-07	1.5734E-06
1.11843E-07	1.58314E-06
1.12279E-07	1.58845E-06
1.12386E-07	1.58908E-06
1.12616E-07	1.59145E-06
1.13917E-07	1.60895E-06
1.14998E-07	1.62333E-06
1.16499E-07	1.64361E-06
1.17435E-07	1.65591E-06
1.17732E-07	1.65918E-06
1.18116E-07	1.66368E-06
1.18258E-07	1.66421E-06
1.18283E-07	1.66421E-06
1.19356E-07	1.67838E-06
1.20519E-07	1.69294E-06
1.20523E-07	1.69294E-06
1.20661E-07	1.69394E-06
1.20747E-07	1.69423E-06
1.20914E-07	1.69564E-06
1.21288E-07	1.69996E-06
1.24232E-07	1.74027E-06
1.24382E-07	1.74141E-06
1.25386E-07	1.75406E-06
1.25422E-07	1.75406E-06

TAUvsControls

1.2581E-07	1.75853E-06
1.2618E-07	1.76275E-06
1.2634E-07	1.76402E-06
1.26546E-07	1.76593E-06
1.27432E-07	1.77733E-06
1.27999E-07	1.78426E-06
1.28188E-07	1.78587E-06
1.28253E-07	1.78587E-06
1.28786E-07	1.79232E-06
1.30096E-07	1.80956E-06
1.30247E-07	1.81068E-06
1.30626E-07	1.81497E-06
1.31068E-07	1.82012E-06
1.31253E-07	1.82058E-06
1.31326E-07	1.82058E-06
1.31366E-07	1.82058E-06
1.31385E-07	1.82058E-06
1.32073E-07	1.82912E-06
1.32453E-07	1.8334E-06
1.3294E-07	1.83914E-06
1.34919E-07	1.86552E-06
1.35794E-07	1.87661E-06
1.36456E-07	1.88474E-06
1.37929E-07	1.90406E-06
1.38536E-07	1.91141E-06
1.39081E-07	1.9179E-06
1.39391E-07	1.92085E-06
1.39445E-07	1.92085E-06
1.39912E-07	1.92625E-06
1.40151E-07	1.9285E-06
1.40426E-07	1.93125E-06
1.40967E-07	1.93765E-06
1.4117E-07	1.93941E-06
1.41742E-07	1.94621E-06
1.43819E-07	1.97369E-06
1.44293E-07	1.97913E-06
1.45517E-07	1.99486E-06
1.4678E-07	2.01109E-06
1.47325E-07	2.01749E-06
1.48079E-07	2.02672E-06
1.48465E-07	2.03092E-06
1.48892E-07	2.03567E-06
1.49538E-07	2.04343E-06
1.49688E-07	2.04438E-06
1.50333E-07	2.0521E-06
1.51085E-07	2.06127E-06
1.51874E-07	2.07093E-06
1.52498E-07	2.07833E-06
1.52742E-07	2.08055E-06
1.53914E-07	2.09541E-06
1.54305E-07	2.09961E-06

TAUvsControls

1.56497E-07	2.12831E-06
1.56798E-07	2.13128E-06
1.57915E-07	2.14533E-06
1.58027E-07	2.1457E-06
1.58216E-07	2.14714E-06
1.59998E-07	2.17017E-06
1.60273E-07	2.17275E-06
1.60451E-07	2.17401E-06
1.62203E-07	2.19659E-06
1.63571E-07	2.21334E-06
1.63612E-07	2.21334E-06
1.63733E-07	2.21364E-06
1.63807E-07	2.21364E-06
1.64834E-07	2.22634E-06
1.65998E-07	2.24088E-06
1.66859E-07	2.25132E-06
1.67726E-07	2.26183E-06
1.69764E-07	2.28811E-06
1.71406E-07	2.30877E-06
1.71476E-07	2.30877E-06
1.73607E-07	2.33623E-06
1.73767E-07	2.33715E-06
1.74108E-07	2.34051E-06
1.74782E-07	2.34835E-06
1.75201E-07	2.35274E-06
1.77028E-07	2.37603E-06
1.77566E-07	2.3817E-06
1.77636E-07	2.3817E-06
1.78078E-07	2.38638E-06
1.78562E-07	2.39161E-06
1.79497E-07	2.40288E-06
1.80372E-07	2.41333E-06
1.80538E-07	2.41429E-06
1.81188E-07	2.42173E-06
1.82263E-07	2.43483E-06
1.83743E-07	2.45332E-06
1.85163E-07	2.47099E-06
1.86619E-07	2.48913E-06
1.86798E-07	2.49022E-06
1.8805E-07	2.50512E-06
1.88111E-07	2.50512E-06
1.88212E-07	2.50517E-06
1.88902E-07	2.51305E-06
1.90223E-07	2.52931E-06
1.91816E-07	2.54917E-06
1.92792E-07	2.56061E-06
1.92877E-07	2.56061E-06
1.93028E-07	2.56129E-06
1.95669E-07	2.59499E-06
1.95779E-07	2.59511E-06
1.96147E-07	2.59864E-06

TAUvsControls

1.98408E-07	2.62724E-06
1.99445E-07	2.6396E-06
1.99826E-07	2.64329E-06
2.00436E-07	2.64999E-06
2.01024E-07	2.6564E-06
2.01318E-07	2.65836E-06
2.0138E-07	2.65836E-06
2.02096E-07	2.66644E-06
2.03675E-07	2.6859E-06
2.04354E-07	2.69347E-06
2.05475E-07	2.70684E-06
2.06696E-07	2.72153E-06
2.07007E-07	2.72342E-06
2.07052E-07	2.72342E-06
2.07389E-07	2.72645E-06
2.08571E-07	2.74059E-06
2.09378E-07	2.74978E-06
2.10181E-07	2.75892E-06
2.10398E-07	2.76036E-06
2.10529E-07	2.76066E-06
2.12194E-07	2.78107E-06
2.13811E-07	2.80083E-06
2.14168E-07	2.80408E-06
2.15716E-07	2.82291E-06
2.1658E-07	2.83277E-06
2.19347E-07	2.86684E-06
2.19409E-07	2.86684E-06
2.20774E-07	2.88321E-06
2.21685E-07	2.89364E-06
2.25939E-07	2.94767E-06
2.26248E-07	2.9502E-06
2.26654E-07	2.95399E-06
2.27015E-07	2.95719E-06
2.27215E-07	2.95721E-06
2.27247E-07	2.95721E-06
2.29047E-07	2.97912E-06
2.29913E-07	2.98887E-06
2.32007E-07	3.01456E-06
2.32238E-07	3.01604E-06
2.32486E-07	3.01773E-06
2.33457E-07	3.0288E-06
2.34818E-07	3.04491E-06
2.35656E-07	3.05424E-06
2.35833E-07	3.055E-06
2.36312E-07	3.05964E-06
2.37545E-07	3.07407E-06
2.38547E-07	3.08547E-06
2.3921E-07	3.09249E-06
2.42246E-07	3.13017E-06
2.43034E-07	3.13876E-06
2.43404E-07	3.14196E-06

TAUvsControls

2.43604E-07	3.14295E-06
2.43759E-07	3.14338E-06
2.45258E-07	3.16112E-06
2.46469E-07	3.17513E-06
2.46897E-07	3.17785E-06
2.46928E-07	3.17785E-06
2.47224E-07	3.18006E-06
2.4933E-07	3.20554E-06
2.51032E-07	3.22565E-06
2.51145E-07	3.22565E-06
2.51374E-07	3.22698E-06
2.51756E-07	3.23026E-06
2.52543E-07	3.23874E-06
2.53075E-07	3.24394E-06
2.54657E-07	3.2613E-06
2.54684E-07	3.2613E-06
2.57135E-07	3.29105E-06
2.57733E-07	3.29706E-06
2.59124E-07	3.31319E-06
2.60139E-07	3.32325E-06
2.6017E-07	3.32325E-06
2.60418E-07	3.32476E-06
2.6116E-07	3.33258E-06
2.618E-07	3.33909E-06
2.6207E-07	3.33988E-06
2.62122E-07	3.33988E-06
2.63025E-07	3.34972E-06
2.64161E-07	3.36252E-06
2.67334E-07	3.40122E-06
2.67559E-07	3.40239E-06
2.67767E-07	3.40335E-06
2.67994E-07	3.40455E-06
2.68916E-07	3.41457E-06
2.70515E-07	3.43317E-06
2.70798E-07	3.43506E-06
2.71235E-07	3.4389E-06
2.72158E-07	3.4489E-06
2.72535E-07	3.45197E-06
2.73217E-07	3.45891E-06
2.74499E-07	3.47343E-06
2.74876E-07	3.47647E-06
2.77987E-07	3.51409E-06
2.78155E-07	3.51448E-06
2.80414E-07	3.54128E-06
2.80971E-07	3.54657E-06
2.81402E-07	3.55026E-06
2.821E-07	3.55732E-06
2.83159E-07	3.56891E-06
2.835E-07	3.57146E-06
2.84356E-07	3.58049E-06
2.85993E-07	3.59933E-06

TAUvsControls

2.87403E-07	3.6153E-06
2.91352E-07	3.66318E-06
2.91721E-07	3.66602E-06
2.9309E-07	3.68142E-06
2.94424E-07	3.69637E-06
2.95391E-07	3.70669E-06
2.95853E-07	3.71068E-06
2.96748E-07	3.72008E-06
2.98915E-07	3.74541E-06
2.99363E-07	3.7492E-06
3.01977E-07	3.7801E-06
3.02636E-07	3.7865E-06
3.02949E-07	3.78856E-06
3.06163E-07	3.82689E-06
3.06573E-07	3.83015E-06
3.06943E-07	3.83291E-06
3.09089E-07	3.85782E-06
3.0972E-07	3.86382E-06
3.09891E-07	3.86407E-06
3.13916E-07	3.91235E-06
3.15736E-07	3.93313E-06
3.17678E-07	3.95352E-06
3.17681E-07	3.95352E-06
3.17874E-07	3.954E-06
3.18787E-07	3.96344E-06
3.23288E-07	4.01745E-06
3.24369E-07	4.02892E-06
3.24969E-07	4.03443E-06
3.25484E-07	4.03712E-06
3.25501E-07	4.03712E-06
3.25678E-07	4.03737E-06
3.26119E-07	4.04088E-06
3.29372E-07	4.07922E-06
3.33437E-07	4.12757E-06
3.34404E-07	4.13755E-06
3.34791E-07	4.14034E-06
3.35404E-07	4.14591E-06
3.37727E-07	4.17262E-06
3.39366E-07	4.18987E-06
3.3945E-07	4.18987E-06
3.40538E-07	4.20082E-06
3.40664E-07	4.20082E-06
3.40951E-07	4.20184E-06
3.41075E-07	4.20184E-06
3.45463E-07	4.25305E-06
3.45563E-07	4.25305E-06
3.46256E-07	4.25952E-06
3.46691E-07	4.26284E-06
3.48069E-07	4.27773E-06
3.50992E-07	4.31158E-06
3.54221E-07	4.34917E-06

TAUvsControls

3.56476E-07	4.37477E-06
3.57993E-07	4.39128E-06
3.60034E-07	4.41421E-06
3.6162E-07	4.43153E-06
3.62453E-07	4.43962E-06
3.64022E-07	4.4567E-06
3.64261E-07	4.45751E-06
3.65271E-07	4.46647E-06
3.65442E-07	4.46647E-06
3.65594E-07	4.46647E-06
3.6569E-07	4.46647E-06
3.66086E-07	4.46917E-06
3.663E-07	4.46966E-06
3.6693E-07	4.47523E-06
3.67405E-07	4.47888E-06
3.67829E-07	4.48089E-06
3.67919E-07	4.48089E-06
3.69376E-07	4.4965E-06
3.70411E-07	4.50696E-06
3.71448E-07	4.51743E-06
3.77215E-07	4.5854E-06
3.77936E-07	4.59198E-06
3.8154E-07	4.63358E-06
3.82116E-07	4.63838E-06
3.82974E-07	4.64659E-06
3.83524E-07	4.65107E-06
3.8706E-07	4.69174E-06
3.87547E-07	4.69542E-06
3.88035E-07	4.69911E-06
3.88785E-07	4.70597E-06
3.90916E-07	4.72953E-06
3.91325E-07	4.73225E-06
3.92837E-07	4.74829E-06
3.95681E-07	4.78041E-06
3.96384E-07	4.78665E-06
3.99617E-07	4.82342E-06
4.02424E-07	4.85503E-06
4.02765E-07	4.85685E-06
4.05559E-07	4.88825E-06
4.06717E-07	4.8999E-06
4.06947E-07	4.90037E-06
4.10025E-07	4.93511E-06
4.11494E-07	4.95048E-06
4.11992E-07	4.95414E-06
4.15281E-07	4.99135E-06
4.17378E-07	5.01421E-06
4.18565E-07	5.02611E-06
4.22539E-07	5.07145E-06
4.25556E-07	5.10527E-06
4.26411E-07	5.11315E-06
4.28584E-07	5.1368E-06

TAUvsControls

4.28919E-07	5.13841E-06
4.29489E-07	5.13997E-06
4.29586E-07	5.13997E-06
4.2965E-07	5.13997E-06
4.31099E-07	5.1549E-06
4.32457E-07	5.16873E-06
4.3636E-07	5.21294E-06
4.37729E-07	5.22687E-06
4.39598E-07	5.24674E-06
4.41224E-07	5.2637E-06
4.44014E-07	5.29276E-06
4.44234E-07	5.29276E-06
4.44279E-07	5.29276E-06
4.47456E-07	5.32814E-06
4.49565E-07	5.35076E-06
4.58715E-07	5.45713E-06
4.62789E-07	5.50305E-06
4.65681E-07	5.53353E-06
4.65784E-07	5.53353E-06
4.67187E-07	5.54763E-06
4.69486E-07	5.57231E-06
4.69894E-07	5.57231E-06
4.69917E-07	5.57231E-06
4.70387E-07	5.5753E-06
4.72245E-07	5.59474E-06
4.7311E-07	5.6024E-06
4.73757E-07	5.60748E-06
4.7669E-07	5.63528E-06
4.7671E-07	5.63528E-06
4.76765E-07	5.63528E-06
4.79457E-07	5.66448E-06
4.82809E-07	5.70146E-06
4.83548E-07	5.70756E-06
4.84156E-07	5.7121E-06
4.84726E-07	5.7162E-06
4.85635E-07	5.72419E-06
4.8585E-07	5.72419E-06
4.90238E-07	5.77324E-06
4.90486E-07	5.77351E-06
4.91741E-07	5.78562E-06
4.92155E-07	5.78615E-06
4.92237E-07	5.78615E-06
4.93589E-07	5.79939E-06
4.95251E-07	5.81625E-06
4.97033E-07	5.83451E-06
4.98348E-07	5.84727E-06
5.00045E-07	5.8645E-06
5.03588E-07	5.90335E-06
5.04416E-07	5.91035E-06
5.06854E-07	5.93621E-06
5.08063E-07	5.94765E-06

TAUvsControls

5.13476E-07	6.00828E-06
5.15599E-07	6.03036E-06
5.21907E-07	6.10136E-06
5.2325E-07	6.11427E-06
5.30333E-07	6.19422E-06
5.33317E-07	6.22624E-06
5.34431E-07	6.23283E-06
5.34451E-07	6.23283E-06
5.34798E-07	6.23283E-06
5.34854E-07	6.23283E-06
5.35302E-07	6.23522E-06
5.38797E-07	6.27308E-06
5.42897E-07	6.31796E-06
5.46238E-07	6.35394E-06
5.46929E-07	6.3591E-06
5.51489E-07	6.40653E-06
5.51508E-07	6.40653E-06
5.52077E-07	6.41024E-06
5.56891E-07	6.46321E-06
5.60318E-07	6.50005E-06
5.61009E-07	6.50512E-06
5.63356E-07	6.52938E-06
5.70078E-07	6.60431E-06
5.71546E-07	6.61833E-06
5.72572E-07	6.62721E-06
5.73006E-07	6.62924E-06
5.7598E-07	6.66065E-06
5.7624E-07	6.66065E-06
5.79492E-07	6.69522E-06
5.86148E-07	6.76907E-06
5.92866E-07	6.84357E-06
5.93764E-07	6.85085E-06
5.9516E-07	6.86388E-06
5.95937E-07	6.86975E-06
6.00019E-07	6.9137E-06
6.01941E-07	6.93272E-06
6.06924E-07	6.98699E-06
6.08245E-07	6.99905E-06
6.09012E-07	7.00473E-06
6.10069E-07	7.01375E-06
6.1796E-07	7.10128E-06
6.258E-07	7.18816E-06
6.26769E-07	7.19606E-06
6.27316E-07	7.19912E-06
6.30812E-07	7.23601E-06
6.31743E-07	7.24344E-06
6.32205E-07	7.2455E-06
6.32661E-07	7.24748E-06
6.34466E-07	7.26492E-06
6.37382E-07	7.29505E-06
6.39565E-07	7.31677E-06

TAUvsControls

6.45493E-07	7.37801E-06
6.45493E-07	7.37801E-06
6.45961E-07	7.38007E-06
6.49244E-07	7.41427E-06
6.50354E-07	7.42365E-06
6.52232E-07	7.44177E-06
6.54127E-07	7.46007E-06
6.60447E-07	7.52812E-06
6.60681E-07	7.52812E-06
6.61403E-07	7.533E-06
6.63451E-07	7.55297E-06
6.69769E-07	7.61889E-06
6.69835E-07	7.61889E-06
6.71244E-07	7.63153E-06
6.73903E-07	7.65837E-06
6.75133E-07	7.66895E-06
6.81912E-07	7.74252E-06
6.85526E-07	7.78012E-06
6.86948E-07	7.79281E-06
6.91035E-07	7.83475E-06
6.91461E-07	7.83475E-06
6.91562E-07	7.83475E-06
6.95404E-07	7.8748E-06
6.95993E-07	7.87799E-06
6.9815E-07	7.89892E-06
7.02183E-07	7.94105E-06
7.1679E-07	8.10267E-06
7.19327E-07	8.12776E-06
7.2322E-07	8.16815E-06
7.24468E-07	8.17865E-06
7.26456E-07	8.19747E-06
7.35014E-07	8.2904E-06
7.3975E-07	8.34015E-06
7.44351E-07	8.38834E-06
7.45538E-07	8.39803E-06
7.46635E-07	8.40475E-06
7.46969E-07	8.40475E-06
7.47118E-07	8.40475E-06
7.47914E-07	8.41002E-06
7.4904E-07	8.41898E-06
7.59398E-07	8.53166E-06
7.6024E-07	8.53739E-06
7.6346E-07	8.5698E-06
7.67211E-07	8.60814E-06
7.6889E-07	8.6232E-06
7.75741E-07	8.69291E-06
7.76117E-07	8.69291E-06
7.76123E-07	8.69291E-06
7.7697E-07	8.69861E-06
7.80601E-07	8.73544E-06
7.83217E-07	8.76089E-06

TAUvsControls

7.83564E-07	8.76096E-06
7.84519E-07	8.76781E-06
7.8498E-07	8.76914E-06
7.88134E-07	8.80055E-06
7.89837E-07	8.81572E-06
7.96137E-07	8.88217E-06
7.98427E-07	8.90385E-06
7.98923E-07	8.9055E-06
8.00546E-07	8.9182E-06
8.00757E-07	8.9182E-06
8.05738E-07	8.96978E-06
8.06455E-07	8.97386E-06
8.2033E-07	9.1243E-06
8.20902E-07	9.1267E-06
8.23107E-07	9.14726E-06
8.24555E-07	9.15938E-06
8.25659E-07	9.1673E-06
8.26204E-07	9.1673E-06
8.2634E-07	9.1673E-06
8.28997E-07	9.1928E-06
8.41081E-07	9.32277E-06
8.45353E-07	9.36608E-06
8.4898E-07	9.4022E-06
8.50125E-07	9.41081E-06
8.53662E-07	9.44589E-06
8.60488E-07	9.51731E-06
8.62877E-07	9.53962E-06
8.69888E-07	9.61299E-06
8.72369E-07	9.63626E-06
8.73835E-07	9.6483E-06
8.77638E-07	9.68612E-06
8.78409E-07	9.69045E-06
8.79914E-07	9.70289E-06
8.8237E-07	9.72579E-06
8.8317E-07	9.73042E-06
8.86237E-07	9.76003E-06
8.89815E-07	9.79522E-06
8.90876E-07	9.80269E-06
8.91942E-07	9.81021E-06
8.94754E-07	9.83693E-06
8.98859E-07	9.87782E-06
9.01515E-07	9.90276E-06
9.04263E-07	9.9287E-06
9.07681E-07	9.96196E-06
9.11173E-07	9.99602E-06
9.14044E-07	1.00232E-05
9.15927E-07	1.00393E-05
9.16296E-07	1.00393E-05
9.22717E-07	1.01054E-05
9.33171E-07	1.02135E-05
9.33384E-07	1.02135E-05

TAUvsControls

9.36058E-07	1.02384E-05
9.36567E-07	1.02396E-05
9.37738E-07	1.0248E-05
9.38591E-07	1.0253E-05
9.48289E-07	1.03538E-05
9.48631E-07	1.03538E-05
9.53063E-07	1.03977E-05
9.54129E-07	1.0405E-05
9.54591E-07	1.04056E-05
9.59716E-07	1.0457E-05
9.61471E-07	1.04717E-05
9.64231E-07	1.04973E-05
9.6621E-07	1.05143E-05
9.67731E-07	1.05255E-05
9.68053E-07	1.05255E-05
9.70515E-07	1.05478E-05
9.71801E-07	1.05573E-05
9.73699E-07	1.05734E-05
9.75862E-07	1.05916E-05
9.76202E-07	1.05916E-05
9.78707E-07	1.06143E-05
9.80415E-07	1.06283E-05
9.85812E-07	1.06792E-05
9.85938E-07	1.06792E-05
9.88134E-07	1.06985E-05
9.88974E-07	1.06994E-05
9.89165E-07	1.06994E-05
9.89469E-07	1.06994E-05
9.90276E-07	1.07036E-05
9.94916E-07	1.07492E-05
9.95407E-07	1.075E-05
9.96401E-07	1.07562E-05
1.00665E-06	1.08622E-05
1.0074E-06	1.08658E-05
1.01446E-06	1.09374E-05
1.01729E-06	1.09632E-05
1.01959E-06	1.09834E-05
1.02264E-06	1.10116E-05
1.02622E-06	1.10456E-05
1.02876E-06	1.10682E-05
1.02973E-06	1.1074E-05
1.03138E-06	1.10842E-05
1.03155E-06	1.10842E-05
1.03249E-06	1.10898E-05
1.03336E-06	1.10945E-05
1.0369E-06	1.11219E-05
1.037E-06	1.11219E-05
1.03722E-06	1.11219E-05
1.04061E-06	1.11536E-05
1.04529E-06	1.11991E-05
1.04676E-06	1.12102E-05

TAUvsControls

1.04989E-06	1.1239E-05
1.05359E-06	1.12739E-05
1.05437E-06	1.12775E-05
1.05604E-06	1.12907E-05
1.05781E-06	1.13049E-05
1.06227E-06	1.13478E-05
1.0631E-06	1.1352E-05
1.06587E-06	1.13768E-05
1.0728E-06	1.1446E-05
1.07362E-06	1.145E-05
1.08051E-06	1.15187E-05
1.08494E-06	1.15596E-05
1.08525E-06	1.15596E-05
1.08578E-06	1.15604E-05
1.09162E-06	1.16179E-05
1.09501E-06	1.16491E-05
1.10369E-06	1.17366E-05
1.11294E-06	1.183E-05
1.11453E-06	1.1842E-05
1.12534E-06	1.19519E-05
1.13169E-06	1.20144E-05
1.13267E-06	1.20198E-05
1.13585E-06	1.20485E-05
1.14076E-06	1.20956E-05
1.14558E-06	1.214E-05
1.14589E-06	1.214E-05
1.14786E-06	1.21559E-05
1.14948E-06	1.2168E-05
1.15672E-06	1.22395E-05
1.15886E-06	1.22572E-05
1.16268E-06	1.22916E-05
1.16308E-06	1.22916E-05
1.17065E-06	1.23665E-05
1.17497E-06	1.24071E-05
1.17621E-06	1.24151E-05
1.1771E-06	1.24194E-05
1.17798E-06	1.24235E-05
1.17847E-06	1.24236E-05
1.1804E-06	1.24388E-05
1.18637E-06	1.24966E-05
1.18917E-06	1.2521E-05
1.20126E-06	1.26431E-05
1.20562E-06	1.26838E-05
1.21023E-06	1.27251E-05
1.21054E-06	1.27251E-05
1.21522E-06	1.27691E-05
1.21816E-06	1.27947E-05
1.22335E-06	1.28439E-05
1.23613E-06	1.29728E-05
1.24467E-06	1.30571E-05
1.24525E-06	1.30578E-05

TAUvsControls

1.24603E-06	1.30606E-05
1.27008E-06	1.33073E-05
1.27359E-06	1.33387E-05
1.27804E-06	1.33786E-05
1.27848E-06	1.33786E-05
1.27898E-06	1.33786E-05
1.28047E-06	1.33888E-05
1.29039E-06	1.3487E-05
1.29513E-06	1.3531E-05
1.30005E-06	1.35769E-05
1.3016E-06	1.35876E-05
1.308E-06	1.36441E-05
1.30808E-06	1.36441E-05
1.3089E-06	1.36472E-05
1.31117E-06	1.36653E-05
1.32283E-06	1.37784E-05
1.3231E-06	1.37784E-05
1.3239E-06	1.37811E-05
1.32496E-06	1.37866E-05
1.33484E-06	1.38838E-05
1.33898E-06	1.39212E-05
1.33958E-06	1.39218E-05
1.34146E-06	1.39326E-05
1.34171E-06	1.39326E-05
1.34461E-06	1.39571E-05
1.3481E-06	1.39877E-05
1.3528E-06	1.40307E-05
1.35598E-06	1.4058E-05
1.36948E-06	1.41922E-05
1.37086E-06	1.42009E-05
1.37391E-06	1.42267E-05
1.37865E-06	1.427E-05
1.3821E-06	1.42999E-05
1.3904E-06	1.438E-05
1.39299E-06	1.44009E-05
1.39561E-06	1.44223E-05
1.39717E-06	1.44326E-05
1.40359E-06	1.4493E-05
1.40648E-06	1.4517E-05
1.41204E-06	1.45685E-05
1.41645E-06	1.4605E-05
1.41671E-06	1.4605E-05
1.42049E-06	1.4638E-05
1.42271E-06	1.4655E-05
1.42898E-06	1.47137E-05
1.43116E-06	1.47302E-05
1.4377E-06	1.47888E-05
1.438E-06	1.47888E-05
1.44465E-06	1.48512E-05
1.45209E-06	1.49217E-05
1.46208E-06	1.50184E-05

TAUvsControls

1.46922E-06	1.50856E-05
1.47441E-06	1.51318E-05
1.47489E-06	1.51318E-05
1.47935E-06	1.51714E-05
1.48046E-06	1.51767E-05
1.49196E-06	1.52886E-05
1.49587E-06	1.53225E-05
1.50158E-06	1.53743E-05
1.50212E-06	1.53743E-05
1.51002E-06	1.5449E-05
1.5167E-06	1.55061E-05
1.51682E-06	1.55061E-05
1.51935E-06	1.55258E-05
1.52016E-06	1.55279E-05
1.52528E-06	1.5574E-05
1.53222E-06	1.56386E-05
1.53331E-06	1.56436E-05
1.53664E-06	1.56713E-05
1.54026E-06	1.5702E-05
1.54861E-06	1.57808E-05
1.55423E-06	1.58318E-05
1.55496E-06	1.5833E-05
1.55691E-06	1.58465E-05
1.5616E-06	1.5888E-05
1.56242E-06	1.589E-05
1.56411E-06	1.59009E-05
1.57987E-06	1.60547E-05
1.58622E-06	1.61129E-05
1.58884E-06	1.61331E-05
1.58951E-06	1.61335E-05
1.5908E-06	1.61402E-05
1.59638E-06	1.61904E-05
1.60025E-06	1.62232E-05
1.60898E-06	1.63053E-05
1.60963E-06	1.63055E-05
1.61311E-06	1.63245E-05
1.61341E-06	1.63245E-05
1.61342E-06	1.63245E-05
1.61504E-06	1.63345E-05
1.61658E-06	1.63435E-05
1.61886E-06	1.63602E-05
1.62111E-06	1.63765E-05
1.62209E-06	1.63799E-05
1.6229E-06	1.63817E-05
1.63347E-06	1.64819E-05
1.63941E-06	1.65353E-05
1.66044E-06	1.67408E-05
1.66269E-06	1.67569E-05
1.66353E-06	1.67571E-05
1.66402E-06	1.67571E-05
1.68695E-06	1.69814E-05

TAUvsControls

1.69452E-06	1.70462E-05
1.69472E-06	1.70462E-05
1.70583E-06	1.71512E-05
1.71081E-06	1.71946E-05
1.71225E-06	1.72023E-05
1.71518E-06	1.7225E-05
1.71672E-06	1.72337E-05
1.75759E-06	1.76333E-05
1.7579E-06	1.76333E-05
1.75947E-06	1.76422E-05
1.76114E-06	1.7652E-05
1.76975E-06	1.77314E-05
1.77197E-06	1.77466E-05
1.78572E-06	1.78775E-05
1.79016E-06	1.79149E-05
1.79607E-06	1.7967E-05
1.80206E-06	1.80199E-05
1.80412E-06	1.80335E-05
1.80595E-06	1.80447E-05
1.80998E-06	1.8078E-05
1.81521E-06	1.8121E-05
1.8157E-06	1.8121E-05
1.82046E-06	1.81614E-05
1.82504E-06	1.82E-05
1.82578E-06	1.82003E-05
1.84563E-06	1.83874E-05
1.84598E-06	1.83874E-05
1.85646E-06	1.84846E-05
1.85792E-06	1.84919E-05
1.86301E-06	1.85355E-05
1.86653E-06	1.85633E-05
1.88109E-06	1.86987E-05
1.88165E-06	1.86987E-05
1.88234E-06	1.86987E-05
1.88383E-06	1.87036E-05
1.88429E-06	1.87036E-05
1.88526E-06	1.8706E-05
1.89123E-06	1.87577E-05
1.89193E-06	1.87577E-05
1.89887E-06	1.88192E-05
1.90099E-06	1.8833E-05
1.90194E-06	1.88351E-05
1.91024E-06	1.891E-05
1.91206E-06	1.89207E-05
1.91441E-06	1.89367E-05
1.92203E-06	1.90047E-05
1.92326E-06	1.90095E-05
1.93208E-06	1.90894E-05
1.94129E-06	1.9173E-05
1.95359E-06	1.9287E-05
1.96793E-06	1.94211E-05

TAUvsControls

1.97381E-06	1.94716E-05
1.97503E-06	1.94762E-05
1.97792E-06	1.94972E-05
1.99308E-06	1.9639E-05
1.99952E-06	1.9695E-05
2.00362E-06	1.97277E-05
2.0266E-06	1.99464E-05
2.03476E-06	2.0019E-05
2.05021E-06	2.01633E-05
2.05506E-06	2.02033E-05
2.0623E-06	2.02666E-05
2.06993E-06	2.03339E-05
2.08022E-06	2.04271E-05
2.08172E-06	2.04307E-05
2.08218E-06	2.04307E-05
2.08402E-06	2.04409E-05
2.09332E-06	2.05243E-05
2.09965E-06	2.05785E-05
2.11687E-06	2.07394E-05
2.12217E-06	2.07834E-05
2.13776E-06	2.0928E-05
2.14012E-06	2.09431E-05
2.15057E-06	2.10337E-05
2.15101E-06	2.10337E-05
2.15626E-06	2.10769E-05
2.15868E-06	2.10925E-05
2.1621E-06	2.11114E-05
2.16225E-06	2.11114E-05
2.16958E-06	2.11749E-05
2.17257E-06	2.11959E-05
2.17854E-06	2.12462E-05
2.18351E-06	2.12865E-05
2.1937E-06	2.13778E-05
2.19462E-06	2.13786E-05
2.20596E-06	2.14808E-05
2.21561E-06	2.15667E-05
2.23118E-06	2.171E-05
2.25086E-06	2.18867E-05
2.25105E-06	2.18867E-05
2.25652E-06	2.19316E-05
2.26138E-06	2.19705E-05
2.27301E-06	2.20751E-05
2.2747E-06	2.20832E-05
2.29854E-06	2.23062E-05
2.3333E-06	2.2635E-05
2.3378E-06	2.26701E-05
2.34401E-06	2.27217E-05
2.34904E-06	2.27618E-05
2.3532E-06	2.27935E-05
2.37713E-06	2.30166E-05
2.38123E-06	2.30476E-05

TAUvsControls

2.38828E-06	2.31071E-05
2.39142E-06	2.31288E-05
2.39648E-06	2.3169E-05
2.41639E-06	2.33527E-05
2.42203E-06	2.33983E-05
2.43079E-06	2.34742E-05
2.43515E-06	2.35049E-05
2.43581E-06	2.35049E-05
2.46276E-06	2.37561E-05
2.46717E-06	2.37897E-05
2.47506E-06	2.38568E-05
2.47696E-06	2.38661E-05
2.48387E-06	2.39237E-05
2.49084E-06	2.39818E-05
2.49416E-06	2.40048E-05
2.49779E-06	2.40272E-05
2.49837E-06	2.40272E-05
2.50547E-06	2.40865E-05
2.5132E-06	2.41444E-05
2.51338E-06	2.41444E-05
2.51509E-06	2.41519E-05
2.53118E-06	2.42972E-05
2.53954E-06	2.43684E-05
2.55793E-06	2.45357E-05
2.56096E-06	2.45556E-05
2.57245E-06	2.46565E-05
2.58956E-06	2.48112E-05
2.597E-06	2.48632E-05
2.59713E-06	2.48632E-05
2.5979E-06	2.48632E-05
2.60401E-06	2.49125E-05
2.6079E-06	2.49404E-05
2.6174E-06	2.50219E-05
2.61962E-06	2.50338E-05
2.62231E-06	2.50501E-05
2.63663E-06	2.51776E-05
2.63807E-06	2.51819E-05
2.65775E-06	2.53603E-05
2.66773E-06	2.54461E-05
2.66904E-06	2.54492E-05
2.67797E-06	2.55248E-05
2.68766E-06	2.56077E-05
2.68977E-06	2.56183E-05
2.69291E-06	2.56387E-05
2.69515E-06	2.56504E-05
2.69702E-06	2.56587E-05
2.70323E-06	2.57083E-05
2.70458E-06	2.57116E-05
2.70865E-06	2.57407E-05
2.70966E-06	2.57407E-05
2.71192E-06	2.57527E-05

TAUvsControls

2.72975E-06	2.59124E-05
2.73504E-06	2.59459E-05
2.7353E-06	2.59459E-05
2.73778E-06	2.59598E-05
2.74794E-06	2.60465E-05
2.75283E-06	2.60833E-05
2.75727E-06	2.61157E-05
2.76087E-06	2.61401E-05
2.76326E-06	2.61531E-05
2.79069E-06	2.6403E-05
2.79301E-06	2.64151E-05
2.8002E-06	2.64734E-05
2.82337E-06	2.66826E-05
2.83647E-06	2.67965E-05
2.84707E-06	2.68868E-05
2.84933E-06	2.68933E-05
2.84986E-06	2.68933E-05
2.85332E-06	2.69161E-05
2.85757E-06	2.69463E-05
2.86963E-06	2.705E-05
2.87586E-06	2.70988E-05
2.88017E-06	2.71294E-05
2.90525E-06	2.73556E-05
2.922E-06	2.75032E-05
2.92599E-06	2.75284E-05
2.92682E-06	2.75284E-05
2.93324E-06	2.75787E-05
2.97928E-06	2.80013E-05
2.98241E-06	2.80204E-05
2.99215E-06	2.81016E-05
2.99465E-06	2.81148E-05
3.00386E-06	2.8191E-05
3.00812E-06	2.82207E-05
3.01534E-06	2.82781E-05
3.03073E-06	2.8412E-05
3.0373E-06	2.84607E-05
3.03815E-06	2.84607E-05
3.04161E-06	2.84827E-05
3.09497E-06	2.89719E-05
3.09812E-06	2.89907E-05
3.10913E-06	2.90832E-05
3.13257E-06	2.92918E-05
3.13377E-06	2.92923E-05
3.14996E-06	2.94329E-05
3.15312E-06	2.94517E-05
3.18299E-06	2.97199E-05
3.18853E-06	2.97608E-05
3.21479E-06	2.99949E-05
3.2222E-06	3.00531E-05
3.22395E-06	3.00586E-05
3.23488E-06	3.01495E-05

TAUvsControls

3.23631E-06	3.01519E-05
3.32093E-06	3.09291E-05
3.33532E-06	3.10517E-05
3.34817E-06	3.11601E-05
3.35732E-06	3.1234E-05
3.35856E-06	3.12341E-05
3.36788E-06	3.13095E-05
3.40569E-06	3.16494E-05
3.42565E-06	3.18234E-05
3.4328E-06	3.18783E-05
3.43492E-06	3.18864E-05
3.45361E-06	3.20484E-05
3.46468E-06	3.21394E-05
3.46768E-06	3.21557E-05
3.47764E-06	3.22363E-05
3.48118E-06	3.22562E-05
3.48286E-06	3.22562E-05
3.48355E-06	3.22562E-05
3.5182E-06	3.25653E-05
3.52707E-06	3.26356E-05
3.53354E-06	3.26836E-05
3.55172E-06	3.284E-05
3.55484E-06	3.28569E-05
3.56793E-06	3.29661E-05
3.57035E-06	3.29766E-05
3.57269E-06	3.29863E-05
3.57402E-06	3.29867E-05
3.59487E-06	3.31506E-05
3.59544E-06	3.31506E-05
3.59566E-06	3.31506E-05
3.6049E-06	3.32239E-05
3.65528E-06	3.36761E-05
3.67489E-06	3.38446E-05
3.67893E-06	3.38696E-05
3.68632E-06	3.39255E-05
3.69959E-06	3.40354E-05
3.72786E-06	3.42833E-05
3.73984E-06	3.43708E-05
3.74086E-06	3.43708E-05
3.7414E-06	3.43708E-05
3.75209E-06	3.44534E-05
3.75308E-06	3.44534E-05
3.76967E-06	3.45933E-05
3.77808E-06	3.46581E-05
3.78337E-06	3.46942E-05
3.78627E-06	3.47083E-05
3.79714E-06	3.47956E-05
3.82571E-06	3.50449E-05
3.83766E-06	3.51418E-05
3.84357E-06	3.51621E-05
3.84479E-06	3.51621E-05

TAUvsControls

3.8448E-06	3.51621E-05
3.84536E-06	3.51621E-05
3.85284E-06	3.52074E-05
3.85306E-06	3.52074E-05
3.85778E-06	3.52379E-05
3.86414E-06	3.52835E-05
3.87039E-06	3.5328E-05
3.91075E-06	3.56837E-05
3.92329E-06	3.57854E-05
3.93395E-06	3.58698E-05
3.94357E-06	3.59448E-05
3.95199E-06	3.60088E-05
3.95543E-06	3.60273E-05
3.96294E-06	3.60829E-05
3.96481E-06	3.60871E-05
4.02045E-06	3.65805E-05
4.06443E-06	3.69676E-05
4.07E-06	3.70051E-05
4.08387E-06	3.71181E-05
4.11799E-06	3.74149E-05
4.12161E-06	3.74345E-05
4.14289E-06	3.76145E-05
4.14774E-06	3.76452E-05
4.16459E-06	3.77847E-05
4.17268E-06	3.78448E-05
4.18798E-06	3.79702E-05
4.19414E-06	3.80126E-05
4.19917E-06	3.80447E-05
4.20407E-06	3.80756E-05
4.20747E-06	3.80892E-05
4.20854E-06	3.80892E-05
4.23654E-06	3.83291E-05
4.23873E-06	3.83354E-05
4.25316E-06	3.84523E-05
4.27324E-06	3.86203E-05
4.3112E-06	3.89497E-05
4.31586E-06	3.8978E-05
4.31917E-06	3.89942E-05
4.33319E-06	3.9107E-05
4.39729E-06	3.96715E-05
4.39999E-06	3.96819E-05
4.40297E-06	3.96948E-05
4.4152E-06	3.97675E-05
4.41541E-06	3.97675E-05
4.41569E-06	3.97675E-05
4.42299E-06	3.98193E-05
4.43894E-06	3.99296E-05
4.43931E-06	3.99296E-05
4.44027E-06	3.99296E-05
4.44146E-06	3.99296E-05
4.47226E-06	4.01924E-05

TAUvsControls

4.4759E-06	4.0211E-05
4.48452E-06	4.02743E-05
4.4945E-06	4.03498E-05
4.50976E-06	4.04726E-05
4.53089E-06	4.0648E-05
4.58967E-06	4.1161E-05
4.60337E-06	4.12606E-05
4.60399E-06	4.12606E-05
4.61441E-06	4.13395E-05
4.6187E-06	4.13546E-05
4.61932E-06	4.13546E-05
4.65659E-06	4.16737E-05
4.67135E-06	4.17913E-05
4.68935E-06	4.19376E-05
4.74353E-06	4.24074E-05
4.75815E-06	4.25232E-05
4.76347E-06	4.25555E-05
4.76507E-06	4.25555E-05
4.78516E-06	4.272E-05
4.79286E-06	4.27738E-05
4.80706E-06	4.28857E-05
4.82556E-06	4.30357E-05
4.86454E-06	4.33683E-05
4.8893E-06	4.35739E-05
4.90484E-06	4.36972E-05
4.91159E-06	4.37422E-05
4.91852E-06	4.37887E-05
4.92622E-06	4.3842E-05
4.9512E-06	4.4049E-05
4.95752E-06	4.40747E-05
4.95752E-06	4.40747E-05
4.97212E-06	4.41892E-05
4.98176E-06	4.42595E-05
4.99434E-06	4.43559E-05
5.00262E-06	4.44069E-05
5.00355E-06	4.44069E-05
5.00915E-06	4.44413E-05
5.01705E-06	4.44698E-05
5.01774E-06	4.44698E-05
5.01798E-06	4.44698E-05
5.0193E-06	4.44698E-05
5.02316E-06	4.44886E-05
5.05051E-06	4.47154E-05
5.05475E-06	4.47375E-05
5.06123E-06	4.47794E-05
5.08203E-06	4.49479E-05
5.10355E-06	4.51227E-05
5.16015E-06	4.55848E-05
5.16022E-06	4.55848E-05
5.16115E-06	4.55848E-05
5.17674E-06	4.57067E-05

TAUvsControls

5.18883E-06	4.57977E-05
5.1963E-06	4.58479E-05
5.22993E-06	4.61288E-05
5.24052E-06	4.62063E-05
5.30534E-06	4.67617E-05
5.30796E-06	4.67687E-05
5.31674E-06	4.68301E-05
5.33105E-06	4.694E-05
5.33379E-06	4.69479E-05
5.34926E-06	4.7068E-05
5.36811E-06	4.72176E-05
5.38894E-06	4.73847E-05
5.41411E-06	4.75896E-05
5.42678E-06	4.76847E-05
5.45086E-06	4.78798E-05
5.45904E-06	4.79352E-05
5.50094E-06	4.82866E-05
5.52737E-06	4.85021E-05
5.54137E-06	4.86083E-05
5.54778E-06	4.86478E-05
5.58336E-06	4.89431E-05
5.58911E-06	4.89659E-05
5.58978E-06	4.89659E-05
5.5941E-06	4.8987E-05
5.59975E-06	4.90198E-05
5.62094E-06	4.91885E-05
5.65408E-06	4.94616E-05
5.65943E-06	4.94915E-05
5.6618E-06	4.94954E-05
5.6663E-06	4.94957E-05
5.66662E-06	4.94957E-05
5.66762E-06	4.94957E-05
5.71313E-06	4.98762E-05
5.73366E-06	5.00383E-05
5.76561E-06	5.03E-05
5.84635E-06	5.09871E-05
5.84965E-06	5.09985E-05
5.8616E-06	5.10681E-05
5.86161E-06	5.10681E-05
5.87007E-06	5.11244E-05
5.88714E-06	5.12557E-05
5.92648E-06	5.15807E-05
5.9551E-06	5.18122E-05
6.00356E-06	5.22106E-05
6.00496E-06	5.22106E-05
6.02304E-06	5.23479E-05
6.02483E-06	5.23479E-05
6.0279E-06	5.23568E-05
6.05747E-06	5.2579E-05
6.05759E-06	5.2579E-05
6.06028E-06	5.25846E-05

TAUvsControls

6.06754E-06	5.26298E-05
6.08842E-06	5.27931E-05
6.09538E-06	5.28356E-05
6.11997E-06	5.30308E-05
6.15747E-06	5.33377E-05
6.16357E-06	5.33725E-05
6.1696E-06	5.34067E-05
6.20426E-06	5.36886E-05
6.22697E-06	5.3867E-05
6.25969E-06	5.41318E-05
6.26759E-06	5.41818E-05
6.31234E-06	5.45502E-05
6.3306E-06	5.46897E-05
6.36217E-06	5.49439E-05
6.39602E-06	5.52176E-05
6.42312E-06	5.54329E-05
6.43894E-06	5.55508E-05
6.44264E-06	5.5564E-05
6.45638E-06	5.56637E-05
6.47962E-06	5.58454E-05
6.50729E-06	5.6065E-05
6.51682E-06	5.61283E-05
6.57548E-06	5.66145E-05
6.59085E-06	5.67278E-05
6.60661E-06	5.68444E-05
6.62555E-06	5.69882E-05
6.6292E-06	5.70005E-05
6.63347E-06	5.70181E-05
6.65515E-06	5.71852E-05
6.67615E-06	5.73465E-05
6.69045E-06	5.74501E-05
6.69759E-06	5.74921E-05
6.70497E-06	5.75363E-05
6.71381E-06	5.75928E-05
6.73255E-06	5.77343E-05
6.74328E-06	5.78031E-05
6.74514E-06	5.78031E-05
6.74734E-06	5.78031E-05
6.75581E-06	5.78563E-05
6.80006E-06	5.82158E-05
6.8419E-06	5.85545E-05
6.86967E-06	5.87726E-05
6.89225E-06	5.89461E-05
6.90603E-06	5.90443E-05
6.92209E-06	5.91618E-05
6.94577E-06	5.93444E-05
6.99075E-06	5.97089E-05
7.01592E-06	5.99039E-05
7.02588E-06	5.99689E-05
7.03091E-06	5.99919E-05
7.06864E-06	6.02938E-05

TAUvsControls

7.07619E-06	6.03382E-05
7.14728E-06	6.09241E-05
7.16332E-06	6.10405E-05
7.1697E-06	6.10746E-05
7.1889E-06	6.12178E-05
7.19447E-06	6.12449E-05
7.2151E-06	6.14002E-05
7.2451E-06	6.1635E-05
7.26067E-06	6.1747E-05
7.28989E-06	6.19749E-05
7.29574E-06	6.20041E-05
7.32676E-06	6.22368E-05
7.32797E-06	6.22368E-05
7.33293E-06	6.22583E-05
7.33574E-06	6.22615E-05
7.34678E-06	6.23347E-05
7.35727E-06	6.2403E-05
7.40499E-06	6.2787E-05
7.41188E-06	6.28246E-05
7.4219E-06	6.28887E-05
7.42658E-06	6.29076E-05
7.48671E-06	6.3396E-05
7.55999E-06	6.39954E-05
7.56727E-06	6.4036E-05
7.59173E-06	6.42218E-05
7.59562E-06	6.42335E-05
7.62674E-06	6.44753E-05
7.67481E-06	6.48604E-05
7.71341E-06	6.51651E-05
7.72433E-06	6.52359E-05
7.7313E-06	6.52733E-05
7.7784E-06	6.56493E-05
7.79136E-06	6.5737E-05
7.83925E-06	6.61194E-05
7.88153E-06	6.64541E-05
7.88489E-06	6.64606E-05
7.88785E-06	6.64637E-05
7.89744E-06	6.65227E-05
7.9054E-06	6.65678E-05
7.92558E-06	6.67158E-05
7.94366E-06	6.68461E-05
7.96895E-06	6.7037E-05
7.98788E-06	6.71567E-05
7.98842E-06	6.71567E-05
7.99684E-06	6.72054E-05
8.01946E-06	6.73735E-05
8.03699E-06	6.74986E-05
8.05431E-06	6.76219E-05
8.05898E-06	6.7639E-05
8.07363E-06	6.77398E-05
8.12166E-06	6.81205E-05

TAUvsControls

8.12964E-06	6.81651E-05
8.13597E-06	6.81959E-05
8.14453E-06	6.82454E-05
8.1529E-06	6.82932E-05
8.18556E-06	6.85444E-05
8.21361E-06	6.87568E-05
8.22133E-06	6.8799E-05
8.25984E-06	6.90987E-05
8.26831E-06	6.9147E-05
8.28786E-06	6.92826E-05
8.28992E-06	6.92826E-05
8.30446E-06	6.93815E-05
8.36061E-06	6.98278E-05
8.39704E-06	7.01092E-05
8.41566E-06	7.023E-05
8.41697E-06	7.023E-05
8.43168E-06	7.03298E-05
8.4655E-06	7.05889E-05
8.48878E-06	7.07601E-05
8.51975E-06	7.09952E-05
8.5589E-06	7.12982E-05
8.62603E-06	7.18341E-05
8.63405E-06	7.18776E-05
8.66025E-06	7.20723E-05
8.67697E-06	7.2188E-05
8.68129E-06	7.22005E-05
8.69786E-06	7.23148E-05
8.74137E-06	7.26531E-05
8.74846E-06	7.26884E-05
8.75443E-06	7.27145E-05
8.83213E-06	7.33361E-05
8.85831E-06	7.35297E-05
8.89265E-06	7.37701E-05
8.89302E-06	7.37701E-05
8.92685E-06	7.40135E-05
8.92813E-06	7.40135E-05
8.99423E-06	7.45373E-05
9.00061E-06	7.45661E-05
9.00378E-06	7.45683E-05
9.01008E-06	7.45964E-05
9.02772E-06	7.47183E-05
9.04776E-06	7.486E-05
9.07051E-06	7.5024E-05
9.08299E-06	7.5103E-05
9.09804E-06	7.52033E-05
9.14867E-06	7.55974E-05
9.15924E-06	7.56603E-05
9.17461E-06	7.57588E-05
9.17986E-06	7.57588E-05
9.18002E-06	7.57588E-05
9.18401E-06	7.57673E-05

TAUvsControls

9.2048E-06	7.59144E-05
9.236E-06	7.61472E-05
9.25024E-06	7.62402E-05
9.26014E-06	7.62972E-05
9.26359E-06	7.63012E-05
9.28659E-06	7.64661E-05
9.34564E-06	7.69276E-05
9.40998E-06	7.74323E-05
9.4403E-06	7.76569E-05
9.46844E-06	7.78634E-05
9.4862E-06	7.79844E-05
9.55478E-06	7.85231E-05
9.5773E-06	7.86829E-05
9.58341E-06	7.87079E-05
9.60895E-06	7.88924E-05
9.62899E-06	7.90317E-05
9.71829E-06	7.97391E-05
9.72932E-06	7.97805E-05
9.72955E-06	7.97805E-05
9.79308E-06	8.02757E-05
9.84872E-06	8.0706E-05
9.85957E-06	8.07691E-05
9.90516E-06	8.11065E-05
9.90708E-06	8.11065E-05
1.01265E-05	8.28765E-05
1.01796E-05	8.32845E-05
1.02092E-05	8.34996E-05
1.02144E-05	8.35157E-05
1.02409E-05	8.37062E-05
1.02659E-05	8.38834E-05
1.02723E-05	8.39086E-05
1.029E-05	8.40271E-05
1.03006E-05	8.40863E-05
1.03206E-05	8.42231E-05
1.03329E-05	8.42965E-05
1.03919E-05	8.47511E-05
1.04311E-05	8.50433E-05
1.04385E-05	8.5077E-05
1.04715E-05	8.53186E-05
1.05076E-05	8.55859E-05
1.05139E-05	8.56094E-05
1.05857E-05	8.61667E-05
1.07325E-05	8.73342E-05
1.07754E-05	8.76555E-05
1.08128E-05	8.79317E-05
1.08186E-05	8.79509E-05
1.08473E-05	8.81567E-05
1.08616E-05	8.82449E-05
1.0902E-05	8.85451E-05
1.09527E-05	8.89285E-05
1.10641E-05	8.98047E-05

TAUvsControls

1.10747E-05	8.98625E-05
1.11002E-05	9.00151E-05
1.11005E-05	9.00151E-05
1.11178E-05	9.01267E-05
1.11407E-05	9.02837E-05
1.11672E-05	9.04695E-05
1.12525E-05	9.11319E-05
1.12785E-05	9.13137E-05
1.13179E-05	9.16043E-05
1.14093E-05	9.23144E-05
1.14543E-05	9.26493E-05
1.14794E-05	9.28229E-05
1.1483E-05	9.28233E-05
1.14957E-05	9.28966E-05
1.15326E-05	9.31654E-05
1.15774E-05	9.34977E-05
1.15909E-05	9.35774E-05
1.17141E-05	9.45423E-05
1.17246E-05	9.45969E-05
1.1755E-05	9.48129E-05
1.17752E-05	9.49453E-05
1.17893E-05	9.50291E-05
1.18378E-05	9.539E-05
1.18752E-05	9.56619E-05
1.19124E-05	9.59117E-05
1.19137E-05	9.59117E-05
1.19177E-05	9.59136E-05
1.19254E-05	9.59458E-05
1.19485E-05	9.61016E-05
1.19664E-05	9.62152E-05
1.19883E-05	9.63607E-05
1.20575E-05	9.68865E-05
1.20615E-05	9.68886E-05
1.20694E-05	9.69215E-05
1.20831E-05	9.70012E-05
1.21362E-05	9.73969E-05
1.21605E-05	9.75618E-05
1.22082E-05	9.79134E-05
1.22225E-05	9.79975E-05
1.2231E-05	9.80357E-05
1.22464E-05	9.81283E-05
1.22894E-05	9.84415E-05
1.2368E-05	9.90405E-05
1.24234E-05	9.94533E-05
1.24333E-05	9.95012E-05
1.24472E-05	9.95818E-05
1.24987E-05	9.99627E-05
1.25029E-05	9.99648E-05
1.25363E-05	0.000100201
1.25612E-05	0.000100368
1.25945E-05	0.000100603

TAUvsControls

1.26881E-05	0.000101319
1.26923E-05	0.000101321
1.27203E-05	0.000101513
1.2725E-05	0.000101519
1.28023E-05	0.000102104
1.29282E-05	0.000103076
1.29514E-05	0.000103229
1.29867E-05	0.000103478
1.30101E-05	0.000103632
1.30572E-05	0.000103975
1.30747E-05	0.000104083
1.31045E-05	0.000104287
1.3125E-05	0.000104418
1.31294E-05	0.00010442
1.31503E-05	0.000104554
1.31923E-05	0.000104856
1.32478E-05	0.000105265
1.33494E-05	0.000106039
1.33595E-05	0.000106076
1.33624E-05	0.000106076
1.34395E-05	0.000106655
1.34481E-05	0.00010669
1.34628E-05	0.000106774
1.34839E-05	0.000106908
1.34897E-05	0.000106921
1.34975E-05	0.00010695
1.35628E-05	0.000107435
1.36125E-05	0.000107795
1.36179E-05	0.000107804
1.36748E-05	0.000108222
1.36977E-05	0.000108369
1.37123E-05	0.000108451
1.37723E-05	0.000108892
1.37886E-05	0.000108987
1.38072E-05	0.000109101
1.3909E-05	0.000109871
1.39331E-05	0.000110028
1.39823E-05	0.000110382
1.40196E-05	0.000110643
1.40357E-05	0.000110735
1.40633E-05	0.00011092
1.40934E-05	0.000111123
1.41045E-05	0.000111176
1.41199E-05	0.000111263
1.41543E-05	0.0001115
1.41609E-05	0.000111518
1.41799E-05	0.000111633
1.42093E-05	0.00011183
1.4214E-05	0.000111832
1.43012E-05	0.000112485
1.43249E-05	0.000112622

TAUvsControls

1.43275E-05	0.000112622
1.44018E-05	0.000113171
1.44071E-05	0.000113179
1.44288E-05	0.000113314
1.4532E-05	0.000114089
1.45678E-05	0.000114321
1.45703E-05	0.000114321
1.45872E-05	0.000114418
1.46044E-05	0.000114518
1.46275E-05	0.000114664
1.46815E-05	0.000115053
1.46891E-05	0.000115077
1.47187E-05	0.000115273
1.47441E-05	0.000115437
1.47791E-05	0.000115676
1.483E-05	0.000116034
1.4834E-05	0.000116034
1.48748E-05	0.000116318
1.48938E-05	0.000116431
1.51191E-05	0.000118156
1.52254E-05	0.000118951
1.524E-05	0.000119029
1.5257E-05	0.000119115
1.52603E-05	0.000119115
1.53469E-05	0.000119754
1.53656E-05	0.000119864
1.53976E-05	0.000120077
1.54111E-05	0.000120146
1.54808E-05	0.000120652
1.55311E-05	0.000121008
1.55623E-05	0.000121214
1.56394E-05	0.000121778
1.58569E-05	0.000123433
1.58884E-05	0.000123641
1.59055E-05	0.000123737
1.59915E-05	0.000124368
1.60337E-05	0.000124659
1.60791E-05	0.000124973
1.60888E-05	0.000125011
1.61145E-05	0.000125173
1.62321E-05	0.000126002
1.62354E-05	0.000126002
1.62398E-05	0.000126002
1.62409E-05	0.000126002
1.63089E-05	0.000126491
1.63274E-05	0.000126597
1.64406E-05	0.000127436
1.65413E-05	0.000128177
1.65472E-05	0.000128184
1.66042E-05	0.000128587
1.66662E-05	0.000129028

TAUvsControls

1.67197E-05	0.000129404
1.67885E-05	0.000129897
1.6906E-05	0.000130766
1.693E-05	0.000130912
1.70303E-05	0.000131649
1.71782E-05	0.000132752
1.72054E-05	0.000132856
1.7206E-05	0.000132856
1.72072E-05	0.000132856
1.72175E-05	0.000132895
1.72532E-05	0.000133122
1.72572E-05	0.000133122
1.72858E-05	0.000133302
1.7334E-05	0.000133633
1.73991E-05	0.000134095
1.74329E-05	0.000134316
1.74888E-05	0.000134705
1.75251E-05	0.000134945
1.75367E-05	0.000134994
1.76562E-05	0.000135865
1.76605E-05	0.000135865
1.76774E-05	0.000135954
1.76921E-05	0.000136026
1.77051E-05	0.000136086
1.77379E-05	0.000136297
1.77608E-05	0.000136432
1.77825E-05	0.000136558
1.7802E-05	0.000136667
1.78501E-05	0.000136995
1.78724E-05	0.000137125
1.78879E-05	0.000137203
1.79616E-05	0.000137705
1.79641E-05	0.000137705
1.8032E-05	0.000138184
1.80465E-05	0.000138254
1.80682E-05	0.000138379
1.80792E-05	0.000138422
1.81849E-05	0.00013919
1.82035E-05	0.00013929
1.82753E-05	0.000139798
1.83078E-05	0.000140005
1.83809E-05	0.000140522
1.84208E-05	0.000140759
1.84229E-05	0.000140759
1.8493E-05	0.000141224
1.84947E-05	0.000141224
1.86546E-05	0.000142402
1.8665E-05	0.000142439
1.8717E-05	0.000142794
1.87251E-05	0.000142813
1.87733E-05	0.000143138

TAUvsControls

1.88025E-05	0.000143318
1.88419E-05	0.000143576
1.89112E-05	0.000144061
1.89881E-05	0.000144604
1.90389E-05	0.000144948
1.9168E-05	0.000145887
1.92399E-05	0.000146391
1.92523E-05	0.000146408
1.92536E-05	0.000146408
1.92687E-05	0.00014648
1.93711E-05	0.000147215
1.94899E-05	0.000148074
1.9526E-05	0.000148304
1.95391E-05	0.000148359
1.95772E-05	0.000148605
1.95989E-05	0.000148726
1.96674E-05	0.000149201
1.97428E-05	0.000149729
1.98619E-05	0.000150588
2.00543E-05	0.000152002
2.02371E-05	0.000153341
2.02691E-05	0.000153539
2.03672E-05	0.000154196
2.03678E-05	0.000154196
2.04722E-05	0.00015494
2.0492E-05	0.000155044
2.07166E-05	0.000156697
2.09015E-05	0.000158049
2.11019E-05	0.000159517
2.11535E-05	0.00015986
2.12116E-05	0.000160252
2.13472E-05	0.00016123
2.14124E-05	0.000161674
2.1424E-05	0.000161714
2.14633E-05	0.000161963
2.17636E-05	0.000164181
2.19106E-05	0.000165231
2.19157E-05	0.000165231
2.19315E-05	0.000165302
2.19901E-05	0.000165695
2.20787E-05	0.000166314
2.20941E-05	0.00016638
2.2166E-05	0.000166873
2.2228E-05	0.00016729
2.23302E-05	0.00016801
2.23485E-05	0.000168099
2.23848E-05	0.000168322
2.24474E-05	0.000168734
2.24527E-05	0.000168734
2.24653E-05	0.000168779
2.25272E-05	0.000169195

TAUvsControls

2.26482E-05	0.000170054
2.27882E-05	0.000171021
2.27904E-05	0.000171021
2.28404E-05	0.000171347
2.28491E-05	0.000171362
2.29041E-05	0.000171724
2.29704E-05	0.000172171
2.306E-05	0.000172791
2.31841E-05	0.000173671
2.32014E-05	0.00017375
2.32083E-05	0.000173751
2.32157E-05	0.000173755
2.32722E-05	0.000174127
2.32971E-05	0.000174263
2.3417E-05	0.000175108
2.34319E-05	0.000175169
2.34586E-05	0.000175317
2.35401E-05	0.000175875
2.36316E-05	0.000176507
2.36897E-05	0.00017689
2.3862E-05	0.000178125
2.38716E-05	0.000178144
2.39394E-05	0.000178598
2.39575E-05	0.000178682
2.39739E-05	0.000178752
2.40097E-05	0.000178967
2.40507E-05	0.000179221
2.40969E-05	0.000179475
2.40988E-05	0.000179475
2.42573E-05	0.000180603
2.44182E-05	0.000181747
2.44302E-05	0.000181784
2.46628E-05	0.000183462
2.469E-05	0.000183611
2.4747E-05	0.000183981
2.47576E-05	0.000184007
2.47697E-05	0.000184015
2.4773E-05	0.000184015
2.48042E-05	0.000184193
2.49625E-05	0.000185315
2.51784E-05	0.000186863
2.51863E-05	0.000186868
2.52481E-05	0.000187272
2.53493E-05	0.000187969
2.54222E-05	0.000188455
2.54308E-05	0.000188464
2.54688E-05	0.000188691
2.54826E-05	0.000188739
2.54936E-05	0.000188766
2.55703E-05	0.000189279
2.55996E-05	0.0001894

TAUvsControls

2.56014E-05	0.0001894
2.56335E-05	0.000189583
2.56767E-05	0.000189848
2.58358E-05	0.000190969
2.58928E-05	0.000191335
2.59066E-05	0.000191382
2.59964E-05	0.00019193
2.60015E-05	0.00019193
2.60033E-05	0.00019193
2.60421E-05	0.000192108
2.60423E-05	0.000192108
2.60592E-05	0.000192178
2.61001E-05	0.000192424
2.64183E-05	0.000194713
2.64565E-05	0.000194939
2.65025E-05	0.000195222
2.65667E-05	0.000195639
2.65897E-05	0.000195751
2.65972E-05	0.000195751
2.67412E-05	0.000196754
2.6772E-05	0.000196924
2.68203E-05	0.000197223
2.68906E-05	0.000197683
2.69503E-05	0.000198065
2.69863E-05	0.000198273
2.70341E-05	0.000198568
2.70658E-05	0.000198743
2.71209E-05	0.000199091
2.72984E-05	0.000200337
2.74529E-05	0.000201413
2.75169E-05	0.000201825
2.77151E-05	0.000203221
2.77241E-05	0.000203228
2.78102E-05	0.000203801
2.78238E-05	0.00020381
2.78273E-05	0.00020381
2.78681E-05	0.000204051
2.78957E-05	0.000204194
2.79722E-05	0.000204696
2.80411E-05	0.000205141
2.82152E-05	0.000206356
2.83298E-05	0.000207085
2.8331E-05	0.000207085
2.83985E-05	0.000207519
2.84484E-05	0.0002078
2.84531E-05	0.0002078
2.89823E-05	0.000211604
2.91625E-05	0.000212859
2.92907E-05	0.000213734
2.93121E-05	0.00021383
2.93385E-05	0.000213961

TAUvsControls

2.94066E-05	0.000214398
2.97035E-05	0.000216482
2.97094E-05	0.000216482
2.97192E-05	0.000216492
2.97485E-05	0.000216644
2.9878E-05	0.000217525
2.99982E-05	0.000218338
3.03003E-05	0.000220475
3.03286E-05	0.000220618
3.04467E-05	0.000221414
3.06125E-05	0.000222557
3.06981E-05	0.000223116
3.07419E-05	0.000223371
3.08866E-05	0.000224358
3.09107E-05	0.00022447
3.11587E-05	0.000226207
3.12472E-05	0.000226786
3.14357E-05	0.000228089
3.14597E-05	0.000228198
3.14877E-05	0.000228337
3.16179E-05	0.000229124
3.16218E-05	0.000229124
3.1623E-05	0.000229124
3.17305E-05	0.000229838
3.18054E-05	0.000230315
3.18734E-05	0.000230743
3.19211E-05	0.000231023
3.19643E-05	0.00023127
3.20106E-05	0.000231539
3.20296E-05	0.000231612
3.21955E-05	0.000232746
3.22808E-05	0.000233278
3.22873E-05	0.000233278
3.2311E-05	0.000233383
3.23312E-05	0.000233464
3.24149E-05	0.000234002
3.25E-05	0.000234551
3.25629E-05	0.000234938
3.2851E-05	0.000236885
3.28511E-05	0.000236885
3.29536E-05	0.000237543
3.2961E-05	0.000237543
3.31508E-05	0.000238844
3.32132E-05	0.000239227
3.34399E-05	0.000240791
3.34745E-05	0.000240973
3.35492E-05	0.000241443
3.36642E-05	0.000242203
3.36912E-05	0.000242329
3.38577E-05	0.000243459
3.38799E-05	0.00024355

TAUvsControls

3.39559E-05	0.000244028
3.4069E-05	0.000244699
3.40738E-05	0.000244699
3.4078E-05	0.000244699
3.41733E-05	0.000245303
3.41811E-05	0.000245303
3.4336E-05	0.000246345
3.44874E-05	0.000247362
3.45045E-05	0.000247415
3.4548E-05	0.000247658
3.47227E-05	0.000248841
3.4921E-05	0.000250193
3.50853E-05	0.000251299
3.51241E-05	0.000251507
3.53206E-05	0.000252843
3.53826E-05	0.000253148
3.53829E-05	0.000253148
3.56035E-05	0.000254655
3.59474E-05	0.000257044
3.60274E-05	0.000257544
3.60626E-05	0.000257724
3.61744E-05	0.00025845
3.65928E-05	0.000261367
3.66248E-05	0.000261523
3.68568E-05	0.000263106
3.68935E-05	0.000263295
3.69054E-05	0.000263306
3.69185E-05	0.000263327
3.70335E-05	0.000264073
3.70966E-05	0.00026445
3.71826E-05	0.000264989
3.72692E-05	0.000265532
3.72959E-05	0.000265649
3.74249E-05	0.000266494
3.74909E-05	0.00026689
3.75802E-05	0.000267451
3.7704E-05	0.000268258
3.78565E-05	0.000269269
3.80232E-05	0.000270379
3.80742E-05	0.000270666
3.80997E-05	0.000270773
3.81333E-05	0.000270936
3.81716E-05	0.000271133
3.82216E-05	0.000271414
3.8244E-05	0.000271498
3.8299E-05	0.000271813
3.88596E-05	0.000275715
3.89314E-05	0.000276148
3.91061E-05	0.00027731
3.91493E-05	0.00027754
3.92851E-05	0.000278414

TAUvsControls

3.92943E-05	0.000278414
3.93191E-05	0.000278513
3.95437E-05	0.000280027
3.95966E-05	0.000280284
3.96019E-05	0.000280284
3.97892E-05	0.000281532
3.98526E-05	0.000281903
3.98838E-05	0.000282046
3.99924E-05	0.000282736
4.00633E-05	0.000283159
4.01582E-05	0.000283751
4.03117E-05	0.000284758
4.03588E-05	0.000285012
4.0505E-05	0.000285965
4.07648E-05	0.000287721
4.08219E-05	0.000288044
4.0846E-05	0.000288135
4.10159E-05	0.000289254
4.11064E-05	0.000289813
4.13244E-05	0.00029127
4.14589E-05	0.000292137
4.16155E-05	0.00029316
4.16325E-05	0.0002932
4.17716E-05	0.000294099
4.18563E-05	0.000294613
4.18885E-05	0.00029476
4.2012E-05	0.000295548
4.22418E-05	0.000297083
4.25264E-05	0.000299002
4.25647E-05	0.000299189
4.26047E-05	0.000299388
4.2661E-05	0.000299702
4.27525E-05	0.000300262
4.28323E-05	0.000300741
4.28545E-05	0.000300814
4.29036E-05	0.000301077
4.31339E-05	0.00030261
4.31841E-05	0.000302879
4.32966E-05	0.000303585
4.35328E-05	0.000305158
4.3572E-05	0.00030535
4.37239E-05	0.00030633
4.39506E-05	0.000307834
4.42257E-05	0.000309676
4.43065E-05	0.000310158
4.45627E-05	0.000311866
4.46982E-05	0.000312729
4.47412E-05	0.000312944
4.50063E-05	0.000314713
4.50932E-05	0.000315235
4.51235E-05	0.000315361

TAUvsControls

4.52489E-05	0.000316151
4.53338E-05	0.000316658
4.55294E-05	0.000317937
4.55833E-05	0.000318227
4.59496E-05	0.000320697
4.6003E-05	0.00032095
4.60109E-05	0.00032095
4.63214E-05	0.000323028
4.63722E-05	0.000323294
4.65194E-05	0.000324233
4.6687E-05	0.000325313
4.68802E-05	0.00032657
4.6928E-05	0.000326814
4.70201E-05	0.000327352
4.70308E-05	0.000327352
4.72073E-05	0.000328492
4.7446E-05	0.000330063
4.75356E-05	0.000330597
4.75702E-05	0.000330747
4.76808E-05	0.000331426
4.76974E-05	0.000331452
4.78526E-05	0.000332441
4.79709E-05	0.000333172
4.80191E-05	0.000333417
4.81346E-05	0.000334129
4.81878E-05	0.000334407
4.82542E-05	0.000334777
4.84807E-05	0.000336258
4.86748E-05	0.000337513
4.87347E-05	0.000337837
4.87543E-05	0.000337882
4.90127E-05	0.00033958
4.90931E-05	0.000340046
4.95856E-05	0.000343365
4.96602E-05	0.000343788
5.01117E-05	0.000346792
5.01211E-05	0.000346792
5.05383E-05	0.00034947
5.05483E-05	0.00034947
5.05491E-05	0.00034947
5.0581E-05	0.000349596
5.08042E-05	0.000351044
5.08926E-05	0.00035156
5.10826E-05	0.000352732
5.10897E-05	0.000352732
5.13405E-05	0.000354368
5.15316E-05	0.00035546
5.15378E-05	0.00035546
5.15428E-05	0.00035546
5.15541E-05	0.00035546
5.1666E-05	0.000356135

TAUvsControls

5.17854E-05	0.000356863
5.1981E-05	0.000358115
5.20527E-05	0.000358512
5.21578E-05	0.00035914
5.22352E-05	0.000359576
5.23964E-05	0.000360589
5.252E-05	0.000361299
5.25277E-05	0.000361299
5.25707E-05	0.000361497
5.26121E-05	0.000361685
5.2635E-05	0.000361746
5.28322E-05	0.000363004
5.33782E-05	0.000366657
5.34971E-05	0.000367375
5.39019E-05	0.000370056
5.39445E-05	0.00037025
5.40948E-05	0.000371182
5.42378E-05	0.000372064
5.45751E-05	0.000374277
5.46468E-05	0.000374669
5.4681E-05	0.000374803
5.50627E-05	0.000377319
5.51708E-05	0.000377958
5.5448E-05	0.000379756
5.55797E-05	0.000380557
5.56239E-05	0.000380757
5.56456E-05	0.000380804
5.59857E-05	0.000383029
5.64063E-05	0.000385804
5.69867E-05	0.00038967
5.72784E-05	0.00039156
5.74262E-05	0.000392466
5.74424E-05	0.000392472
5.74964E-05	0.000392666
5.75014E-05	0.000392666
5.78483E-05	0.000394929
5.78906E-05	0.000395114
5.79333E-05	0.000395299
5.82803E-05	0.000397561
5.84619E-05	0.000398694
5.84845E-05	0.000398743
5.87164E-05	0.000400217
5.88327E-05	0.000400903
5.88829E-05	0.000401093
5.88919E-05	0.000401093
5.91337E-05	0.000402634
5.92472E-05	0.000403299
5.93326E-05	0.000403702
5.93378E-05	0.000403702
5.9423E-05	0.000404174
5.94471E-05	0.000404231

TAUvsControls

5.95583E-05	0.00040488
5.96468E-05	0.000405374
5.97382E-05	0.000405887
5.97936E-05	0.000406156
5.98641E-05	0.000406527
5.99842E-05	0.000407235
6.00436E-05	0.000407531
6.01423E-05	0.000408092
6.03711E-05	0.000409536
6.0556E-05	0.000410682
6.06021E-05	0.000410873
6.06162E-05	0.000410873
6.06596E-05	0.000411059
6.07789E-05	0.000411759
6.08388E-05	0.000412056
6.08705E-05	0.000412066
6.08725E-05	0.000412066
6.0979E-05	0.000412607
6.09845E-05	0.000412607
6.10027E-05	0.000412621
6.12275E-05	0.000414032
6.14591E-05	0.000415489
6.14892E-05	0.000415583
6.17333E-05	0.000417123
6.20193E-05	0.000418945
6.21371E-05	0.00041963
6.22654E-05	0.000420386
6.35262E-05	0.000428785
6.36039E-05	0.000429107
6.36073E-05	0.000429107
6.46077E-05	0.000435741
6.46352E-05	0.000435812
6.47176E-05	0.000436167
6.47219E-05	0.000436167
6.49987E-05	0.000437917
6.52867E-05	0.000439742
6.55845E-05	0.000441624
6.56006E-05	0.000441624
6.59745E-05	0.000444025
6.61556E-05	0.000445127
6.62175E-05	0.000445334
6.62211E-05	0.000445334
6.63585E-05	0.000446141
6.66191E-05	0.000447678
6.6622E-05	0.000447678
6.66512E-05	0.000447757
6.69116E-05	0.000449389
6.71625E-05	0.000450956
6.73483E-05	0.000452085
6.7404E-05	0.000452341
6.7422E-05	0.000452343

TAUvsControls

6.78213E-05	0.000454903
6.78974E-05	0.000455294
6.79524E-05	0.000455544
6.82949E-05	0.000457721
6.8494E-05	0.000458935
6.88523E-05	0.000461215
6.89265E-05	0.000461526
6.89347E-05	0.000461526
6.91817E-05	0.000463059
6.97818E-05	0.000466954
7.01182E-05	0.000469082
7.03733E-05	0.000470666
7.04651E-05	0.000471114
7.0477E-05	0.000471114
7.05045E-05	0.000471175
7.07736E-05	0.00047285
7.12974E-05	0.000476226
7.14594E-05	0.000477123
7.14689E-05	0.000477123
7.20651E-05	0.000480978
7.27927E-05	0.000485708
7.34199E-05	0.000489765
7.34465E-05	0.000489815
7.36334E-05	0.000490934
7.38285E-05	0.000492107
7.3967E-05	0.0004929
7.39859E-05	0.0004929
7.41314E-05	0.000493741
7.42044E-05	0.000494099
7.4283E-05	0.000494494
7.44121E-05	0.000495161
7.44218E-05	0.000495161
7.45645E-05	0.000495982
7.46509E-05	0.000496427
7.48204E-05	0.000497426
7.48404E-05	0.00049743
7.49283E-05	0.000497885
7.53554E-05	0.000500594
7.58768E-05	0.000503927
7.60481E-05	0.000504933
7.60991E-05	0.000505141
7.62135E-05	0.000505769
7.65068E-05	0.000507585
7.67513E-05	0.000509075
7.73059E-05	0.000512621
7.77513E-05	0.000515417
7.77677E-05	0.000515417
7.7822E-05	0.000515644
7.81889E-05	0.000517941
7.8751E-05	0.000521529
7.89017E-05	0.000522393

TAUvsControls

7.93173E-05	0.000525009
7.9595E-05	0.000526711
7.98563E-05	0.000528304
8.05699E-05	0.000532887
8.07264E-05	0.000533785
8.09853E-05	0.000535359
8.10461E-05	0.000535623
8.12039E-05	0.000536527
8.15981E-05	0.000538993
8.16336E-05	0.000539088
8.1709E-05	0.000539448
8.19487E-05	0.000540891
8.23869E-05	0.000543643
8.24746E-05	0.000544082
8.30795E-05	0.000547931
8.34397E-05	0.000550166
8.3526E-05	0.000550593
8.38119E-05	0.000552336
8.39084E-05	0.00055283
8.40678E-05	0.000553738
8.42888E-05	0.000554957
8.42962E-05	0.000554957
8.45181E-05	0.000556275
8.4766E-05	0.000557764
8.52656E-05	0.000560787
8.52854E-05	0.000560787
8.52911E-05	0.000560787
8.53379E-05	0.000560951
8.59501E-05	0.000564831
8.60184E-05	0.000565135
8.60867E-05	0.000565439
8.63158E-05	0.000566799
8.64086E-05	0.000567262
8.65046E-05	0.000567747
8.67315E-05	0.000569091
8.70061E-05	0.000570747
8.75955E-05	0.000574466
8.76329E-05	0.000574565
8.77027E-05	0.000574875
8.7774E-05	0.000575196
8.78298E-05	0.000575349
8.78423E-05	0.000575349
8.81538E-05	0.000577242
8.83901E-05	0.000578642
8.84753E-05	0.000579051
8.85528E-05	0.000579411
8.88496E-05	0.000581205
8.93583E-05	0.000584383
8.94757E-05	0.000585002
8.96227E-05	0.000585813
8.9787E-05	0.000586738

TAUvsControls

8.99357E-05	0.00058756
9.04797E-05	0.000590964
9.05959E-05	0.000591572
9.09815E-05	0.000593939
9.10454E-05	0.000594204
9.13779E-05	0.000596222
9.15804E-05	0.000597392
9.16528E-05	0.000597712
9.17073E-05	0.000597916
9.17685E-05	0.000598163
9.17928E-05	0.000598169
9.18659E-05	0.000598494
9.19926E-05	0.000599167
9.21883E-05	0.000600289
9.22545E-05	0.000600568
9.29087E-05	0.000604657
9.29298E-05	0.000604657
9.33655E-05	0.000607272
9.33854E-05	0.000607272
9.34028E-05	0.000607272
9.34452E-05	0.000607394
9.39156E-05	0.000610297
9.44341E-05	0.000613511
9.44987E-05	0.000613775
9.457E-05	0.000614082
9.46978E-05	0.000614757
9.47243E-05	0.000614773
9.499E-05	0.000616342
9.53298E-05	0.00061839
9.60831E-05	0.000623119
9.62443E-05	0.000624006
9.64546E-05	0.000625212
9.67427E-05	0.000626921
9.71368E-05	0.000629316
9.79661E-05	0.000634528
9.82861E-05	0.00063644
9.83192E-05	0.000636494
9.88183E-05	0.000639564
9.8944E-05	0.000640216
9.9244E-05	0.000641995
9.93408E-05	0.000642459
9.94106E-05	0.000642748
9.95073E-05	0.000643211
9.99626E-05	0.000645992
0.000100556	0.000649664
0.000100712	0.00065051
0.00010177	0.000657173
0.000102006	0.000658533
0.000102099	0.00065897
0.000102181	0.000659331
0.000102293	0.000659889

TAUvsControls

0.000102431	0.00066061
0.000102459	0.000660625
0.000102622	0.00066151
0.000102651	0.000661529
0.000103473	0.000666516
0.000103489	0.000666516
0.000103502	0.000666516
0.00010359	0.000666915
0.000103625	0.000666971
0.000104009	0.000669275
0.000104083	0.000669584
0.00010414	0.000669681
0.000104151	0.000669681
0.000104879	0.000674197
0.000104972	0.000674628
0.000105053	0.000674975
0.000105127	0.000675282
0.000105396	0.000676838
0.000105909	0.000679964
0.000105986	0.000680291
0.000106031	0.000680409
0.000106414	0.00068261
0.000106427	0.00068261
0.000106518	0.000683019
0.00010668	0.000683889
0.000107099	0.000686403
0.000107711	0.00069007
0.000107725	0.00069007
0.00010788	0.000690888
0.000108021	0.000691623
0.000108079	0.000691816
0.000108228	0.000692603
0.00010844	0.000693783
0.00010883	0.000696054
0.000108849	0.000696054
0.000109145	0.000697773
0.000109227	0.00069812
0.000109301	0.000698419
0.000109557	0.000699879
0.000109997	0.00070252
0.0001102	0.000703639
0.000110358	0.000704471
0.000110629	0.000706029
0.000110696	0.000706278
0.000110825	0.000706924
0.000111407	0.000710464
0.000111566	0.000711302
0.000112213	0.000715244
0.000112747	0.000718473
0.000114015	0.000726372
0.000114084	0.000726631

TAUvsControls

0.0001145	0.0007291
0.000114581	0.000729434
0.000114718	0.000730125
0.000114884	0.000730997
0.000115078	0.000731935
0.000115088	0.000731935
0.000115274	0.000732933
0.000115482	0.000734077
0.000115628	0.000734823
0.000115757	0.000735458
0.000116322	0.000738869
0.000116889	0.000742285
0.000117075	0.000743284
0.000117664	0.000746838
0.000117764	0.000747284
0.000117917	0.000748072
0.000117978	0.000748276
0.000118639	0.000752282
0.000118685	0.000752318
0.000118721	0.000752318
0.000118733	0.000752318
0.000118955	0.00075354
0.000119348	0.000755842
0.000119888	0.000759076
0.000120167	0.000760652
0.000120423	0.000762085
0.000120538	0.000762626
0.000121054	0.000765698
0.000121275	0.00076691
0.000121657	0.000769136
0.000122466	0.000774059
0.000122772	0.000775804
0.000122947	0.000776715
0.000123121	0.000777623
0.000123194	0.000777892
0.000123282	0.000778259
0.000123568	0.000779872
0.000123962	0.000782162
0.000124289	0.000784035
0.000124711	0.000786504
0.000125114	0.000788851
0.000125724	0.0007925
0.000126559	0.000797572
0.000126852	0.000799222
0.000127114	0.000800672
0.000127556	0.00080326
0.000129194	0.000813307
0.000129215	0.000813307
0.000129311	0.000813714
0.000130003	0.000817869
0.000130413	0.000820248

TAUvsControls

0.000130811	0.000822545
0.000131189	0.000824526
0.00013119	0.000824526
0.000131669	0.000827337
0.000131948	0.000828884
0.000132522	0.000832286
0.000132562	0.000832334
0.000133647	0.000838941
0.000134152	0.000841789
0.000134166	0.000841789
0.000134378	0.00084291
0.000134823	0.000845496
0.000134936	0.000845763
0.000134958	0.000845763
0.000134965	0.000845763
0.000135574	0.000849374
0.00013677	0.000856655
0.000137116	0.000858614
0.00013721	0.000858993
0.000137481	0.000860483
0.000137838	0.000862507
0.000137885	0.00086259
0.000138078	0.000863515
0.0001381	0.000863515
0.000138275	0.000864398
0.00013867	0.000866652
0.00013902	0.000868632
0.000139278	0.000870029
0.000139504	0.000871229
0.000139687	0.000872162
0.00014019	0.00087509
0.000140564	0.000877207
0.000140671	0.000877664
0.000141121	0.000880253
0.000141345	0.000881437
0.000141496	0.000882167
0.000141608	0.000882652
0.000141646	0.000882672
0.0001426	0.000888399
0.000142663	0.000888575
0.000142794	0.00088918
0.000143057	0.000890597
0.000143334	0.000892104
0.000143457	0.000892657
0.000143501	0.000892711
0.000143628	0.000893287
0.000144255	0.000896967
0.000144749	0.000899729
0.000144769	0.000899729
0.000144991	0.000900888
0.000145261	0.000902347

TAUvsControls

0.00014595	0.000906407
0.000146376	0.000908835
0.000146582	0.000909897
0.000146883	0.00091154
0.000147504	0.000915175
0.000147576	0.000915227
0.000147584	0.000915227
0.000148305	0.000919477
0.000149018	0.000923674
0.00015	0.000929534
0.000150298	0.000931156
0.000150363	0.000931335
0.000151179	0.000936107
0.000151206	0.000936107
0.000151274	0.000936303
0.000151444	0.000937123
0.000151679	0.000938357
0.00015184	0.000939125
0.000152809	0.000944886
0.000153815	0.000950879
0.000154028	0.000951909
0.000154064	0.000951909
0.000154113	0.000951909
0.00015413	0.000951909
0.000154178	0.000951975
0.000154464	0.000953513
0.000154529	0.000953686
0.000154908	0.000955795
0.00015537	0.000958413
0.000155465	0.000958767
0.000156041	0.000962088
0.000156579	0.000965175
0.000156895	0.00096689
0.000157549	0.000970689
0.000157714	0.000971471
0.00015839	0.000975403
0.000158581	0.00097634
0.000160232	0.000986269
0.000161189	0.000991926
0.00016161	0.000993944
0.000161615	0.000993944
0.000161634	0.000993944
0.000161887	0.000995262
0.000162263	0.000997336
0.000162365	0.000997726
0.00016247	0.000998097
0.00016254	0.000998097
0.000162542	0.000998097
0.000162664	0.000998569
0.000162697	0.000998569
0.000162835	0.000999178

TAUvsControls

0.000163039	0.001000186
0.000163962	0.001005609
0.000165119	0.001012426
0.000165152	0.001012426
0.000165618	0.001015036
0.000166099	0.001017746
0.000166876	0.001022261
0.000168056	0.001029242
0.00016846	0.001031468
0.000168715	0.001032787
0.000169045	0.001034558
0.000169244	0.00103553
0.000169569	0.001037269
0.00017075	0.001044246
0.000171297	0.001047339
0.000171423	0.001047861
0.000171555	0.001048419
0.000172265	0.001052507
0.000174317	0.001064788
0.000174497	0.001065637
0.000175039	0.001068692
0.000176835	0.001079399
0.000178091	0.001086808
0.000178302	0.001087837
0.000179564	0.001095275
0.000179891	0.001097013
0.000180173	0.001098471
0.00018034	0.001099227
0.000181847	0.001108037
0.000181873	0.001108037
0.000181915	0.001108037
0.00018207	0.001108716
0.000182326	0.00111001
0.000182498	0.001110793
0.000183301	0.001115417
0.000183462	0.00111613
0.000183615	0.001116801
0.000185283	0.001126676
0.000185564	0.001128119
0.000186104	0.001130957
0.000186119	0.001130957
0.000186208	0.001131227
0.000187052	0.001136088
0.000187238	0.00113695
0.00018741	0.001137725
0.000187589	0.00113854
0.000188052	0.00114108
0.000190407	0.001155095
0.00019189	0.001163816
0.00019197	0.001164029
0.000192838	0.001169015

TAUvsControls

0.000193735	0.001174174
0.000193781	0.001174174
0.000194334	0.001177247
0.000195069	0.001181425
0.000195456	0.001183488
0.000196366	0.001188505
0.000196377	0.001188505
0.000197285	0.001193714
0.000197904	0.001197181
0.000198741	0.001201958
0.000199245	0.001204722
0.000199497	0.001205963
0.000200162	0.0012097
0.000201117	0.001215119
0.000201154	0.001215119
0.000201204	0.001215135
0.000201258	0.001215175
0.000201384	0.001215648
0.000202158	0.001220035
0.000202849	0.00122392
0.000203153	0.001225465
0.000203229	0.001225636
0.000204117	0.001230701
0.000204551	0.001233025
0.00020465	0.001233335
0.000205174	0.001236042
0.000205196	0.001236042
0.000206025	0.001240745
0.000206429	0.001242886
0.000206517	0.001243124
0.000206607	0.001243378
0.00020696	0.001245208
0.000207213	0.001246435
0.000207715	0.001249165
0.000207934	0.001250187
0.000209188	0.001257004
0.000209201	0.001257004
0.000209224	0.001257004
0.000209264	0.001257004
0.00020955	0.001258429
0.000210513	0.001263918
0.000210569	0.001263958
0.000210964	0.001266033
0.000211118	0.001266661
0.000214914	0.001289103
0.000214959	0.001289103
0.000215588	0.001292394
0.000215609	0.001292394
0.000215908	0.001293882
0.0002166	0.001297613
0.000216631	0.001297613

TAUvsControls

0.000217417	0.001301937
0.000217455	0.001301937
0.000217553	0.001302221
0.000217742	0.001303048
0.000218	0.001304289
0.000221043	0.001322187
0.000222272	0.001329229
0.000222392	0.001329633
0.000222749	0.001331461
0.000223182	0.001333736
0.000223237	0.001333753
0.000223382	0.001334311
0.000225631	0.001347429
0.000227471	0.001358102
0.00022886	0.001366074
0.00022988	0.001371843
0.00023012	0.001372961
0.000231953	0.001383573
0.000232018	0.001383637
0.000232315	0.001385087
0.000233017	0.00138895
0.000233468	0.001391313
0.000233731	0.001392559
0.000233787	0.001392567
0.000233898	0.001392905
0.000234392	0.001395527
0.000235105	0.001399445
0.000235489	0.001401408
0.000235688	0.001402267
0.000236346	0.001405851
0.000236615	0.001407129
0.000237362	0.001411243
0.000237858	0.001413863
0.000239268	0.001421916
0.000239748	0.001424436
0.000239901	0.001425017
0.000242569	0.001440528
0.000242828	0.001441735
0.000243722	0.001446709
0.00024468	0.001452057
0.000245743	0.001458032
0.000245809	0.001458085
0.000246865	0.001464009
0.00024693	0.001464057
0.000247918	0.001469575
0.000248678	0.001473737
0.000249833	0.001480242
0.00024992	0.001480418
0.000250635	0.001484311
0.000250852	0.001485253
0.000251295	0.001487531

TAUvsControls

0.000251963	0.001491142
0.000252189	0.001492132
0.000252452	0.001493345
0.000252519	0.001493395
0.00025261	0.001493588
0.000253439	0.001498144
0.000255008	0.001507071
0.000255953	0.00151231
0.000256201	0.001513429
0.000256299	0.001513656
0.000256896	0.001516831
0.000258173	0.00152402
0.000258593	0.001526152
0.000263388	0.00155409
0.000263772	0.001555999
0.000265064	0.00156326
0.000265691	0.001566602
0.00026591	0.001567531
0.000266813	0.001572495
0.000267502	0.001576192
0.000268364	0.001580668
0.000268385	0.001580668
0.000269446	0.00158655
0.000269838	0.001588497
0.000269968	0.001588896
0.000270369	0.001590708
0.0002704	0.001590708
0.000270783	0.001592594
0.000271181	0.001594573
0.000271471	0.00159591
0.000274879	0.001615575
0.000275004	0.001615937
0.000276107	0.001622047
0.0002787	0.001636909
0.000279069	0.001638699
0.000280942	0.001649244
0.000280993	0.001649244
0.000281371	0.001651083
0.000282892	0.001659627
0.000285271	0.001673201
0.000285527	0.00167432
0.000285917	0.001676223
0.000286559	0.001679604
0.000286896	0.001680889
0.00028691	0.001680889
0.000286975	0.001680889
0.000287748	0.001685032
0.000288591	0.001689587
0.000289019	0.001691703
0.00028937	0.001693374
0.000289572	0.001694169

TAUvsControls

0.000289784	0.001695023
0.000290359	0.001697995
0.000290639	0.001699245
0.000291257	0.001702472
0.000293404	0.001714634
0.000295262	0.001725099
0.000296722	0.001733229
0.000297952	0.001740021
0.000298044	0.001740162
0.000298116	0.001740188
0.000299721	0.001749158
0.000299858	0.001749559
0.000300281	0.00175163
0.000300565	0.001752884
0.000301108	0.001755652
0.000301669	0.001758527
0.000302959	0.001765643
0.000303093	0.001766021
0.000303839	0.001769968
0.00030405	0.001770796
0.000304922	0.00177547
0.000305066	0.001775907
0.000305588	0.001778543
0.000306921	0.001785892
0.000307888	0.001791114
0.000308333	0.001793296
0.00030994	0.001802234
0.000310058	0.001802509
0.000310571	0.001805086
0.000310827	0.001806165
0.000311181	0.001807808
0.000312681	0.001816116
0.000313118	0.00181824
0.000313381	0.001819356
0.000314799	0.001827175
0.000315075	0.001828359
0.00031542	0.001829948
0.000315563	0.001830364
0.000315671	0.001830575
0.000315747	0.001830603
0.000315906	0.001831115
0.000316295	0.001832952
0.000316506	0.00183376
0.000317401	0.001838532
0.000319153	0.001848262
0.000319753	0.001851318
0.000322377	0.001866092
0.000322782	0.001868013
0.000323447	0.00187144
0.000323764	0.00187285
0.000325485	0.00188238

TAUvsControls

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0.000326666	0.00188836
0.000327057	0.001890196
0.000327201	0.001890601
0.000328478	0.001897553
0.000328916	0.001899653
0.000330461	0.001908148
0.000331512	0.001913788
0.000332141	0.001916983
0.000333174	0.001922514
0.000333857	0.001926022
0.000333961	0.001926187
0.000334349	0.001927993
0.000334663	0.001929369
0.000335457	0.001933512
0.000337577	0.001945297
0.000337798	0.001946135
0.000339458	0.001955258
0.000339709	0.001956265
0.00034007	0.001957443
0.000340124	0.001957443
0.000340143	0.001957443
0.000340786	0.001960705
0.000341719	0.001965631
0.000342172	0.001967795
0.000343404	0.001974441
0.000343865	0.001976534
0.000343923	0.001976534
0.000344065	0.001976908
0.000344576	0.001979404
0.000344775	0.0019801
0.000345091	0.001981475
0.000345393	0.001982765
0.000346231	0.001987127
0.000347829	0.001995856
0.000348422	0.001998808
0.000350327	0.002009288
0.000350467	0.002009641
0.000353876	0.002028739
0.00035397	0.002028822
0.000354911	0.002033758
0.000356158	0.002040449
0.000356675	0.002042956
0.000357739	0.002048593
0.000358402	0.002051931
0.000360234	0.002061962
0.000360444	0.002062702
0.000360531	0.00206274
0.000361528	0.00206798
0.000361896	0.002069626
0.000362668	0.002073578

TAUvsControls

0.000363281	0.002076621
0.000364554	0.002083434
0.000365089	0.002086026
0.000365634	0.002088676
0.000365999	0.002090295
0.000368031	0.002101432
0.000370875	0.002117197
0.00037158	0.002120752
0.000371988	0.002122407
0.000372036	0.002122407
0.000372851	0.002126585
0.000374037	0.002132876
0.000374574	0.002135465
0.000375507	0.002140307
0.000375633	0.002140548
0.000376807	0.002146461
0.000376881	0.002146461
0.000376922	0.002146461
0.000377472	0.002149117
0.000378051	0.002151939
0.000378841	0.002155956
0.000379513	0.002159303
0.000379619	0.002159428
0.000380366	0.002163195
0.000380634	0.002164239
0.000381152	0.002166705
0.00038145	0.002167918
0.000381914	0.002169595
0.000381914	0.002169595
0.000382216	0.002170346
0.000382216	0.002170346
0.00038351	0.002177214
0.000384037	0.002179724
0.000385191	0.002185789
0.000386557	0.002193057
0.000388278	0.002202334
0.000390237	0.002212956
0.000390337	0.002213029
0.000390612	0.002214103
0.00039076	0.002214449
0.000391171	0.002216288
0.00039359	0.0022295
0.000394401	0.002233602
0.00039468	0.002234691
0.000395343	0.002237951
0.000396319	0.002242983
0.000396457	0.002243266
0.000397013	0.002245917
0.000397706	0.002249344
0.000399097	0.002256709
0.000399749	0.002259902

TAUvsControls

0.000400648	0.002264481
0.0004049	0.002288008
0.00040546	0.002290673
0.000406287	0.002294838
0.000406632	0.002296281
0.0004101	0.002315354
0.000410211	0.002315472
0.000410878	0.002318724
0.000411636	0.002322491
0.00041187	0.002323299
0.000412549	0.002326622
0.000413481	0.002331363
0.000413576	0.002331388
0.000413668	0.002331395
0.000415402	0.002340649
0.000418313	0.002356537
0.000419201	0.002361018
0.000419677	0.002363182
0.000423545	0.002384439
0.000429306	0.00241634
0.000432824	0.002435608
0.000433213	0.002437262
0.000433569	0.002438732
0.000435274	0.002447783
0.000436758	0.002455591
0.000437073	0.002456821
0.000439529	0.002470089
0.000440389	0.002474377
0.000442502	0.002485704
0.000442664	0.002486072
0.000443089	0.002487913
0.000445286	0.002499266
0.000445306	0.002499266
0.000445713	0.002501008
0.000445856	0.002501261
0.000446442	0.002503998
0.000447615	0.002510029
0.000448234	0.002512951
0.000448413	0.002513405
0.000453839	0.002543263
0.000455871	0.00255409
0.000456647	0.002557882
0.000456805	0.002558209
0.000456997	0.002558652
0.000457169	0.002558652
0.000457184	0.002558652
0.000458014	0.002562742
0.000458196	0.0025632
0.000462863	0.00258874
0.000463202	0.002590071
0.000465612	0.002602982

TAUvsControls

0.000466119	0.002605249
0.000467029	0.002609765
0.00046841	0.002616911
0.000469872	0.0026235
0.000469876	0.0026235
0.000469896	0.0026235
0.000472268	0.00263606
0.000472432	0.00263606
0.000472454	0.00263606
0.000473201	0.002639654
0.0004736	0.002641305
0.000474251	0.002644363
0.000474872	0.002647251
0.00047549	0.002650116
0.000475885	0.002651744
0.00047642	0.002654147
0.00047917	0.002668887
0.000479539	0.002670365
0.00048181	0.002682425
0.000484367	0.002696081
0.000484694	0.002697316
0.000486382	0.00270612
0.000486532	0.002706366
0.000486741	0.00270694
0.000488804	0.002717826
0.000488962	0.002718115
0.000489409	0.00272001
0.000490219	0.002723923
0.000490531	0.002725065
0.000490735	0.002725101
0.00049075	0.002725101
0.000491146	0.00272671
0.000492263	0.00273232
0.000493773	0.002740108
0.000494259	0.002742215
0.000495091	0.002746235
0.000496082	0.002751135
0.000496349	0.002752024
0.000499233	0.002767412
0.000500547	0.002774097
0.000502087	0.002782032
0.000502539	0.002783933
0.000504226	0.002792679
0.000504414	0.002793115
0.000504905	0.00279508
0.000505058	0.00279508
0.000505096	0.00279508
0.000508674	0.002814111
0.000508754	0.002814111
0.000510456	0.002822915
0.00051079	0.002824156

TAUvsControls

0.000511416	0.002826648
0.000511461	0.002826648
0.000512917	0.002834083
0.000513285	0.002835504
0.000515113	0.002844991
0.000515287	0.002845338
0.000519206	0.00286636
0.000520532	0.002873062
0.000520906	0.002874509
0.000521295	0.00287604
0.000522768	0.002883544
0.000527682	0.00290953
0.000527706	0.00290953
0.000528421	0.002912846
0.000528918	0.002914956
0.000530643	0.002923839
0.000530909	0.002924674
0.000531859	0.002929278
0.000532433	0.002931812
0.000532604	0.002932121
0.000533765	0.002937618
0.000533831	0.002937618
0.000536439	0.002951337
0.000537532	0.002956181
0.00053755	0.002956181
0.000537856	0.002957228
0.000540419	0.002970684
0.000542441	0.00298116
0.000543556	0.002986646
0.000543765	0.002987155
0.000545409	0.002995544
0.000547171	0.003004579
0.000547438	0.0030054
0.000548435	0.003010228
0.000551518	0.00302637
0.000551611	0.00302637
0.000553926	0.003037976
0.000553964	0.003037976
0.000555199	0.003044099
0.000556163	0.003048731
0.000557722	0.003056629
0.000558307	0.003059178
0.000558946	0.003062026
0.000559238	0.003062973
0.000559689	0.003064266
0.000559713	0.003064266
0.000561634	0.003074128
0.000563884	0.003085568
0.000563965	0.003085568
0.000564914	0.003090101
0.000566706	0.00309886

TAUvsControls

0.000566853	0.00309886
0.000566878	0.00309886
0.000567796	0.003103219
0.000568394	0.003105822
0.000568628	0.003106438
0.000570558	0.00311632
0.0005724	0.003125718
0.000573955	0.003133541
0.000574093	0.003133628
0.000574483	0.003135089
0.000574894	0.003136666
0.00057752	0.003150319
0.000579353	0.003159648
0.000579561	0.00316011
0.000580534	0.003164745
0.000580954	0.003166359
0.000581779	0.003170182
0.000582151	0.003171536
0.000582496	0.003172741
0.000584323	0.003181616
0.000584373	0.003181616
0.000585136	0.003185091
0.00058981	0.003209855
0.000590289	0.003211778
0.00059331	0.003227534
0.000593963	0.003230395
0.000594418	0.003232186
0.00059511	0.003235138
0.000595213	0.003235138
0.000596693	0.003242495
0.000597351	0.003244931
0.000597394	0.003244931
0.000601505	0.003266567
0.000602012	0.003268627
0.00060339	0.003275421
0.000603646	0.003276112
0.000604614	0.003280676
0.000604997	0.003282056
0.000605888	0.003286195
0.000608027	0.003297103
0.000608183	0.003297247
0.000609028	0.003301132
0.000613297	0.003323567
0.00061372	0.003324777
0.000613779	0.003324777
0.000613992	0.003325227
0.000614306	0.003326229
0.000614512	0.003326642
0.000614825	0.00332763
0.000615088	0.003328354
0.000615506	0.00332969

TAUvsControls

0.000615595	0.00332969
0.000618663	0.003345582
0.000620984	0.003357423
0.000621131	0.003357513
0.000621544	0.003359035
0.000622844	0.003365354
0.000624302	0.003372521
0.000625436	0.003377933
0.000626143	0.003381043
0.000626548	0.003382322
0.000626644	0.003382322
0.000628161	0.003389799
0.000628624	0.00339129
0.000628702	0.00339129
0.000628885	0.003391564
0.000630329	0.003398633
0.000631006	0.003401297
0.000631088	0.003401297
0.000633262	0.003412298
0.000633758	0.003414098
0.000633862	0.003414098
0.000635296	0.003421104
0.000638177	0.003435893
0.00063835	0.003436106
0.000641854	0.003454243
0.000642116	0.003454926
0.00064325	0.003460303
0.000643924	0.003463199
0.000644431	0.003465203
0.000648093	0.003484164
0.000648728	0.003486844
0.000649271	0.003489032
0.000650489	0.003494846
0.000651937	0.003501891
0.000652091	0.003501983
0.000652981	0.003506032
0.000653266	0.003506825
0.000653587	0.003507817
0.000654003	0.003509316
0.000654794	0.003512132
0.000654815	0.003512132
0.000654939	0.003512132
0.000655484	0.00351432
0.000656044	0.003516588
0.000656329	0.003517332
0.000656457	0.003517332
0.000657394	0.003521615
0.000658372	0.003526119
0.00065906	0.003529066
0.000660511	0.003536099
0.0006608	0.003536907

TAUvsControls

0.000663219	0.003549114
0.000663526	0.003549646
0.000663595	0.003549646
0.000665445	0.003558192
0.000665479	0.003558192
0.000665609	0.003558192
0.000668258	0.003571608
0.000668572	0.00357254
0.000673514	0.003598202
0.000678096	0.003621925
0.0006795	0.003628669
0.000681364	0.003637185
0.000681378	0.003637185
0.000682959	0.003644865
0.000684408	0.003651837
0.000684702	0.003652645
0.000685767	0.003657567
0.00068901	0.003674099
0.000691686	0.003687601
0.000695576	0.00370757
0.000695791	0.003707947
0.000696802	0.003712562
0.00069783	0.003717265
0.000700747	0.003732033
0.000703535	0.003746102
0.000704449	0.003750187
0.000704635	0.003750403
0.000705113	0.003751971
0.000705223	0.003751971
0.000705892	0.003754751
0.000706809	0.00375885
0.000707711	0.003762867
0.000708232	0.003764859
0.000708429	0.003765126
0.000709856	0.00377193
0.000710824	0.003776067
0.000711011	0.003776067
0.000711089	0.003776067
0.000711342	0.003776067
0.000711466	0.003776067
0.000711518	0.003776067
0.000713349	0.003785001
0.000719319	0.003815886
0.000719557	0.003816362
0.00072086	0.003822482
0.000721822	0.003826791
0.000723248	0.00383356
0.000724357	0.003838643
0.000724646	0.003839383
0.000725034	0.003840643
0.000725611	0.003842909

TAUvsControls

0.000728385	0.003856804
0.000729538	0.003862107
0.000730378	0.003865757
0.000732038	0.003873745
0.000733726	0.003881878
0.000734305	0.003883461
0.000734328	0.003883461
0.000735758	0.00389022
0.000736789	0.00389436
0.000736845	0.00389436
0.000739479	0.003907478
0.000741598	0.003917866
0.000742005	0.003918827
0.000742085	0.003918827
0.000742365	0.003919498
0.000742808	0.003921029
0.000743396	0.003923324
0.000747567	0.003944529
0.000748535	0.003948825
0.000749465	0.003952854
0.000749607	0.003952854
0.000750336	0.003955883
0.00075058	0.003956354
0.00075152	0.003960496
0.00075391	0.003972276
0.000756715	0.003986234
0.000757828	0.003991282
0.000758769	0.003995414
0.000759593	0.003998935
0.000760422	0.004002477
0.000764463	0.00402292
0.000769344	0.004047774
0.000769866	0.004049041
0.0007699	0.004049041
0.000771596	0.004057128
0.000771906	0.004057927
0.000774723	0.004071899
0.000777651	0.004086452
0.000778801	0.00409132
0.000778897	0.00409132
0.000779503	0.004093668
0.000780652	0.004098861
0.000783529	0.004113126
0.000784501	0.004117386
0.000785287	0.004120667
0.000785733	0.004122167
0.000787301	0.004129548
0.00078806	0.004132317
0.000788151	0.004132317
0.00079266	0.004155106
0.00079472	0.004165056

TAUvsControls

0.00079584	0.004170072
0.000796072	0.004170436
0.000796408	0.004171346
0.000796746	0.004172263
0.000798543	0.004180821
0.000801614	0.004196042
0.000804228	0.004208864
0.000806942	0.004222207
0.000807201	0.0042227
0.000807744	0.004224677
0.000808902	0.004229871
0.000810059	0.004235058
0.000810699	0.00423754
0.000813889	0.004253351
0.000814302	0.00425464
0.000814619	0.00425543
0.000814893	0.004255994
0.000817924	0.004270957
0.000818765	0.004274478
0.0008199	0.004279533
0.000820864	0.004283689
0.000821614	0.004286735
0.000822545	0.004290715
0.000823426	0.00429444
0.000823686	0.004294922
0.000824658	0.004299119
0.000824995	0.0043
0.000825367	0.004301064
0.000829091	0.004319592
0.000831375	0.004330615
0.000832685	0.004336555
0.00083422	0.004343669
0.000835393	0.004348894
0.0008363	0.004352731
0.000837087	0.00435541
0.000837154	0.00435541
0.000838354	0.004360766
0.000839009	0.004363291
0.000840477	0.004369406
0.000840526	0.004369406
0.000840704	0.004369448
0.000841388	0.004372116
0.000842071	0.004374778
0.000844959	0.004388893
0.000848045	0.004404032
0.000849355	0.004409939
0.000855101	0.004438875
0.000855298	0.004439
0.000857302	0.004448499
0.000860955	0.004466554
0.000865321	0.004488297

TAUvsControls

0.00086688	0.00449547
0.000867252	0.004496492
0.00086763	0.004497544
0.000869496	0.004506307
0.000870022	0.004508122
0.000870451	0.00450943
0.00087328	0.004523173
0.000875393	0.004533204
0.000877402	0.004542174
0.00087748	0.004542174
0.000880281	0.004555755
0.000881641	0.004561875
0.000882623	0.004566035
0.000882833	0.004566197
0.000884248	0.004572594
0.000887775	0.004589912
0.000891855	0.004610073
0.000894331	0.004621941
0.000903939	0.004670655
0.000909854	0.004700271
0.000910786	0.00470414
0.000913314	0.004716247
0.000913757	0.004717583
0.000919024	0.004743823
0.000924247	0.004769824
0.000926148	0.004778484
0.000926298	0.004778484
0.000929138	0.00479217
0.00093189	0.004805399
0.000934259	0.004816645
0.000935064	0.004819826
0.000938016	0.004834069
0.000939106	0.004838068
0.000939356	0.004838068
0.000939358	0.004838068
0.000939746	0.0048391
0.000940392	0.004841454
0.000943463	0.004856288
0.000945653	0.004866583
0.000946195	0.004868398
0.000947062	0.004871882
0.000949701	0.004884476
0.000952582	0.004898313
0.000953845	0.004903822
0.000955016	0.004908858
0.000958125	0.00492325
0.0009582	0.00492325
0.000959104	0.004926908
0.000960476	0.004932972
0.000963618	0.004948118
0.000964943	0.004953927

TAUvsControls

0.000967422	0.004965661
0.000967999	0.004967629
0.000970034	0.004976533
0.000970122	0.004976533
0.000972592	0.004988205
0.000973413	0.004991418
0.000974715	0.004997094
0.000974972	0.004997412
0.000975828	0.005000657
0.000975995	0.005000657
0.000978367	0.005011094
0.000978423	0.005011094
0.000979018	0.005013142
0.000987401	0.00505506
0.000990828	0.005070984
0.000990907	0.005070984
0.000992703	0.005079164
0.000995491	0.005091747
0.00099556	0.005091747
0.000997842	0.005102404
0.000998138	0.005102896
0.000998435	0.005103398
0.00099977	0.005108793
0.000999889	0.005108793
0.001001833	0.005117706
0.00100247	0.005119941
0.001002754	0.005120374
0.00100399	0.005125664
0.001006645	0.005138199
0.001007135	0.005139677
0.001007829	0.005141475
0.001007955	0.005141475
0.001008089	0.005141475
0.001012698	0.005163953
0.001021735	0.005208055
0.001021889	0.005208055
0.001021956	0.005208055
0.001025842	0.005226613
0.001026005	0.005226613
0.001027032	0.005229958
0.001027069	0.005229958
0.001028526	0.005236335
0.001029106	0.00523825
0.001030436	0.005243977
0.001031548	0.005248598
0.001032256	0.005250563
0.001032344	0.005250563
0.001033136	0.00525355
0.001037671	0.005275565
0.001041264	0.005292784
0.001042847	0.005299777

TAUvsControls

0.001043322	0.00530114
0.001048099	0.005324357
0.00105127	0.005339409
0.001052499	0.005344593
0.001055885	0.005360725
0.001056917	0.005364903
0.001059967	0.005379321
0.001062064	0.005388897
0.001063663	0.005395943
0.001064729	0.005400285
0.001065833	0.005404816
0.001066054	0.00540483
0.001066258	0.00540483
0.001066851	0.005406769
0.00106883	0.00541573
0.001073588	0.005438763
0.001074327	0.005441432
0.001075802	0.005447827
0.001078214	0.005458966
0.001079116	0.005462451
0.001086252	0.005497491
0.001087196	0.005501179
0.00108783	0.005503305
0.001089362	0.005509969
0.001090291	0.00551358
0.001091444	0.005518324
0.00109443	0.005532329
0.001096799	0.005543209
0.001104512	0.005581094
0.00110877	0.005601117
0.001108912	0.005601117
0.001110307	0.00560706
0.001111865	0.005613822
0.001116509	0.005636164
0.001119523	0.005650265
0.001122078	0.005662046
0.001125074	0.005676049
0.001128247	0.005690934
0.00113022	0.005699768
0.001130995	0.005702552
0.001135693	0.005725114
0.001137786	0.005734538
0.001139268	0.005740883
0.001141121	0.00574909
0.001142833	0.005756585
0.00114377	0.005760171
0.001144251	0.005761462
0.001146087	0.005769576
0.001148384	0.005780003
0.001149419	0.005784079
0.001149867	0.005785197

TAUvsControls

0.001150461	0.005787051
0.0011511	0.005789129
0.001152454	0.005794806
0.00115615	0.00581225
0.001156429	0.005812514
0.001163284	0.00584582
0.001164909	0.005852842
0.001167247	0.005863439
0.001170939	0.005880835
0.001171895	0.005884483
0.001172178	0.00588475
0.001173695	0.005891213
0.001174774	0.005895474
0.001175516	0.005898044
0.001177182	0.005905248
0.0011795	0.005915721
0.001180386	0.005919006
0.001187718	0.00595461
0.001188504	0.005957385
0.001196471	0.005996148
0.001198636	0.006005823
0.001205447	0.006038773
0.001211966	0.006070246
0.001216101	0.006089766
0.001217941	0.00609779
0.001219209	0.006102946
0.001229365	0.006152583
0.001234138	0.006175265
0.001235559	0.006181167
0.001237052	0.006187431
0.001238692	0.006194424
0.001239211	0.006195815
0.00124696	0.006233324
0.001247233	0.006233324
0.001247442	0.006233324
0.001248805	0.006238916
0.001250779	0.006247563
0.001251602	0.006250458
0.001253836	0.006260395
0.001255305	0.006266507
0.001257251	0.006275
0.001263009	0.006302514
0.001264642	0.006309437
0.001269453	0.006332207
0.001272313	0.00634524
0.001273271	0.006348779
0.001275331	0.006357817
0.001279501	0.006377278
0.001279732	0.006377278
0.001280648	0.006380603
0.001284541	0.006398757

TAUvsControls

0.001286177	0.006405659
0.001290499	0.006425938
0.001290873	0.006426556
0.001294611	0.006443911
0.001294935	0.006444274
0.001295698	0.006446818
0.001297712	0.00645559
0.001303485	0.006481985
0.001303524	0.006481985
0.001306327	0.006494668
0.00130665	0.006495014
0.001308075	0.006500836
0.00130893	0.006503825
0.00131164	0.006516029
0.001313533	0.006524171
0.001315699	0.00653366
0.001315996	0.006533873
0.001316537	0.00653529
0.001318507	0.006543804
0.001319571	0.006547817
0.001320601	0.006551663
0.001321744	0.006556062
0.001322012	0.006556125
0.001324523	0.006567309
0.001324915	0.006567982
0.00133272	0.006605397
0.001334908	0.006614963
0.001347135	0.006673702
0.001347282	0.006673702
0.001351703	0.006694309
0.001354736	0.006708035
0.001360153	0.006733556
0.00136084	0.006735661
0.001364114	0.006750562
0.00136535	0.006755374
0.001366604	0.006760274
0.001368657	0.006769127
0.001370574	0.006777301
0.001374632	0.006796055
0.001376187	0.006802434
0.001376912	0.006804704
0.001378316	0.006810332
0.001379618	0.006815451
0.001380035	0.006816115
0.001380284	0.006816115
0.001384239	0.006834332
0.001384726	0.006835419
0.001388224	0.006851366
0.001388863	0.006853202
0.001389296	0.006854021
0.001391643	0.006864278

TAUvsControls

0.00139359	0.00687256
0.001398462	0.006895263
0.001405517	0.006928715
0.001408065	0.006939941
0.001410303	0.006947641
0.001410412	0.006947641
0.00141044	0.006947641
0.001413563	0.006961691
0.001413997	0.006962491
0.001415696	0.006969519
0.001416103	0.006970183
0.001422771	0.007001659
0.001423749	0.007005129
0.001424059	0.00700531
0.001429686	0.007031641
0.001432956	0.007046372
0.001434015	0.007050229
0.001439161	0.007074175
0.001444352	0.007098332
0.001448678	0.007118227
0.001449557	0.007121181
0.001451356	0.007128655
0.001454668	0.007143552
0.00145923	0.007164587
0.001466105	0.007196963
0.001466859	0.007199285
0.001467488	0.007200993
0.001468264	0.007203427
0.001468712	0.007204243
0.001471825	0.007218133
0.001472638	0.00722074
0.001477041	0.007240943
0.001477521	0.007241912
0.001477853	0.007242157
0.001479719	0.007249918
0.001481042	0.007255013
0.001485298	0.00727447
0.001486154	0.007277274
0.001490212	0.007295752
0.001493787	0.007311862
0.001496244	0.00732249
0.001499127	0.007335199
0.00150169	0.007346336
0.001504497	0.007358668
0.00150516	0.007360506
0.001506101	0.007363701
0.00151089	0.007385709
0.001512924	0.007394244
0.001513676	0.007396507
0.001514383	0.007398553
0.001514684	0.007398614

TAUvsControls

0.001525014	0.007447656
0.0015257	0.007449585
0.001526012	0.007449694
0.001527384	0.007454969
0.001531936	0.007475768
0.001534499	0.007486847
0.001535809	0.007491815
0.001536783	0.00749514
0.001537163	0.007495568
0.001539683	0.00750643
0.001540682	0.007509874
0.001543624	0.007522784
0.00154409	0.007523623
0.001552305	0.007562215
0.001555189	0.007574826
0.001556608	0.007580302
0.001558378	0.007587477
0.001559868	0.007593291
0.001563187	0.007608006
0.00156529	0.007615358
0.001565292	0.007615358
0.001572548	0.007649209
0.001572877	0.00764936
0.001574413	0.007655378
0.001575815	0.007660742
0.001577164	0.007665848
0.001579678	0.007676611
0.001590422	0.007727358
0.001592282	0.007734063
0.001592405	0.007734063
0.001593607	0.007738438
0.001595419	0.007745771
0.001598922	0.007761306
0.001600881	0.007769348
0.001603387	0.007780035
0.001610556	0.007813344
0.00161191	0.007818433
0.001615175	0.00783279
0.001623982	0.007874008
0.00162752	0.007889672
0.001628988	0.007895297
0.001635447	0.007925107
0.001640123	0.007946262
0.001640992	0.007948971
0.001641395	0.007949423
0.001641961	0.007950661
0.001642331	0.007950955
0.001642963	0.007952511
0.001643712	0.007954633
0.001646758	0.007967873
0.001649726	0.007980727

TAUvsControls

0.001662913	0.008043005
0.001671118	0.008081166
0.001672912	0.008088318
0.001674113	0.008092599
0.001685006	0.008143721
0.001685634	0.008145219
0.001689778	0.008163705
0.001699925	0.008211183
0.00170623	0.00824005
0.001706544	0.00824005
0.001711275	0.008261337
0.00171283	0.00826729
0.001715113	0.00827675
0.001718273	0.008290442
0.001718795	0.008291398
0.001719171	0.008291655
0.001720972	0.008298781
0.001721826	0.008301335
0.001725826	0.008319057
0.001727956	0.008326957
0.001728263	0.008326957
0.001728439	0.008326957
0.00172938	0.008329927
0.001730327	0.008332924
0.001731606	0.00833752
0.001734452	0.008349655
0.001736459	0.008357746
0.001740084	0.008373622
0.001742554	0.008383301
0.001742749	0.008383301
0.00174613	0.008397993
0.001752769	0.008426925
0.001752803	0.008426925
0.001755447	0.008438053
0.001757233	0.008445057
0.001757867	0.008446523
0.001758591	0.008448417
0.001761088	0.00845883
0.001761968	0.008461472
0.001764276	0.008470968
0.001765755	0.008476481
0.001766601	0.008478956
0.001778832	0.008536065
0.001789017	0.008583331
0.001791728	0.008593202
0.001791744	0.008593202
0.001803669	0.008648776
0.001804218	0.008649792
0.001808179	0.008667164
0.001811415	0.008681052
0.001819078	0.00871518

TAUvsControls

0.001819216	0.00871518
0.001821387	0.008723949
0.001823502	0.008732448
0.001828589	0.008755176
0.001838334	0.008800192
0.001840741	0.008810072
0.001841833	0.008813654
0.001845144	0.008827851
0.00184617	0.008831111
0.001848579	0.008840987
0.001851698	0.008853058
0.001851794	0.008853058
0.001852894	0.008856669
0.001855083	0.00886548
0.001857652	0.008876101
0.001859014	0.008880957
0.001861006	0.008888815
0.001871525	0.00893665
0.001871718	0.00893665
0.001872374	0.008938119
0.001872816	0.008938555
0.001873162	0.008938555
0.001874282	0.008942168
0.001874616	0.008942168
0.001875413	0.008944305
0.001876471	0.008947687
0.001879581	0.008960849
0.001885091	0.008985451
0.001886041	0.008988308
0.001890199	0.009006449
0.001891004	0.009008609
0.001892284	0.009013036
0.001894541	0.00902211
0.001900543	0.00904901
0.001902928	0.009058685
0.00190354	0.009059615
0.001904065	0.009059615
0.001904183	0.009059615
0.001907105	0.009071835
0.001908411	0.00907621
0.001908732	0.00907621
0.00190947	0.009078037
0.001911764	0.009086676
0.001911996	0.009086676
0.001915532	0.009101796
0.001922362	0.009132557
0.001925788	0.009147135
0.001926252	0.009147644
0.001926647	0.009147829
0.001927493	0.009150151
0.001932345	0.009171488

TAUvsControls

0.001936376	0.009188918
0.001936923	0.009189816
0.001937809	0.009192316
0.001941513	0.009208185
0.001943339	0.00921514
0.0019443	0.009217992
0.001947825	0.009232998
0.001949186	0.009237745
0.001954221	0.009259896
0.001955513	0.009264307
0.001958622	0.00927732
0.001959952	0.009281909
0.00196215	0.009290603
0.001964197	0.009298578
0.001967058	0.009310402
0.00196788	0.009312574
0.001969838	0.009320122
0.001973357	0.009335048
0.001975971	0.009345691
0.001979235	0.009358878
0.001979489	0.009358878
0.001983035	0.009373918
0.001986574	0.009388916
0.001988398	0.009395805
0.001994717	0.009423926
0.001997045	0.009433179
0.00199776	0.009433179
0.001997908	0.009433179
0.001998147	0.009433179
0.001998675	0.009433938
0.002006467	0.009468972
0.002008272	0.009474842
0.002008449	0.009474842
0.002008913	0.009475289
0.002011207	0.009484362
0.002017969	0.0095145
0.002019327	0.009519156
0.002024574	0.009542136
0.002026781	0.00955078
0.002028845	0.009558754
0.002029279	0.00955904
0.002030106	0.009561183
0.002030808	0.009562731
0.002032722	0.009569985
0.002037531	0.009589275
0.002037567	0.009589275
0.00203809	0.009589979
0.002039372	0.009594249
0.002043592	0.009612341
0.002047742	0.009629019
0.002048037	0.009629019

TAUvsControls

0.002048264	0.009629019
0.002048728	0.009629433
0.002050252	0.00963249
0.002050276	0.00963249
0.002051184	0.00963249
0.002051214	0.00963249
0.002051256	0.00963249
0.00205193	0.00963389
0.002053589	0.009639915
0.002054853	0.009644084
0.002062361	0.009677554
0.002067308	0.009698989
0.002069772	0.009708466
0.002070085	0.009708466
0.002073858	0.009724384
0.002077889	0.009741506
0.002078614	0.009743124
0.002090939	0.009799105
0.002092971	0.009806833
0.002099686	0.009835968
0.002099956	0.009835968
0.00210399	0.009853067
0.002105522	0.009858438
0.002106446	0.009859314
0.002106477	0.009859314
0.002107512	0.009862355
0.002108393	0.009864678
0.002110021	0.009870497
0.002111206	0.00987424
0.002112112	0.009876676
0.002113755	0.009882558
0.002120078	0.009910313
0.002121097	0.00991327
0.00212272	0.009919048
0.00212745	0.009939339
0.002128887	0.009944242
0.002132723	0.009959378
0.002132904	0.009959378
0.002137053	0.009976935
0.002137475	0.009977088
0.002138398	0.00997958
0.002140741	0.009988695
0.002142703	0.009996033
0.002145342	0.010006522
0.002146577	0.010010466
0.002148879	0.010019378
0.002150221	0.010022123
0.002150249	0.010022123
0.002155004	0.010042459
0.002157878	0.010054025
0.002158691	0.010055108

TAUvsControls

0.002158894	0.010055108
0.002164197	0.010077976
0.002169552	0.010101079
0.002169998	0.010101319
0.002171591	0.010106902
0.002175363	0.010122623
0.002176689	0.010126952
0.002182547	0.010152365
0.002184147	0.010157968
0.002186925	0.010169041
0.002189601	0.010179639
0.002193676	0.010196738
0.002194472	0.010198336
0.002194815	0.010198336
0.002197516	0.010209038
0.002199971	0.010218589
0.002200585	0.010219589
0.002201011	0.010219719
0.002209328	0.010256479
0.00222311	0.010318595
0.00222545	0.010327586
0.002228062	0.010337839
0.002233325	0.010360384
0.002235348	0.010367893
0.002239538	0.010385446
0.00224152	0.010392759
0.002241993	0.010393076
0.002243244	0.010396994
0.002256087	0.010454631
0.002260462	0.010473011
0.00226639	0.010498579
0.002270268	0.010513965
0.002270531	0.010513965
0.002271913	0.010518463
0.002285238	0.010578247
0.002286076	0.010580219
0.002286801	0.010581664
0.002287851	0.010584613
0.002289593	0.01059076
0.002300325	0.010637705
0.002300571	0.010637705
0.002301377	0.010639515
0.002304875	0.010653763
0.002309848	0.010674829
0.002310405	0.010675478
0.002316191	0.010700285
0.00231744	0.010703281
0.002317674	0.010703281
0.002326946	0.010744163
0.00233048	0.010758546
0.002331188	0.010759879

TAUvsControls

0.002332957	0.010766104
0.002335879	0.010777649
0.002339946	0.010794475
0.002349856	0.010838239
0.002353099	0.010851249
0.002355018	0.010858142
0.002356442	0.010862759
0.002356894	0.010862889
0.002359954	0.010875036
0.002365157	0.010897055
0.002367049	0.010903804
0.002367472	0.010903804
0.002369926	0.01091315
0.002373819	0.01092911
0.002375313	0.010932492
0.002375406	0.010932492
0.002382876	0.010964906
0.002383753	0.010966819
0.002384147	0.010966819
0.002391626	0.010997278
0.002392819	0.011000793
0.002406047	0.011059621
0.002410259	0.011076841
0.002410657	0.011076841
0.002413684	0.011088766
0.002415408	0.011094701
0.002421384	0.011120158
0.002426478	0.011141558
0.002427723	0.011145276
0.0024306	0.011156489
0.002432615	0.011163742
0.002438161	0.011187191
0.002439	0.011189036
0.002439866	0.011191007
0.002445443	0.011214586
0.002447494	0.011221985
0.002449249	0.011226268
0.002449304	0.011226268
0.002451791	0.011235659
0.002455702	0.011251571
0.002464307	0.011288983
0.002468582	0.011306548
0.00246932	0.011307907
0.002474408	0.011329183
0.002476394	0.011336256
0.002480736	0.011354103
0.002481579	0.011355936
0.002492366	0.011403263
0.00249672	0.011421146
0.002503591	0.011450535
0.002508	0.011468655

TAUvsControls

0.002510574	0.011478378
0.002513864	0.011491372
0.002516315	0.01149921
0.002516475	0.01149921
0.002517755	0.011503008
0.002519145	0.011507313
0.002520271	0.011510406
0.002521348	0.011513272
0.002521801	0.011513293
0.002527838	0.011538799
0.002530777	0.011550162
0.002544917	0.01161203
0.002545239	0.01161203
0.00254609	0.011613849
0.002552386	0.011640495
0.00255389	0.011645287
0.002554888	0.011647765
0.002555991	0.01165072
0.002558785	0.011661387
0.002571132	0.011715573
0.002576028	0.011735799
0.002577623	0.01174098
0.00258691	0.011781187
0.002594093	0.011810519
0.002594271	0.011810519
0.002601363	0.011840702
0.002614264	0.011897313
0.002615698	0.011901729
0.002618524	0.011912472
0.002622302	0.011926681
0.002622577	0.011926681
0.002623512	0.011927914
0.002623778	0.011927914
0.002626527	0.011938295
0.002628059	0.01194248
0.002628379	0.01194248
0.002630437	0.011949711
0.002631055	0.011949711
0.002631368	0.011949711
0.002633771	0.011958505
0.002636099	0.011966658
0.0026365	0.011966658
0.002639958	0.011980233
0.002642026	0.011987498
0.002648224	0.012013492
0.002650654	0.012022392
0.00265142	0.012023741
0.002652146	0.012024905
0.002654699	0.012034352
0.002655554	0.012036101
0.002662015	0.012063257

TAUvsControls

0.002662698	0.012064219
0.002666649	0.012079988
0.002670267	0.012092479
0.002670562	0.012092479
0.002670821	0.012092479
0.002673106	0.012100688
0.002698759	0.012214658
0.002704004	0.012236236
0.002705162	0.012237941
0.002705335	0.012237941
0.002717083	0.012288919
0.002719498	0.012297674
0.002733342	0.0123581
0.002742931	0.012399265
0.002744684	0.012405002
0.002745424	0.012406161
0.002747353	0.012412692
0.002748268	0.012414642
0.002748846	0.012415066
0.002753272	0.012432864
0.002756828	0.01244673
0.002769346	0.01250105
0.002770677	0.012504857
0.002773848	0.012515966
0.002774115	0.012515966
0.002776727	0.01252555
0.002781128	0.012543195
0.002785099	0.012558898
0.002787448	0.012567238
0.002788086	0.012567238
0.002788579	0.012567238
0.002788909	0.012567238
0.00279577	0.012595945
0.002800497	0.012615023
0.002801122	0.012615626
0.002803881	0.012625832
0.002804409	0.012625993
0.002806223	0.012631942
0.002813262	0.012661406
0.002814235	0.012663562
0.002820958	0.012691589
0.00283107	0.012734848
0.002846459	0.012801827
0.002863522	0.012876311
0.002864131	0.012876791
0.002866009	0.012882978
0.002875127	0.012921698
0.002880031	0.012941469
0.002886481	0.012968182
0.002892213	0.01299166
0.002893127	0.012993489

TAUvsControls

0.00290123	0.013027598
0.002905135	0.013042851
0.002906361	0.013046072
0.002907347	0.013048212
0.002910346	0.013059388
0.002914244	0.013074593
0.00291793	0.013088838
0.002919214	0.013092309
0.002920729	0.013096814
0.002923928	0.013108867
0.002925668	0.013111964
0.002925727	0.013111964
0.002926152	0.013111964
0.00292931	0.013123822
0.002930373	0.013126288
0.00293159	0.013129448
0.002934758	0.01314134
0.002955814	0.013233316
0.002966887	0.013280575
0.002969012	0.013287768
0.002971264	0.013295524
0.002971947	0.013296263
0.002973009	0.013298694
0.002974981	0.013305193
0.002979662	0.013323807
0.00298292	0.01333516
0.002983241	0.01333516
0.002994294	0.013382234
0.002995828	0.013386725
0.002996342	0.013386725
0.002999069	0.013396575
0.00300174	0.013406169
0.00300256	0.013407498
0.003005832	0.01341977
0.003016519	0.013465141
0.003018415	0.013471258
0.003022613	0.013487647
0.003025226	0.01349696
0.003025942	0.013497808
0.003034389	0.013533133
0.003040016	0.013555869
0.003041065	0.01355819
0.003043579	0.013565753
0.003043819	0.013565753
0.003050652	0.013593843
0.003052348	0.013599039
0.003055558	0.013610978
0.003062841	0.013641051
0.003063418	0.013641252
0.003065922	0.013648452
0.003066099	0.013648452

TAUvsControls

0.003071404	0.013669695
0.003076117	0.013688293
0.003082775	0.013715541
0.00308527	0.013724261
0.003086278	0.013725209
0.003086553	0.013725209
0.003089156	0.013734401
0.003090989	0.013740171
0.00309292	0.013746369
0.003093686	0.013747392
0.003094867	0.013750124
0.003095373	0.013750124
0.003098968	0.01376371
0.003101521	0.013772667
0.003111364	0.013813984
0.003111989	0.01381427
0.003112506	0.01381427
0.003122328	0.013853895
0.003122514	0.013853895
0.003124798	0.013861628
0.003132082	0.013891538
0.003134413	0.013899474
0.003136291	0.013905398
0.003140086	0.013919816
0.003140768	0.013920436
0.003147645	0.013948506
0.003150374	0.013957903
0.003150854	0.013957903
0.003152644	0.013963421
0.003157367	0.013981925
0.003158649	0.013985187
0.003159494	0.013986515
0.003163058	0.013999874
0.003175068	0.014050608
0.003176687	0.014055347
0.003182003	0.014072072
0.003182997	0.014072072
0.003183238	0.014072072
0.003183542	0.014072072
0.003183637	0.014072072
0.003183759	0.014072072
0.003193598	0.014113127
0.00319509	0.014117288
0.003203243	0.014150877
0.003204629	0.01415456
0.003213761	0.014192451
0.00321462	0.014193802
0.003217686	0.014204893
0.003220339	0.014214161
0.003224337	0.014229356
0.003225641	0.014232663

TAUvsControls

0.003227343	0.014237721
0.003236341	0.014274962
0.00323941	0.014286044
0.003252105	0.014339562
0.003260666	0.014374842
0.00327295	0.014426517
0.003278418	0.014448133
0.003295421	0.014520573
0.003304221	0.014556848
0.003310614	0.014581
0.00331084	0.014581
0.003313227	0.014589006
0.003314942	0.014593539
0.003315394	0.014593539
0.00333669	0.014682667
0.003336788	0.014682667
0.003337707	0.014684193
0.003338312	0.014684338
0.003339017	0.014684919
0.003342129	0.014696086
0.00335757	0.014761453
0.003360186	0.01477042
0.00336263	0.014778632
0.003369008	0.014804128
0.003372715	0.014817877
0.003375534	0.014827722
0.00338041	0.014846597
0.003381669	0.014849586
0.003383795	0.014856378
0.003388637	0.014875089
0.003398596	0.014916255
0.003401477	0.014926344
0.00340816	0.014953114
0.003413213	0.014972719
0.003419092	0.014995944
0.003420951	0.014999736
0.003421126	0.014999736
0.00342358	0.015007931
0.003424964	0.015011431
0.003426451	0.015015386
0.003428807	0.01502314
0.003430191	0.015026637
0.003432891	0.0150359
0.003434026	0.015038301
0.003437536	0.015048533
0.003437536	0.015048533
0.003442971	0.015069754
0.003448377	0.015090842
0.003449652	0.015093844
0.003452871	0.015104233
0.003453204	0.015104233

TAUvsControls

0.003461003	0.015135765
0.003463599	0.015144538
0.003466594	0.01515505
0.00347049	0.015169497
0.003475652	0.015189471
0.003482521	0.015215987
0.003482906	0.015215987
0.003487292	0.015232554
0.003492065	0.015250804
0.00350105	0.015287441
0.003509715	0.015319037
0.003509867	0.015319037
0.003510078	0.015319037
0.003513775	0.015332565
0.003514578	0.01533346
0.003523417	0.015369409
0.003525012	0.015373751
0.003528927	0.01538821
0.003530403	0.015392028
0.003536476	0.015415885
0.003546806	0.015458286
0.003549581	0.015467231
0.003550431	0.015467231
0.003550667	0.015467231
0.003552085	0.01547078
0.00355558	0.015483375
0.003556538	0.015484916
0.003557889	0.015488169
0.003559565	0.015492834
0.003563726	0.015508316
0.003564477	0.015508953
0.003570556	0.015532768
0.003572321	0.015537808
0.003581491	0.015575052
0.00358499	0.015587627
0.003588262	0.015597973
0.003588586	0.015597973
0.003599618	0.015642127
0.003599964	0.015642127
0.003600654	0.015642476
0.003601476	0.015642785
0.003601945	0.015642785
0.003604128	0.015649617
0.003607981	0.015663694
0.003632281	0.015766519
0.003640678	0.015800298
0.003653862	0.01585483
0.00366125	0.015884202
0.003672704	0.015931198
0.003681523	0.015966754
0.003683643	0.015973246

TAUvsControls

0.003684541	0.015974442
0.00368633	0.015979498
0.003687775	0.01598306
0.003690378	0.015991637
0.003693291	0.016001558
0.003694875	0.016003796
0.00369524	0.016003796
0.00369568	0.016003796
0.003697647	0.016009612
0.00370026	0.016018223
0.00370718	0.016042956
0.003707267	0.016042956
0.00370785	0.016042956
0.003718542	0.016086504
0.003721785	0.016097816
0.003724165	0.016105395
0.003727324	0.016116343
0.003738352	0.0161613
0.003746788	0.016195038
0.003757372	0.016238051
0.003758317	0.016239399
0.003765764	0.016268834
0.003769616	0.016282735
0.003784656	0.016344948
0.003786914	0.016351947
0.003793911	0.016379401
0.003794701	0.016380054
0.003795769	0.016381906
0.003797363	0.016386032
0.003806353	0.016422058
0.003809227	0.016431695
0.003810042	0.016432446
0.003825897	0.016498053
0.003832003	0.016521608
0.003833129	0.016523686
0.003834778	0.016528016
0.00383595	0.016530291
0.003839017	0.016540726
0.003845553	0.016566104
0.003851001	0.016586788
0.00385671	0.016608591
0.00386269	0.016630273
0.003863042	0.016630273
0.003874039	0.016674814
0.003880772	0.016700995
0.00388668	0.016723611
0.003887507	0.016724367
0.00389028	0.016733488
0.003895667	0.016753852
0.003898108	0.016761538
0.003900426	0.016768692

TAUvsControls

0.003903371	0.016778544
0.003907106	0.016791782
0.003913603	0.016816887
0.003915724	0.016823184
0.00391986	0.016835896
0.003919996	0.016835896
0.003925112	0.016855047
0.003927241	0.016861365
0.003933933	0.016886941
0.003934514	0.016886941
0.003936653	0.016893293
0.003939399	0.016902249
0.003943315	0.016915888
0.003943897	0.016915888
0.003947059	0.016926619
0.003949573	0.01693457
0.003951348	0.016938208
0.003951742	0.016938208
0.003958079	0.016962532
0.003971728	0.017018183
0.003976724	0.017036747
0.003983526	0.017063038
0.003989453	0.017084503
0.00398987	0.017084503
0.003994911	0.017099191
0.003995167	0.017099191
0.0039953	0.017099191
0.00400271	0.017127862
0.004003335	0.017127862
0.004011355	0.017159315
0.004017095	0.017181
0.004019031	0.017186416
0.004029696	0.017229152
0.004031367	0.017229836
0.004031691	0.017229836
0.004031872	0.017229836
0.004040497	0.017263817
0.004049995	0.017301519
0.004051345	0.017304404
0.004056917	0.017322676
0.004056974	0.017322676
0.004059874	0.017332173
0.004061958	0.017338188
0.004074696	0.017389663
0.004077537	0.017398893
0.004080623	0.017409164
0.004082858	0.017415805
0.004088804	0.017438267
0.004091342	0.017445429
0.004091844	0.017445429
0.004093058	0.017447706

TAUvsControls

0.00409821	0.017466763
0.004109342	0.017511301
0.004115627	0.017535171
0.004118086	0.01754273
0.004120257	0.017549065
0.004122707	0.017555426
0.004123635	0.017555426
0.004123904	0.017555426
0.004124488	0.017555426
0.004132293	0.017585729
0.004137065	0.017603115
0.004138108	0.017604632
0.004145821	0.017634522
0.004147691	0.017639551
0.00415495	0.017667491
0.004158706	0.017680533
0.004159878	0.017682584
0.004161674	0.017687287
0.004163851	0.017693606
0.004172165	0.017726001
0.004175744	0.017738268
0.004187326	0.017784523
0.004193809	0.017809109
0.004194649	0.017809724
0.004198558	0.017823374
0.004199712	0.017825323
0.004201571	0.017830262
0.004212093	0.017871955
0.004214694	0.017880036
0.004222631	0.017910742
0.004230259	0.01794013
0.004237921	0.017969653
0.004239491	0.017973338
0.004241082	0.017977113
0.004243506	0.017984416
0.004244581	0.017986
0.004257497	0.018037751
0.004258841	0.018040464
0.004263424	0.018056515
0.004264038	0.018056515
0.004270845	0.018082355
0.004272145	0.018084872
0.004273966	0.018089594
0.004277924	0.018103361
0.004280153	0.018109805
0.004300539	0.018193059
0.004313996	0.01824698
0.004320733	0.018272461
0.00432621	0.018290244
0.004326364	0.018290244
0.004328441	0.018296009

TAUvsControls

0.00433091	0.018303429
0.004341476	0.018345062
0.004356064	0.018403669
0.004364825	0.018437648
0.004369029	0.018452368
0.004375308	0.018475845
0.004379575	0.01849015
0.004380138	0.01849015
0.004388409	0.018522016
0.004395788	0.018550108
0.004398888	0.018560138
0.004403917	0.0185783
0.004411813	0.018608548
0.004420778	0.018643299
0.004425609	0.018660603
0.004441256	0.018723502
0.004443596	0.018730287
0.004444996	0.01873311
0.00446022	0.018794181
0.004461943	0.018798353
0.004464001	0.018803935
0.004474876	0.018846649
0.004478206	0.018857576
0.00447936	0.01885934
0.004480864	0.018859652
0.004480905	0.018859652
0.0044834	0.01886706
0.004485139	0.018871281
0.004487839	0.018876935
0.004487955	0.018876935
0.004491654	0.018888138
0.004492323	0.018888138
0.004492827	0.018888138
0.004497839	0.018906109
0.004512414	0.018964266
0.004514214	0.018968722
0.004517185	0.018978097
0.004526598	0.019014527
0.004533101	0.019038729
0.004535996	0.019047769
0.00453899	0.019057221
0.004544214	0.019076029
0.004545433	0.019078026
0.004562697	0.019147351
0.004568107	0.01916692
0.004572697	0.019180085
0.00457274	0.019180085
0.004577191	0.019195615
0.004580572	0.019206654
0.004582854	0.019212542
0.004583475	0.019212542

TAUvsControls

0.004586503	0.019222093
0.004592898	0.01924575
0.004598874	0.019267644
0.004601038	0.019273562
0.004604691	0.019285715
0.004610193	0.019305606
0.004612658	0.019312775
0.004616377	0.019325192
0.004619243	0.019334036
0.004621247	0.019339264
0.004624217	0.019348537
0.004627177	0.019357767
0.004628292	0.019359273
0.004629957	0.019363081
0.004631822	0.019367721
0.004632692	0.019368203
0.004634009	0.019370551
0.004637255	0.019380959
0.004640305	0.019390549
0.004645236	0.019406435
0.00464562	0.019406435
0.004653368	0.019434914
0.004653953	0.019434914
0.00465899	0.019452782
0.00466111	0.019458467
0.004667907	0.019476558
0.004668268	0.019476558
0.004668646	0.019476558
0.004669086	0.019476558
0.004669241	0.019476558
0.00467294	0.019488819
0.004678949	0.019510709
0.004684461	0.019530516
0.004689417	0.019548
0.004695909	0.019568879
0.004695951	0.019568879
0.004701541	0.019588991
0.004704853	0.019599608
0.00470853	0.019609565
0.004708773	0.019609565
0.004709631	0.019609954
0.004712557	0.019618954
0.004715899	0.019628194
0.004716307	0.019628194
0.00472015	0.019641002
0.004722179	0.019646255
0.004725689	0.019657672
0.004726546	0.019658046
0.00473745	0.019700206
0.004742663	0.019718686
0.004746865	0.019732957

TAUvsControls

0.004748957	0.019738452
0.004755641	0.019763034
0.004766355	0.019804348
0.004776087	0.01984157
0.004782651	0.019863396
0.00478289	0.019863396
0.004784931	0.019865673
0.004784987	0.019865673
0.004789632	0.019881742
0.004794432	0.019898445
0.004797135	0.019906441
0.004800628	0.019917713
0.004808767	0.019948257
0.004823403	0.020004483
0.004823881	0.020004483
0.004831068	0.020031049
0.004834524	0.020042138
0.004841242	0.020064435
0.004841467	0.020064435
0.004851108	0.02010114
0.004853163	0.02010641
0.004855769	0.020113957
0.004866479	0.020155065
0.004873659	0.020181545
0.004881136	0.020209244
0.004892629	0.020253559
0.004897225	0.020269311
0.004899741	0.020276452
0.004904302	0.020289013
0.004904358	0.020289013
0.004908405	0.020302478
0.004915617	0.020329033
0.004919969	0.020343751
0.004939917	0.020422941
0.00494238	0.02042983
0.004952969	0.020469888
0.004953667	0.020469888
0.004955565	0.020473167
0.004956057	0.020473167
0.00496131	0.020491569
0.004967153	0.020512397
0.004977209	0.020550618
0.004982075	0.0205674
0.004988057	0.02058878
0.005002658	0.020645725
0.005008675	0.020666728
0.005009359	0.020666728
0.005013428	0.020680189
0.005014419	0.020680953
0.005016795	0.020687424
0.005028149	0.020729696

TAUvsControls

0.005028663	0.020729696
0.00503271	0.020743046
0.005040179	0.020767285
0.00504021	0.020767285
0.005042858	0.020774859
0.005055685	0.020824358
0.005061762	0.020846041
0.005063694	0.020850649
0.005066724	0.020859775
0.005073711	0.020885188
0.005089456	0.020946641
0.005100768	0.02098983
0.005109045	0.021020516
0.005111571	0.021027535
0.005118518	0.021052738
0.005119976	0.021055356
0.005136212	0.021118739
0.005139242	0.021127812
0.005141774	0.021133679
0.005142317	0.021133679
0.005148313	0.021154931
0.005155819	0.021182381
0.005157866	0.021186018
0.005158356	0.021186018
0.005160723	0.0211923
0.005161538	0.0211923
0.005189667	0.02130438
0.005191546	0.021308682
0.005192519	0.021309266
0.005206091	0.021361549
0.005208766	0.021369105
0.005219571	0.021410006
0.005223843	0.021424103
0.005228666	0.021440456
0.005230994	0.021446574
0.005239291	0.021477158
0.005240617	0.021479161
0.005241542	0.021479521
0.005247451	0.0215003
0.005249006	0.021501736
0.005249478	0.021501736
0.005254537	0.021517552
0.005255018	0.021517552
0.005262799	0.021545975
0.005265671	0.021554293
0.005268897	0.021564055
0.005273223	0.021572004
0.00527406	0.021572004
0.005274145	0.021572004
0.005274203	0.021572004
0.005275831	0.021575223

TAUvsControls

0.005292932	0.021641704
0.005295536	0.021645868
0.005295638	0.021645868
0.005296888	0.021647495
0.005302596	0.021667402
0.005307405	0.021683596
0.005309553	0.021688753
0.005310358	0.021688753
0.005319846	0.021724044
0.005325795	0.021744876
0.005335742	0.021782022
0.005347664	0.021827218
0.005374547	0.021932393
0.005375142	0.021932393
0.005382323	0.021958199
0.00539057	0.021988346
0.005413625	0.022078877
0.005416176	0.022085772
0.005422815	0.022109328
0.005429792	0.022134253
0.005431414	0.022137349
0.005439537	0.022166935
0.005443041	0.02217769
0.005447478	0.022192245
0.00545053	0.02219947
0.005450983	0.02219947
0.005453753	0.022207227
0.005455862	0.022212285
0.00546887	0.022259374
0.005469163	0.022259374
0.005470897	0.022262898
0.005479321	0.022293639
0.005494233	0.022350765
0.005496577	0.022356757
0.005501435	0.022371521
0.005501951	0.022371521
0.005507687	0.022391292
0.005512802	0.022408537
0.005513713	0.022408686
0.005541498	0.022518042
0.005542886	0.022519075
0.005543508	0.022519075
0.005552464	0.022551885
0.005555878	0.022562179
0.005557514	0.02256525
0.005571102	0.022616841
0.005578128	0.022641781
0.005582136	0.022651929
0.005582395	0.022651929
0.00558943	0.022676887
0.005595559	0.022698164

TAUvsControls

0.005596762	0.022699454
0.005605729	0.022732228
0.005607629	0.022736338
0.005611306	0.022747652
0.005614365	0.022756454
0.005624324	0.022793221
0.005626128	0.022796929
0.005662101	0.022939066
0.005663399	0.0229407
0.005675877	0.022983873
0.005676187	0.022983873
0.005676745	0.022983873
0.005690434	0.023035659
0.005700106	0.023071173
0.005701046	0.023071338
0.005719716	0.023143241
0.005738484	0.023215516
0.005740874	0.023221523
0.005750761	0.023257849
0.005762876	0.023303172
0.005768462	0.023322079
0.005772525	0.023333379
0.005773595	0.023333379
0.005774529	0.023333379
0.005774895	0.023333379
0.005786056	0.023374792
0.00579051	0.0233891
0.005801287	0.023427176
0.005801763	0.023427176
0.005806569	0.023442893
0.00580805	0.023445181
0.005812871	0.023460948
0.00581816	0.0234786
0.005831297	0.023527912
0.005834612	0.023537587
0.005841107	0.023557716
0.005841439	0.023557716
0.005842614	0.023558161
0.005843386	0.023558161
0.005848217	0.023573928
0.005881352	0.023702207
0.005881888	0.023702207
0.005893116	0.02374372
0.005897116	0.023756106
0.005901822	0.02376812
0.005901952	0.02376812
0.005904098	0.023773032
0.005907373	0.023782487
0.005912373	0.02379888
0.005915013	0.02380577
0.005922881	0.023833694

TAUvsControls

0.005925884	0.023842038
0.005927879	0.023846323
0.005938794	0.023886486
0.0059482	0.023920569
0.005975909	0.02402823
0.005980619	0.024043399
0.005991127	0.024081871
0.006008187	0.024146662
0.006013894	0.024164402
0.006014747	0.024164402
0.006015428	0.024164402
0.006017323	0.024166655
0.006017873	0.024166655
0.00602092	0.02417298
0.006021333	0.02417298
0.00602283	0.024175205
0.006026863	0.024187611
0.00604188	0.024244084
0.006045009	0.024252846
0.006050379	0.024270593
0.006058075	0.024297664
0.006059775	0.024300685
0.006070465	0.024339746
0.006075328	0.024355439
0.006088702	0.024402864
0.006089061	0.024402864
0.006091258	0.024407853
0.006102823	0.024447958
0.006103173	0.024447958
0.006115428	0.024493225
0.006120845	0.024511095
0.006124745	0.024522883
0.006132168	0.024548772
0.0061493	0.024613515
0.006152806	0.024623705
0.006159953	0.024648461
0.00617084	0.024688174
0.00617294	0.024690229
0.006173279	0.024690229
0.006191549	0.024759439
0.006203015	0.024801424
0.006205534	0.024803864
0.006205559	0.024803864
0.006213695	0.024827765
0.006214315	0.024827765
0.006214443	0.024827765
0.006218316	0.024836789
0.006218638	0.024836789
0.006220931	0.024842077
0.006234269	0.024891465
0.006244359	0.024927868

TAUvsControls

0.006245741	0.024929507
0.006256726	0.024969468
0.006261334	0.024983969
0.00626836	0.025004616
0.006268458	0.025004616
0.006271234	0.025010624
0.006271914	0.025010624
0.00627578	0.025022149
0.006277636	0.025025659
0.006280311	0.025032432
0.00628537	0.025048702
0.00630071	0.025105935
0.006302628	0.025109676
0.006309011	0.025131203
0.006321739	0.025177995
0.006331538	0.025210501
0.006331867	0.025210501
0.006338214	0.025231856
0.006346437	0.025260672
0.006362151	0.02531929
0.006372624	0.025356401
0.006373454	0.025356401
0.006380494	0.025380475
0.006383759	0.025389525
0.006394289	0.02542746
0.006398261	0.02543931
0.006417327	0.025511161
0.006423079	0.025527514
0.006423431	0.025527514
0.006444509	0.025607315
0.006449977	0.025625071
0.006456245	0.025646002
0.006465801	0.025679981
0.006499077	0.025808149
0.006505072	0.025827956
0.00652715	0.025911602
0.006530532	0.025921017
0.006532369	0.025924296
0.006534919	0.025930403
0.006539424	0.025944268
0.006544705	0.025961204
0.006550023	0.025977632
0.006551174	0.025977632
0.006551885	0.025977632
0.006555614	0.0259884
0.006563017	0.026011216
0.006563398	0.026011216
0.006566223	0.026018393
0.006571442	0.026035051
0.006596719	0.026131156
0.006607586	0.026169003

TAUvsControls

0.006608314	0.026169003
0.006609614	0.026170114
0.006611566	0.026173801
0.006612674	0.026174147
0.006614506	0.026177358
0.006618496	0.026188861
0.006619454	0.026188861
0.006621745	0.026193882
0.006627014	0.026210685
0.006632052	0.026226565
0.006634223	0.026231108
0.006640448	0.026251672
0.006647896	0.026277066
0.006654815	0.026300361
0.006659783	0.026315942
0.006670969	0.026356081
0.006679204	0.026384554
0.006707338	0.026491456
0.006708383	0.026491456
0.006709365	0.026491456
0.006724254	0.026544645
0.006724906	0.026544645
0.006735511	0.026582416
0.006736735	0.026583155
0.006740881	0.026595426
0.006744129	0.026604149
0.006748292	0.026616475
0.00675097	0.026622943
0.006763826	0.026669543
0.00677028	0.026690887
0.006771906	0.026693194
0.006776794	0.026708359
0.006784118	0.026733114
0.006787689	0.026743079
0.006800671	0.026790111
0.006810638	0.026825255
0.006813472	0.026832294
0.006817142	0.026842628
0.006827512	0.026879334
0.006833574	0.026899068
0.006835613	0.026902966
0.006850565	0.026957676
0.006855192	0.026971746
0.00685908	0.026982906
0.006868694	0.027016582
0.006872065	0.027025696
0.006878865	0.027048291
0.006882436	0.027058184
0.006892314	0.027092869
0.006895348	0.027098083
0.006895754	0.027098083

TAUvsControls

0.006902425	0.027120145
0.006905063	0.027126352
0.006906195	0.027126646
0.006918329	0.027170147
0.006919973	0.027172443
0.006934248	0.027224327
0.006946486	0.0272682
0.006950478	0.027279696
0.006960875	0.027316324
0.006968543	0.027342229
0.006981809	0.027390093
0.006982953	0.027390391
0.00699284	0.027424978
0.00700572	0.027471289
0.007011757	0.027490762
0.007015435	0.027497042
0.007015503	0.027497042
0.007033565	0.027563622
0.007036556	0.027570544
0.007037481	0.027570544
0.007060787	0.027657623
0.007068903	0.027685186
0.007072885	0.027696555
0.007086773	0.027746702
0.007089498	0.027753134
0.007099984	0.027789944
0.007103046	0.027797683
0.007109294	0.027817892
0.007119567	0.027853839
0.007136045	0.027910468
0.007138002	0.027910468
0.007138185	0.027910468
0.007138394	0.027910468
0.007156118	0.027975501
0.00718277	0.028075413
0.007184104	0.02807635
0.007201346	0.028139445
0.007217533	0.028194709
0.007217687	0.028194709
0.007227999	0.028230691
0.007233535	0.028248011
0.007236679	0.028253004
0.007237017	0.028253004
0.007238159	0.028253165
0.007247456	0.02828515
0.007250206	0.028291578
0.007253053	0.02829838
0.007281289	0.028404226
0.00728371	0.028409347
0.00728759	0.028420162
0.007295168	0.02844539

TAUvsControls

0.007304486	0.028477392
0.007306504	0.028480932
0.007312591	0.028500327
0.007320194	0.028525626
0.00732986	0.028556656
0.007330384	0.028556656
0.007338186	0.028582708
0.007349446	0.02862222
0.007375633	0.028717088
0.007376884	0.028717088
0.007377165	0.028717088
0.00738741	0.028752609
0.007406913	0.028824141
0.007408505	0.028825962
0.007416364	0.028852166
0.007427017	0.028889228
0.007435825	0.028919103
0.007441488	0.028936738
0.007450656	0.028967995
0.00747373	0.029053306
0.00748706	0.029100714
0.007495533	0.029128773
0.007496551	0.029128773
0.007501235	0.029142561
0.007514698	0.029190443
0.00751717	0.029195625
0.007528849	0.029236556
0.007558913	0.02934886
0.007581416	0.029431777
0.007585214	0.029442062
0.007596462	0.029476807
0.007596464	0.029476807
0.007602968	0.029497584
0.007606197	0.029502233
0.007606467	0.029502233
0.007608702	0.02950644
0.007628588	0.029579084
0.007633779	0.029594739
0.007646384	0.029639127
0.007672055	0.02973414
0.007684305	0.029777117
0.007686905	0.029782695
0.007692356	0.029799311
0.007696302	0.029806038
0.007696417	0.029806038
0.00772299	0.029904435
0.007758392	0.030036981
0.007766902	0.030065389
0.007771635	0.030079173
0.007781457	0.03011264
0.007789519	0.030139291

TAUvsControls

0.007796985	0.030161066
0.007797498	0.030161066
0.007822037	0.030251421
0.007835946	0.030300645
0.007847611	0.030341179
0.007856786	0.030372073
0.00789876	0.030529733
0.007917404	0.030597181
0.007919787	0.03060178
0.007924415	0.030615052
0.007925896	0.030616161
0.0079365	0.030652505
0.007953021	0.030709564
0.007954248	0.030709564
0.007954865	0.030709564
0.007957541	0.030714607
0.007958567	0.030714607
0.007973465	0.030763173
0.00797355	0.030763173
0.007993369	0.030835
0.008009075	0.030890942
0.00801619	0.030913734
0.008018923	0.030919628
0.008051583	0.031040412
0.008052994	0.031040412
0.00805411	0.031040412
0.008055852	0.031040412
0.008056299	0.031040412
0.008062609	0.031056706
0.008063425	0.031056706
0.008064161	0.031056706
0.008081195	0.031112694
0.00808223	0.031112694
0.008082338	0.031112694
0.008086965	0.031125835
0.008088949	0.031128799
0.008094244	0.031144502
0.008098549	0.031156394
0.00810576	0.031179459
0.008120016	0.031229615
0.008122162	0.031233182
0.00812923	0.031255677
0.008134078	0.03126963
0.008136902	0.031275799
0.008152362	0.031330528
0.008158294	0.031345502
0.008158703	0.031345502
0.008161845	0.031352876
0.008168117	0.031368443
0.008168343	0.031368443
0.008185725	0.031430488

TAUvsControls

0.008193589	0.031455976
0.008203267	0.031488416
0.008206934	0.031497779
0.008220454	0.031544946
0.008228074	0.031569466
0.008240379	0.031611949
0.008261804	0.031689401
0.008280393	0.031751449
0.008280457	0.031751449
0.0082852	0.031764887
0.008288038	0.031771021
0.008295776	0.03179593
0.008306006	0.031830381
0.00830916	0.031837712
0.00831385	0.031850925
0.008324147	0.031885046
0.008325243	0.031885046
0.008352519	0.031984735
0.00835884	0.032004163
0.008383254	0.032092848
0.008388986	0.032110001
0.008402798	0.032158067
0.008405995	0.032163882
0.008406825	0.032163882
0.008418967	0.032205531
0.00843538	0.032263504
0.00844029	0.032277472
0.008454389	0.03232657
0.008464248	0.032359444
0.008469084	0.032369158
0.008469313	0.032369158
0.0084706	0.032369254
0.008472239	0.032370694
0.008475424	0.03237804
0.0084877	0.032420108
0.008493652	0.032438011
0.008496388	0.032443631
0.008511141	0.032495124
0.008516381	0.032510295
0.008520103	0.032519662
0.008523088	0.032526215
0.008531889	0.032554959
0.008533625	0.032556736
0.008560909	0.03265597
0.008577813	0.032715588
0.008586617	0.032744295
0.008596496	0.032777095
0.008600653	0.032788073
0.008604948	0.032799571
0.008612	0.032821573
0.008622339	0.032856094

TAUvsControls

0.008640398	0.032920019
0.008643434	0.032926697
0.008645863	0.032931056
0.008647772	0.032933439
0.008664146	0.032990898
0.00867739	0.033036424
0.008708379	0.033146755
0.008708955	0.033146755
0.008716914	0.033172125
0.008726494	0.033203654
0.008734087	0.033227617
0.008756416	0.033307624
0.008759423	0.033313247
0.008760492	0.033313247
0.008770119	0.033344913
0.008775668	0.033361064
0.008790122	0.033411062
0.008791639	0.033411874
0.008793976	0.033415806
0.008801228	0.03343841
0.008817068	0.033493627
0.008823185	0.033509535
0.008823868	0.033509535
0.008826786	0.033515652
0.008832054	0.03352615
0.008832165	0.03352615
0.008838835	0.033545294
0.008839824	0.033545294
0.008851228	0.033583603
0.008857411	0.033599688
0.008858088	0.033599688
0.008866263	0.033625725
0.008869115	0.033629535
0.00886989	0.033629535
0.008890829	0.033703943
0.008893459	0.033708931
0.008904922	0.03374739
0.008912343	0.033770524
0.008930756	0.033835295
0.008938948	0.033861333
0.008944405	0.03387515
0.00894532	0.03387515
0.008946558	0.03387515
0.008969397	0.033956615
0.008983165	0.034003719
0.008990856	0.034027809
0.008995488	0.034040318
0.008999213	0.03404939
0.009032285	0.034169479
0.009037114	0.034182705
0.00904293	0.034199663

TAUvsControls

0.009045137	0.034202965
0.009048372	0.034210155
0.009066735	0.034274531
0.009074221	0.034297773
0.009077657	0.034305704
0.009092754	0.034357696
0.009095237	0.034362017
0.009127071	0.034477207
0.009155086	0.034577943
0.009173021	0.034640579
0.009175654	0.034645422
0.009179805	0.034655995
0.009190297	0.034690496
0.00919491	0.034702804
0.009217672	0.03478359
0.00924986	0.03489992
0.009273172	0.034979519
0.009273684	0.034979519
0.009293456	0.035048941
0.009306948	0.035094665
0.009310795	0.035104012
0.009315381	0.035116139
0.009324198	0.035144212
0.009341422	0.035203958
0.009364392	0.035285337
0.009366883	0.035289538
0.009369012	0.035292377
0.009386087	0.035351504
0.009411602	0.035442399
0.009427025	0.035495269
0.009446055	0.035561701
0.009450669	0.03557385
0.009454288	0.035580568
0.009455228	0.035580568
0.009461065	0.03559731
0.009462552	0.035597683
0.009466011	0.035605471
0.009469738	0.03561427
0.009481831	0.03565452
0.009492626	0.035689879
0.009505523	0.035730948
0.009506335	0.035730948
0.009538653	0.035847166
0.009544954	0.03586559
0.009559928	0.035916594
0.009574901	0.03596758
0.00957942	0.035979284
0.009583967	0.035991093
0.00958559	0.03599192
0.009608523	0.036072747
0.009611232	0.036077637

TAUvsControls

0.009621321	0.036110223
0.009623689	0.036113826
0.009626769	0.036120099
0.009655435	0.036222355
0.009658188	0.036227386
0.009670785	0.036269333
0.009683534	0.036311835
0.009692848	0.03634145
0.009699657	0.036361664
0.00973585	0.036492009
0.009749779	0.036538879
0.009751587	0.036540316
0.009755155	0.036547347
0.009756313	0.036547347
0.009773141	0.036605036
0.009792283	0.036671378
0.009800906	0.036698312
0.009818631	0.036759313
0.009822487	0.036768384
0.00982551	0.036774333
0.009835034	0.036804609
0.009840539	0.036819836
0.009854591	0.036867039
0.009858522	0.036874718
0.009859519	0.036874718
0.009862695	0.036881217
0.009868815	0.036898723
0.009872111	0.036905665
0.009887515	0.036957866
0.009894415	0.036978266
0.009903022	0.037005043
0.009907944	0.037018042
0.009910029	0.037020439
0.009912006	0.037022432
0.009927118	0.037072717
0.00992836	0.037072717
0.009931576	0.037079329
0.009935288	0.03708779
0.009938939	0.037091494
0.009939364	0.037091494
0.009940619	0.037091494
0.009945704	0.037105071
0.009961949	0.037160271
0.009970084	0.037185209
0.009976013	0.037201046
0.009977231	0.037201046
0.009989227	0.037240362
0.009990721	0.037240516
0.009997702	0.037261126
0.010006835	0.037289745
0.010010216	0.037296926

TAUvsControls

0.010014498	0.037307458
0.010017856	0.037313595
0.010019054	0.037313595
0.010022295	0.037320243
0.010026509	0.037330518
0.010029398	0.037332572
0.010029972	0.037332572
0.010043146	0.037376181
0.010046128	0.037381856
0.010049914	0.037390522
0.010062871	0.037433297
0.010074786	0.037472184
0.010084268	0.037502015
0.010089764	0.037517012
0.010097928	0.037541927
0.010100596	0.037546403
0.010104606	0.037555866
0.01011063	0.037572813
0.010119537	0.037600464
0.010126457	0.037620728
0.010159329	0.037737382
0.010175736	0.037792853
0.010179477	0.037801275
0.010200255	0.03787295
0.010203755	0.037880463
0.010256623	0.038071217
0.01028768	0.038180971
0.010312815	0.038267739
0.010314043	0.038267739
0.01033848	0.038347607
0.010338559	0.038347607
0.01034776	0.038376184
0.010352709	0.038388989
0.010361559	0.038416251
0.010368829	0.038437649
0.01037761	0.038464642
0.010380439	0.038469566
0.01038772	0.038490991
0.010405565	0.038551545
0.010421114	0.038603577
0.010431756	0.038637417
0.010441699	0.03866866
0.010448375	0.038687799
0.010469558	0.038760635
0.010472421	0.038765642
0.010476316	0.038774461
0.010488714	0.038807178
0.010489663	0.038807178
0.010489694	0.038807178
0.010494958	0.038821051
0.010497383	0.038821746

TAUvsControls

0.010498173	0.038821746
0.010504109	0.038838099
0.010509442	0.038852216
0.010554592	0.039013509
0.010569589	0.039063312
0.010574938	0.039077452
0.010585458	0.039110692
0.010593181	0.039133586
0.010596459	0.039140062
0.01059923	0.039144659
0.010629988	0.039252599
0.010651688	0.039327067
0.010669761	0.039388124
0.010697164	0.039479785
0.010697669	0.039479785
0.010723962	0.039571128
0.010739496	0.039622747
0.010769606	0.039728122
0.01077276	0.039734042
0.01079072	0.039794563
0.010794392	0.03980238
0.010801675	0.039823511
0.01080945	0.039844407
0.01081045	0.039844407
0.010815731	0.039858145
0.010817957	0.03986062
0.010831927	0.039906363
0.010834227	0.039909102
0.010854086	0.039976515
0.01085617	0.039978449
0.010865423	0.040006783
0.010871396	0.040023028
0.010873197	0.040023914
0.010881555	0.040048931
0.010883209	0.040049271
0.010897388	0.040095698
0.01090139	0.040104669
0.010912308	0.040139079
0.010917708	0.040153181
0.010922434	0.040163765
0.010924284	0.040163765
0.010925283	0.040163765
0.010929957	0.040175189
0.010932337	0.040178179
0.010941091	0.040204592
0.010943658	0.040204696
0.010944255	0.040204696
0.010953504	0.040232912
0.010996247	0.040384126
0.010999689	0.040390985
0.011012332	0.040428247

TAUvsControls

0.011012989	0.040428247
0.011022858	0.040458686
0.011033383	0.040491521
0.01104464	0.040527034
0.01105407	0.040555835
0.011060419	0.040573325
0.011065557	0.040586367
0.011075836	0.040612917
0.011075962	0.040612917
0.011078288	0.04061564
0.011086011	0.040638145
0.011098584	0.040678421
0.011109333	0.040712
0.011124172	0.040760556
0.011128621	0.040771034
0.011141256	0.040811492
0.011148806	0.040833319
0.01115477	0.040846268
0.011155527	0.040846268
0.011159824	0.04085617
0.01117696	0.040911106
0.01117802	0.040911106
0.011183671	0.040925951
0.011200635	0.040982181
0.011212748	0.041015312
0.011212888	0.041015312
0.011221047	0.041034718
0.011221393	0.041034718
0.011223166	0.041035349
0.011241811	0.041097665
0.011246587	0.041109266
0.011249859	0.041115364
0.011268495	0.041177607
0.011272749	0.041187286
0.011300558	0.041282959
0.011302154	0.041282959
0.011320232	0.041343104
0.01132442	0.041352512
0.011338894	0.041399473
0.011347296	0.041424253
0.011351301	0.041432976
0.011370125	0.04149578
0.011403429	0.041605518
0.011403438	0.041605518
0.011405139	0.041605803
0.0114157	0.041638409
0.011421346	0.041653078
0.011442179	0.041723123
0.011469842	0.041818048
0.011471827	0.041819342
0.011474697	0.04182386

TAUvsControls

0.011489189	0.041870731
0.011495646	0.04188831
0.011498229	0.041891772
0.011501431	0.041894046
0.01150212	0.041894046
0.01150477	0.04189775
0.01152829	0.041977442
0.011530084	0.041978017
0.011534559	0.04198835
0.011553644	0.042051853
0.0115632	0.042080662
0.011567457	0.042087548
0.011568373	0.042087548
0.011580404	0.042125343
0.011595184	0.042173123
0.011610746	0.042223739
0.011646381	0.042347324
0.01165666	0.042375103
0.011657325	0.042375103
0.01166847	0.042409606
0.011674278	0.042424561
0.011675893	0.042424561
0.011686353	0.042456553
0.011695109	0.042482346
0.011698946	0.042490268
0.01170604	0.042510013
0.01172342	0.042567099
0.011734141	0.042599997
0.011737441	0.042605949
0.01174667	0.042633414
0.011749746	0.042638546
0.011755567	0.042653636
0.011798959	0.04280502
0.011807434	0.042829711
0.011818567	0.042864032
0.0118295	0.042897616
0.011835031	0.042911607
0.0118596	0.042991378
0.011860568	0.042991378
0.01186206	0.042991378
0.011883137	0.04306168
0.011896275	0.0431032
0.011898834	0.043106385
0.011905378	0.043123999
0.011909476	0.043132754
0.011935683	0.043217017
0.011936112	0.043217017
0.011959622	0.043296025
0.011972212	0.043335486
0.011978782	0.04335315
0.011994854	0.043405192

TAUvsControls

0.01199737	0.043408174
0.012002039	0.043418943
0.012005344	0.043424774
0.012028081	0.043500883
0.012038865	0.043533744
0.012047343	0.043558259
0.012053918	0.043575891
0.01208203	0.043671362
0.01209013	0.043694482
0.012111859	0.043761936
0.012112206	0.043761936
0.012117607	0.043775281
0.012144365	0.043865768
0.012155833	0.043901008
0.01215816	0.043903231
0.012179079	0.04397258
0.012206526	0.044065473
0.012208377	0.044065954
0.012210821	0.044068107
0.01221241	0.044068107
0.012235317	0.044144557
0.012250412	0.044192803
0.012258408	0.044215429
0.012292721	0.044332959
0.012297937	0.044345535
0.012306259	0.044369307
0.012313454	0.044389006
0.012320307	0.044407468
0.012338015	0.044465047
0.01234588	0.044487142
0.012368773	0.044560088
0.012369598	0.044560088
0.012372476	0.044564195
0.012376766	0.044573389
0.01238334	0.044590803
0.012408819	0.044676276
0.01241159	0.044679983
0.012443774	0.044789555
0.012452235	0.044813718
0.012459723	0.044834376
0.012467377	0.044850702
0.012467757	0.044850702
0.012475794	0.044873318
0.012491398	0.044923144
0.012494223	0.044926127
0.012495731	0.044926127
0.012499006	0.044930537
0.012500461	0.044930537
0.012502833	0.044932769
0.012513221	0.044963801
0.012516922	0.044966177

TAUvsControls

0.012517389	0.044966177
0.012522267	0.044977403
0.012529629	0.044997543
0.012539661	0.045027267
0.012553843	0.045071881
0.012556082	0.045073612
0.012558306	0.045075284
0.012563234	0.045086663
0.012571746	0.0451109
0.012573705	0.045111618
0.012578754	0.045120063
0.012579577	0.045120063
0.012590288	0.045152168
0.012594893	0.045162368
0.012599125	0.045167868
0.012599949	0.045167868
0.012621916	0.045240291
0.012630305	0.045264034
0.012658953	0.045360364
0.012671007	0.045397214
0.01267752	0.045414206
0.01268948	0.045450701
0.012699262	0.045479386
0.012713159	0.045522801
0.012732246	0.045584782
0.012737009	0.045595472
0.012740945	0.045603195
0.012744947	0.045611153
0.012752919	0.045633316
0.012755016	0.045634456
0.01276	0.045643193
0.012761017	0.045643193
0.0127693	0.04566645
0.012807085	0.045792225
0.01280804	0.045792225
0.012814556	0.045803472
0.012814758	0.045803472
0.012819999	0.045815821
0.012835396	0.045864458
0.012842695	0.045884145
0.01286383	0.045947923
0.012865046	0.045947923
0.01286592	0.045947923
0.01287408	0.045970663
0.012904949	0.046069407
0.012905325	0.046069407
0.012909819	0.046079035
0.012943806	0.046193916
0.012946079	0.046195602
0.012950525	0.046205039
0.012956443	0.046219722

TAUvsControls

0.01296155	0.04623151
0.012970889	0.046258388
0.01298098	0.046287939
0.012986442	0.04630098
0.012993112	0.046318322
0.013007092	0.046357433
0.013007698	0.046357433
0.013025825	0.046415585
0.01302891	0.046416606
0.013029731	0.046416606
0.013040844	0.046448192
0.013042219	0.046448192
0.013046262	0.046456138
0.0130609	0.04650181
0.013075239	0.046546399
0.013077886	0.046549362
0.013079919	0.046550139
0.013084812	0.046558308
0.013085845	0.046558308
0.013092114	0.046574151
0.013108281	0.046625198
0.013118847	0.046656311
0.013127351	0.046680081
0.013139964	0.046718454
0.013147712	0.046739523
0.013150563	0.04674318
0.013163729	0.046783496
0.013188272	0.046864225
0.013198644	0.046894588
0.013215945	0.046949552
0.013232745	0.047002725
0.013236803	0.047009789
0.013238399	0.047009789
0.013248204	0.047028212
0.013248543	0.047028212
0.013249088	0.047028212
0.013258529	0.047055212
0.01326546	0.047073297
0.013271829	0.047086716
0.013272913	0.047086716
0.013328251	0.047273799
0.013329335	0.047273799
0.013338861	0.047301042
0.01334707	0.047323611
0.0133582	0.047356528
0.013403751	0.047511446
0.013411018	0.047530633
0.013429077	0.047588061
0.013454772	0.047669926
0.013456024	0.047669926
0.013457754	0.047669926

TAUvsControls

0.013517889	0.047876324
0.013598507	0.048149465
0.013598765	0.048149465
0.013628789	0.048249112
0.013633361	0.048258635
0.013637369	0.048266161
0.013646752	0.048284493
0.013647048	0.048284493
0.013648196	0.048284493
0.013653176	0.048295452
0.013658867	0.048308919
0.013686883	0.048401333
0.013727441	0.048538065
0.013732701	0.048549971
0.013735709	0.048553914
0.013753589	0.048601877
0.01375414	0.048601877
0.013754962	0.048601877
0.013761429	0.048612532
0.013761768	0.048612532
0.013780295	0.048671274
0.013795923	0.048719762
0.0138038	0.048740868
0.013849612	0.048895899
0.013853148	0.048901649
0.013860039	0.048917864
0.013861556	0.048917864
0.01386643	0.048927235
0.013868026	0.048927235
0.013871038	0.04893113
0.013893662	0.049004198
0.013904905	0.04903711
0.013927702	0.049110753
0.013934223	0.049126995
0.013936311	0.049127604
0.013952577	0.049178185
0.01395692	0.049186734
0.013968125	0.049219457
0.013971471	0.049224487
0.013985354	0.049260542
0.013985595	0.049260542
0.013987467	0.049260542
0.013992593	0.049271833
0.014007251	0.049316675
0.014017302	0.049345288
0.014027881	0.049375753
0.014045598	0.049430163
0.014047193	0.049430163
0.014051152	0.049437312
0.014056379	0.049448918
0.014067655	0.049475071

TAUvsControls

0.014069139	0.049475071
0.014070302	0.049475071
0.014071529	0.049475071
0.014081271	0.04950254
0.014102621	0.049570799
0.014113917	0.049595781
0.014114996	0.049595781
0.014115529	0.049595781
0.014145925	0.049695773
0.01415884	0.049734331
0.014162067	0.049738856
0.014178329	0.049789151
0.01418696	0.049812639
0.014211084	0.049890513
0.014219001	0.049911477