

Supplementary Table3: Glycolysis / cholesterol dysregulated genes

	logFC	AveExpr	t	P.Value	adj.P.Val	B
ENO2	1.153408	7.382357	7.625448	2.59E-10	5.03E-06	12.88502
KISS1R	1.637387	1.457228	7.118281	1.85E-09	1.79E-05	11.11573
VEGFA	2.130161	6.115789	6.932451	3.79E-09	2.45E-05	10.46624
SLC2A3	1.505071	5.003346	6.775041	6.96E-09	3.38E-05	9.916189
NDRG1	1.617525	6.440622	6.630888	1.21E-08	4.72E-05	9.41285
PRTN3	1.139079	1.023452	6.492838	2.06E-08	6.69E-05	8.931435
ANGPTL4	2.24873	5.75049	6.402846	2.92E-08	7.39E-05	8.61805
ADM	2.05353	5.639502	6.391802	3.04E-08	7.39E-05	8.57962
SLC16A3	1.202878	4.44432	5.946185	1.67E-07	0.000358	7.036142
SH3D21	0.95611	2.41603	5.919918	1.84E-07	0.000358	6.945707
HILPDA	1.544786	6.470118	5.829974	2.59E-07	0.000419	6.636613
C15orf48	1.388418	2.38928	5.85138	2.39E-07	0.000419	6.710092
FDFT1	-0.76834	6.217089	-5.7744	3.19E-07	0.000477	6.446115
CXCL8	2.705008	5.01487	5.717504	3.95E-07	0.00048	6.251461
DMBX1	1.025573	0.792375	5.72239	3.88E-07	0.00048	6.26816
ALDOA	0.556687	9.413464	5.746566	3.54E-07	0.00048	6.350831
ACTA2	1.237468	6.042694	5.671946	4.69E-07	0.000536	6.095912
LOX	1.878106	4.42096	5.62636	5.57E-07	0.000601	5.940554
GAPDH	0.696076	12.19559	5.54926	7.43E-07	0.000759	5.678482
ELANE	0.974945	1.104168	5.407771	1.26E-06	0.001221	5.199967
ADAM8	1.330341	2.779214	5.369484	1.45E-06	0.001341	5.071057
S100A8	1.883479	5.365453	5.284745	1.98E-06	0.001648	4.78669
SPAG4	1.228666	3.036866	5.285439	1.98E-06	0.001648	4.789014
BHLHE40	1.122381	6.375533	5.272084	2.08E-06	0.001648	4.74432
TNIP1	0.526421	6.032579	5.266401	2.12E-06	0.001648	4.725308
TAGLN	1.39511	6.408789	5.244068	2.30E-06	0.00172	4.650666
MYO1G	0.867613	1.94585	5.168833	3.03E-06	0.002182	4.399941
S100A9	1.769407	7.310399	5.123101	3.58E-06	0.002267	4.248104
CCL2	1.702223	6.424827	5.103555	3.85E-06	0.002267	4.183346
HSPA6	1.492404	4.406986	5.107718	3.79E-06	0.002267	4.197129
MT1H	1.386582	2.414813	5.104185	3.84E-06	0.002267	4.18543
CCL7	1.165014	0.924016	5.109577	3.77E-06	0.002267	4.203289
SPINK1	1.014723	0.821541	5.123952	3.57E-06	0.002267	4.250924
ICAM1	1.419949	4.880692	5.094084	3.98E-06	0.002277	4.151993
PTX3	1.800549	5.364877	5.085317	4.11E-06	0.002284	4.122991
PDE4C	0.745726	0.837791	5.057272	4.56E-06	0.002459	4.030329
MYADM	0.894315	5.793103	5.043292	4.79E-06	0.002517	3.984204
GPRC5A	1.147473	1.964252	4.918352	7.53E-06	0.003752	3.573986
NOCT	0.637375	3.019145	4.921315	7.45E-06	0.003752	3.583669
MMP19	1.48943	2.606388	4.9041	7.93E-06	0.003833	3.52743
SYTL2	0.849992	3.870353	4.898581	8.09E-06	0.003833	3.509412
AQP9	1.52555	2.425489	4.881919	8.59E-06	0.003972	3.455068

PGK1	0.752069	8.583094	4.860959	9.26E-06	0.004149	3.386807
ATP6V0D2	0.518054	0.57113	4.856802	9.40E-06	0.004149	3.37328
SAA2	2.164145	2.258931	4.84226	9.90E-06	0.004274	3.326001
LSR	-0.88206	3.263011	-4.83068	1.03E-05	0.004358	3.288397
CHI3L2	1.752048	7.424755	4.777761	1.25E-05	0.005153	3.11696
LDHA	0.739023	8.291437	4.771391	1.28E-05	0.005162	3.096371
CXCL3	1.674936	2.26029	4.736205	1.45E-05	0.005616	2.982859
MAFF	0.919576	3.794376	4.738139	1.44E-05	0.005616	2.98909
FOSL2	0.998106	5.271192	4.711272	1.58E-05	0.005921	2.902627
PKM	0.533554	9.173718	4.704859	1.62E-05	0.005921	2.88202
ERVMER34-1	-0.52108	0.820866	-4.70754	1.60E-05	0.005921	2.890632
EPS8L2	1.05378	3.101703	4.689809	1.70E-05	0.00613	2.833701
DHCR7	-0.60223	5.763146	-4.64905	1.97E-05	0.006951	2.703174
SLPI	1.730774	5.876077	4.602277	2.32E-05	0.007908	2.553952
PPP1R15A	0.779166	6.014834	4.574502	2.56E-05	0.008373	2.465653
NSDHL	-0.32365	5.576345	-4.57138	2.59E-05	0.008373	2.455755
CHAC2	-0.58895	3.565301	-4.5801	2.51E-05	0.008373	2.483416
SLC2A1	0.825753	6.835368	4.55875	2.70E-05	0.008451	2.415676
ERO1A	0.756235	4.348181	4.554819	2.74E-05	0.008451	2.403218
DTD2	-0.48084	4.621518	-4.55778	2.71E-05	0.008451	2.412593
PTGS2	1.465925	2.702654	4.526868	3.02E-05	0.009173	2.314758
INSIG2	0.509596	4.925389	4.50612	3.25E-05	0.00971	2.249251
SQLE	-0.71671	5.126541	-4.48334	3.52E-05	0.010352	2.177496
HMOX1	1.137996	7.566979	4.469959	3.68E-05	0.010526	2.135402
IDI1	-0.61924	5.55762	-4.47007	3.68E-05	0.010526	2.13574
FRAT2	-0.42146	3.636038	-4.4625	3.78E-05	0.010646	2.111965
CPA4	0.877547	1.39224	4.455208	3.88E-05	0.010763	2.089079
FSTL3	0.82907	4.248668	4.429569	4.24E-05	0.011279	2.008729
LSP1	0.799638	4.34537	4.430697	4.22E-05	0.011279	2.012259
ANKRD37	0.540991	3.055396	4.436815	4.13E-05	0.011279	2.031414
TREM1	1.392705	2.926653	4.405465	4.61E-05	0.01145	1.933384
SOCS3	1.388805	6.59799	4.414232	4.47E-05	0.01145	1.960767
IER3	1.2072	4.870926	4.404525	4.62E-05	0.01145	1.930449
PLIN2	1.084947	5.297021	4.401362	4.67E-05	0.01145	1.920578
BCL3	1.026827	4.5514	4.406093	4.60E-05	0.01145	1.935343
BNIP3	0.711487	5.805006	4.398723	4.71E-05	0.01145	1.912344
TPI1	0.572901	9.80698	4.416214	4.44E-05	0.01145	1.96696
CHRDL2	1.220591	1.568584	4.388778	4.88E-05	0.011562	1.881334
PLOD2	0.85251	5.403197	4.38876	4.88E-05	0.011562	1.881279
ARRDC3	0.780338	5.965739	4.383916	4.96E-05	0.011615	1.866187
CA9	1.981298	4.229438	4.36548	5.29E-05	0.012228	1.808821
GPI	0.546596	6.952772	4.361661	5.36E-05	0.012244	1.796951
STAC2	1.435152	4.583399	4.347672	5.62E-05	0.012698	1.753516
CA12	1.422572	4.881434	4.343054	5.71E-05	0.012753	1.739191

PPFIA4	0.766562	2.714568	4.338356	5.80E-05	0.012813	1.724627
HMGCR	-0.68425	4.895639	-4.33452	5.88E-05	0.012836	1.712746
FAS	0.892666	3.923334	4.318203	6.22E-05	0.013424	1.662233
PI3	2.533114	4.546171	4.301291	6.59E-05	0.013982	1.609982
HK3	1.001896	2.780482	4.299875	6.62E-05	0.013982	1.60561
CXCL1	1.355667	2.476339	4.293621	6.76E-05	0.01413	1.586314
GNA15	0.822062	3.72629	4.279395	7.10E-05	0.014675	1.542477
SAA1	2.603744	5.196247	4.26661	7.42E-05	0.01501	1.503141
COG2	-0.41471	3.711126	-4.26752	7.39E-05	0.01501	1.505923
ASB3	-0.36746	2.140153	-4.25887	7.61E-05	0.015252	1.479347
FTH1	0.555539	10.08441	4.246002	7.96E-05	0.015772	1.439853
CXCL6	1.256118	1.181112	4.242758	8.04E-05	0.015785	1.429906
ITGA5	0.825839	5.094998	4.232445	8.33E-05	0.016185	1.398303
GLUL	0.728883	8.890784	4.215425	8.83E-05	0.016976	1.346234
NEU4	-1.41125	3.611223	-4.20203	9.23E-05	0.01759	1.305337
TREML2	0.313457	0.390846	4.179229	9.97E-05	0.018814	1.235846
ZNF501	-0.61719	3.181267	-4.17424	0.000101	0.01895	1.22068
ESM1	1.469407	3.426779	4.170593	0.000103	0.019002	1.209579
PLK3	0.621034	4.565886	4.166779	0.000104	0.019066	1.197986
SERPINE1	1.521886	7.257798	4.144664	0.000112	0.02027	1.130881
KRT75	1.24006	1.31255	4.143033	0.000113	0.02027	1.12594
CD14	0.954067	8.059386	4.113215	0.000125	0.022199	1.03577
ABCG2	-0.91129	4.675965	-4.09013	0.000135	0.023764	0.966188
ZFYVE28	0.463293	2.296661	4.082405	0.000138	0.024165	0.942953
ZMYND8	-0.38104	4.608262	-4.07767	0.00014	0.024331	0.928729
NDUFAF6	-0.3784	3.453535	-4.0709	0.000143	0.024667	0.908386
THBD	1.041744	3.424523	4.064318	0.000147	0.024993	0.888638
CXCL2	1.355914	3.498676	4.032532	0.000163	0.026928	0.793489
CCN1	1.301079	6.839494	4.032071	0.000163	0.026928	0.792111
NAMPT	1.201542	6.983366	4.028124	0.000165	0.026928	0.780325
CH25H	1.16985	3.859281	4.02693	0.000166	0.026928	0.776762
PDK1	0.577562	2.618979	4.02647	0.000166	0.026928	0.775387
PRTFDC1	-0.5707	5.688676	-4.02687	0.000166	0.026928	0.776585
MAFK	0.66009	3.921689	4.023551	0.000168	0.026965	0.766676
HTR1B	0.360464	0.468348	4.017841	0.000171	0.027255	0.749648
SPOCD1	1.514665	4.862999	4.009416	0.000176	0.027799	0.724542
RRAS	0.692558	6.476934	4.006862	0.000177	0.027809	0.71694
EDN3	-1.18554	1.986817	-4.00075	0.000181	0.02815	0.698759
CLEC5A	1.086844	3.532927	3.987607	0.000189	0.028937	0.659691
FDPS	-0.43318	6.171073	-3.98952	0.000188	0.028937	0.665382
SOD2	1.226561	7.509337	3.982603	0.000192	0.029189	0.64484
NOL3	0.69043	4.721947	3.978048	0.000195	0.029402	0.631327
FN1	0.858782	7.761021	3.97024	0.0002	0.029937	0.608187
CTSL	0.601971	7.742056	3.961493	0.000206	0.030117	0.582291

PMP22	0.579535	7.85781	3.962817	0.000205	0.030117	0.586208
NET1	-0.84301	3.859474	-3.9633	0.000205	0.030117	0.587632
CCL20	1.345245	1.859963	3.940293	0.000221	0.030677	0.51966
PTPRU	0.997629	2.755461	3.942901	0.000219	0.030677	0.527355
NRN1	0.850217	6.81421	3.948712	0.000215	0.030677	0.54451
RETN	0.842479	1.168077	3.941348	0.00022	0.030677	0.522773
USP41	-0.3657	0.447397	-3.94132	0.00022	0.030677	0.522682
SLC52A3	-0.77493	2.669107	-3.94816	0.000215	0.030677	0.542889
KRT17	1.104585	1.386543	3.933562	0.000226	0.030921	0.499813
ATF3	0.863615	5.190553	3.934248	0.000225	0.030921	0.501834
VRK1	-0.60241	3.858348	-3.92326	0.000234	0.03176	0.469466
RAB42	0.589768	3.831257	3.920017	0.000236	0.031876	0.459931
RCC2	-0.47382	6.712956	-3.91737	0.000238	0.031931	0.452156
BIRC3	1.126003	2.424757	3.911744	0.000243	0.032083	0.435609
SFXN3	0.31502	5.218822	3.912325	0.000242	0.032083	0.437317
SLC39A14	0.803108	5.808272	3.90507	0.000248	0.032453	0.416008
RTKN	-0.59383	5.582287	-3.90411	0.000249	0.032453	0.413183
PCOLCE2	1.235911	3.031326	3.899664	0.000253	0.032708	0.400145
MARCO	1.552789	2.196797	3.892722	0.000258	0.032937	0.379796
P4HA2	0.733739	3.036112	3.889476	0.000261	0.032937	0.370285
DNAJB1	0.615193	7.753463	3.889468	0.000261	0.032937	0.370262
ZIC3	-0.40498	0.887617	-3.89099	0.00026	0.032937	0.374723
LRRN1	-1.03383	5.828472	-3.88745	0.000263	0.032941	0.364341
HAMP	1.260771	3.764406	3.882176	0.000267	0.033298	0.348916
MYL9	0.956221	6.13853	3.879978	0.000269	0.033323	0.342488
NUP35	-0.4428	3.913779	-3.87094	0.000277	0.033882	0.316056
ACAT2	-0.61752	4.859787	-3.86906	0.000279	0.033882	0.310586
ITM2A	-0.96088	7.029363	-3.86965	0.000278	0.033882	0.312295
MT1G	1.011221	5.119819	3.862942	0.000285	0.034349	0.292721
ANG	0.699804	3.509384	3.858173	0.000289	0.034671	0.278811
HCAR2	0.667165	0.76721	3.849916	0.000297	0.035395	0.254753
EXOG	-0.40451	3.431685	-3.84563	0.000301	0.035456	0.242276
FCGBP	1.227206	6.493905	3.835373	0.000311	0.036014	0.212449
SAA4	0.536831	0.43913	3.83526	0.000311	0.036014	0.212121
CCT3	-0.39316	7.827917	-3.83536	0.000311	0.036014	0.212412
FADS2	-0.85692	7.095835	-3.8299	0.000317	0.036428	0.196546
PIK3R3	-0.6732	4.218846	-3.82431	0.000323	0.036875	0.180342
ELP6	-0.38488	5.359173	-3.82174	0.000325	0.036966	0.172879
MAFB	0.843047	5.844296	3.797887	0.000351	0.039465	0.103827
IGFBP3	1.374256	7.427231	3.795261	0.000354	0.039572	0.09624
GOS2	1.100783	4.763063	3.774651	0.000379	0.040017	0.036806
STC1	1.083899	3.273018	3.769596	0.000385	0.040017	0.022255
CNN1	0.955772	2.277582	3.773679	0.00038	0.040017	0.034005
SYNPO	0.93575	5.164032	3.788596	0.000362	0.040017	0.076999

ITGB3	0.734505	1.790217	3.775631	0.000378	0.040017	0.039628
PPP1R13L	0.722735	2.962988	3.774457	0.000379	0.040017	0.036245
TUBA1C	0.607607	6.289104	3.769405	0.000385	0.040017	0.021708
FAM83G	0.517304	0.795159	3.782417	0.000369	0.040017	0.059178
PDSS1	-0.41918	3.403048	-3.77589	0.000377	0.040017	0.040363
KIZ	-0.50473	4.44591	-3.78588	0.000365	0.040017	0.069151
INTS7	-0.51093	4.253428	-3.78693	0.000364	0.040017	0.072196
FADS1	-0.5898	5.293328	-3.77003	0.000384	0.040017	0.023491
SLC38A5	-0.86348	5.663126	-3.78467	0.000367	0.040017	0.065688
CHI3L1	1.909975	10.89614	3.762936	0.000393	0.04064	0.003105
SOX8	-1.33849	6.562165	-3.75209	0.000407	0.041856	-0.02804
TFDP2	-0.50475	3.848267	-3.74178	0.000421	0.043034	-0.05759
KDM1A	-0.49756	6.068094	-3.73838	0.000425	0.043278	-0.06734
PRSS23	0.735073	4.003625	3.733401	0.000432	0.043517	-0.08159
PINX1	-0.32476	2.66522	-3.73499	0.00043	0.043517	-0.07704
APEX1	-0.43601	8.159888	-3.72958	0.000438	0.043824	-0.09251
TOP2B	-0.52638	6.455932	-3.72132	0.000449	0.044766	-0.11612
FAM118B	-0.41578	5.037457	-3.71813	0.000454	0.044993	-0.12523
ZNF395	0.633517	4.988839	3.714462	0.000459	0.045292	-0.13569
FOSL1	1.104738	3.972629	3.708743	0.000468	0.045745	-0.15199
MYCN	-1.12268	3.478746	-3.70817	0.000469	0.045745	-0.15363
NUDT5	-0.28912	4.730186	-3.69529	0.000488	0.047422	-0.19028
VPS45	-0.33463	5.2979	-3.69053	0.000496	0.047906	-0.20382
GAS6	0.56926	5.038282	3.684216	0.000506	0.048158	-0.22175
GINS3	-0.59397	3.351041	-3.68614	0.000503	0.048158	-0.2163
TRIL	-0.90367	5.670339	-3.68536	0.000504	0.048158	-0.2185
PLAUR	0.792244	4.456599	3.679079	0.000514	0.048711	-0.23632
TCIM	0.914499	5.863574	3.674369	0.000522	0.049205	-0.24968
HK2	0.798505	5.016841	3.668891	0.000531	0.049461	-0.2652
PIM1	0.63896	5.233136	3.668172	0.000532	0.049461	-0.26723
RBM17	-0.37314	4.985553	-3.66485	0.000538	0.049746	-0.27663
