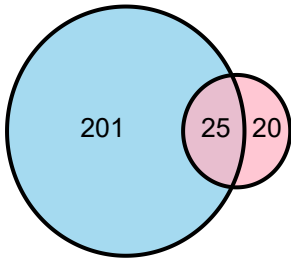


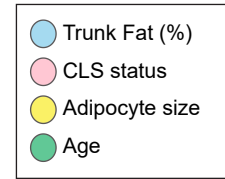
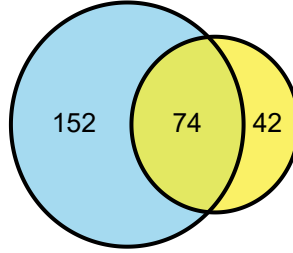
Supplementary Figure 1. Principal component analysis demonstrates that the presence of tumor had no effect on the transcriptome of non-tumorous breast tissue from an uninvolved quadrant of the breast. Non-tumor bearing and tumor bearing breast samples are well interspersed without distinctive clusters formed based on tumor status.

a.

Trunk Fat (%) vs. CLS status
Up-DEGs

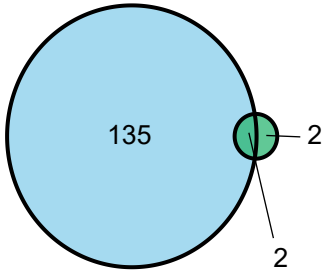


Trunk Fat (%) vs. Adipocyte size
Up-DEGs

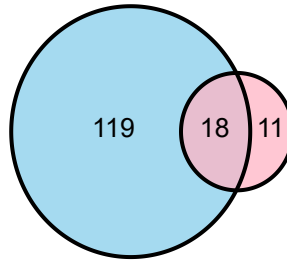


b.

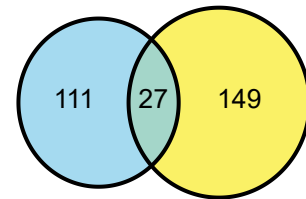
Trunk Fat (%) vs. Age
Dn-DEGs



Trunk Fat (%) vs. CLS status
Dn-DEGs

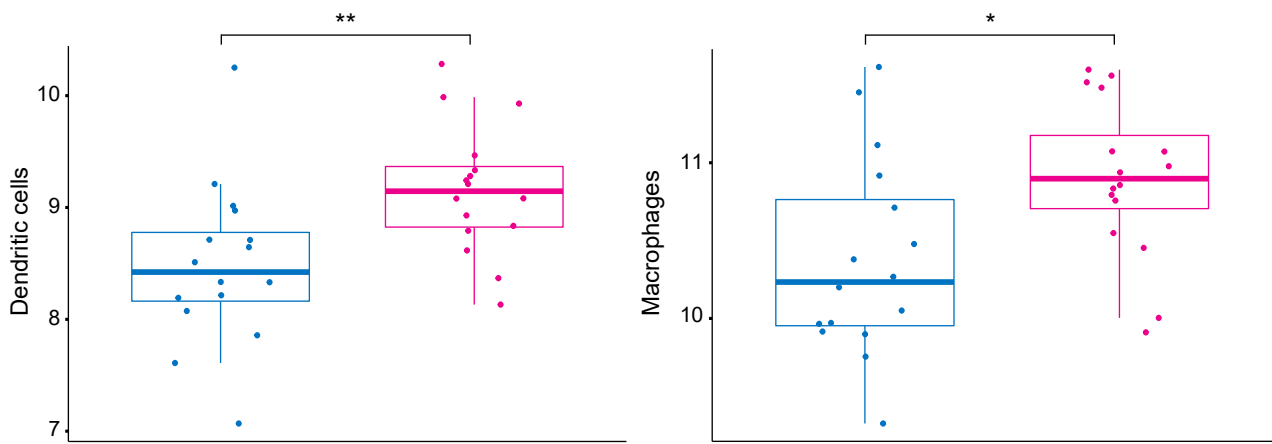


Trunk Fat (%) vs. Adipocyte size
Dn-DEGs

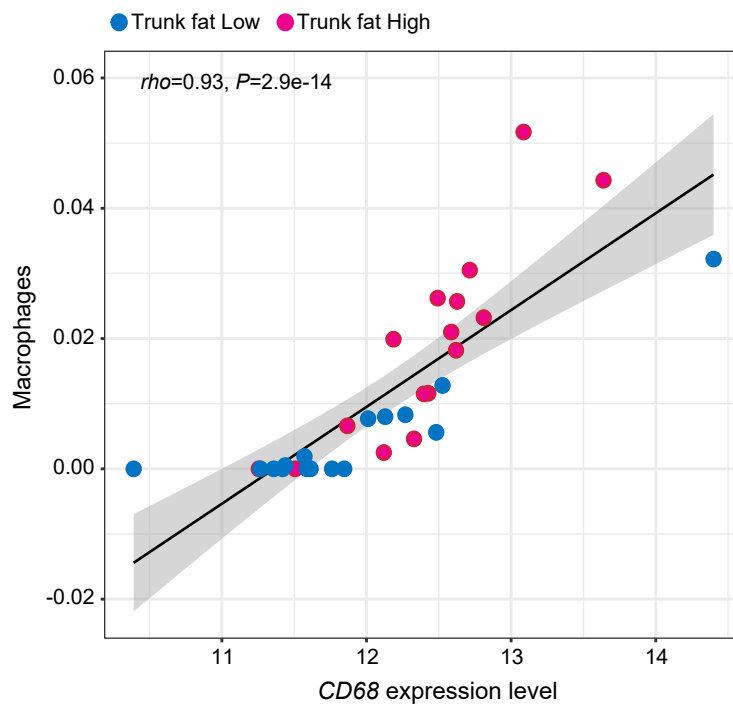


Supplementary Figure 2. Venn diagrams describing the number of overlapping DEGs. a. Up-regulated DEGs. b. Down-regulated DEGs.

Trunk fat Low Trunk fat High



Supplementary Figure 3. Increased populations of dendritic cells and macrophages were found in association with high vs. low trunk fat in normal BMI women. This analysis was carried out based on the gene expression signatures of Danaher et al. * $P < 0.05$; ** $P < 0.01$



Supplementary Figure 4. Levels of *CD68*, a macrophage marker, correlate with the estimated macrophage population in breast white adipose tissue as determined by xCell.

Supplementary Table 1. Differentially expressed genes in trunk fat high vs. low.
P.adj<0.05, |Log2FoldChange|>=0.6

Gene	DEG	Log2FoldChange	P.adj
<i>IL1RN</i>	UP	2.03	2.01E-08
<i>CSF3</i>	UP	3.31	1.82E-05
<i>UCHL1</i>	UP	2.01	1.82E-05
<i>HSPB8</i>	UP	1.04	7.30E-05
<i>HCST</i>	UP	1.30	9.68E-05
<i>LINC01852</i>	UP	0.88	9.68E-05
<i>PLAC9</i>	UP	1.36	9.68E-05
<i>SIGLEC7</i>	UP	1.43	0.0002
<i>ARHGDIG</i>	UP	2.07	0.0002
<i>TYROBP</i>	UP	1.26	0.0002
<i>DPT</i>	UP	1.27	0.0002
<i>CD83</i>	UP	1.11	0.0002
<i>LOC101929398</i>	UP	1.95	0.0002
<i>NQO1</i>	UP	1.23	0.0003
<i>TREM1</i>	UP	1.43	0.0003
<i>SYNC</i>	UP	1.07	0.0003
<i>ANKDD1A</i>	UP	1.17	0.0004
<i>NLRP3</i>	UP	1.10	0.0005
<i>TIMP1</i>	UP	0.87	0.0006
<i>CRYBB1</i>	UP	1.13	0.0007
<i>CRYAB</i>	UP	1.32	0.0007
<i>HSD11B1</i>	UP	1.14	0.0007
<i>EPDR1</i>	UP	0.83	0.0008
<i>SPI1</i>	UP	0.78	0.0008
<i>IFITM3</i>	UP	0.77	0.0011
<i>CDA</i>	UP	1.13	0.0013
<i>DOK2</i>	UP	1.03	0.0013
<i>SRPX2</i>	UP	0.90	0.0014
<i>LOC107987423</i>	UP	1.39	0.0016
<i>GNA15</i>	UP	0.92	0.0017
<i>ARPC1B</i>	UP	0.65	0.0017
<i>FCGR2A</i>	UP	0.79	0.0018
<i>CCL3</i>	UP	1.58	0.0019
<i>VMO1</i>	UP	1.27	0.0019
<i>HAS1</i>	UP	2.26	0.0019
<i>CPVL</i>	UP	0.70	0.0020
<i>FERMT3</i>	UP	0.76	0.0020
<i>WAS</i>	UP	0.71	0.0020
<i>CCND2</i>	UP	0.70	0.0020
<i>LEP</i>	UP	0.98	0.0020
<i>IL6</i>	UP	2.18	0.0021
<i>LOC105377918</i>	UP	1.35	0.0021

<i>CLEC2L</i>	UP	1.77	0.0022
<i>LINC00968</i>	UP	1.65	0.0023
<i>SLC14A2-AS1</i>	UP	1.53	0.0025
<i>FPR3</i>	UP	0.88	0.0025
<i>MYMX</i>	UP	1.19	0.0025
<i>C11orf96</i>	UP	1.15	0.0026
<i>LST1</i>	UP	1.01	0.0026
<i>C1QA</i>	UP	1.09	0.0027
<i>LOC102724850</i>	UP	1.21	0.0027
<i>IFITM1</i>	UP	0.61	0.0027
<i>EMP3</i>	UP	0.74	0.0027
<i>SAA1</i>	UP	1.55	0.0030
<i>MSR1</i>	UP	0.88	0.0031
<i>TNMD</i>	UP	0.98	0.0032
<i>C1QB</i>	UP	1.02	0.0034
<i>JUND</i>	UP	0.75	0.0035
<i>VLDLR-AS1</i>	UP	1.95	0.0038
<i>CD300C</i>	UP	0.95	0.0042
<i>MYL9</i>	UP	0.89	0.0042
<i>HMOX1</i>	UP	0.93	0.0043
<i>CCN5</i>	UP	0.85	0.0045
<i>UBE2D4</i>	UP	0.60	0.0045
<i>PLA1A</i>	UP	1.01	0.0048
<i>BAG3</i>	UP	0.82	0.0049
<i>CCL18</i>	UP	1.88	0.0051
<i>CXCL9</i>	UP	1.30	0.0051
<i>METRNL</i>	UP	0.73	0.0051
<i>PLAAT1</i>	UP	1.03	0.0051
<i>IFITM2</i>	UP	0.65	0.0052
<i>SH2D4A</i>	UP	0.65	0.0052
<i>ACP5</i>	UP	1.13	0.0053
<i>CYP4Z2P</i>	UP	1.26	0.0055
<i>P2RX6</i>	UP	1.68	0.0059
<i>C5orf64</i>	UP	1.04	0.0067
<i>PARD6A</i>	UP	0.74	0.0067
<i>SLC2A3</i>	UP	1.03	0.0067
<i>VENTX</i>	UP	0.84	0.0067
<i>GZMK</i>	UP	1.23	0.0069
<i>C1QC</i>	UP	1.01	0.0070
<i>CD151</i>	UP	0.77	0.0076
<i>LCP1</i>	UP	0.60	0.0081
<i>MMP19</i>	UP	0.81	0.0081
<i>DUSP14</i>	UP	0.63	0.0082
<i>SH3BGRL3</i>	UP	0.68	0.0082
<i>LINC00294</i>	UP	0.72	0.0082
<i>LGALS9</i>	UP	0.60	0.0087
<i>HS3ST2</i>	UP	1.34	0.0091

<i>HTRA1</i>	UP	0.68	0.0093
<i>LINC00857</i>	UP	0.67	0.0096
<i>CCL2</i>	UP	1.28	0.0100
<i>RND1</i>	UP	1.41	0.0101
<i>BTK</i>	UP	0.67	0.0104
<i>IL18</i>	UP	0.75	0.0106
<i>TAGLN</i>	UP	0.70	0.0108
<i>FCGR1B</i>	UP	1.34	0.0109
<i>CCDC3</i>	UP	1.40	0.0111
<i>RHOXF1</i>	UP	1.08	0.0112
<i>ADAMTS4</i>	UP	1.32	0.0118
<i>CD86</i>	UP	0.83	0.0120
<i>S100A10</i>	UP	0.74	0.0124
<i>TMEM54</i>	UP	0.80	0.0140
<i>BOLA2</i>	UP	0.66	0.0143
<i>LOC105372270</i>	UP	1.14	0.0154
<i>SELE</i>	UP	2.09	0.0154
<i>LOC101927243</i>	UP	1.31	0.0157
<i>GPSM3</i>	UP	0.64	0.0161
<i>GASAL1</i>	UP	0.68	0.0174
<i>IFI27L2</i>	UP	0.68	0.0175
<i>SNORD140</i>	UP	2.61	0.0175
<i>CH25H</i>	UP	1.30	0.0177
<i>ELN</i>	UP	0.70	0.0177
<i>TRDN</i>	UP	1.62	0.0177
<i>AFF2</i>	UP	1.32	0.0181
<i>EPB42</i>	UP	1.28	0.0181
<i>ITGB1BP1</i>	UP	0.66	0.0181
<i>LOC105374413</i>	UP	0.67	0.0181
<i>TMIGD3</i>	UP	0.86	0.0184
<i>URAD</i>	UP	2.75	0.0184
<i>BHMT2</i>	UP	0.76	0.0191
<i>PEMT</i>	UP	0.79	0.0195
<i>SCIN</i>	UP	1.23	0.0195
<i>SAA2</i>	UP	1.49	0.0196
<i>CASP4LP</i>	UP	0.63	0.0199
<i>MS4A14</i>	UP	1.04	0.0206
<i>FBLN1</i>	UP	0.62	0.0210
<i>PLTP</i>	UP	0.68	0.0212
<i>SLC15A3</i>	UP	0.62	0.0212
<i>LOC105369488</i>	UP	1.40	0.0213
<i>PIM1</i>	UP	1.01	0.0213
<i>RPP25</i>	UP	0.61	0.0213
<i>ULK4</i>	UP	0.64	0.0213
<i>LOC112267855</i>	UP	0.93	0.0213
<i>CD14</i>	UP	0.70	0.0217
<i>JAML</i>	UP	0.83	0.0217

<i>CD1C</i>	UP	1.02	0.0220
<i>VEGFC</i>	UP	0.62	0.0220
<i>C1QTNF5</i>	UP	0.75	0.0226
<i>GPRC5A</i>	UP	0.99	0.0226
<i>C15orf65</i>	UP	0.63	0.0234
<i>LHCGR</i>	UP	1.35	0.0236
<i>PYCARD</i>	UP	0.68	0.0236
<i>DNLZ</i>	UP	0.93	0.0238
<i>PIR</i>	UP	0.65	0.0242
<i>THEMIS2</i>	UP	0.73	0.0242
<i>TMEM160</i>	UP	0.75	0.0242
<i>FCGR1A</i>	UP	0.97	0.0242
<i>FGF18</i>	UP	1.12	0.0242
<i>KLHL30</i>	UP	1.17	0.0242
<i>MXRA7</i>	UP	0.62	0.0243
<i>CTSS</i>	UP	0.61	0.0247
<i>CST3</i>	UP	0.77	0.0248
<i>ISG15</i>	UP	0.86	0.0256
<i>ADAP1</i>	UP	0.71	0.0265
<i>CD52</i>	UP	1.20	0.0266
<i>TNFSF14</i>	UP	0.73	0.0276
<i>AIF1</i>	UP	0.83	0.0277
<i>CLEC4G</i>	UP	1.28	0.0277
<i>LOC389705</i>	UP	0.66	0.0285
<i>CHIT1</i>	UP	1.85	0.0286
<i>RAB32</i>	UP	0.71	0.0290
<i>MYZAP</i>	UP	0.72	0.0292
<i>PMEPA1</i>	UP	0.76	0.0292
<i>C2CD4B</i>	UP	1.52	0.0297
<i>RNF122</i>	UP	0.96	0.0297
<i>BCL2A1</i>	UP	1.08	0.0298
<i>FOLR2</i>	UP	0.85	0.0298
<i>NPL</i>	UP	0.70	0.0302
<i>ADCYAP1</i>	UP	1.75	0.0307
<i>ZNF541</i>	UP	1.02	0.0307
<i>LOC105378687</i>	UP	0.63	0.0315
<i>IL17D</i>	UP	0.67	0.0320
<i>LINC01260</i>	UP	1.00	0.0322
<i>SULT1A2</i>	UP	1.13	0.0333
<i>ACOT7</i>	UP	0.61	0.0336
<i>NCF2</i>	UP	0.62	0.0339
<i>LOC101929638</i>	UP	0.88	0.0342
<i>HLA-DRA</i>	UP	0.64	0.0345
<i>RENBP</i>	UP	0.72	0.0345
<i>LINC01402</i>	UP	0.85	0.0347
<i>RGS16</i>	UP	0.78	0.0347
<i>TPSD1</i>	UP	1.56	0.0355

<i>RASGRP4</i>	UP	0.65	0.0357
<i>VLDLR</i>	UP	0.83	0.0368
<i>ITGB2</i>	UP	0.67	0.0369
<i>SLC51A</i>	UP	0.69	0.0373
<i>C19orf38</i>	UP	0.93	0.0373
<i>PROK1</i>	UP	1.56	0.0375
<i>NPR3</i>	UP	1.12	0.0377
<i>NRROS</i>	UP	0.61	0.0379
<i>C1orf198</i>	UP	0.77	0.0390
<i>PISD</i>	UP	0.63	0.0390
<i>HLA-DPB1</i>	UP	0.72	0.0390
<i>TLCD2</i>	UP	0.61	0.0399
<i>CD300E</i>	UP	0.84	0.0407
<i>GRB14</i>	UP	0.82	0.0407
<i>RAB44</i>	UP	0.76	0.0407
<i>EBI3</i>	UP	0.79	0.0417
<i>KLHDC7A</i>	UP	1.69	0.0428
<i>CD53</i>	UP	0.67	0.0429
<i>GPR183</i>	UP	0.75	0.0429
<i>PDLIM2</i>	UP	0.61	0.0429
<i>SNHG26</i>	UP	0.89	0.0432
<i>NCF1</i>	UP	0.68	0.0442
<i>ZNF219</i>	UP	0.73	0.0442
<i>CES1</i>	UP	0.90	0.0443
<i>MIEN1</i>	UP	0.61	0.0443
<i>BCYRN1</i>	UP	1.08	0.0446
<i>HK3</i>	UP	0.81	0.0452
<i>FAM180B</i>	UP	0.93	0.0464
<i>LOC105375707</i>	UP	0.78	0.0467
<i>MIR22HG</i>	UP	0.61	0.0467
<i>IGSF6</i>	UP	0.71	0.0468
<i>SOCS3</i>	UP	1.11	0.0471
<i>C1orf122</i>	UP	0.76	0.0472
<i>AKR1C1</i>	UP	0.67	0.0473
<i>IER3-AS1</i>	UP	1.60	0.0473
<i>CFP</i>	UP	0.67	0.0488
<i>FHL1</i>	UP	0.69	0.0488
<i>PI16</i>	UP	0.93	0.0488
<i>IGFBP6</i>	UP	0.63	0.0489
<i>C3AR1</i>	UP	0.71	0.0492
<i>HSPB2</i>	UP	0.69	0.0496
<i>CFD</i>	UP	0.72	0.0497
<i>NTNG1</i>	UP	0.97	0.0498
<i>CSN2</i>	DN	-9.40	0.0000
<i>LALBA</i>	DN	-7.74	0.0000
<i>LOC102723566</i>	DN	-0.92	0.0000
<i>BTN1A1</i>	DN	-4.23	0.0000

<i>LOC105375012</i>	DN	-3.35	0.0000
<i>CSN3</i>	DN	-6.62	0.0000
<i>XDH</i>	DN	-2.49	0.0001
<i>BRIP1</i>	DN	-0.98	0.0001
<i>CHIA</i>	DN	-3.68	0.0001
<i>SLC28A3</i>	DN	-3.20	0.0007
<i>C6</i>	DN	-1.71	0.0007
<i>LOC107985388</i>	DN	-0.89	0.0020
<i>PKP2</i>	DN	-1.05	0.0021
<i>MGAM2</i>	DN	-2.31	0.0021
<i>ALK</i>	DN	-1.27	0.0022
<i>PI3</i>	DN	-2.31	0.0025
<i>SEMA4G</i>	DN	-0.60	0.0036
<i>SLC16A10</i>	DN	-0.64	0.0037
<i>SLCO1C1</i>	DN	-1.05	0.0045
<i>TTC36</i>	DN	-1.34	0.0048
<i>LOC107987152</i>	DN	-0.96	0.0050
<i>MAMDC4</i>	DN	-1.50	0.0052
<i>MEF2B</i>	DN	-1.68	0.0052
<i>PEX5L</i>	DN	-0.99	0.0054
<i>MOGAT1</i>	DN	-1.29	0.0057
<i>LTF</i>	DN	-2.00	0.0059
<i>GFAP</i>	DN	-1.04	0.0067
<i>LOC105378577</i>	DN	-2.00	0.0070
<i>ABCG8</i>	DN	-0.71	0.0071
<i>MUC5B</i>	DN	-2.13	0.0082
<i>GCK</i>	DN	-1.28	0.0091
<i>TOX3</i>	DN	-1.53	0.0091
<i>AMN</i>	DN	-1.67	0.0098
<i>OBSCN</i>	DN	-0.93	0.0098
<i>CLCA4</i>	DN	-2.40	0.0099
<i>FGF7P3</i>	DN	-0.81	0.0114
<i>LINC02076</i>	DN	-0.93	0.0115
<i>ATP2B2</i>	DN	-1.43	0.0116
<i>KIF19</i>	DN	-1.27	0.0124
<i>TMEM9B-AS1</i>	DN	-0.76	0.0125
<i>SSPOP</i>	DN	-0.93	0.0126
<i>LOC101927300</i>	DN	-0.63	0.0134
<i>PKIA</i>	DN	-0.66	0.0140
<i>ZNF334</i>	DN	-0.93	0.0140
<i>SLC16A8</i>	DN	-0.92	0.0156
<i>CECR2</i>	DN	-0.94	0.0157
<i>LTB4R2</i>	DN	-0.62	0.0159
<i>CA3</i>	DN	-1.51	0.0161
<i>CSPG5</i>	DN	-0.88	0.0169
<i>MYBL2</i>	DN	-0.92	0.0169
<i>BBOX1</i>	DN	-1.59	0.0172

<i>LOC102723648</i>	DN	-0.82	0.0173
<i>GLYCTK</i>	DN	-1.12	0.0174
<i>LOC105378561</i>	DN	-0.73	0.0177
<i>LOC107984836</i>	DN	-0.91	0.0191
<i>C19orf57</i>	DN	-0.78	0.0192
<i>LINC01235</i>	DN	-1.91	0.0195
<i>LOC101927401</i>	DN	-1.19	0.0199
<i>ALG1L</i>	DN	-0.61	0.0202
<i>TBATA</i>	DN	-1.98	0.0208
<i>LOC105373903</i>	DN	-1.09	0.0209
<i>COL27A1</i>	DN	-0.92	0.0213
<i>CTSV</i>	DN	-1.26	0.0213
<i>LOC105372431</i>	DN	-0.90	0.0213
<i>LPIN1</i>	DN	-0.77	0.0213
<i>TIAM2</i>	DN	-0.95	0.0213
<i>SLC34A2</i>	DN	-1.97	0.0218
<i>DNHD1</i>	DN	-0.63	0.0220
<i>PLEKHS1</i>	DN	-1.87	0.0220
<i>PRRT4</i>	DN	-1.09	0.0220
<i>CDT1</i>	DN	-1.24	0.0222
<i>PEG10</i>	DN	-1.13	0.0236
<i>RAB26</i>	DN	-1.13	0.0246
<i>RP1L1</i>	DN	-1.07	0.0246
<i>SHROOM2</i>	DN	-0.86	0.0246
<i>ANKRD20A8P</i>	DN	-1.32	0.0247
<i>SLC9A3</i>	DN	-0.61	0.0255
<i>ABCG5</i>	DN	-0.74	0.0259
<i>LOC107986785</i>	DN	-0.85	0.0259
<i>LOC727978</i>	DN	-0.93	0.0259
<i>NRAD1</i>	DN	-1.46	0.0259
<i>KIF20A</i>	DN	-1.23	0.0261
<i>LOC105374473</i>	DN	-1.01	0.0266
<i>LOC105369201</i>	DN	-1.33	0.0269
<i>FAM161A</i>	DN	-0.64	0.0271
<i>PCP4L1</i>	DN	-1.04	0.0279
<i>EPCAM-DT</i>	DN	-1.04	0.0283
<i>B3GAT1</i>	DN	-1.42	0.0287
<i>KLHL32</i>	DN	-0.85	0.0298
<i>PDZD7</i>	DN	-0.98	0.0309
<i>GLUD1P3</i>	DN	-0.63	0.0314
<i>AZGP1P1</i>	DN	-1.23	0.0317
<i>LOC101927088</i>	DN	-0.83	0.0317
<i>ANKRD24</i>	DN	-0.68	0.0322
<i>MUC16</i>	DN	-1.45	0.0328
<i>FABP7</i>	DN	-2.19	0.0328
<i>FASN</i>	DN	-1.19	0.0329
<i>EYA1</i>	DN	-0.88	0.0333

<i>LOC105373027</i>	DN	-1.41	0.0333
<i>KRT80</i>	DN	-1.79	0.0337
<i>MRPL23-AS1</i>	DN	-0.99	0.0341
<i>PTCHD1</i>	DN	-1.49	0.0345
<i>TCN1</i>	DN	-1.90	0.0355
<i>ANKK1</i>	DN	-0.66	0.0365
<i>PWARSN</i>	DN	-0.66	0.0368
<i>GOLGA6L9</i>	DN	-0.81	0.0369
<i>PPP1R14C</i>	DN	-1.47	0.0372
<i>NPC1L1</i>	DN	-1.01	0.0382
<i>KCNS1</i>	DN	-1.85	0.0390
<i>KCTD14</i>	DN	-1.34	0.0390
<i>LOC107985939</i>	DN	-0.74	0.0390
<i>LRIG1</i>	DN	-0.71	0.0390
<i>ANTXRL</i>	DN	-1.66	0.0394
<i>SCNN1G</i>	DN	-1.43	0.0395
<i>CEL</i>	DN	-1.12	0.0402
<i>RIMBP2</i>	DN	-0.96	0.0421
<i>SMIM17</i>	DN	-1.84	0.0428
<i>HELLS</i>	DN	-0.94	0.0429
<i>PRR7</i>	DN	-1.09	0.0429
<i>SPTB</i>	DN	-1.01	0.0429
<i>LOC101927751</i>	DN	-1.11	0.0434
<i>CSN1S2AP</i>	DN	-9.53	0.0442
<i>TSPY26P</i>	DN	-0.81	0.0442
<i>ESPL1</i>	DN	-0.98	0.0443
<i>MAGED4</i>	DN	-0.81	0.0452
<i>LOC105371692</i>	DN	-0.75	0.0454
<i>LOC105371505</i>	DN	-0.89	0.0461
<i>LOC112268187</i>	DN	-1.34	0.0464
<i>LINC00680-GUSBP4</i>	DN	-0.85	0.0468
<i>ADIPOQ-AS1</i>	DN	-1.25	0.0473
<i>LOC112268021</i>	DN	-0.82	0.0473
<i>ACSM2B</i>	DN	-0.84	0.0479
<i>TROAP</i>	DN	-1.07	0.0485
<i>INTS4P2</i>	DN	-1.81	0.0488
<i>RASD2</i>	DN	-0.93	0.0491
<i>UHRF1</i>	DN	-0.94	0.0494
<i>FAM166B</i>	DN	-0.86	0.0496

Supplementary Table 2. Differentially expressed genes for age \geq 45 vs. age $<$ 45 years.
P.adj $<$ 0.05, |Log2FoldChange| \geq 0.6

Gene	DEG	Overlapped with High vs. Low Trunk Fat	Log2FoldChange	P.adj
<i>DHRS2</i>	UP	No overlap	2.03	0.029804
<i>CSN2</i>	DN	Overlapped	-6.92	0.029804
<i>LALBA</i>	DN	Overlapped	-5.67	0.029804
<i>LINC00639</i>	DN	No overlap	-0.79	0.029804

Supplementary Table 3. Differentially expressed genes in post- vs. premenopausal women.
 $P_{adj} < 0.05$, $|\text{Log}_2\text{FoldChange}| \geq 0.6$

Gene	DEG	Overlapped with High vs. Low Trunk Fat	Log2FoldChange	P.adj
<i>LOC107984247</i>	UP	No overlap	7.69	0.005367
<i>LOC105372884</i>	UP	No overlap	0.82	0.022463
<i>RCAN2</i>	UP	No overlap	1.26	0.035198
<i>SLC16A9</i>	DN	No overlap	-2.61	0.000003
<i>TFF1</i>	DN	No overlap	-5.25	0.001846
<i>GREB1</i>	DN	No overlap	-1.77	0.005367
<i>LOC105379521</i>	DN	No overlap	-2.06	0.005367
<i>SCGB3A1</i>	DN	No overlap	-4.48	0.006377
<i>GLRA3</i>	DN	No overlap	-3.04	0.018312
<i>LINC01139</i>	DN	No overlap	-3.03	0.033351
<i>LINC01087</i>	DN	No overlap	-3.64	0.041224
<i>TUBA3D</i>	DN	No overlap	-2.09	0.041224

Supplementary Table 4. Differentially expressed genes for CLS(+) vs. CLS(-).
P.adj<0.05, |Log2FoldChange|>=0.6

Gene	DEG	Overlapped with High vs. Low Trunk Fat	Log2FoldChange	P.adj
<i>UPK1A</i>	UP	No overlap	2.21	0.000251294
<i>ACP5</i>	UP	Overlapped	1.37	0.000727725
<i>CCL18</i>	UP	Overlapped	2.24	0.001355663
<i>RPP25</i>	UP	Overlapped	0.77	0.007356342
<i>VLDLR-AS1</i>	UP	Overlapped	2.14	0.007922787
<i>CCN5</i>	UP	Overlapped	0.94	0.008988897
<i>DPT</i>	UP	Overlapped	1.22	0.008988897
<i>IQCD</i>	UP	No overlap	0.66	0.008988897
<i>CHIT1</i>	UP	Overlapped	2.34	0.009641139
<i>TMIGD3</i>	UP	Overlapped	1.01	0.016480607
<i>ATP6V0D2</i>	UP	No overlap	1.35	0.019248135
<i>LINC02227</i>	UP	No overlap	1.54	0.020926916
<i>SNORD140</i>	UP	Overlapped	2.95	0.020926916
<i>LL22NC03-104C7.1</i>	UP	No overlap	0.85	0.02124364
<i>LOC105374413</i>	UP	Overlapped	0.76	0.024222978
<i>HS3ST2</i>	UP	Overlapped	1.44	0.024900316
<i>IL18</i>	UP	Overlapped	0.81	0.027290226
<i>ITGB1BP1</i>	UP	Overlapped	0.75	0.027590712
<i>SRPX2</i>	UP	Overlapped	0.88	0.027590712
<i>GFRAL</i>	UP	No overlap	1.07	0.028219215
<i>PLA2G7</i>	UP	No overlap	1.31	0.031911888
<i>ZBED5-AS1</i>	UP	No overlap	0.67	0.032686129
<i>LOC105374657</i>	UP	No overlap	2.04	0.034716876
<i>PRDX4</i>	UP	No overlap	0.65	0.034716876
<i>TXN</i>	UP	No overlap	0.64	0.034716876
<i>LINC01852</i>	UP	Overlapped	0.76	0.034942895
<i>BOLA2</i>	UP	Overlapped	0.71	0.035130342
<i>CASP4LP</i>	UP	Overlapped	0.70	0.037165709
<i>DOK2</i>	UP	Overlapped	0.95	0.037165709
<i>LOC101927243</i>	UP	Overlapped	1.37	0.039003386
<i>TNMD</i>	UP	Overlapped	0.95	0.039003386
<i>GGTA1P</i>	UP	No overlap	0.64	0.039086782
<i>RAB32</i>	UP	Overlapped	0.81	0.039086782
<i>UCHL1</i>	UP	Overlapped	1.59	0.040036356
<i>LOC105373334</i>	UP	No overlap	0.92	0.046658069
<i>MSTO1</i>	UP	No overlap	0.71	0.046658069
<i>FTH1</i>	UP	No overlap	0.73	0.047321604
<i>FTH1P3</i>	UP	No overlap	0.85	0.047321604
<i>HSD11B1-AS1</i>	UP	No overlap	0.97	0.047321604
<i>PLAAT1</i>	UP	Overlapped	1.00	0.047321604
<i>C15orf65</i>	UP	Overlapped	0.68	0.048176156

<i>CCDC13</i>	UP	No overlap	0.68	0.049049103
<i>GNA15</i>	UP	Overlapped	0.84	0.049049103
<i>NPC2</i>	UP	No overlap	0.63	0.049049103
<i>LOC101929645</i>	UP	No overlap	0.63	0.049268263
<i>CSN1S2AP</i>	DN	Overlapped	-22.87	1.31E-08
<i>LALBA</i>	DN	Overlapped	-7.76	0.000105711
<i>CSN2</i>	DN	Overlapped	-8.79	0.000251294
<i>PIGR</i>	DN	No overlap	-3.24	0.007922787
<i>BTN1A1</i>	DN	Overlapped	-3.91	0.00858592
<i>CSN3</i>	DN	Overlapped	-6.06	0.019248135
<i>TBATA</i>	DN	Overlapped	-2.48	0.020569288
<i>SHISA6</i>	DN	No overlap	-0.95	0.024222978
<i>LPIN1</i>	DN	Overlapped	-0.92	0.026478841
<i>MMS22L</i>	DN	No overlap	-0.67	0.026478841
<i>CDCA7</i>	DN	No overlap	-1.37	0.032686129
<i>MRPL23-AS1</i>	DN	Overlapped	-1.26	0.033600066
<i>LOC105371505</i>	DN	Overlapped	-1.16	0.033863564
<i>APOL4</i>	DN	No overlap	-1.43	0.034716876
<i>LOC105373903</i>	DN	Overlapped	-1.29	0.034716876
<i>PRDM1</i>	DN	No overlap	-0.74	0.034716876
<i>SLCO1C1</i>	DN	Overlapped	-1.08	0.034817576
<i>LOC102723566</i>	DN	Overlapped	-0.75	0.038639229
<i>MUC5B</i>	DN	Overlapped	-2.27	0.038639229
<i>ZNF334</i>	DN	Overlapped	-1.01	0.039035293
<i>CHRNA7</i>	DN	No overlap	-1.30	0.039086782
<i>CTH</i>	DN	No overlap	-0.73	0.039086782
<i>LINC02656</i>	DN	No overlap	-0.89	0.039342033
<i>ANKRD20A8P</i>	DN	Overlapped	-1.53	0.041604506
<i>BMP3</i>	DN	No overlap	-1.92	0.041604506
<i>GPR137C</i>	DN	No overlap	-0.83	0.041604506
<i>C6</i>	DN	Overlapped	-1.53	0.047367673
<i>PRRT4</i>	DN	Overlapped	-1.20	0.049049103
<i>MAMDC4</i>	DN	Overlapped	-1.48	0.049268263

Supplementary Table 5. Differentially expressed genes in large vs. small adipocytes.
P.adj<0.05, |Log2FoldChange|>=0.6

Gene	DEG	Overlapped with High vs. Low Trunk Fat	Log2FoldChange	P.adj
<i>EPB42</i>	UP	Overlapped	1.75	3.93E-05
<i>LOC101929398</i>	UP	Overlapped	2.00	0.00048954
<i>LINC00968</i>	UP	Overlapped	1.85	0.000603474
<i>SCIN</i>	UP	Overlapped	1.55	0.001156601
<i>UCHL1</i>	UP	Overlapped	1.86	0.001156601
<i>CCDC3</i>	UP	Overlapped	1.67	0.001211335
<i>SLC14A2-AS1</i>	UP	Overlapped	1.67	0.001211335
<i>PLA1A</i>	UP	Overlapped	1.12	0.00132494
<i>ULK4</i>	UP	Overlapped	0.78	0.00132494
<i>AFF2</i>	UP	Overlapped	1.62	0.001596947
<i>LOC105377982</i>	UP	No overlap	1.45	0.00281547
<i>EPDR1</i>	UP	Overlapped	0.82	0.002847942
<i>NRCAM</i>	UP	No overlap	1.95	0.002847942
<i>LINC01852</i>	UP	Overlapped	0.81	0.003231738
<i>VLDLR-AS1</i>	UP	Overlapped	2.07	0.00327304
<i>C4orf19</i>	UP	No overlap	0.62	0.003554836
<i>TNFRSF10D</i>	UP	No overlap	0.95	0.003606475
<i>FHL1</i>	UP	Overlapped	0.88	0.003747747
<i>SAA1</i>	UP	Overlapped	1.60	0.003747747
<i>BMP2</i>	UP	No overlap	0.87	0.004121004
<i>MMP19</i>	UP	Overlapped	0.88	0.004121004
<i>MYMX</i>	UP	Overlapped	1.21	0.004481529
<i>LEP</i>	UP	Overlapped	0.98	0.004609544
<i>VLDLR</i>	UP	Overlapped	1.03	0.004609544
<i>HSPB8</i>	UP	Overlapped	0.92	0.00495356
<i>SYNC</i>	UP	Overlapped	0.97	0.006621705
<i>ARHGDI3</i>	UP	Overlapped	1.83	0.006846737
<i>SRPX2</i>	UP	Overlapped	0.87	0.006846737
<i>DZIP1L</i>	UP	No overlap	0.61	0.007102318
<i>MYZAP</i>	UP	Overlapped	0.84	0.007470579
<i>LYZ</i>	UP	No overlap	1.44	0.008020398
<i>LOC105376486</i>	UP	No overlap	0.77	0.008411787
<i>NQO1</i>	UP	Overlapped	1.10	0.00877626
<i>RHOXF1</i>	UP	Overlapped	1.15	0.00877626
<i>HSD11B1</i>	UP	Overlapped	1.04	0.00907245
<i>HOXC8</i>	UP	No overlap	0.74	0.009694005
<i>GFRAL</i>	UP	No overlap	1.06	0.009995821
<i>TRDN</i>	UP	Overlapped	1.77	0.009995821
<i>UPK1A</i>	UP	No overlap	1.81	0.009995821
<i>LOC107985524</i>	UP	No overlap	0.80	0.010203662
<i>MSR1</i>	UP	Overlapped	0.85	0.0106403

<i>LOC105377918</i>	UP	Overlapped	1.28	0.010912143
<i>ANKRD33B</i>	UP	No overlap	0.97	0.011552178
<i>DCUN1D3</i>	UP	No overlap	0.62	0.011552178
<i>PIR</i>	UP	Overlapped	0.72	0.011701
<i>BAG3</i>	UP	Overlapped	0.81	0.011995574
<i>TREM1</i>	UP	Overlapped	1.23	0.011995574
<i>NLRP3</i>	UP	Overlapped	0.96	0.012694626
<i>CSF3</i>	UP	Overlapped	2.63	0.01359005
<i>SELE</i>	UP	Overlapped	2.20	0.01359005
<i>LOC107987423</i>	UP	Overlapped	1.26	0.013602757
<i>SLC25A25</i>	UP	No overlap	0.86	0.014003154
<i>TNMD</i>	UP	Overlapped	0.92	0.015506415
<i>HS3ST2</i>	UP	Overlapped	1.34	0.015543886
<i>LOC105378685</i>	UP	No overlap	0.95	0.016873594
<i>STX11</i>	UP	No overlap	0.64	0.017372013
<i>LINC01402</i>	UP	Overlapped	0.95	0.017686376
<i>LOC105378915</i>	UP	No overlap	1.06	0.019179403
<i>PCLO</i>	UP	No overlap	1.02	0.019179403
<i>BHMT2</i>	UP	Overlapped	0.79	0.019429999
<i>LOC105373202</i>	UP	No overlap	1.43	0.019436683
<i>VENTX</i>	UP	Overlapped	0.81	0.020262138
<i>LOC100506178</i>	UP	No overlap	0.98	0.020598872
<i>LOC105372270</i>	UP	Overlapped	1.15	0.020598872
<i>SAA2</i>	UP	Overlapped	1.54	0.020598872
<i>TLCD2</i>	UP	Overlapped	0.68	0.020598872
<i>SLC2A3</i>	UP	Overlapped	0.99	0.021041132
<i>LOC105374166</i>	UP	No overlap	1.40	0.021632068
<i>DOK2</i>	UP	Overlapped	0.89	0.022439888
<i>GZMK</i>	UP	Overlapped	1.17	0.022439888
<i>RGS20</i>	UP	No overlap	1.06	0.022439888
<i>LOC105374127</i>	UP	No overlap	1.06	0.022687485
<i>PROK1</i>	UP	Overlapped	1.72	0.022989648
<i>ITSN1</i>	UP	No overlap	0.61	0.023771542
<i>CRYAB</i>	UP	Overlapped	1.10	0.024551553
<i>GRB14</i>	UP	Overlapped	0.89	0.024620897
<i>HSPA12A</i>	UP	No overlap	0.85	0.025683373
<i>LINC00857</i>	UP	Overlapped	0.64	0.025683373
<i>METRNL</i>	UP	Overlapped	0.68	0.025683373
<i>COL8A1</i>	UP	No overlap	1.14	0.025789931
<i>SH2D4A</i>	UP	Overlapped	0.60	0.025841092
<i>LOC101927243</i>	UP	Overlapped	1.29	0.026055084
<i>TNFSF14</i>	UP	Overlapped	0.76	0.026055084
<i>DPT</i>	UP	Overlapped	1.01	0.026410262
<i>WDPCP</i>	UP	No overlap	0.69	0.02683696
<i>NECAB1</i>	UP	No overlap	0.93	0.027173205
<i>CCL3</i>	UP	Overlapped	1.33	0.031057866
<i>MIR22HG</i>	UP	Overlapped	0.67	0.031790483

<i>CHST3</i>	UP	No overlap	0.65	0.031830723
<i>NRP2</i>	UP	No overlap	0.70	0.032458335
<i>PMEPA1</i>	UP	Overlapped	0.78	0.03485418
<i>EGFL6</i>	UP	No overlap	2.54	0.036363136
<i>HAS1</i>	UP	Overlapped	1.86	0.036363136
<i>NPR3</i>	UP	Overlapped	1.17	0.036764165
<i>PTPRQ</i>	UP	No overlap	0.95	0.036764165
<i>RNF122</i>	UP	Overlapped	0.98	0.036764165
<i>C19orf38</i>	UP	Overlapped	0.97	0.037751557
<i>PYGL</i>	UP	No overlap	0.63	0.037751557
<i>LINC00891</i>	UP	No overlap	0.72	0.040569439
<i>LOC100132741</i>	UP	No overlap	0.72	0.040569439
<i>ARHGEF39</i>	UP	No overlap	0.60	0.0409044
<i>ID4</i>	UP	No overlap	0.70	0.041142481
<i>LOC107984952</i>	UP	No overlap	0.83	0.04420987
<i>FGF18</i>	UP	Overlapped	1.09	0.044338161
<i>URAD</i>	UP	Overlapped	2.60	0.044338161
<i>ANKDD1A</i>	UP	Overlapped	0.90	0.04489705
<i>FERMT3</i>	UP	Overlapped	0.63	0.046002361
<i>GLYAT</i>	UP	No overlap	0.75	0.046002361
<i>LOC102724850</i>	UP	Overlapped	1.00	0.046002361
<i>LOC105374657</i>	UP	No overlap	1.74	0.046002361
<i>HMOX1</i>	UP	Overlapped	0.80	0.046420871
<i>MYL9</i>	UP	Overlapped	0.76	0.04652077
<i>CD209</i>	UP	No overlap	0.76	0.046951076
<i>FCGR2A</i>	UP	Overlapped	0.64	0.048017337
<i>C5orf64</i>	UP	Overlapped	0.91	0.048407326
<i>IL6</i>	UP	Overlapped	1.75	0.049169961
<i>RAB26</i>	DN	Overlapped	-1.98	0.000601018
<i>DEGS2</i>	DN	No overlap	-1.88	0.00132494
<i>TMEM25</i>	DN	No overlap	-0.74	0.001596947
<i>GRIK3</i>	DN	No overlap	-1.82	0.001777693
<i>TOX3</i>	DN	Overlapped	-1.75	0.001777693
<i>SALL2</i>	DN	No overlap	-0.73	0.002164853
<i>TOP2A</i>	DN	No overlap	-1.57	0.002847942
<i>TMEM132A</i>	DN	No overlap	-1.55	0.004121004
<i>WNK4</i>	DN	No overlap	-1.80	0.004852878
<i>VWA2</i>	DN	No overlap	-1.18	0.005346739
<i>BRIP1</i>	DN	Overlapped	-0.86	0.005546229
<i>CRB3</i>	DN	No overlap	-0.98	0.005546229
<i>GP2</i>	DN	No overlap	-2.70	0.005546229
<i>PCSK4</i>	DN	No overlap	-1.10	0.006846737
<i>PLEKHN1</i>	DN	No overlap	-1.80	0.006846737
<i>SLC26A3</i>	DN	No overlap	-2.62	0.006846737
<i>SOWAHB</i>	DN	No overlap	-1.53	0.007470579
<i>GALNT6</i>	DN	No overlap	-1.75	0.00877626

<i>WNT7B</i>	DN	No overlap	-1.84	0.00907245
<i>TMEM63C</i>	DN	No overlap	-2.41	0.009370351
<i>C6</i>	DN	Overlapped	-1.55	0.009857074
<i>NUSAP1</i>	DN	No overlap	-0.88	0.009922929
<i>PROM2</i>	DN	No overlap	-1.63	0.009922929
<i>ALOX15B</i>	DN	No overlap	-2.64	0.009995821
<i>CHIA</i>	DN	Overlapped	-3.14	0.009995821
<i>ESPN</i>	DN	No overlap	-1.83	0.009995821
<i>KIF20A</i>	DN	Overlapped	-1.40	0.009995821
<i>MEF2B</i>	DN	Overlapped	-1.68	0.009995821
<i>SEZ6L2</i>	DN	No overlap	-1.27	0.009995821
<i>FAM83E</i>	DN	No overlap	-1.65	0.010235587
<i>TMEM184A</i>	DN	No overlap	-1.37	0.010235587
<i>ANLN</i>	DN	No overlap	-1.50	0.0106403
<i>BUB1B</i>	DN	No overlap	-1.62	0.0106403
<i>LYPD6</i>	DN	No overlap	-1.78	0.010912143
<i>OPRPN</i>	DN	No overlap	-3.28	0.010912143
<i>C4B</i>	DN	No overlap	-2.37	0.010972408
<i>INPP5J</i>	DN	No overlap	-1.64	0.011452538
<i>KIFC1</i>	DN	No overlap	-0.94	0.011788214
<i>ALB</i>	DN	No overlap	-1.75	0.011995574
<i>LOC110091777</i>	DN	No overlap	-1.24	0.011995574
<i>PKIB</i>	DN	No overlap	-1.57	0.013312259
<i>TFAP2B</i>	DN	No overlap	-2.08	0.014003154
<i>ANKRD24</i>	DN	Overlapped	-0.76	0.015883115
<i>CELSR1</i>	DN	No overlap	-1.43	0.015883115
<i>RET</i>	DN	No overlap	-1.24	0.015883115
<i>SYT12</i>	DN	No overlap	-1.36	0.015883115
<i>EPPK1</i>	DN	No overlap	-1.82	0.016568581
<i>LMX1B</i>	DN	No overlap	-1.52	0.016592444
<i>CBLC</i>	DN	No overlap	-1.86	0.017619312
<i>ERVMER34-1</i>	DN	No overlap	-1.38	0.017619312
<i>ERBB2</i>	DN	No overlap	-1.16	0.017686376
<i>AGRN</i>	DN	No overlap	-1.21	0.018307441
<i>CLDN7</i>	DN	No overlap	-1.26	0.018517761
<i>RASSF7</i>	DN	No overlap	-1.43	0.018910076
<i>TFAP2A</i>	DN	No overlap	-1.83	0.01900991
<i>CHST8</i>	DN	No overlap	-2.31	0.019179403
<i>LOC285097</i>	DN	No overlap	-1.60	0.019179403
<i>RASEF</i>	DN	No overlap	-1.97	0.019179403
<i>TC2N</i>	DN	No overlap	-1.12	0.019179403
<i>SORD</i>	DN	No overlap	-0.93	0.019429999
<i>LINC01087</i>	DN	No overlap	-2.38	0.020262138
<i>SLC44A4</i>	DN	No overlap	-1.80	0.020300591
<i>ABAT</i>	DN	No overlap	-0.65	0.020598872
<i>TMEM26</i>	DN	No overlap	-1.79	0.020598872
<i>GXYLT1P3</i>	DN	No overlap	-2.00	0.020952196

<i>FOXA1</i>	DN	No overlap	-2.31	0.021135679
<i>NBPF6</i>	DN	No overlap	-1.85	0.021135679
<i>TSPY26P</i>	DN	Overlapped	-0.91	0.021994315
<i>EHD3</i>	DN	No overlap	-0.73	0.022984467
<i>WIPF3</i>	DN	No overlap	-0.69	0.023225823
<i>MAMDC4</i>	DN	Overlapped	-1.39	0.02329485
<i>SBK1</i>	DN	No overlap	-1.33	0.02329485
<i>BIRC5</i>	DN	No overlap	-1.22	0.023494809
<i>SSPOP</i>	DN	Overlapped	-0.92	0.023494809
<i>LYPD3</i>	DN	No overlap	-1.70	0.023771542
<i>MUC5B</i>	DN	Overlapped	-2.02	0.023771542
<i>TROAP</i>	DN	Overlapped	-1.21	0.023771542
<i>CAPN13</i>	DN	No overlap	-1.96	0.023825093
<i>PLA2G4F</i>	DN	No overlap	-1.33	0.024548531
<i>ZNF552</i>	DN	No overlap	-0.93	0.024548531
<i>CDSN</i>	DN	No overlap	-1.39	0.024551553
<i>CELSR2</i>	DN	No overlap	-1.06	0.024620897
<i>TTC36</i>	DN	Overlapped	-1.23	0.024620897
<i>CRACR2B</i>	DN	No overlap	-1.10	0.025187412
<i>CARD14</i>	DN	No overlap	-1.10	0.025361594
<i>SEC14L2</i>	DN	No overlap	-1.48	0.025683373
<i>ALDH3B2</i>	DN	No overlap	-2.54	0.025841092
<i>LOC112268037</i>	DN	No overlap	-1.64	0.025841092
<i>MACC1</i>	DN	No overlap	-1.03	0.026055084
<i>TMEM238</i>	DN	No overlap	-1.57	0.026567758
<i>GCK</i>	DN	Overlapped	-1.20	0.026614808
<i>S100P</i>	DN	No overlap	-1.85	0.027116078
<i>CATSPERB</i>	DN	No overlap	-1.30	0.027173205
<i>OBSCN</i>	DN	Overlapped	-0.88	0.027203402
<i>MAP3K9</i>	DN	No overlap	-1.25	0.027366939
<i>PSD3</i>	DN	No overlap	-0.81	0.027366939
<i>PLEKHS1</i>	DN	Overlapped	-1.89	0.028990673
<i>TGFB2</i>	DN	No overlap	-1.03	0.02907288
<i>INO80B</i>	DN	No overlap	-0.67	0.029993641
<i>CYP4F8</i>	DN	No overlap	-2.15	0.030258612
<i>LINC02076</i>	DN	Overlapped	-0.88	0.030426568
<i>ALCAM</i>	DN	No overlap	-1.32	0.030498995
<i>PPP1R14C</i>	DN	Overlapped	-1.56	0.031539567
<i>ELF3</i>	DN	No overlap	-1.76	0.031830723
<i>LLGL2</i>	DN	No overlap	-0.99	0.031858175
<i>HJURP</i>	DN	No overlap	-0.95	0.03209884
<i>KRT80</i>	DN	Overlapped	-1.87	0.032540003
<i>NECTIN1</i>	DN	No overlap	-0.84	0.032915542
<i>GGT1</i>	DN	No overlap	-1.10	0.033741031
<i>MYB</i>	DN	No overlap	-1.62	0.033849256
<i>IRS1</i>	DN	No overlap	-0.63	0.034299023
<i>AZGP1</i>	DN	No overlap	-0.67	0.03467232

<i>KRT8</i>	DN	No overlap	-1.40	0.03467232
<i>CDT1</i>	DN	Overlapped	-1.23	0.034830469
<i>CASZ1</i>	DN	No overlap	-1.02	0.03520249
<i>MGAM2</i>	DN	Overlapped	-1.93	0.035220428
<i>PI3</i>	DN	Overlapped	-1.94	0.035220428
<i>SPTBN2</i>	DN	No overlap	-1.26	0.035220428
<i>MYBL2</i>	DN	Overlapped	-0.88	0.035429927
<i>PLCH2</i>	DN	No overlap	-1.53	0.036363136
<i>NR6A1</i>	DN	No overlap	-0.80	0.036463022
<i>SLC27A6</i>	DN	No overlap	-1.31	0.036463022
<i>SYT7</i>	DN	No overlap	-0.83	0.036463022
<i>MCM2</i>	DN	No overlap	-0.75	0.036795424
<i>CYP2G1P</i>	DN	No overlap	-1.70	0.037380271
<i>PLS1</i>	DN	No overlap	-1.34	0.037751557
<i>PKP3</i>	DN	No overlap	-1.52	0.038513017
<i>PARD6B</i>	DN	No overlap	-0.76	0.038762459
<i>CHAD</i>	DN	No overlap	-1.49	0.038860598
<i>KCNC3</i>	DN	No overlap	-1.08	0.039003705
<i>EDN1</i>	DN	No overlap	-0.73	0.039520174
<i>IQCH</i>	DN	No overlap	-0.83	0.03964113
<i>EVPL</i>	DN	No overlap	-1.33	0.040279869
<i>IGFBP2</i>	DN	No overlap	-1.00	0.040569439
<i>SMIM22</i>	DN	No overlap	-1.67	0.040569439
<i>DTL</i>	DN	No overlap	-1.14	0.041142481
<i>LMTK3</i>	DN	No overlap	-1.44	0.041142481
<i>LOC105376436</i>	DN	No overlap	-2.69	0.041142481
<i>PTPRT</i>	DN	No overlap	-1.59	0.041142481
<i>SFN</i>	DN	No overlap	-1.29	0.041142481
<i>ST8SIA6</i>	DN	No overlap	-1.21	0.041142481
<i>SYNE4</i>	DN	No overlap	-1.34	0.041142481
<i>ZNF681</i>	DN	No overlap	-0.60	0.041142481
<i>KIF5C</i>	DN	No overlap	-1.13	0.041214607
<i>PNMT</i>	DN	No overlap	-1.32	0.041214607
<i>FAM83H</i>	DN	No overlap	-1.06	0.04198391
<i>RAB27B</i>	DN	No overlap	-1.31	0.042508503
<i>UHRF1</i>	DN	Overlapped	-1.00	0.042508503
<i>HEPACAM2</i>	DN	No overlap	-2.38	0.043185538
<i>TACSTD2</i>	DN	No overlap	-1.43	0.043185538
<i>CLDN3</i>	DN	No overlap	-1.85	0.043359393
<i>VTCN1</i>	DN	No overlap	-2.04	0.044237625
<i>PIANP</i>	DN	No overlap	-0.77	0.044338161
<i>PRR36</i>	DN	No overlap	-1.60	0.044776449
<i>S100A14</i>	DN	No overlap	-1.69	0.044776449
<i>ABCB9</i>	DN	No overlap	-0.62	0.04487779
<i>LRIG1</i>	DN	Overlapped	-0.73	0.04487779
<i>NCCRP1</i>	DN	No overlap	-1.08	0.04489705
<i>GATA3</i>	DN	No overlap	-1.03	0.045439803

<i>MYO5B</i>	DN	No overlap	-1.25	0.045654073
<i>CDC45</i>	DN	No overlap	-1.13	0.046002361
<i>MELTF</i>	DN	No overlap	-0.97	0.046002361
<i>RAD54L</i>	DN	No overlap	-0.95	0.046002361
<i>NEK10</i>	DN	No overlap	-1.48	0.046197395
<i>AZGP1P1</i>	DN	Overlapped	-1.22	0.04652077
<i>KRT6B</i>	DN	No overlap	-1.70	0.046652481
<i>RORC</i>	DN	No overlap	-1.14	0.046951076
<i>LZTS1</i>	DN	No overlap	-0.83	0.046983949
<i>CENPF</i>	DN	No overlap	-0.87	0.047792522
<i>ST14</i>	DN	No overlap	-1.31	0.048017337
<i>CACNG4</i>	DN	No overlap	-1.81	0.048030104
<i>LOC105377211</i>	DN	No overlap	-0.72	0.048242403
<i>USP43</i>	DN	No overlap	-1.69	0.048242403
<i>DNAJC12</i>	DN	No overlap	-1.44	0.048846258
<i>SLC7A3</i>	DN	No overlap	-1.52	0.049494752
<i>MKI67</i>	DN	No overlap	-1.12	0.049937226
