

**Supplemental Table S9**  
**Common Overlapping Adipocyte DMR Associated Genes**

Gene name	Number of phenotypes (DMR sets) associated	Phenotypes (DMR sets) in common
Abat	2	DOM; COM
Abl2	2	ALM; DOM
Acnat2	2	ALM; COM
Adamts9	2	COM; DOM
Agmo	2	ALM; DOM
Ankrd6	2	CLF; COF
Arfp1	2	COM; DOM
Arl10	2	COF; COM
Arsg	2	COM; DOM
Asb2	2	COM; DOM
Asns	2	CLF; COM
Atg2a	2	COM; DOM
Cabcoco1	2	CLF; COM
Carmil1	2	COM; DOM
Ccdc151	2	COM; DOM
Cdk14	2	COM; DOM
Cep131	2	COM; DOM
Chtop	2	COM; DOM
Col16a1	2	COM; DOM
Col9a1	2	COM; DOM
Dlg2	2	COM; DOM
Dmd	2	COM; DOM
Epha5	2	ALM; DOM
Ephb2	2	CLF; DOM
Erc2	2	COM; DOM
Erich6	2	COF; DOM
G3bp2	2	COF; COM
Gpm6a	2	COF; COM
Grem2	2	ALM; DOM
Herc6	2	ALM; DOM
Hspa12b	2	COM; DOM
Il17rc	2	CLF; COF
Il17re	2	CLF; COF
Il6r	2	COM; DOM
Ilf2	2	COM; DOM
Kcnd3	2	COM; DOM
Kcnh8	2	CLF; COF
Kcnk18	2	COM; DOM
Ldb1	2	COM; DOM
Maats1	2	ALM; DOM
Mad11l	2	COM; DOM
Mertk	2	CLF; COM
Mir192	2	COM; DOM
Mir194-2	2	COM; DOM
Mmadhc	2	ALM; DOM
Mrc1	2	ALM; CLF
Ngdn	2	COM; DOM

Nipal1	2	ALM; COM
Nmnat2	2	COM; DOM
Nrxn3	2	ALM; COM
Ntng1	2	COM; DOM
Olr1305	2	COM; DOM
Olr458	2	COM; DOM
Pard3	2	ALM; COM
Poteg	2	COM; DOM
Pprc1	2	COM; DOM
Prkcsh	2	COM; DOM
Prkcz	2	ALM; DOM
Rabgap1l	2	ALM; COM
Rasgef1b	2	CLF; COF
Rbpjl2	2	ALM; COM
Reep1	2	COM; DOM
Rfx4	2	COM; DOM
Rgl3	2	COM; DOM
Rgs1	2	CLF; COF
Sacs	2	COM; DOM
Saxo1	2	ALM; DOM
Sdcbp2	2	COM; DOM
Serpini1	2	COM; DOM
She	2	COM; DOM
Shroom3	2	COF; DOM
Slc25a43	2	CLF; COM
Slc2a3	2	ALM; CLF
Slc5a4	2	COM; DOM
Slc5a4b	2	CLF; COM
Slfn13	2	COM; DOM
Snapi	2	COM; DOM
Snph	2	COM; DOM
Sntg1	2	COM; DOM
Spata31d3	2	COM; DOM
St3gal3	2	COF; DOM
Syn2	2	COF; DOM
Tas2r106	2	ALM; COM
Tbc1d21	2	CLF; COF
Tepsin	2	COM; DOM
Terb2	2	COM; DOM
Thra	2	CLF; COF
Tmem63c	2	COM; DOM
Tmprss11f	2	ALM; DOM
Tnrc6b	2	ALM; COM
Trim69	2	COM; DOM
Tspan5	2	COM; DOM
Txk	2	ALM; COM
Umodl1	2	COM; DOM
Ust	2	COM; DOM
Vom2r77	2	CLF; COM
Zcchc24	2	COF; COM
Zfp652	2	ALM; COM
Zfp84	2	COF; COM