

Supplemental Table 1: Expression profile from the genome-wide Affymetrix array of the candidate genes in WAT of independent F2 congenic line cross.

Gene symbol	probe ID ¹	Expression (Log ₂ intensity)		p-value
		<i>Fob3a</i> ^{VV}	<i>Fob3a</i> ^{Fat/Fat}	
<i>Deptor</i>	10424126	10.34 ± 0.05	10.88 ± 0.03	0.007
<i>Pkhd111</i>	10423971	9.91 ± 0.20	8.21 ± 0.24	0.04
<i>Colec10</i>	10424105	6.09 ± 0.03	5.85 ± 0.02	0.052
<i>Nudcd1</i>	10428412	8.02 ± 0.05	8.35 ± 0.06	0.081
<i>Eif3e</i>	10428398	10.53 ± 0.09	10.17 ± 0.08	0.163
<i>Trps1</i>	10428536	9.78 ± 0.06	9.57 ± 0.06	0.236
<i>Angpt1</i>	10428376	6.79 ± 0.11	7.14 ± 0.11	0.259
<i>Tnfrsf11b</i>	10428604	8.43 ± 0.12	8.01 ± 0.21	0.369
<i>Taf2</i>	10428648	9.55 ± 0.03	9.67 ± 0.05	0.396
<i>Eny2</i>	10423963	9.89 ± 0.02	9.82 ± 0.02	0.421
<i>Ebag9</i>	10424050	7.96 ± 0.07	8.08 ± 0.03	0.496
<i>Ttc35</i>	10423941	12.69 ± 0.04	12.77 ± 0.03	0.535
<i>Dscc1</i>	10428672	5.00 ± 0.01	5.07 ± 0.08	0.713
<i>Mal2</i>	10424113	8.92 ± 0.09	9.03 ± 0.09	0.722
<i>Rspo2</i>	10428388	5.52 ± 0.03	5.57 ± 0.06	0.737
<i>Trhr</i>	10423953	4.63 ± 0.03	4.67 ± 0.04	0.78
<i>Nov</i>	10424119	9.10 ± 0.13	8.99 ± 0.17	0.82
<i>Tmem74</i>	10428407	4.61 ± 0.05	4.65 ± 0.05	0.829
<i>Kcnv1</i>	10428443	5.74 ± 0.04	5.77 ± 0.05	0.834
<i>Sybu</i>	10428426	7.70 ± 0.03	7.68 ± 0.04	0.872
<i>Enpp2</i>	10428619	10.85 ± 0.04	10.82 ± 0.04	0.872
<i>Csmd3</i>	10428513	5.37 ± 0.04	5.36 ± 0.04	0.954

¹Probe ID from the Affymetrix whole genome mouse ST 1.0 gene array