

**Supplementary Table 4.** Fold changes in inflammatory gene expression following insulin stimulation in myotubes and adipocytes derived from FDRT and non-FDRT subjects

			$\Delta$ 1	$\Delta$ 2	$\Delta$ 3	$\Delta$ 4	Group	Time	Group $\times$ Time
Myotube	IL-1 $\beta$	FDRT	1.04 $\pm$ 0.11	1.30 $\pm$ 0.15	1.16 $\pm$ 0.13	1.36 $\pm$ 0.29	0.316	0.109	0.313
		non-FDRT	1.52 $\pm$ 0.18	1.66 $\pm$ 0.40	1.48 $\pm$ 0.20	1.20 $\pm$ 0.19			
	IL-6	FDRT	1.08 $\pm$ 0.04	1.28 $\pm$ 0.07	1.22 $\pm$ 0.10	1.40 $\pm$ 0.09	0.622	0.070	0.945
		non-FDRT	1.34 $\pm$ 0.40	1.52 $\pm$ 0.50	1.46 $\pm$ 0.34	1.64 $\pm$ 0.67			
	TGF $\beta$	FDRT	1.12 $\pm$ 0.08	1.08 $\pm$ 0.05	1.04 $\pm$ 0.09	1.16 $\pm$ 0.08	0.918	0.253	0.155
		non-FDRT	1.00 $\pm$ 0.08	1.12 $\pm$ 0.07	1.18 $\pm$ 0.11	1.06 $\pm$ 0.07			
	IL-10	FDRT	1.72 $\pm$ 0.21	1.54 $\pm$ 0.09	1.72 $\pm$ 0.18	2.02 $\pm$ 0.29	0.348	<b>0.015</b>	0.668
		non-FDRT	1.20 $\pm$ 0.09	1.54 $\pm$ 0.32	1.42 $\pm$ 0.21	1.60 $\pm$ 0.61			
	MCP-1	FDRT	1.16 $\pm$ 0.09	1.08 $\pm$ 0.16	1.20 $\pm$ 0.13	1.04 $\pm$ 0.10	0.220	0.356	0.736
		non-FDRT	0.90 $\pm$ 0.16	0.94 $\pm$ 0.13	1.08 $\pm$ 0.16	0.82 $\pm$ 0.11			
	TNF $\alpha$	FDRT	2.02 $\pm$ 0.34	1.62 $\pm$ 0.10	1.86 $\pm$ 0.17	2.06 $\pm$ 0.40	0.718	<b>0.008</b>	0.714
		non-FDRT	1.48 $\pm$ 0.24	1.78 $\pm$ 0.49	1.56 $\pm$ 0.20	2.04 $\pm$ 0.79			
	TLR4	FDRT	1.20 $\pm$ 0.11	1.14 $\pm$ 0.10	1.24 $\pm$ 0.09	1.24 $\pm$ 0.09	0.348	0.195	0.589
		non-FDRT	1.06 $\pm$ 0.06	1.16 $\pm$ 0.05	1.10 $\pm$ 0.18	1.06 $\pm$ 0.10			
Adipocyte	IL-1 $\beta$	FDRT	0.76 $\pm$ 0.09	0.78 $\pm$ 0.08	1.02 $\pm$ 0.18	1.06 $\pm$ 0.20	0.411	<b>0.029</b>	0.297
		non-FDRT	1.12 $\pm$ 0.22	0.84 $\pm$ 0.07	1.30 $\pm$ 0.24	1.06 $\pm$ 0.13			
	IL-6	FDRT	0.98 $\pm$ 0.24	1.04 $\pm$ 0.17	1.24 $\pm$ 0.34	1.40 $\pm$ 0.34	0.471	<b>0.010</b>	0.805
		non-FDRT	1.32 $\pm$ 0.12	1.20 $\pm$ 0.17	1.38 $\pm$ 0.10	1.58 $\pm$ 0.10			
	TGF $\beta$	FDRT	0.84 $\pm$ 0.07	0.94 $\pm$ 0.09	0.88 $\pm$ 0.09	1.06 $\pm$ 0.13	0.398	0.214	0.471
		non-FDRT	0.88 $\pm$ 0.10	1.12 $\pm$ 0.17	1.06 $\pm$ 0.04	1.00 $\pm$ 0.03			
	IL-10	FDRT	2.08 $\pm$ 0.57	2.14 $\pm$ 0.46	2.52 $\pm$ 0.65	3.84 $\pm$ 0.98	0.891	<b>0.001</b>	0.985
		non-FDRT	2.40 $\pm$ 0.61	2.44 $\pm$ 0.80	2.32 $\pm$ 0.64	4.04 $\pm$ 1.63			
	MCP-1	FDRT	0.62 $\pm$ 0.20	0.60 $\pm$ 0.20	0.96 $\pm$ 0.38	1.14 $\pm$ 0.35	0.271	0.055	0.424
		non-FDRT	1.12 $\pm$ 0.15	0.94 $\pm$ 0.05	1.34 $\pm$ 0.17	1.20 $\pm$ 0.14			
	TNF $\alpha$	FDRT	1.82 $\pm$ 0.37	2.02 $\pm$ 0.33	2.24 $\pm$ 0.29	2.98 $\pm$ 0.67	0.178	<b>0.001</b>	0.081
		non-FDRT	1.58 $\pm$ 0.28	1.14 $\pm$ 0.18	1.88 $\pm$ 0.38	1.70 $\pm$ 0.36			
	TLR4	FDRT	0.86 $\pm$ 0.11	1.00 $\pm$ 0.11	1.02 $\pm$ 0.12	1.14 $\pm$ 0.12	0.768	0.546	0.143
		non-FDRT	1.00 $\pm$ 0.12	0.96 $\pm$ 0.09	0.96 $\pm$ 0.09	0.94 $\pm$ 0.07			

Values are mean $\pm$ SEM.  $P < 0.05$  using repeated measures ANOVA.  $\Delta$ 1, fold changes in gene expression after 10 min insulin (100nm) stimulation;  $\Delta$ 2, fold changes in gene expression after 30 min insulin (100nm) stimulation;  $\Delta$ 3, fold changes in gene expression after 10 min insulin (1000nm) stimulation;  $\Delta$ 4, fold changes in gene expression after 30 min insulin (1000nm) stimulation.