

Supplementary Files

Communication

Genetic variants associated with elevated plasma ceramides in individuals with metabolic syndrome

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Supplementary Table S1. LD analysis of the SNPs located within *CERS3*, *CERS6*, *SGMS1*, and *SPTLC3* genes involved in sphingolipid biosynthesis in the HapMap CEU data. LD was represented by correlation coefficient (R^2).

	<i>SGMS1</i>			<i>CERS6</i>		<i>CERS3</i>		<i>SPTLC3</i>	
	rs10826014	rs11006229	rs12358192	rs80165332	rs75397325	rs72759132	rs4246316	rs6109681	rs3906631
<i>SGMS1</i>									
rs10826014	-	0.004	0.009						
rs11006229	0.004	-	0.292						
rs12358192	0.009	0.292	-						
<i>CERS6</i>		-							
rs80165332				-	NA				
rs75397325				NA	-				
<i>CERS3</i>			-						
rs72759132						-	0.137		
rs4246316						0.137	-		
<i>SPTLC3</i>									
rs6109681								-	0.191
rs3906631								0.191	-

NA: not calculated.

Supplementary Table S2. LD analysis of the SNPs located within *CERS3*, *CERS6*, *SGMS1*, and *SPTLC3* genes involved in sphingolipid biosynthesis in the HapMap CHB and JPT data. LD was represented by R^2 .

	<i>SGMS1</i>			<i>CERS6</i>		<i>CERS3</i>		<i>SPTLC3</i>	
	rs10826014	rs11006229	rs12358192	rs80165332	rs75397325	rs72759132	rs4246316	rs6109681	rs3906631
<i>SGMS1</i>									
rs10826014	-	0.036	0.008						
rs11006229	0.036	-	0.685						
rs12358192	0.008	0.685	-						
<i>CERS6</i>									
rs80165332				-	0.001				
rs75397325				0.001	-				
<i>CERS3</i>									
rs72759132			-			-	0.264		
rs4246316						0.264	-		
<i>SPTLC3</i>									
rs6109681								-	0.490
rs3906631								0.490	-

NA: not calculated.