

**Additional file 2.** The seven transcript SNPs and their pair-wise  $D'$  and  $r^2$  values relative to the associated SNP rs6976.

Gene	Transcript SNP	Alleles (major/minor)	MAF	Pairwise linkage disequilibrium relative to rs6976	
				$r^2$	$D'$
<i>GNL3</i>	rs11177	C/T	0.336	1.000	1.000
<i>SPCS1</i>	rs6617	C/G	0.342	0.932	1.000
<i>PBRM1</i>	rs17264436	T/A	0.317	0.965	1.000
<i>NT5DC2</i>	rs7639267	T/G	0.492	0.521	0.948
<i>TMEM110</i>	rs6769789	T/C	0.336	0.224	0.509
<i>POC1A</i>	rs747343	T/C	0.150	0.038	0.612
<i>GLT8D1</i>	rs6976	C/T	0.336	-	-

MAF, minor allele frequency in Europeans (HapMap CEU)