



S1 Fig. Linkage disequilibrium (LD) between chromosome 2q24.3 variants

The left panel (A) shows the D' values and the right panel the r^2 values. The LD was calculated in the US control samples and the figure was created using Haploview (Barrett JC, Fry B, Maller J, Daly MJ. Haploview: analysis and visualization of LD and haplotype maps. *Bioinformatics*. 2005 Jan 15). A. Numbers on the squares represent D' (x100) between two variants, no number mean $D'=1$. A white square represents LOD scores less than 2 and D' less than 1 (low LD), a light blue square represents $D'=1$ but LOD score less than 2. Shades of pink squares represent D' less than 1 and LOD score more than 2 and bright red squares show variant in LD, $D'=1$ and LOD score more than 2. B. Shades of grey squares represent the correlation between variants expressed as r^2 (x100). Del6, del 21 and rs2102808 are in high LD but have very different minor allele frequencies, hence the high D' and low r^2 .