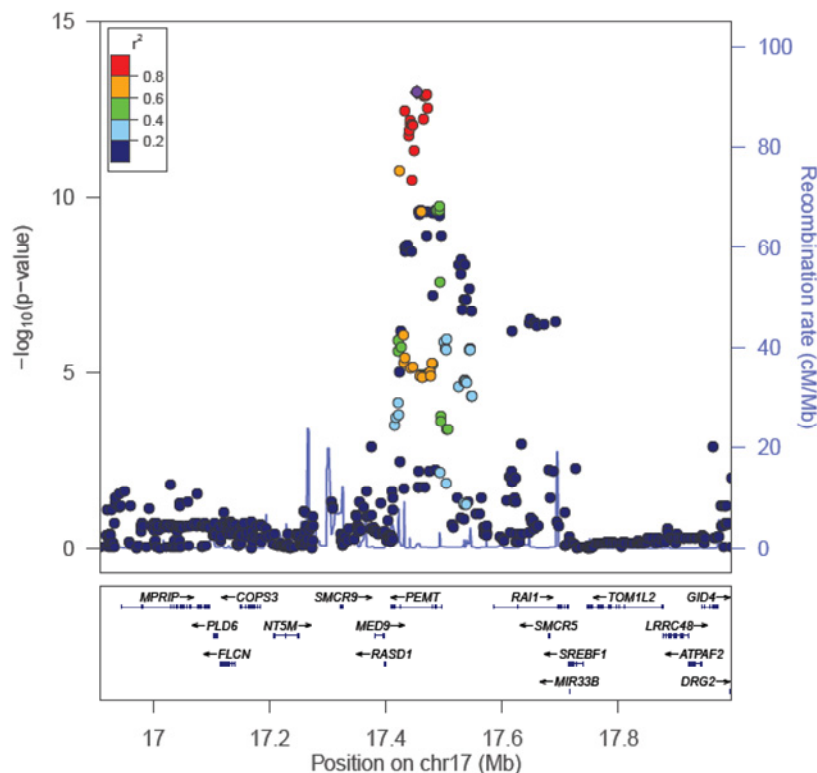


Figure S4: Association of *PEMT* expression with local SNP genotype in MuTHER

consortium-TwinUK data set. A) Expression of *PEMT* (Illumina expression probe ILMN_1745806) in adipose is associated with local regulatory SNPs and association peaks within the intron of *PEMT*. Association of 540 SNPs within ± 500 Kb of *PEMT* gene is shown (Data downloaded from Genevar database; Grundberg E et al, Nature genetics 2012; 44:1084-9). B) WHR associated intronic SNP rs4646343 is an adipose tissue specific *cis*-regulator for *PEMT* and not for any other gene within ± 500 Kb. A, adipose; L, transformed lymphocyte; S, skin fibroblast.

A:



B:

