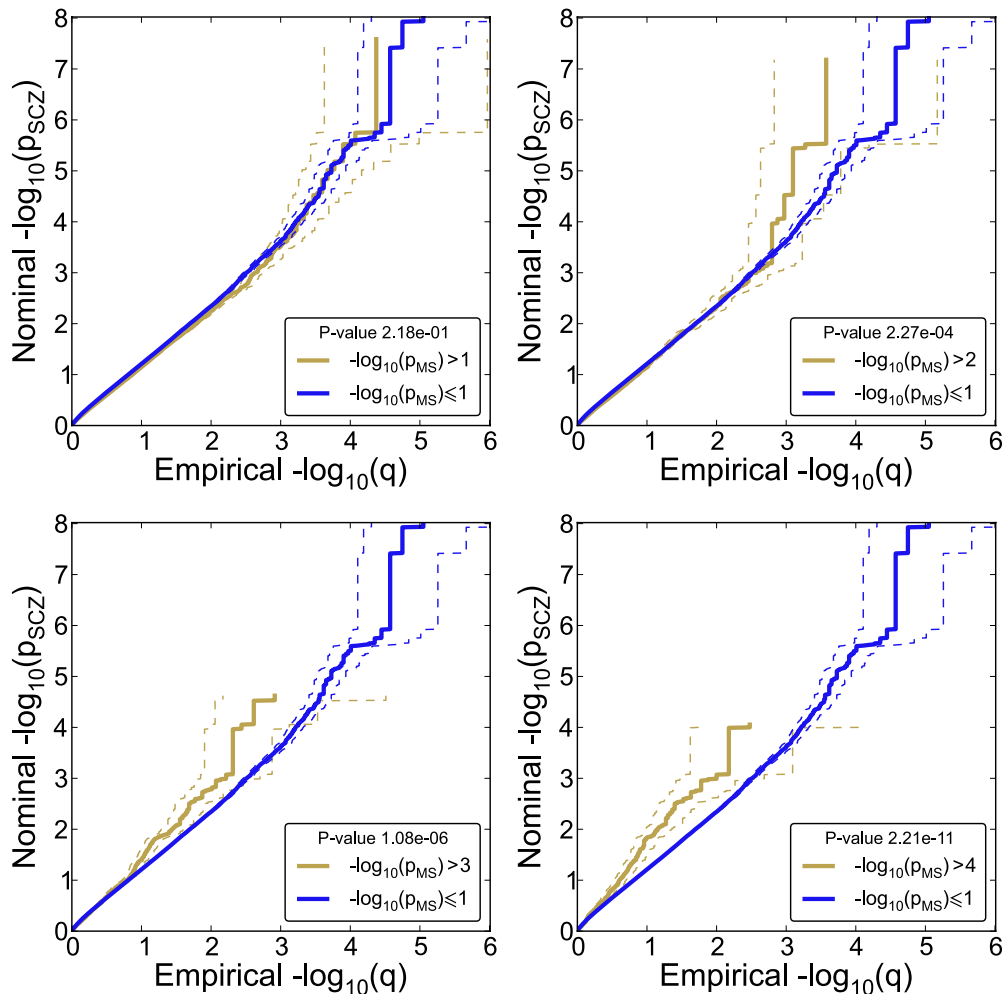


Supplementary Figure 2



Censored conditional Q-Q plot with 95% confidence interval of expected versus observed $-\log_{10}(p)$ -values in schizophrenia (SCZ) as a function of significance of association with multiple sclerosis (MS) at the level of: $-\log_{10}(p) > 1$, $-\log_{10}(p) > 2$, $-\log_{10}(p) > 3$, and $-\log_{10}(p) > 4$ (red lines) compared with $-\log_{10}(p) > 0$ (blue line). Before analysis, SNPs with Fisher combined p value below GWAS threshold of $p < 5 \times 10^{-8}$ were removed (censored). All results were corrected for genomic inflation and linkage disequilibrium (SNPs with $r^2 > 0.2$ were removed). As illustrated by the non-overlapping confidence interval regions, even after limiting to SNPs below the genome-wide significance level of 5×10^{-8} , there was significant enrichment in SCZ given MS association. Two sample Student's t-test p-value between each stratum and $-\log_{10}(p) \leq 1$ are shown in the legends.