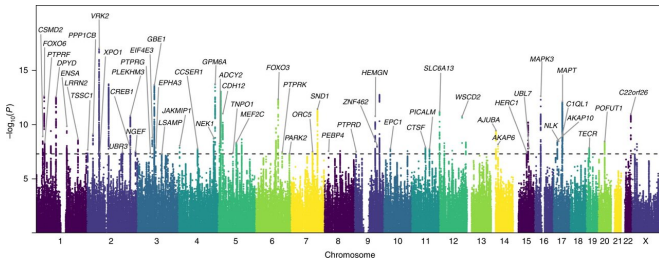


# 69 unique genetic variants linked to the ability to keep time to a beat

17 June 2022, by Bob Yirka



Manhattan plot of GWAS results of beat synchronization. Results of GWAS in N = 606,825 participants with 23andMe. The GWAS phenotype is the participants' responses of Yes (N = 555,660) versus No (N = 51,165) to the question 'Can you clap in time with a musical beat?'. The GWAS was performed with logistic regression, controlling for age, sex, the top five principal components for ancestry and genotype platform. The x axis shows chromosomal positions, and the y axis shows  $-\log_{10} P$  values of the association between the alleles and the phenotype. Sixty-nine loci (70 sentinel SNPs, with one locus containing two independent sentinel SNPs) surpassed the threshold for genome-wide significance of P

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