

eQTL Browser and dbSNP

- 1) rs1051730 and rs1451240 were the two SNPs. **Neither is associated with expression of those four nicotinic receptor genes.**
- 2) rs1111722 is associated with **CHRNA3** expression.
- 3) In the table, the A column has analysis data. Click on the “2” underneath it. **This association was found in liver tissue.**

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- 4) Under the heading “GeneView”, you’ll see that the SNP is in the gene *CDH3*.
- 5) The minor allele frequency is 17.3% in the YRI population and 31.4% in the JPT population.
- Bonus question: The term “minor allele” is problematic here because the minor allele in the YRI population is the major allele in the JPT population and vice versa. Be careful with your wording!