

Tables and Figures

Table 1. Additive main effects of childhood adversity and *ADH1B* on alcohol-related phenotypes in 1,143 ever-drinkers

Table 2. Additive interaction effects of childhood adversity and *ADH1B* on Maxdrinks and AUD severity in 1,143 ever-drinkers

Figure 1. Additive interaction between childhood adversity and *ADH1B-rs1229984* on (a) Maxdrinks and (b) AUD severity in 1,143 ever-drinkers

Supplementary Figure 1. Distribution of Maxdrinks and AUD severity in 1,143 ever drinkers

Supplemental Table 1. *ADH1B-rs1229984*

Supplemental Table 1. *ADH1B*-rs1229984

| Chromosomal Location ^a | N ^b | HWE | | Allele | Prevalence (%) | | Genotype | Prevalence (%) | | Risk status (prevalence [%] in drinkers) |
|--------------------------------------|----------------|----------|-------------|--------|----------------|-----------------------|----------|----------------|-----------------------|--|
| | | χ^2 | p- value | | Whole set | Drinkers (N=1,143) | | Whole set | Drinkers (N=1,143) | |
| 100239319 | 1,201 | 2.04 | 0.141 | A | 28.3 | 28.2 | AA | 8.8 | 9.0 | Low risk [47.5%] High risk [52.5%] |
| | | | | G | 71.7 | 71.8 | AG | 38.9 | 38.5 | |
| | | | | | | | GG | 52.3 | 52.5 | |

HWE = Hardy-Weinberg Equilibrium

^achromosome 4, based upon GRCh37.p5.

^b N = number successfully genotyped.

Supplementary Figure 1. Distribution of Maxdrinks (a) and AUD severity (b) in 1,143 ever drinkers

