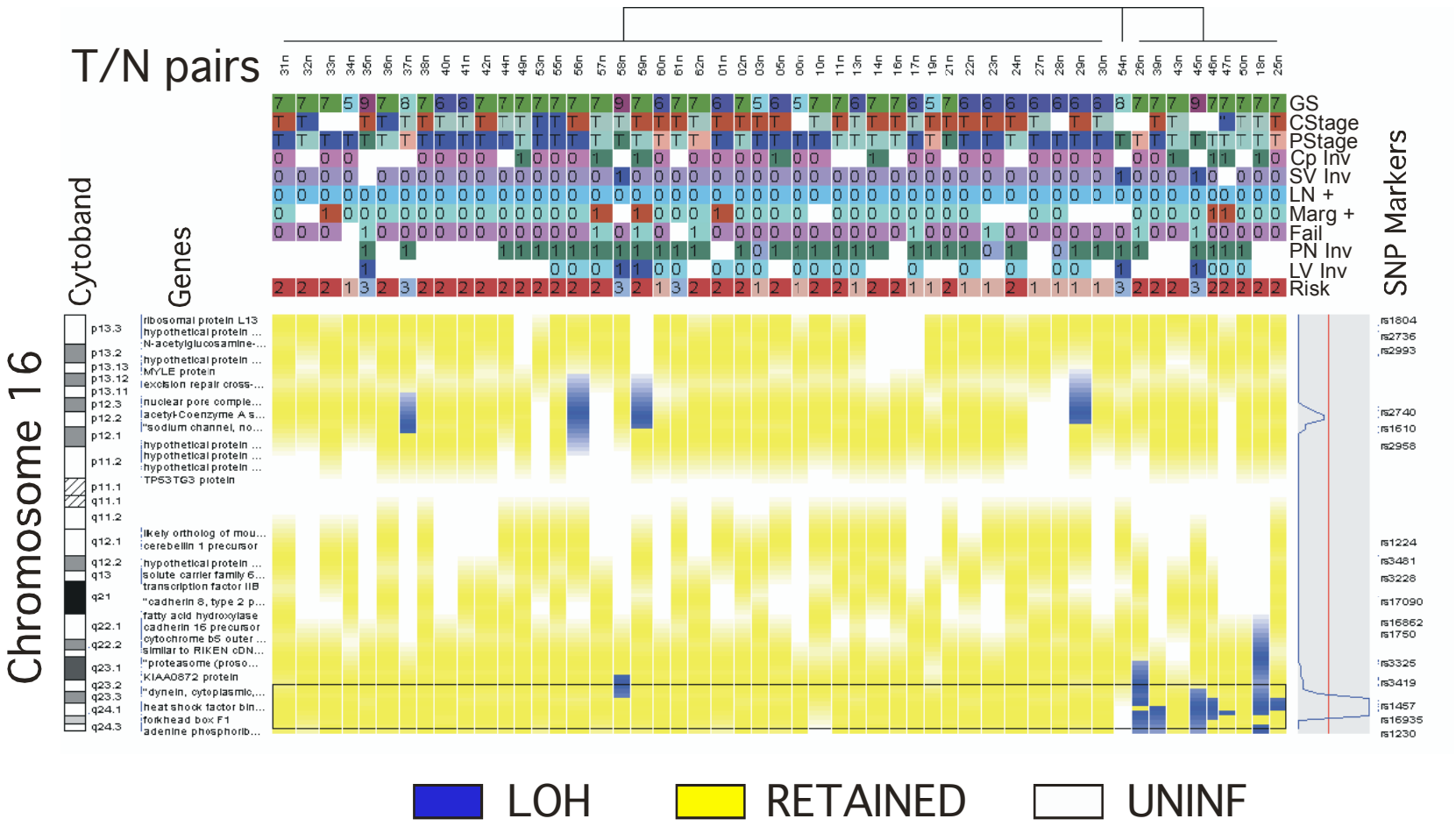Supplemental Figure 1E