patho_grade: 2 vs. 4
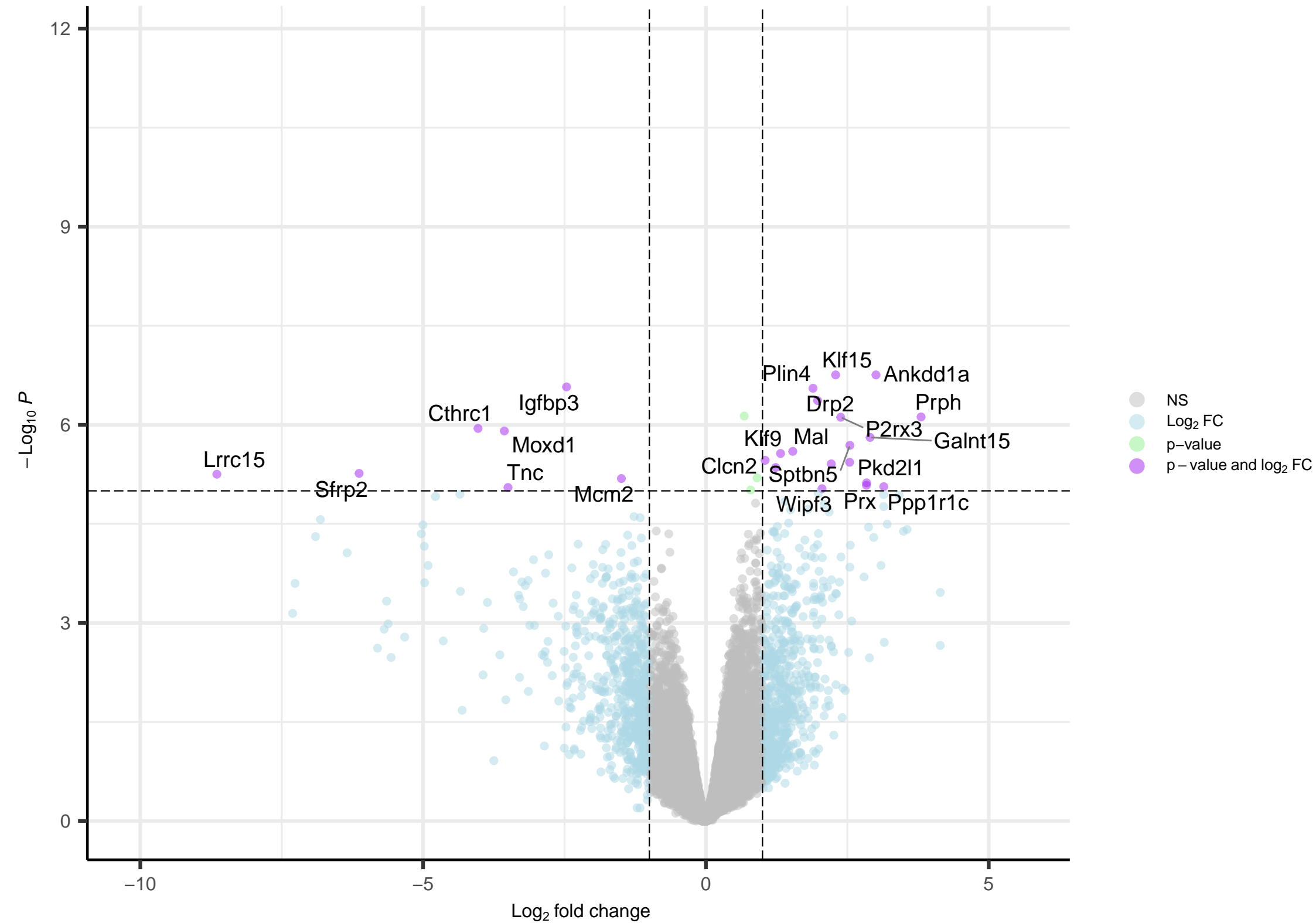
total = 14787 variables