patho_cat: 2 vs. 4
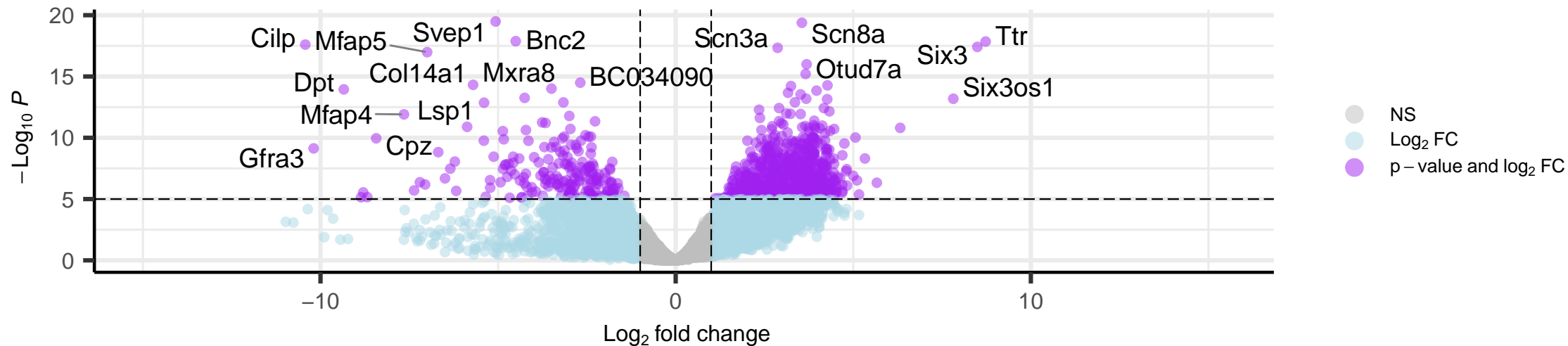
total = 15482 variables