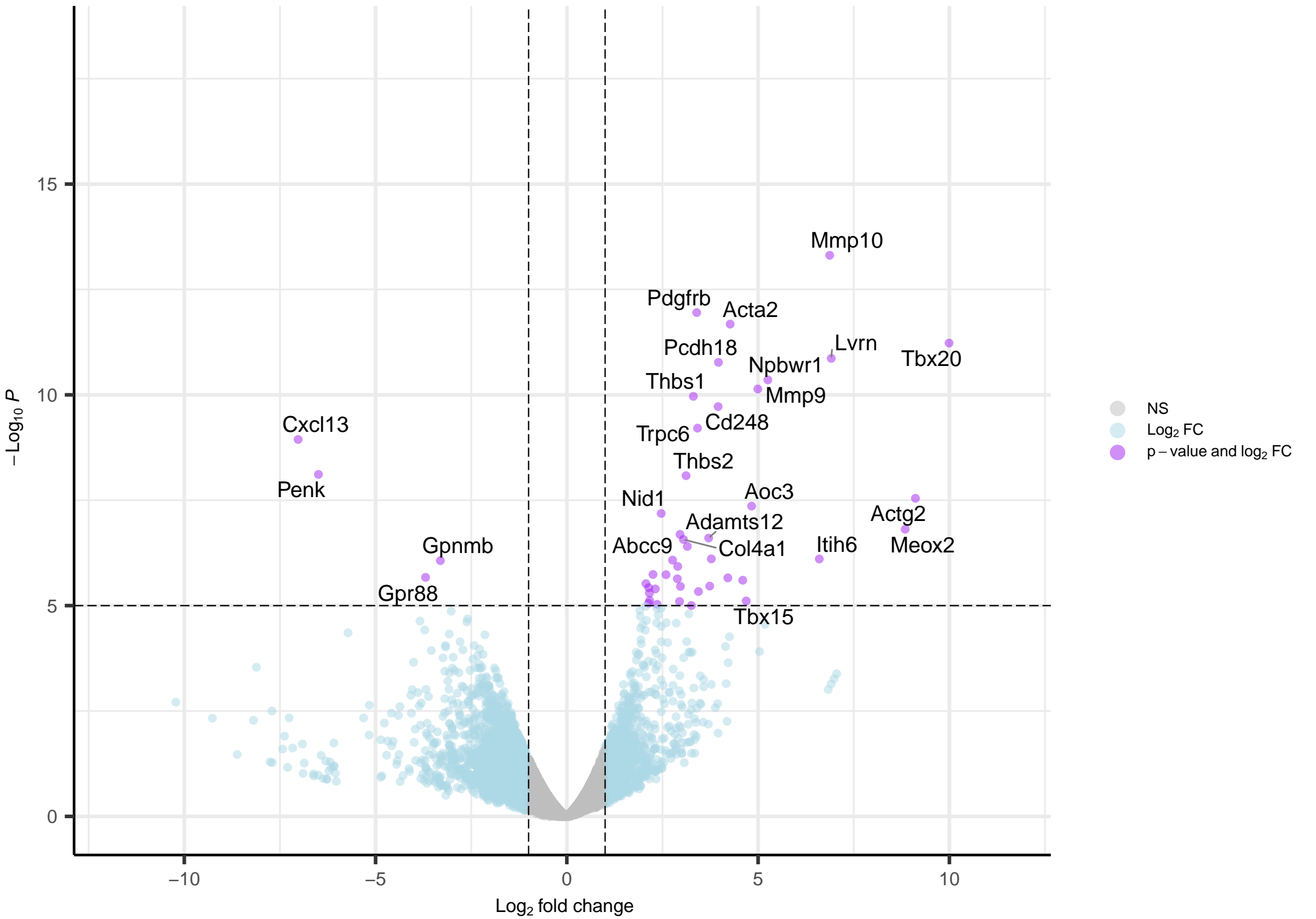patho_cat2: 3.3 vs. 4.N