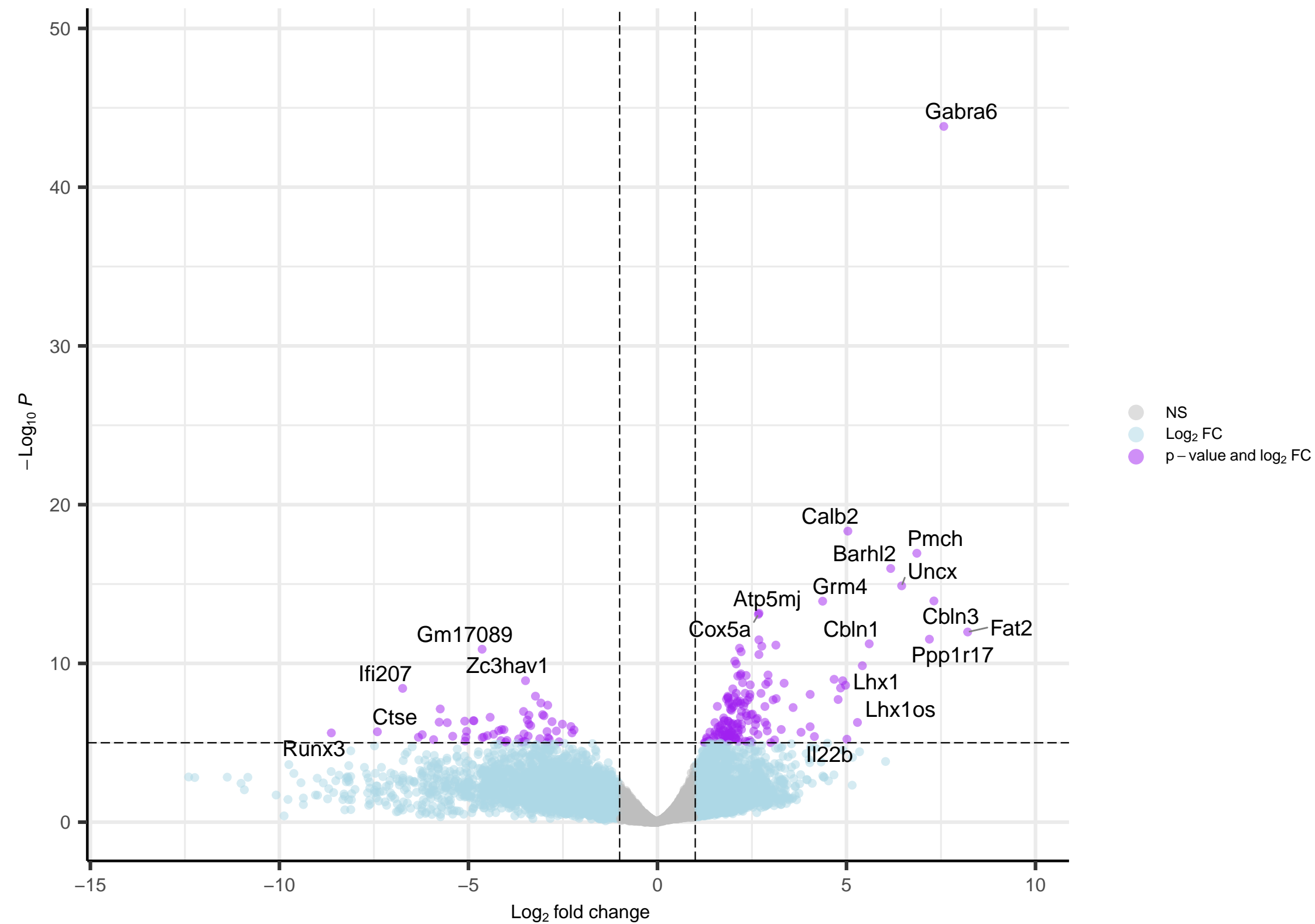patho_grade: NED vs. 2