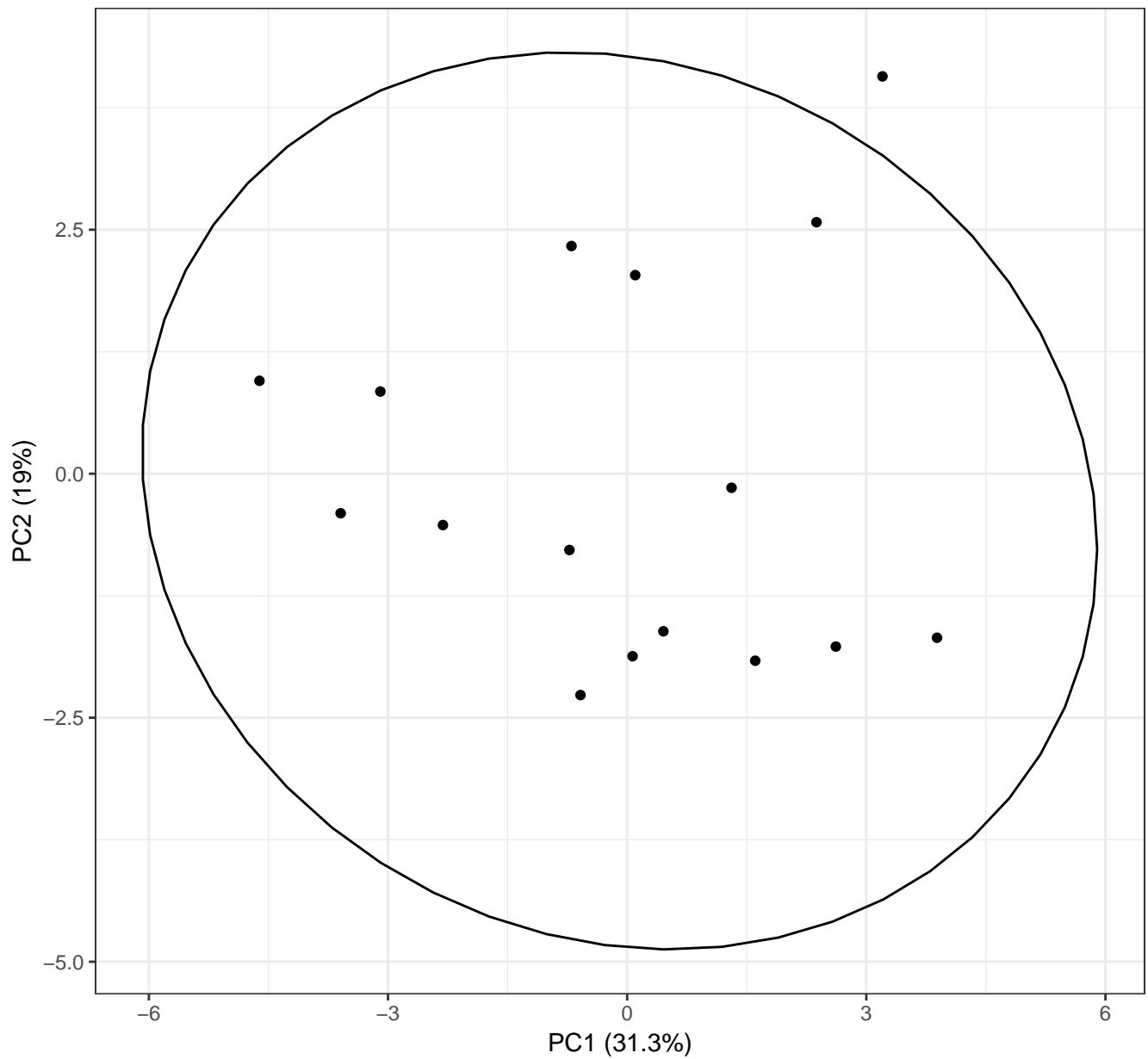
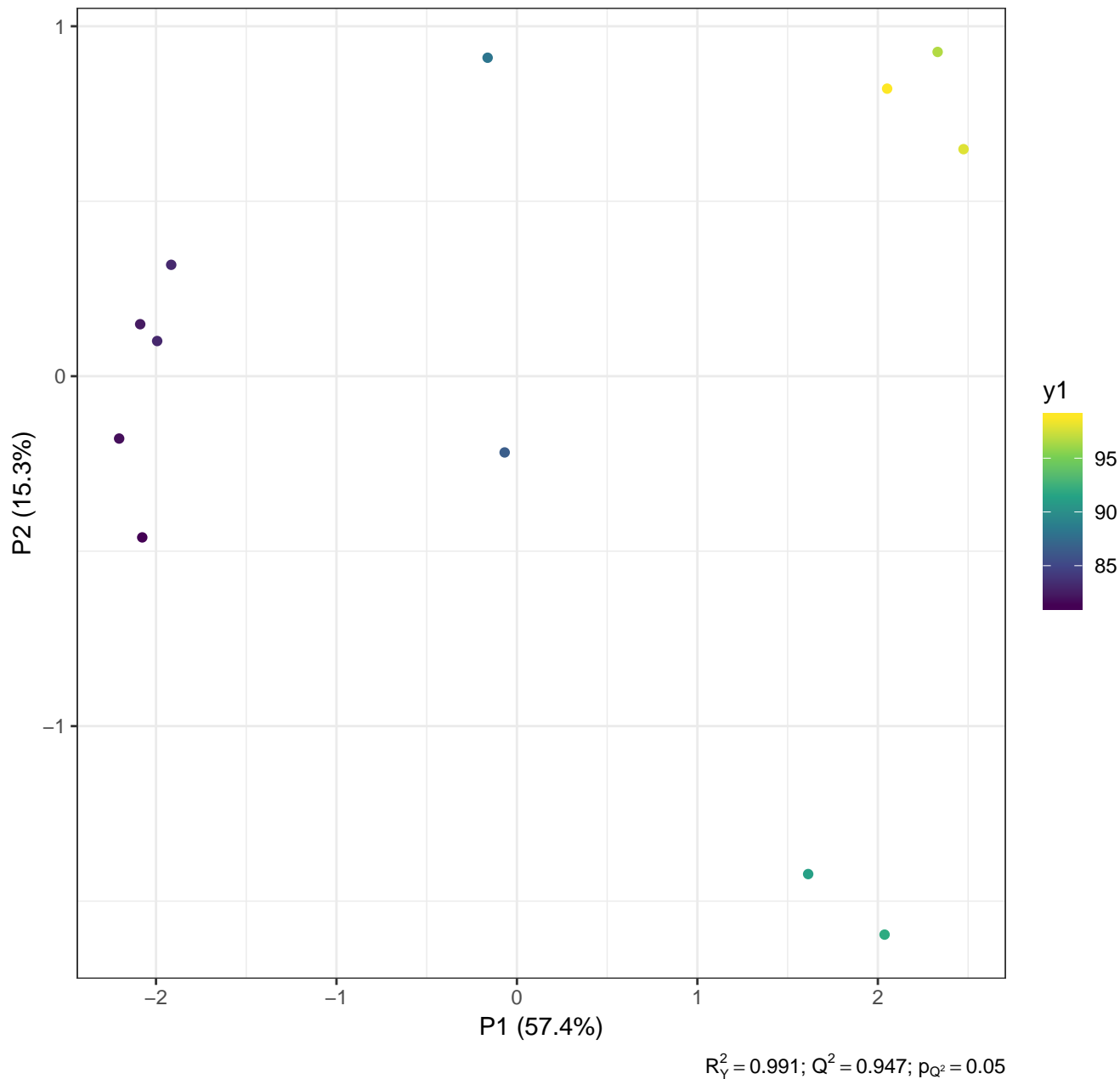


PCA

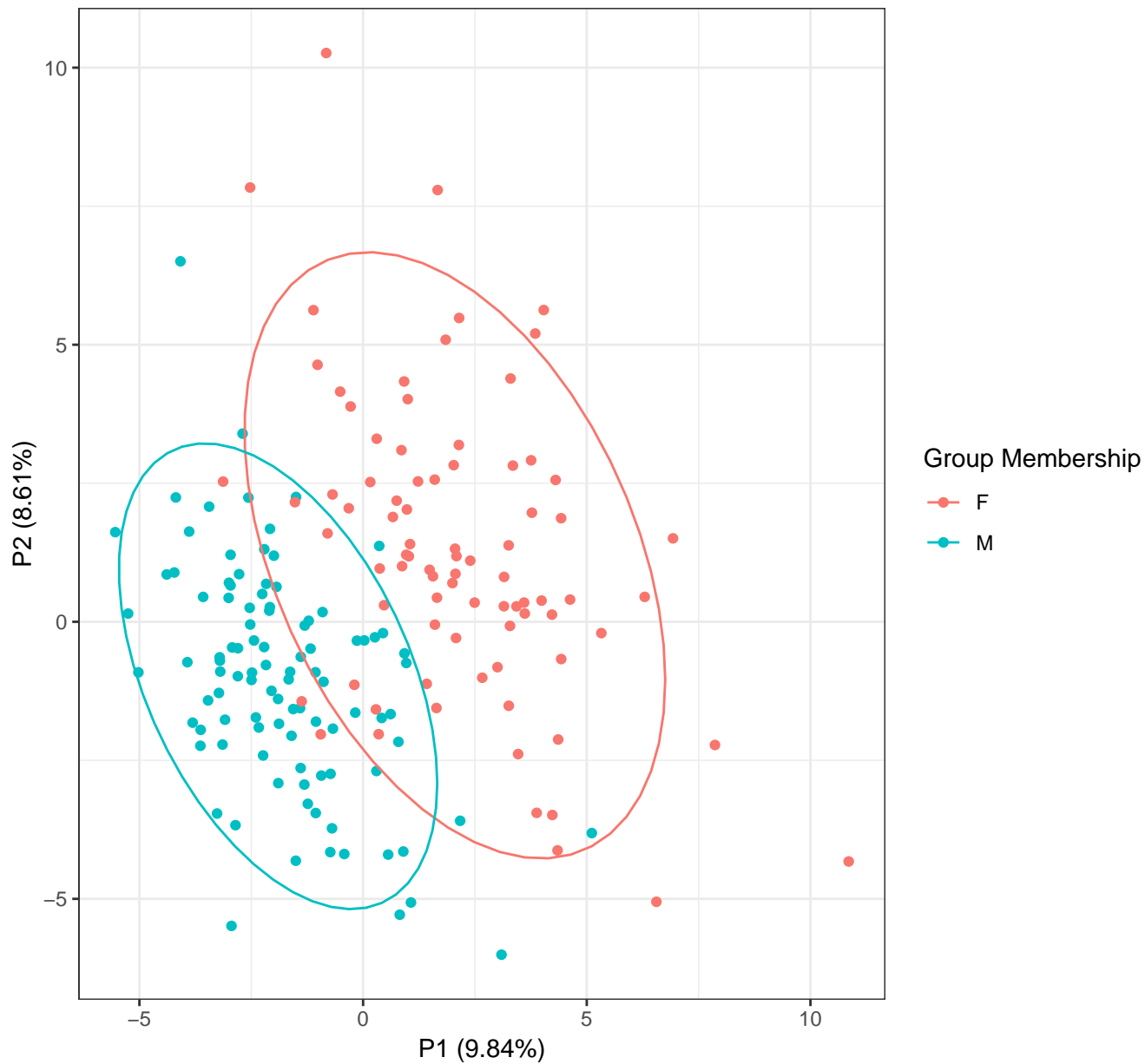


$R^2(\text{cumulative}) = 0.502$ with 2 PCs

PLSR

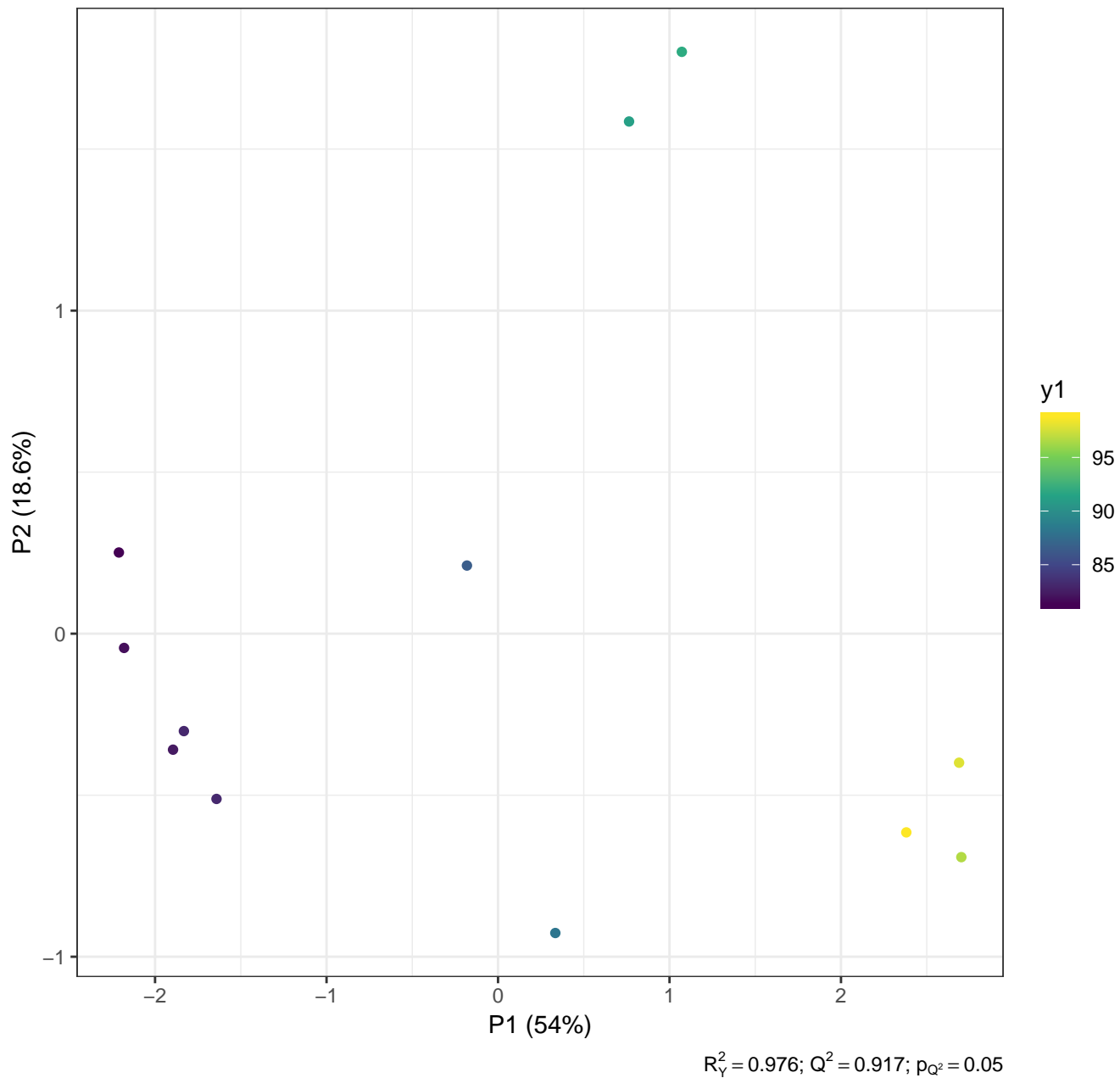


PLS-DA

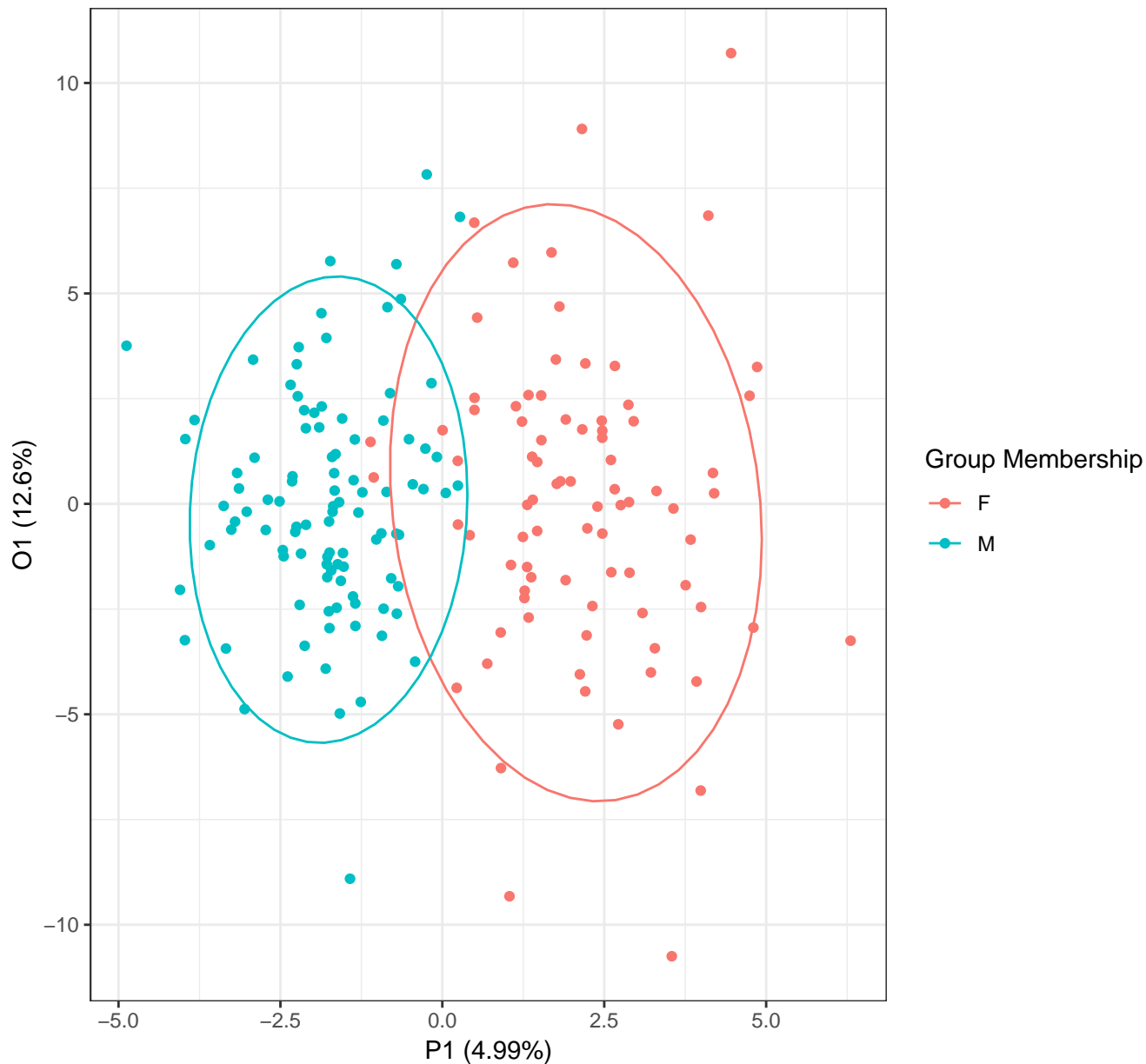


$R^2_Y = 0.73$; $Q^2 = 0.584$; $p_{Q^2} = 0.05$

OPLSR

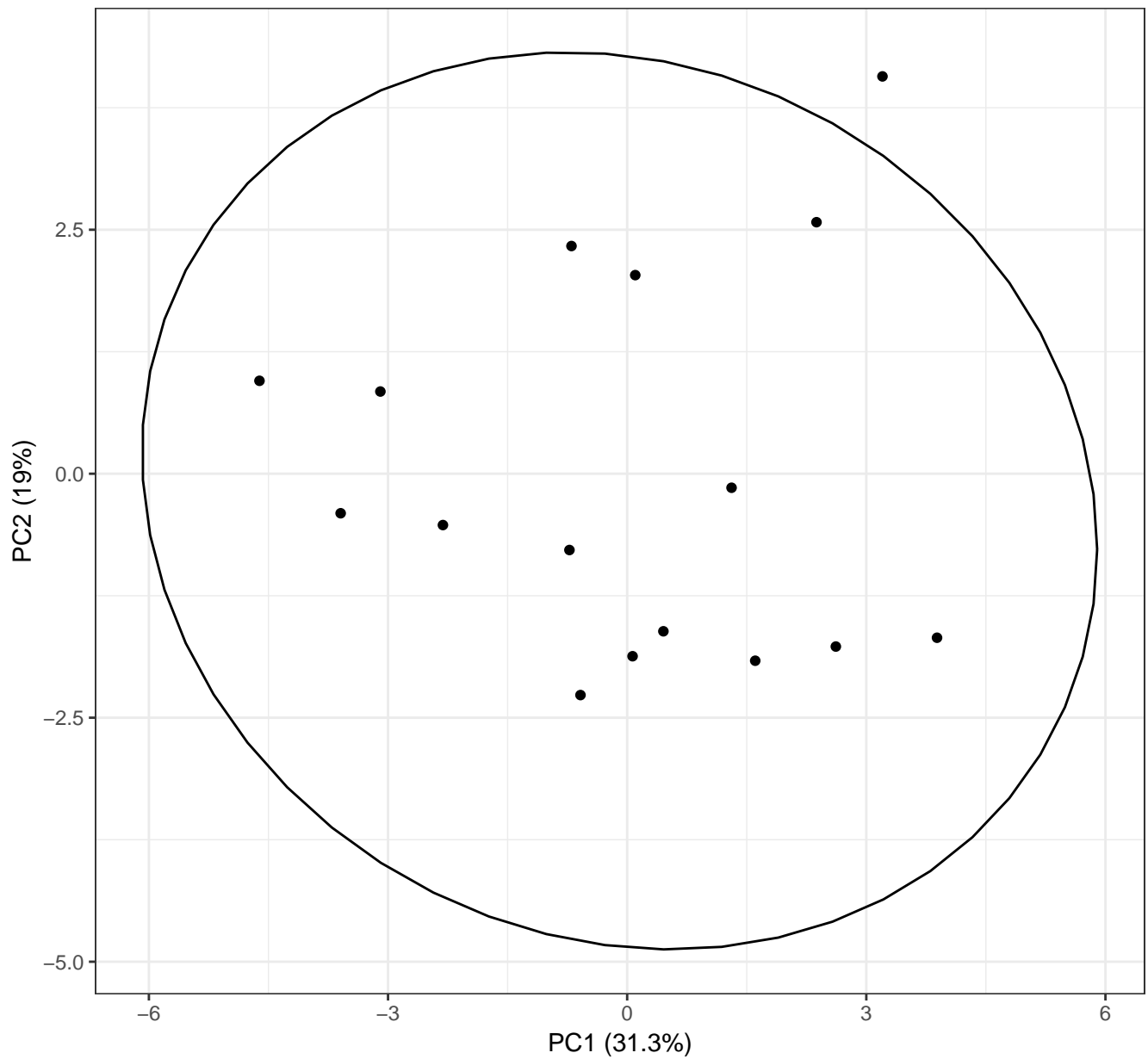


OPLS-DA



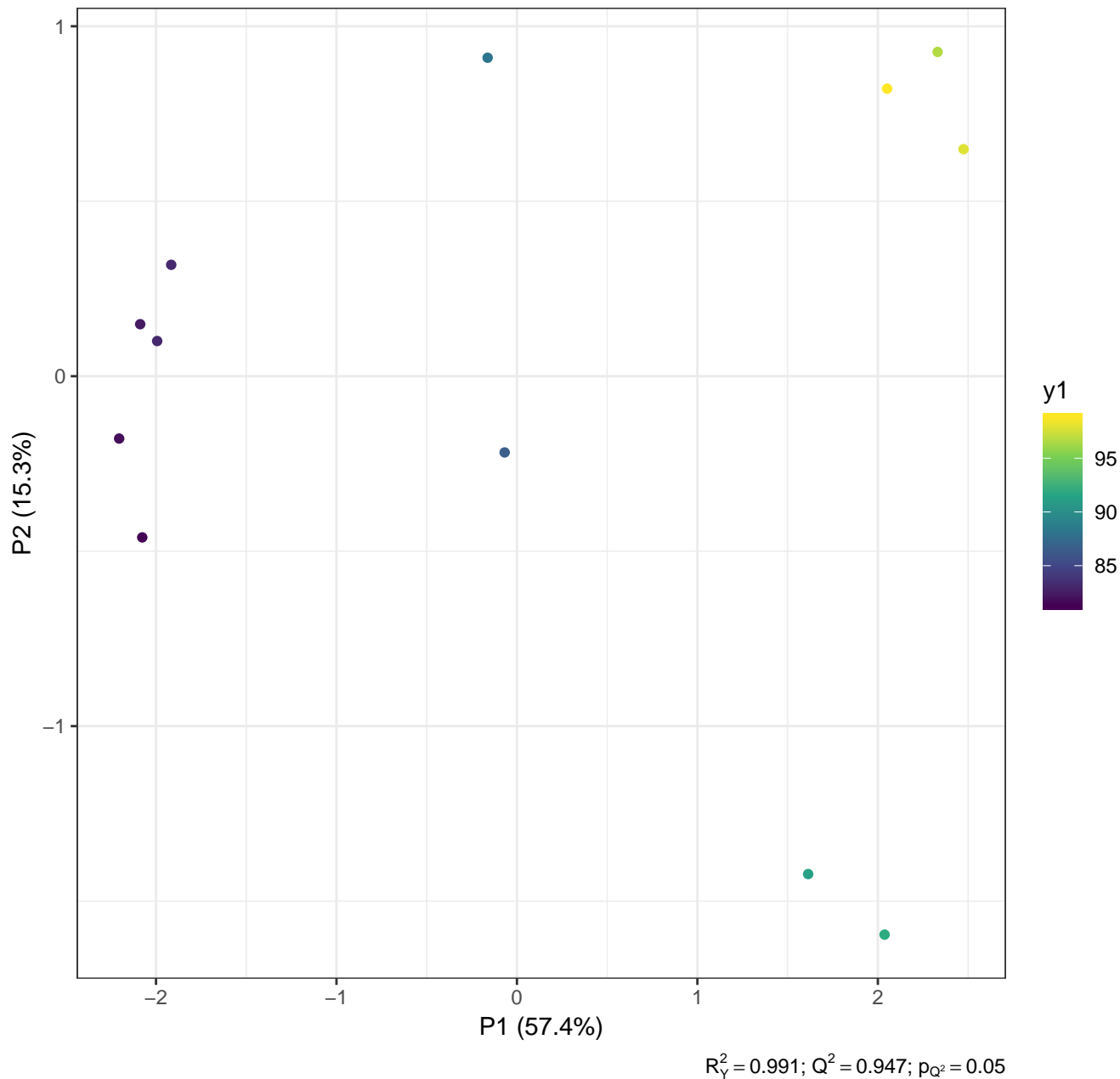
$R^2_Y = 0.73$; $Q^2 = 0.602$; $p_{Q^2} = 0.05$

PCA

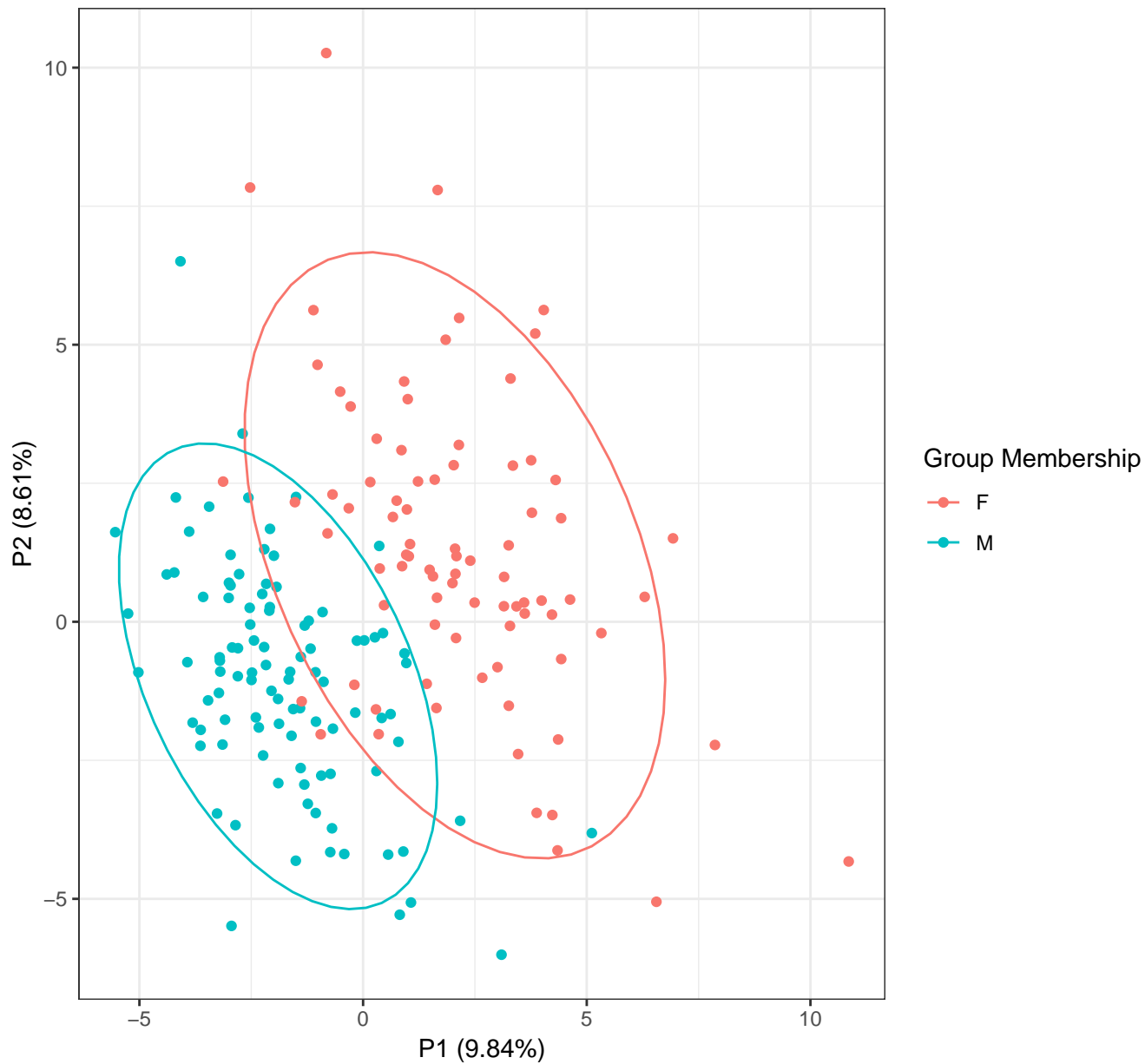


$R^2(\text{cumulative}) = 0.502$ with 2 PCs

PLSR

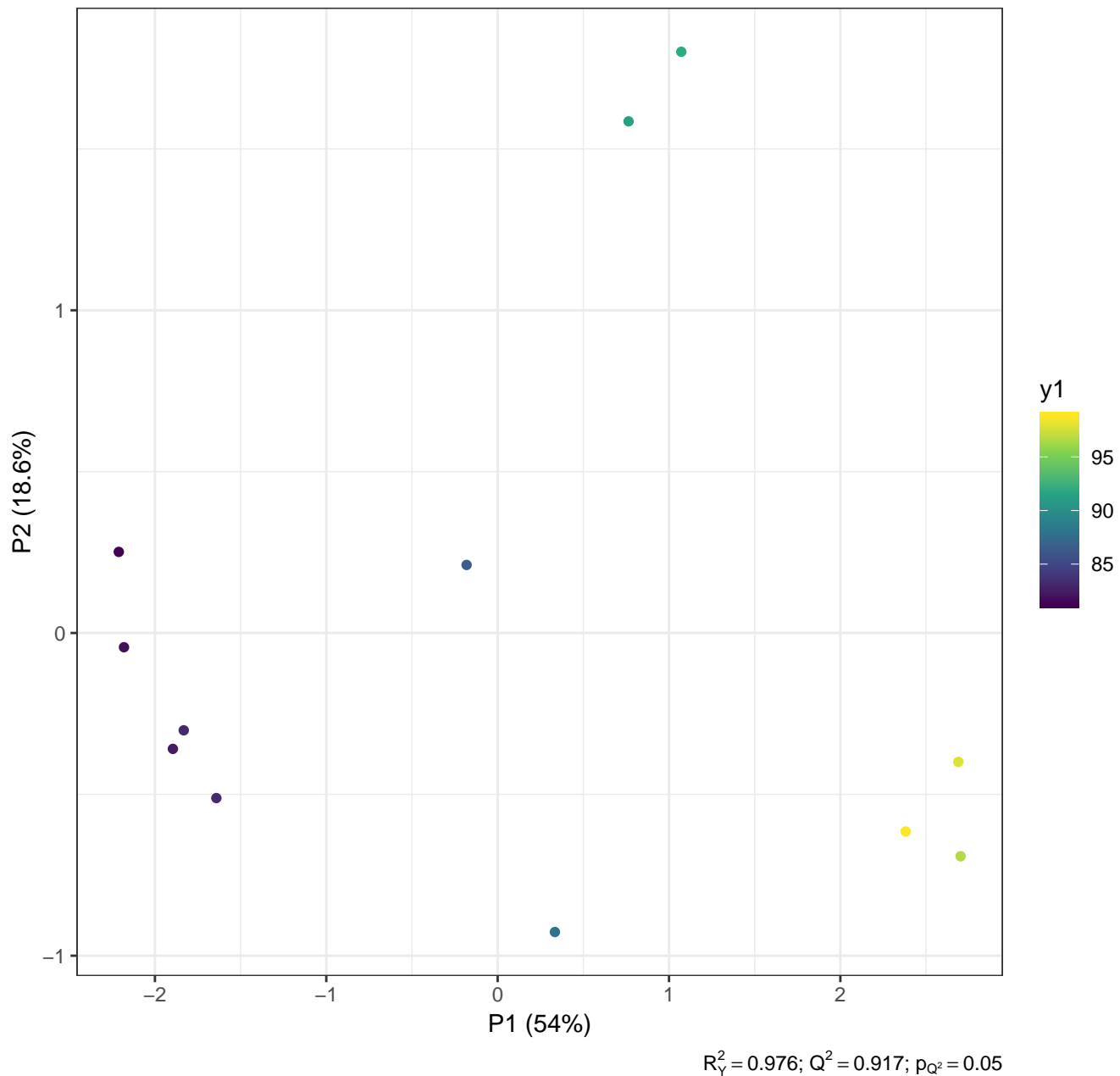


PLS-DA

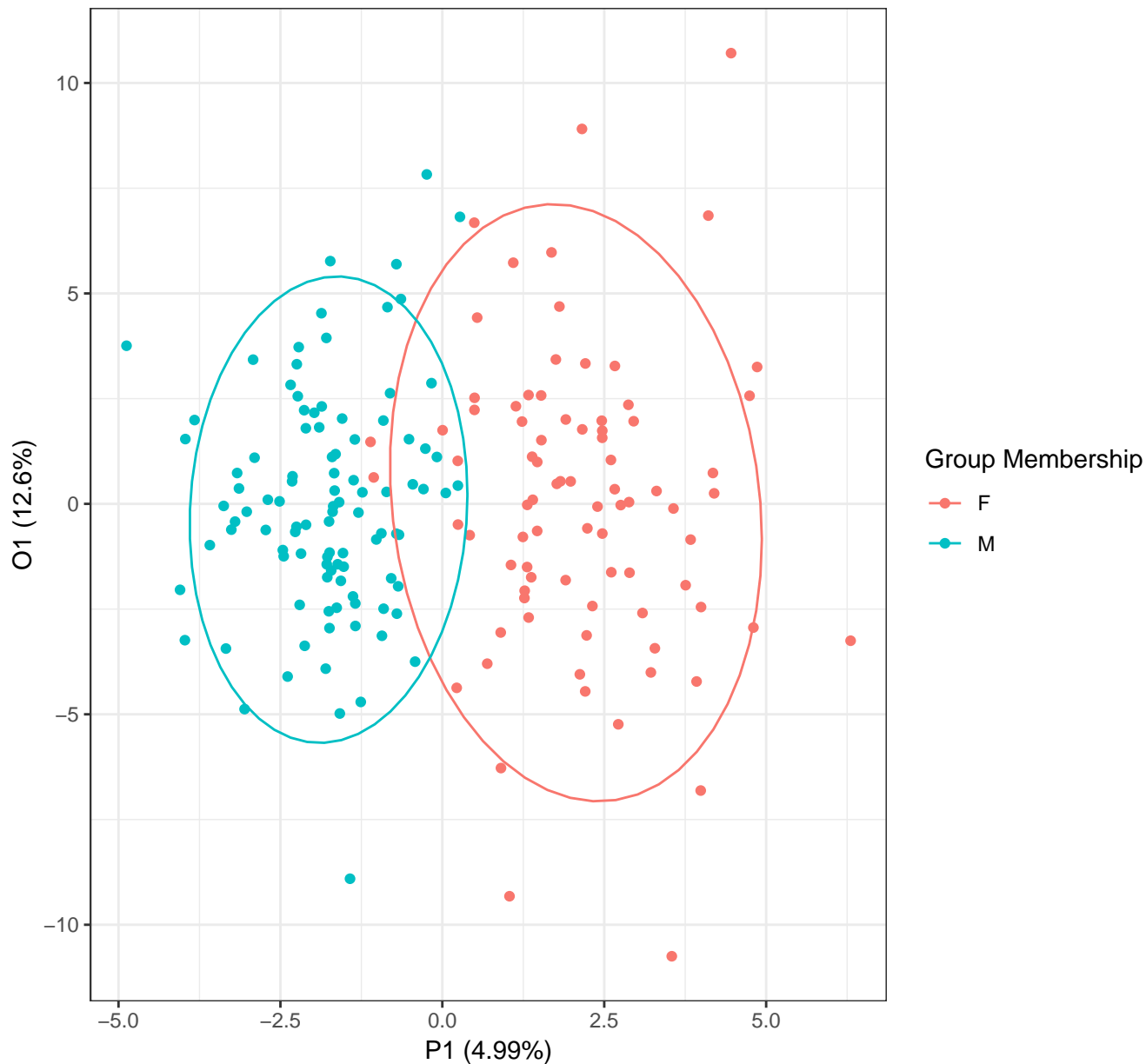


$R_Y^2 = 0.73$; $Q^2 = 0.584$; $p_{Q^2} = 0.05$

OPLSR



OPLS-DA



$R^2_Y = 0.73$; $Q^2 = 0.602$; $p_{Q^2} = 0.05$