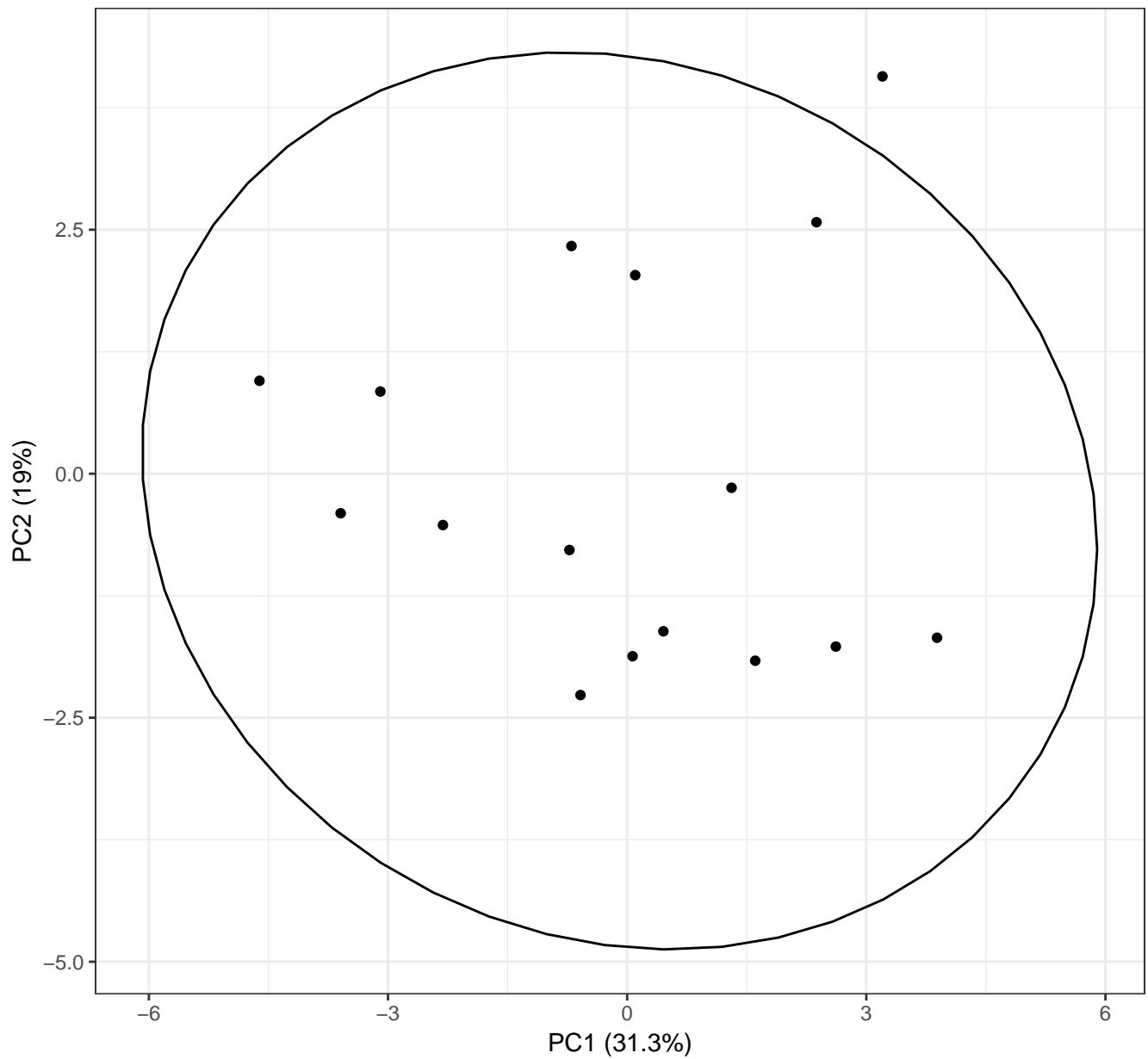
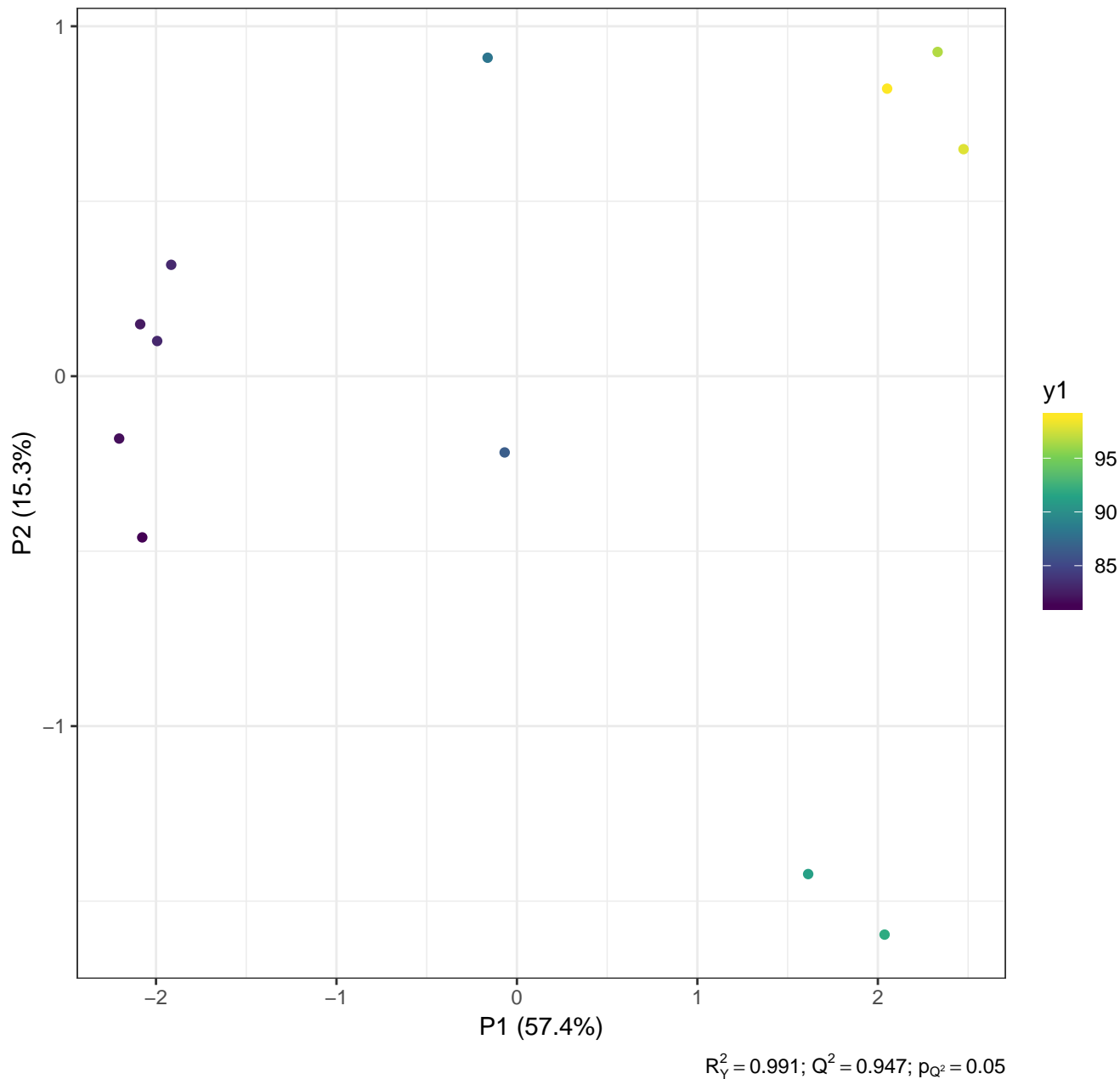


PCA

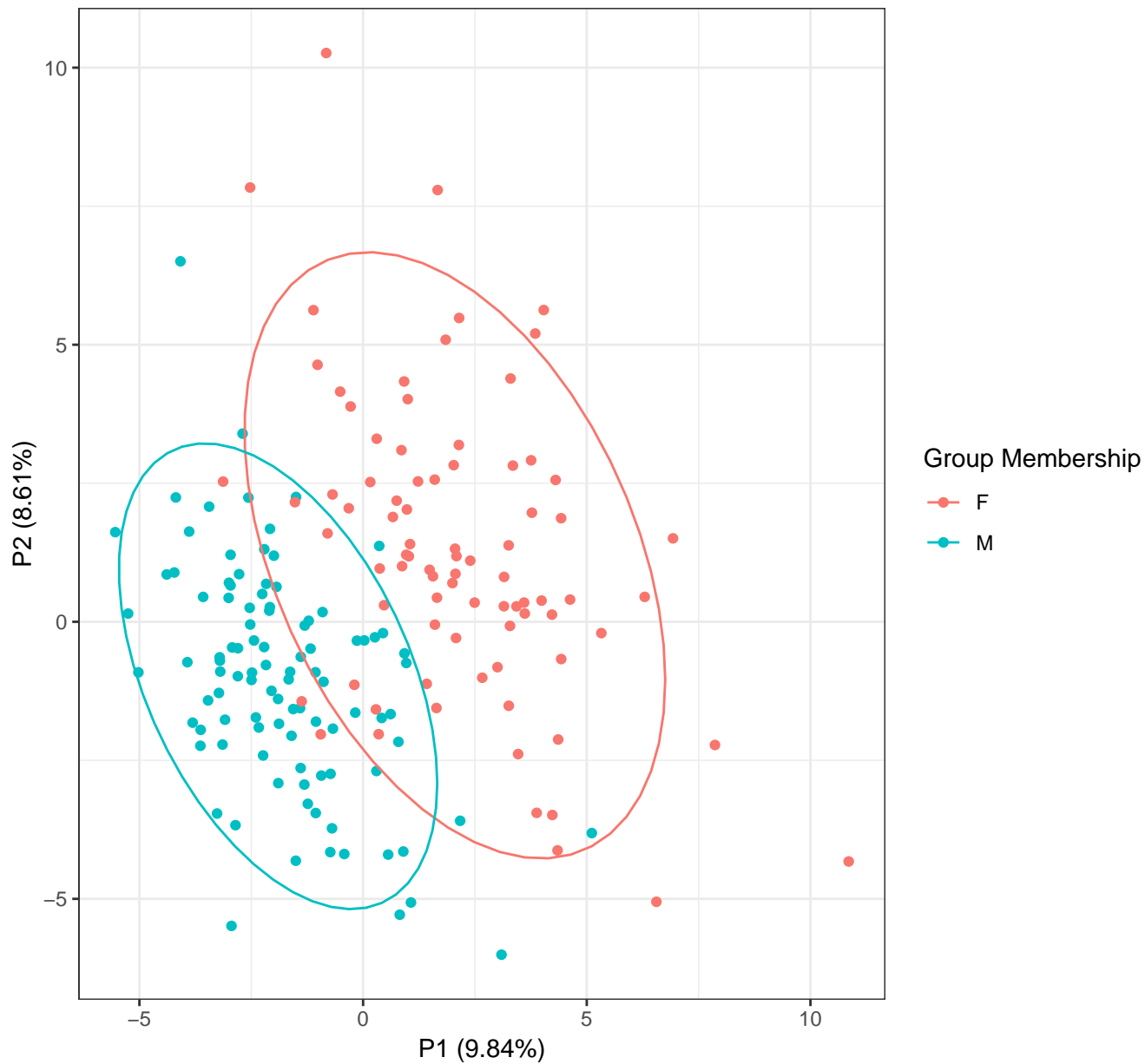


$R^2(\text{cumulative}) = 0.502$

PLSR

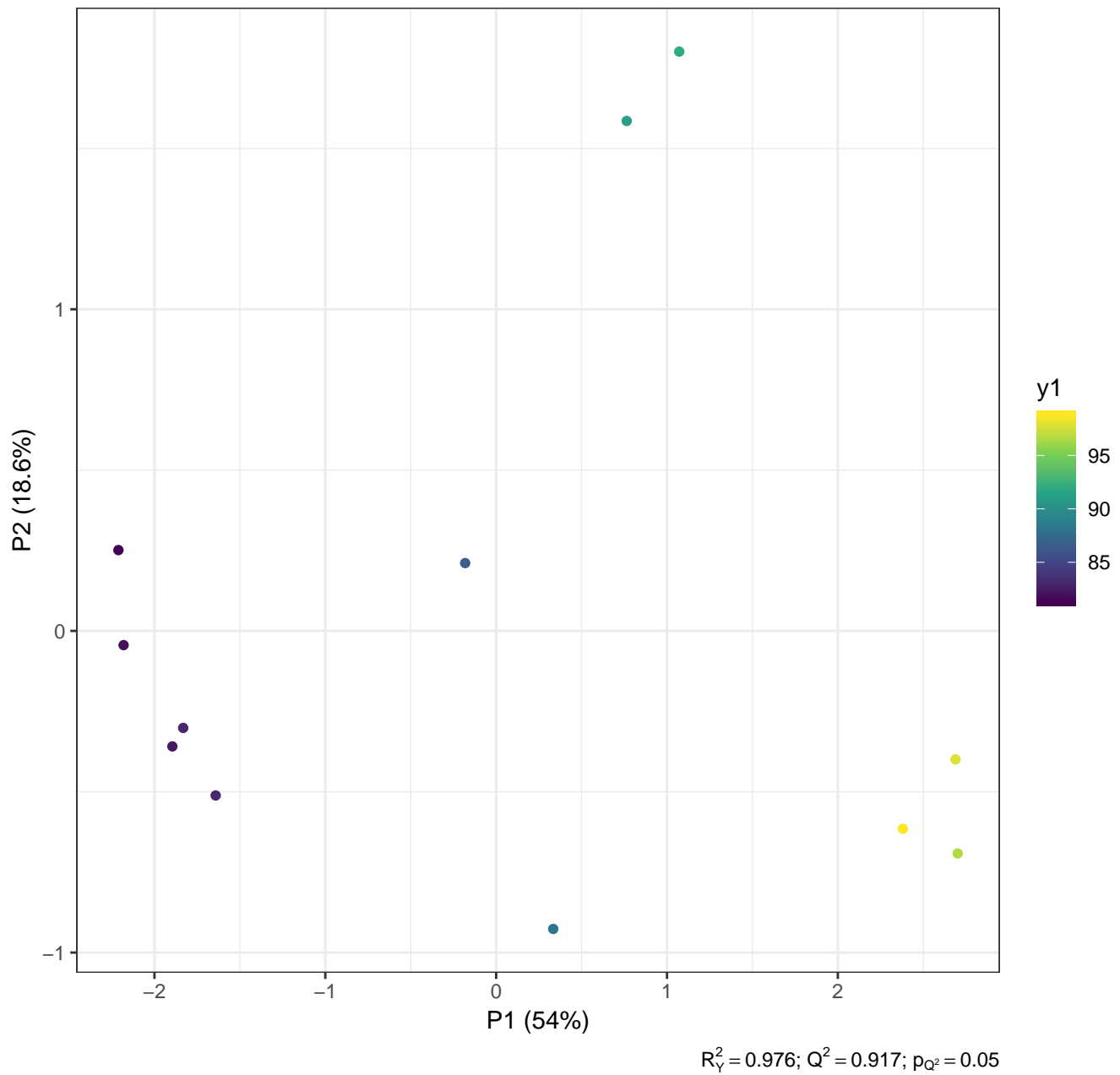


PLS-DA

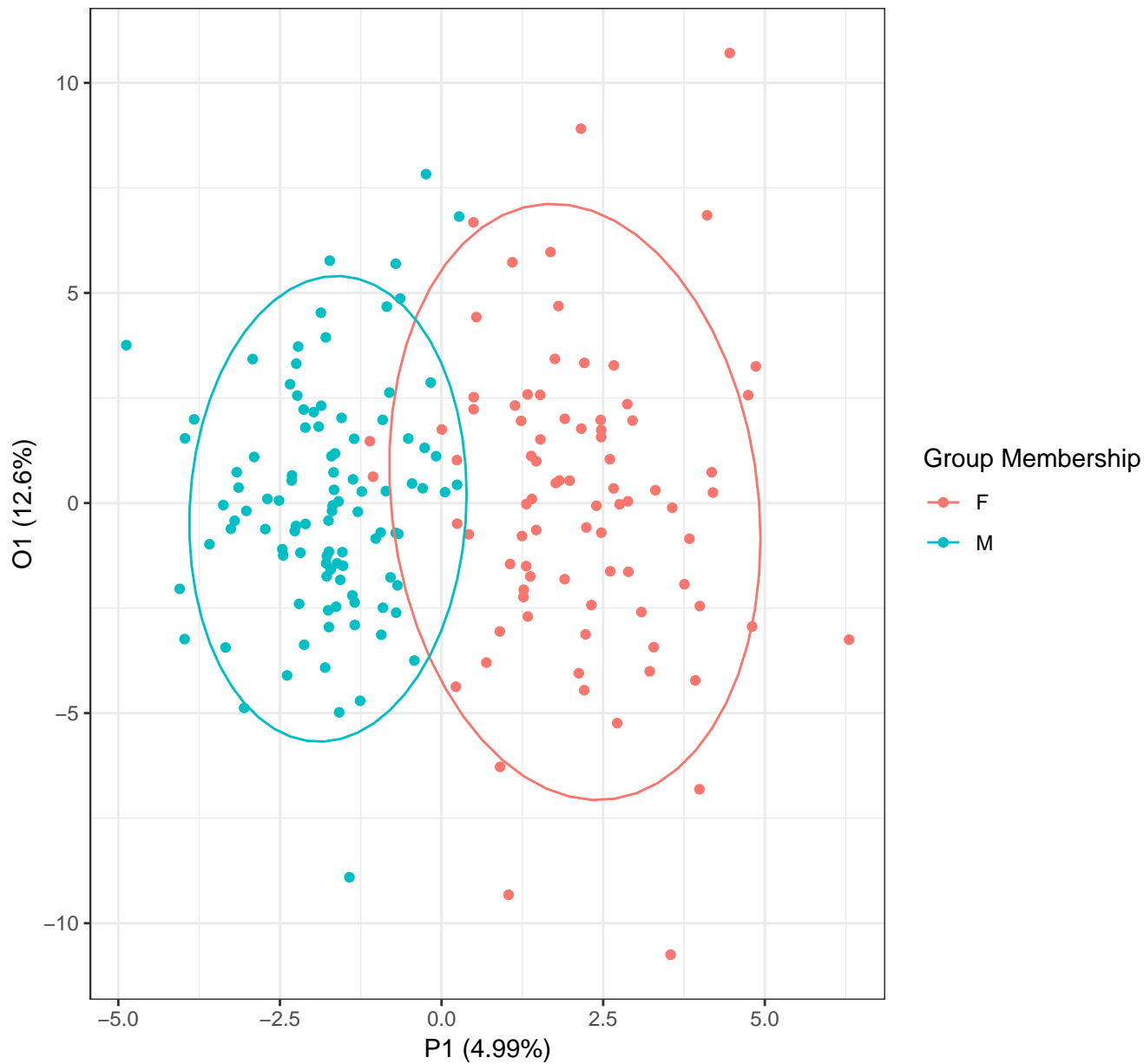


$R^2_Y = 0.73$; $Q^2 = 0.584$; $p_{Q^2} = 0.05$

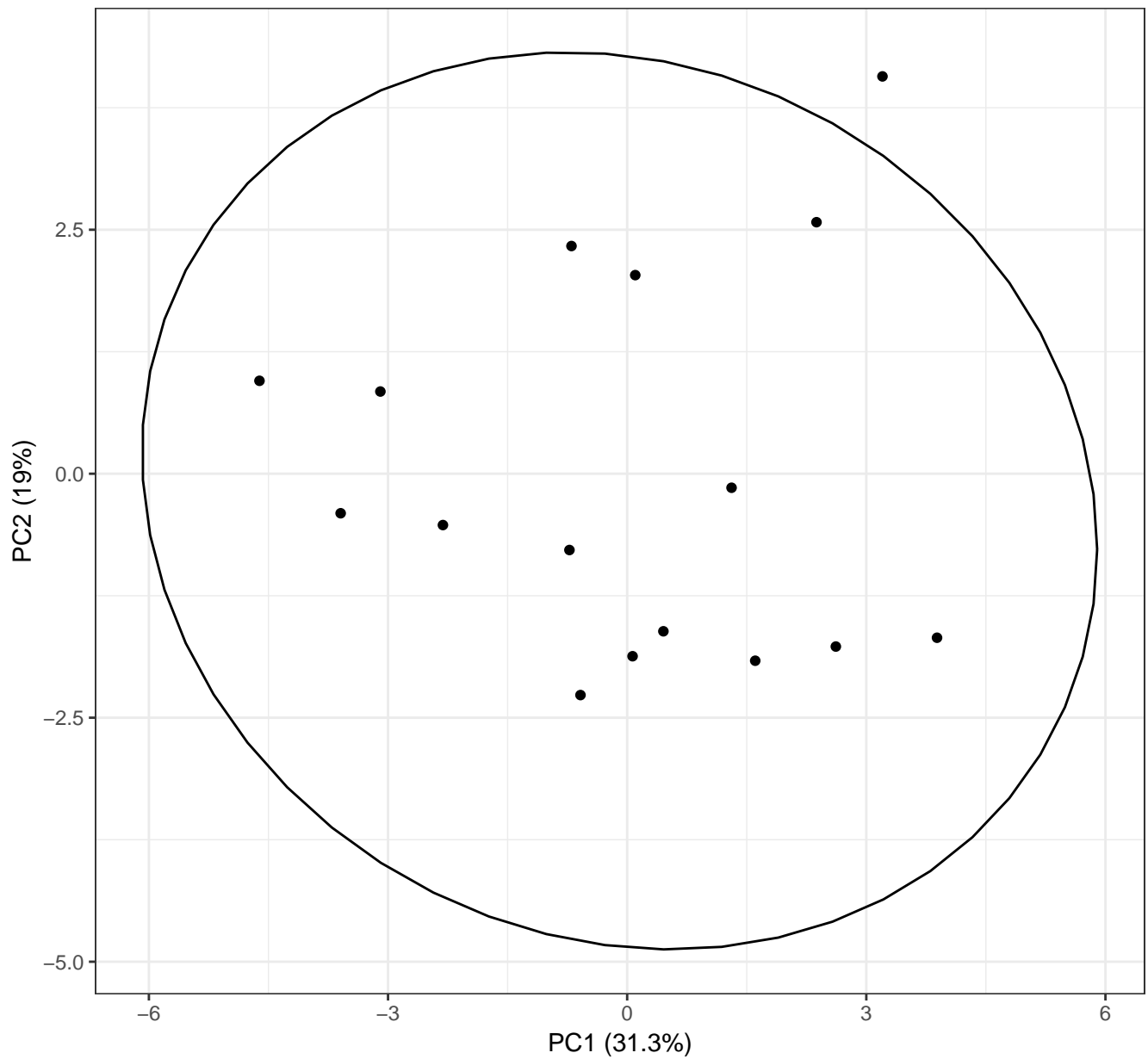
OPLSR



OPLS-DA

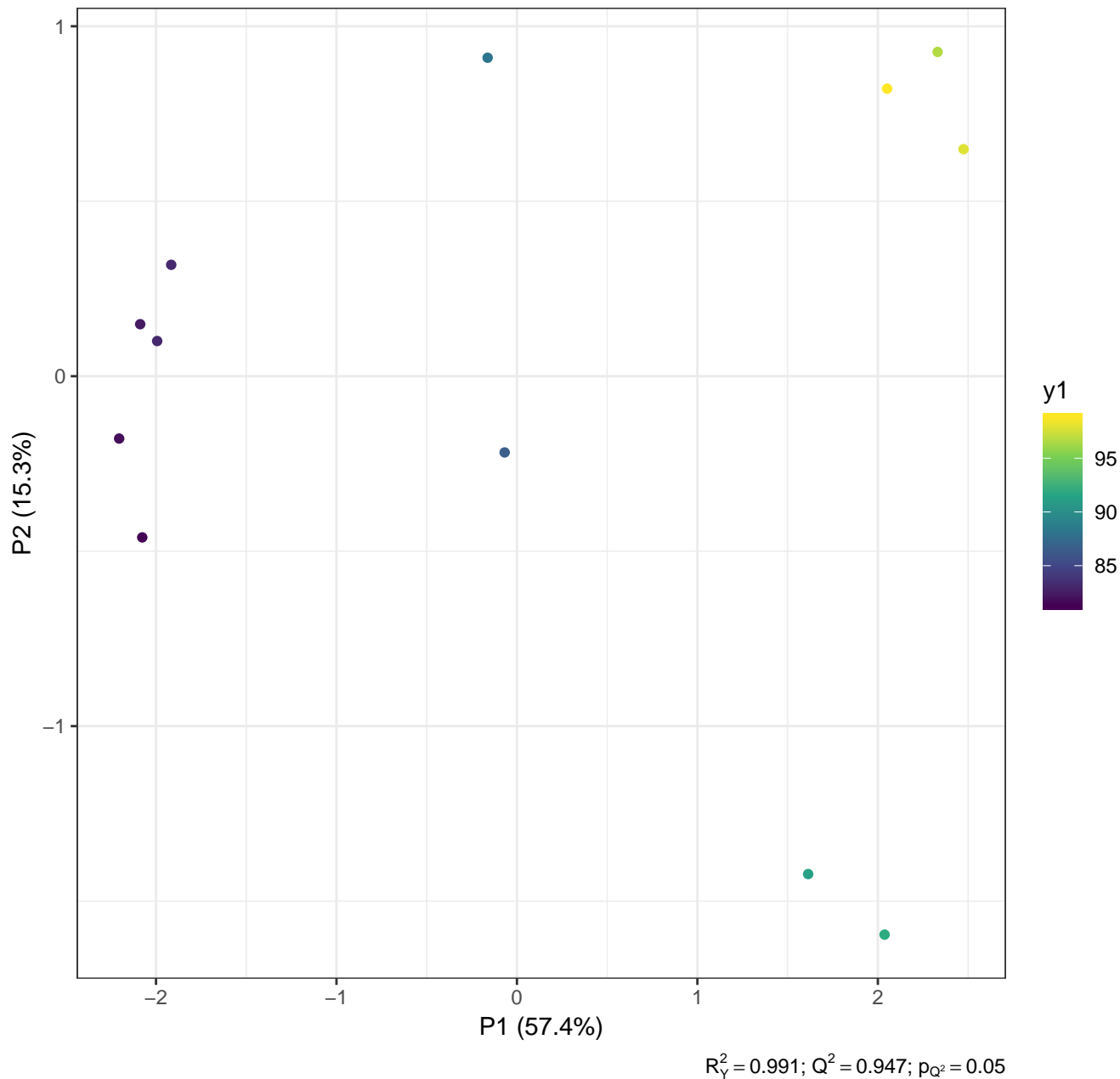


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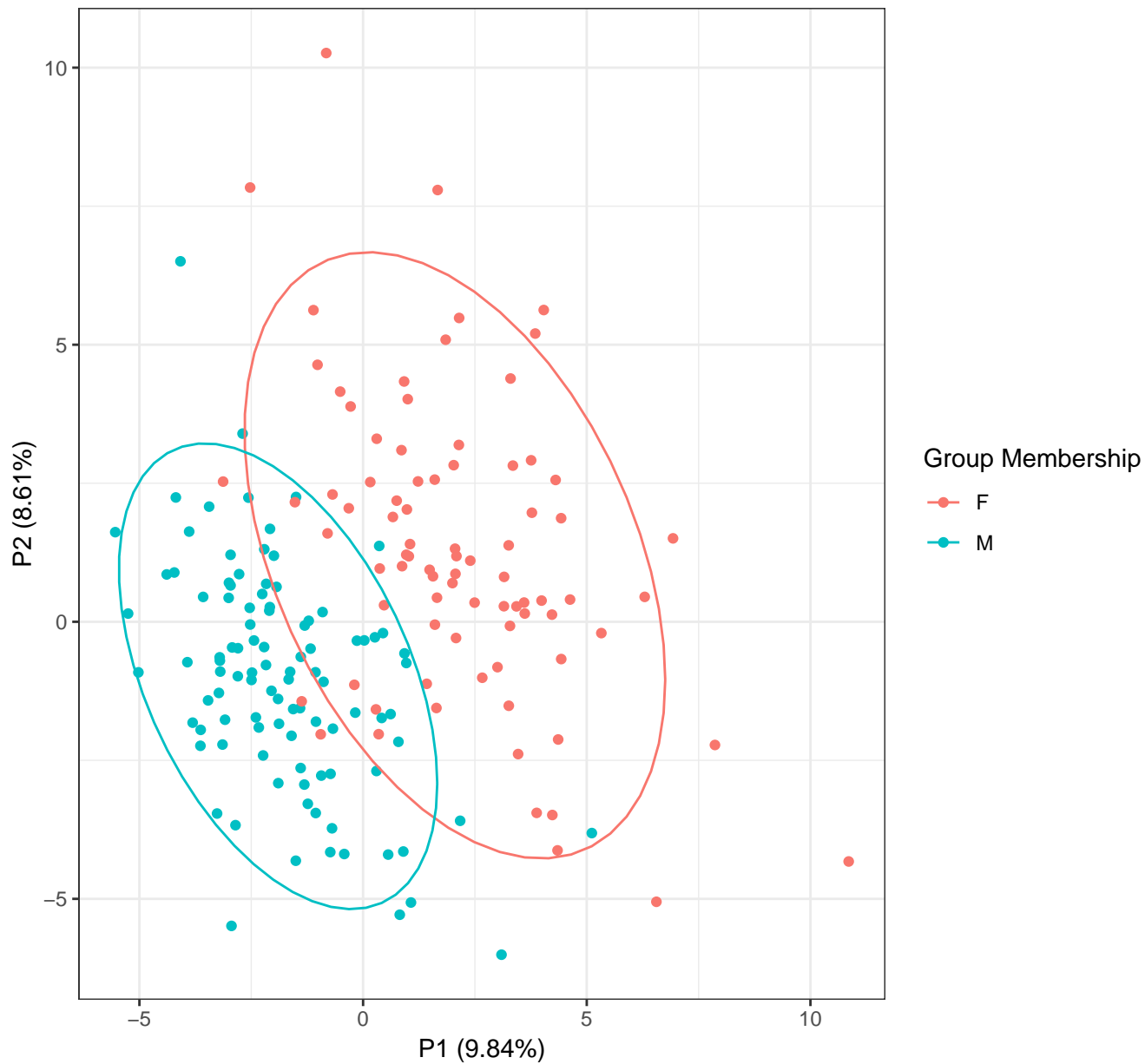


$R^2(\text{cumulative}) = 0.502$

PLSR

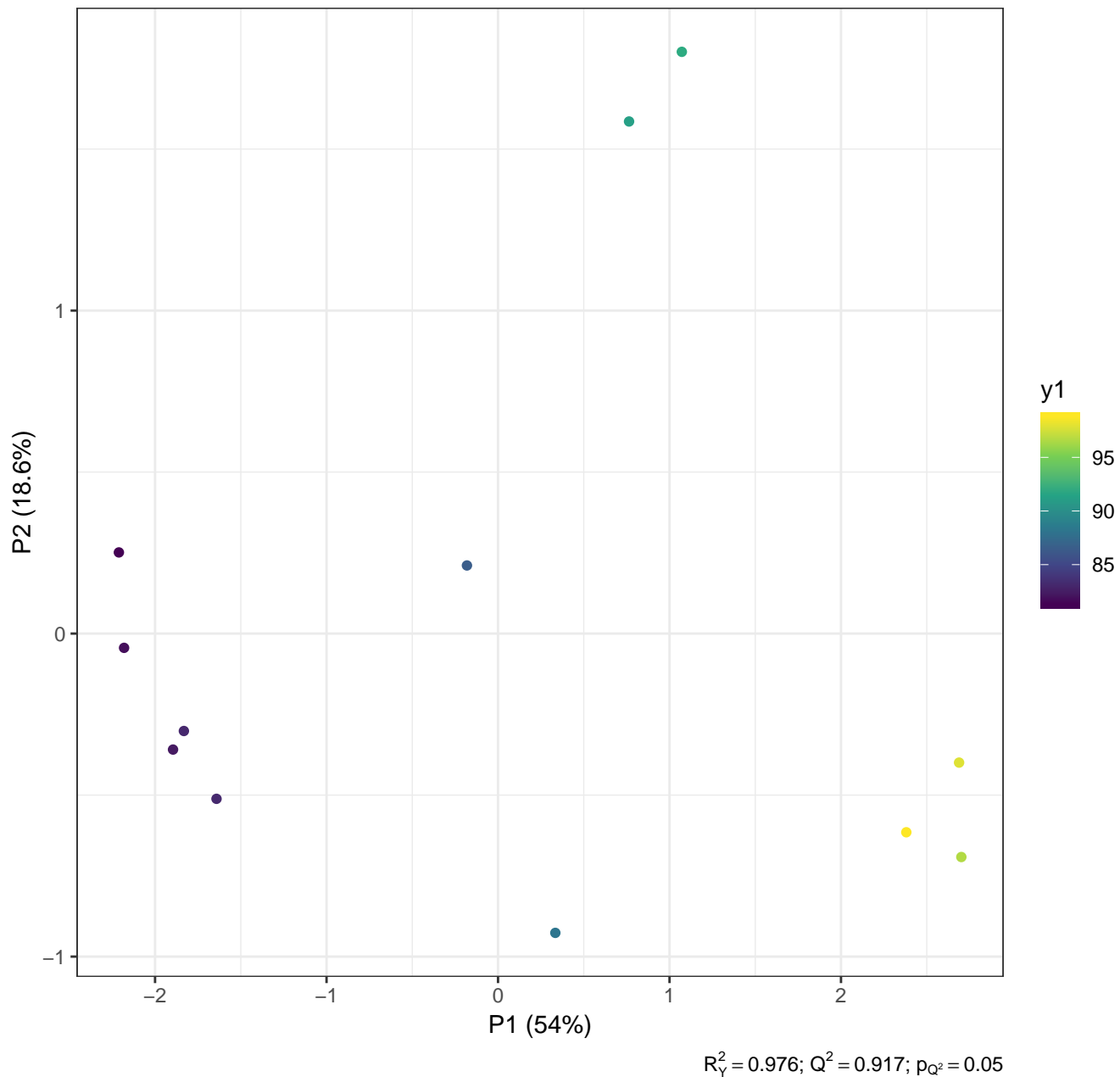


PLS-DA

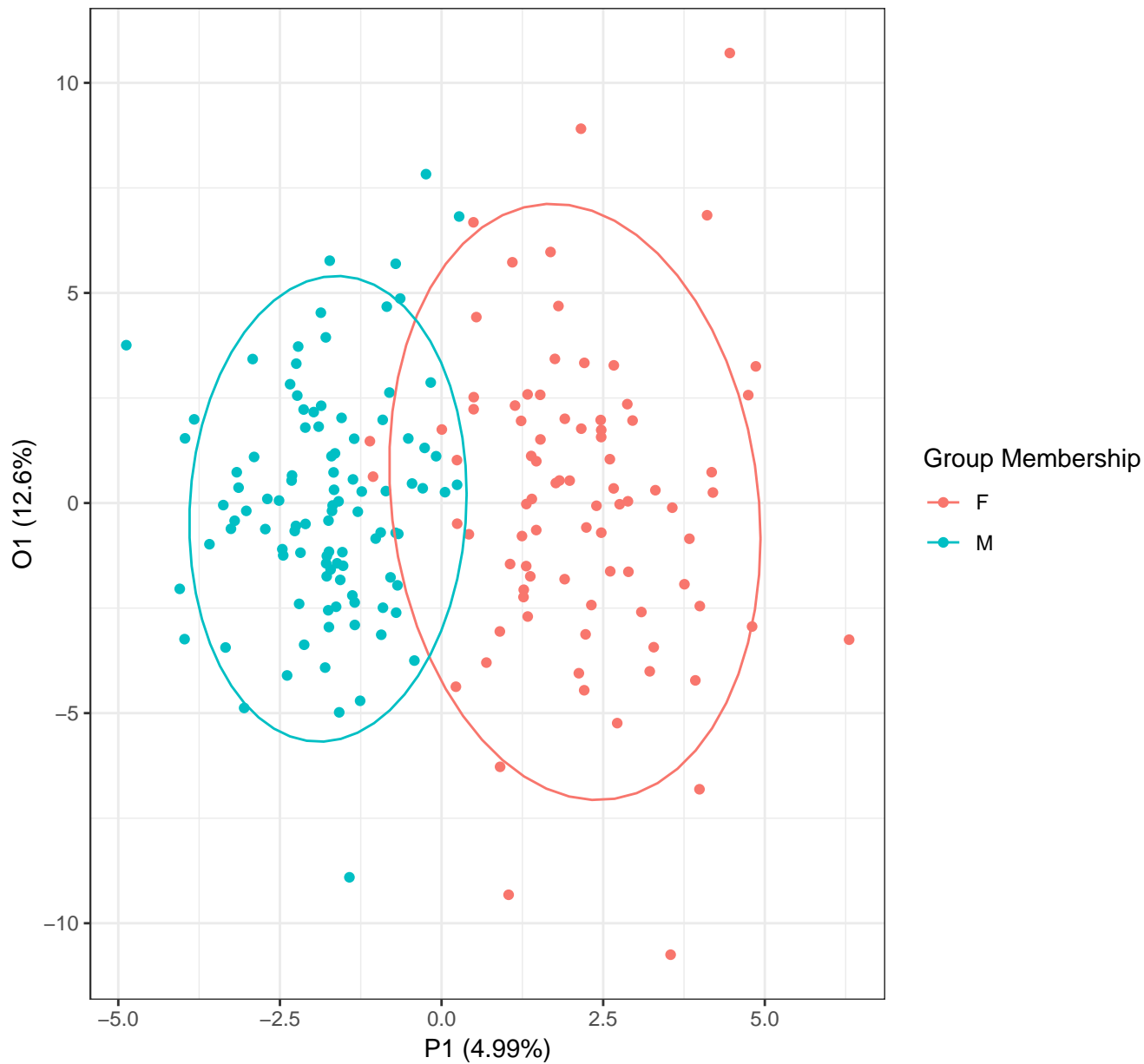


$R^2_Y = 0.73$; $Q^2 = 0.584$; $p_{Q^2} = 0.05$

OPLSR



OPLS-DA



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