Tests for H$_0$: Log−concave vs H$_1$: Not log−concave
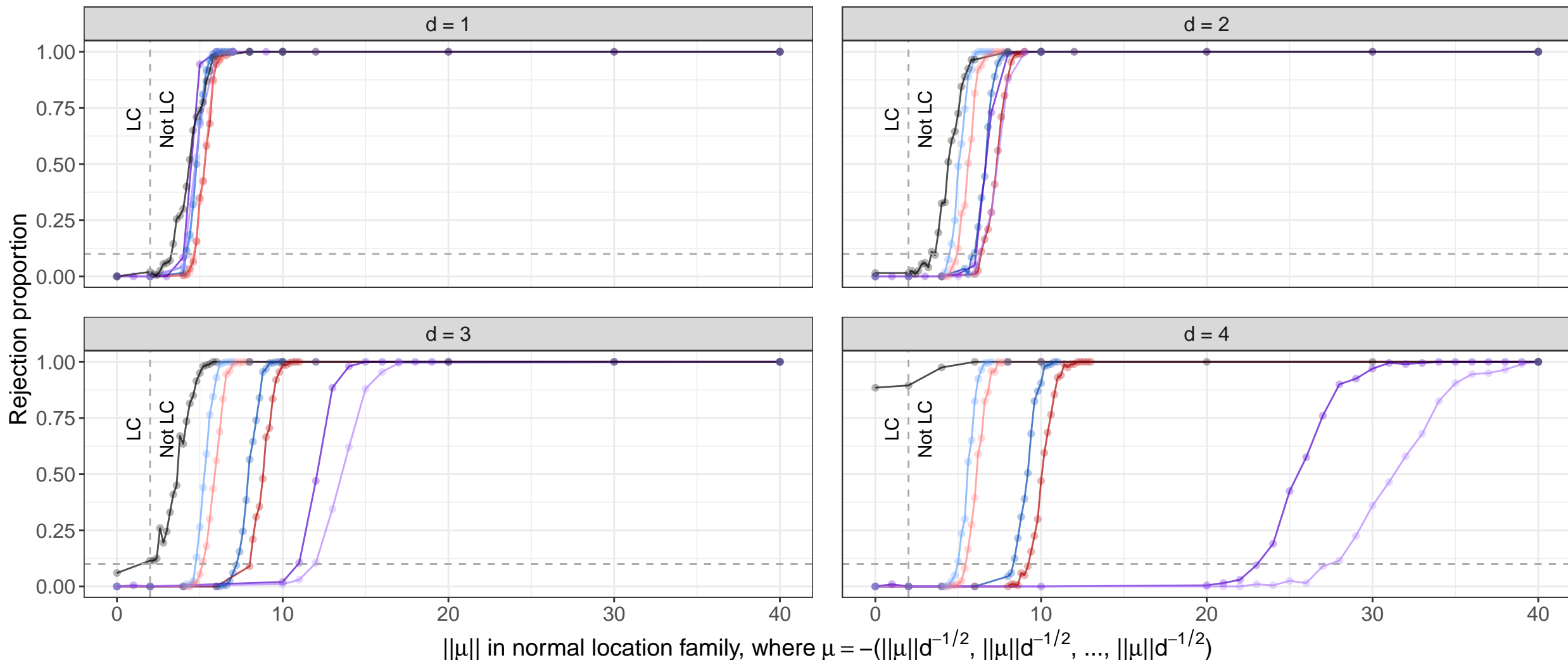
Normal location family $f(x) = 0.5\phi_d(x) + 0.5\phi_d(x - \mu)$. n = 100 obs. 200 sims.

Method
- Partial oracle, axis−aligned projections
- Partial oracle, random projections
- Fully nonparametric, axis−aligned projections
- Fully nonparametric, random projections
- Full oracle, d−dim
- Partial oracle, d−dim
- Permutation test

$||\mu||$ in normal location family, where $\mu = -(||\mu||d^{-1/2}, ||\mu||d^{-1/2}, ..., ||\mu||d^{-1/2})$