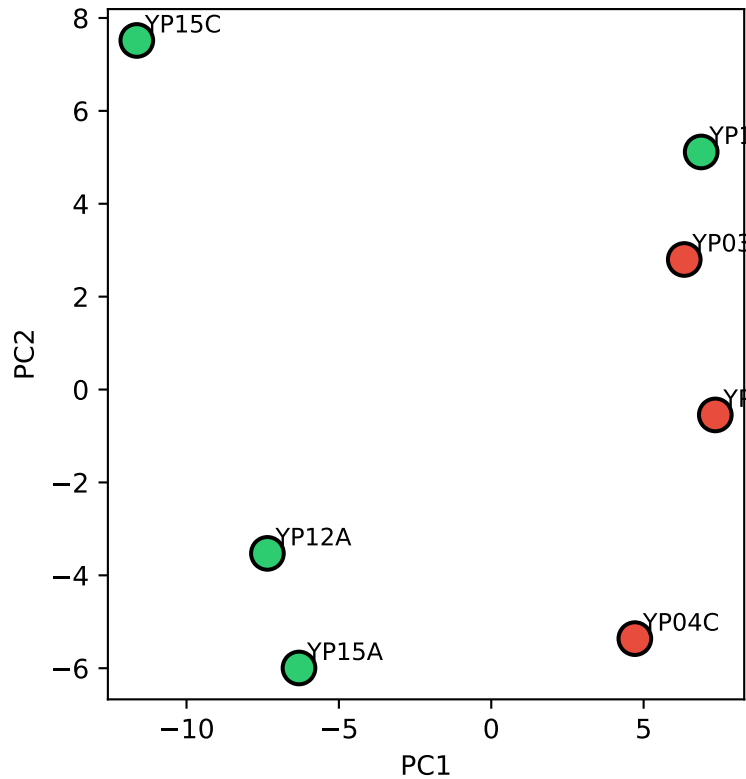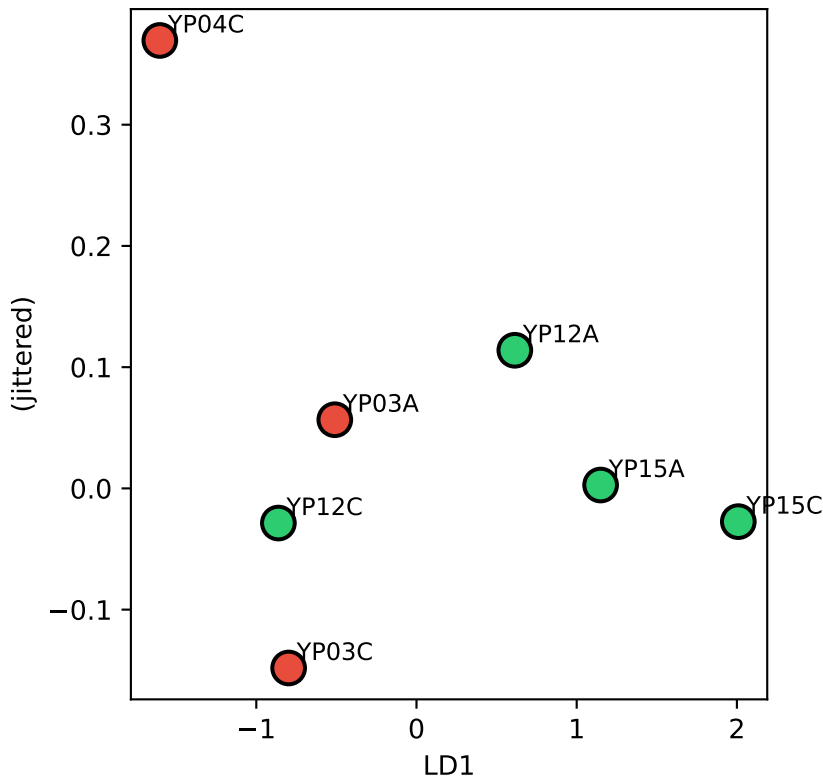**Figure 21: Separation Methods Comparison (R vs NR Classification)**
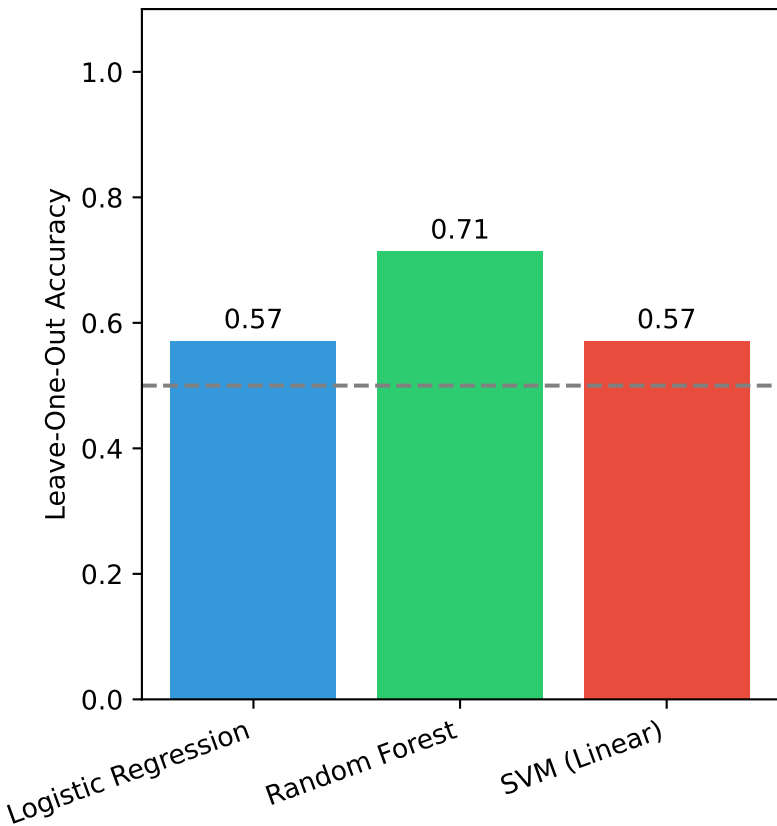
A) PCA (silhouette=0.25)
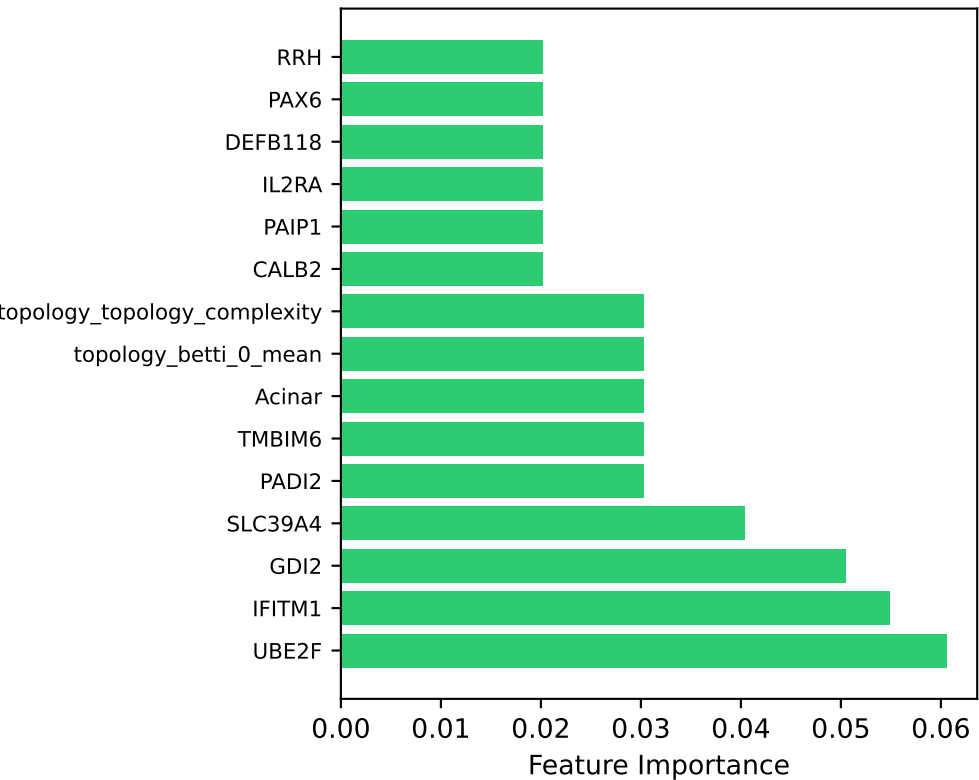
B) LDA (silhouette=0.30)

C) Classification Accuracy
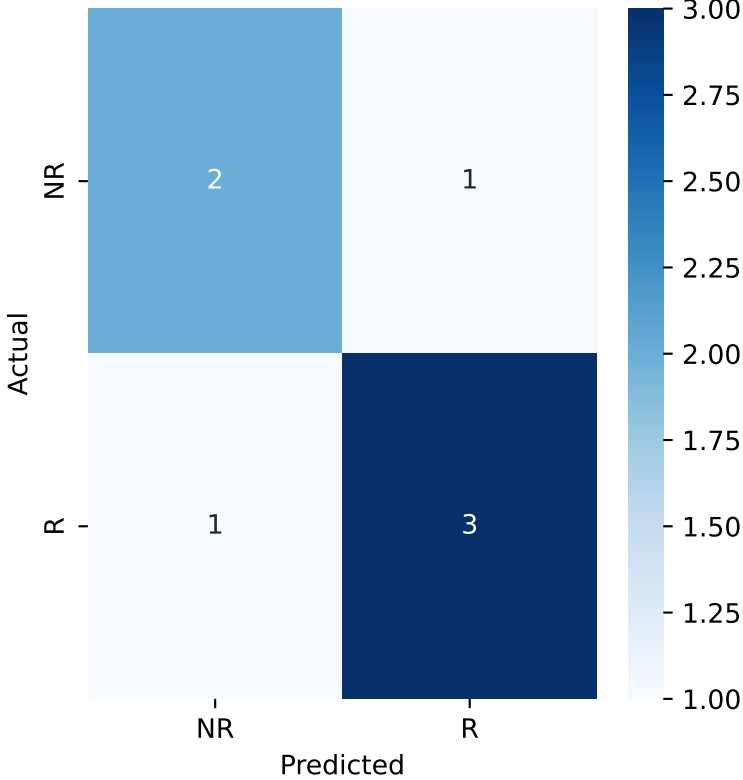
D) RF Feature Importance (Top 15)

E) Confusion Matrix (Random Forest)

```
SEPARATION METHODS SUMMARY
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Dataset: n=7 samples
Classes: 4 Responders, 3 Non-Responders
Features: 127

EMBEDDING METHODS:
- PCA Silhouette: 0.249
- LDA Silhouette: 0.301

CLASSIFICATION (LOO-CV):
- Logistic Regression: 57.1%
- Random Forest: 71.4%
- SVM (Linear): 57.1%

Best method: Random Forest
Accuracy: 71.4%

Note: Small sample size (n=7) limits
statistical power. Results are exploratory.
```