

# Domain Knowledge Outperforms Generic AI Embeddings

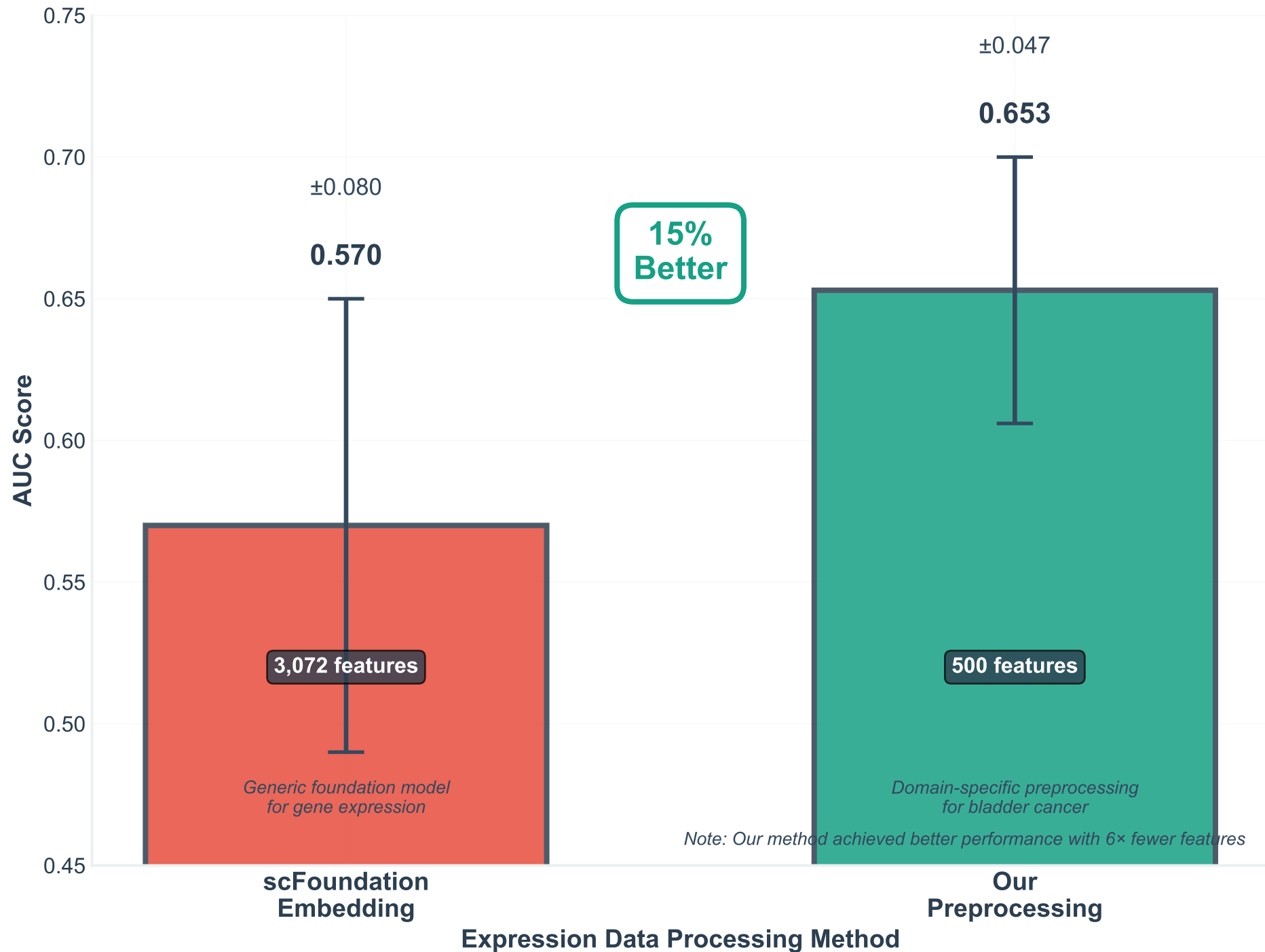


Figure 4. Comparison of gene expression representations. Standard preprocessing with fold change selection (0.646 AUC) outperformed computationally intensive autoencoder embeddings (0.522 AUC), demonstrating that domain knowledge trumps complexity.