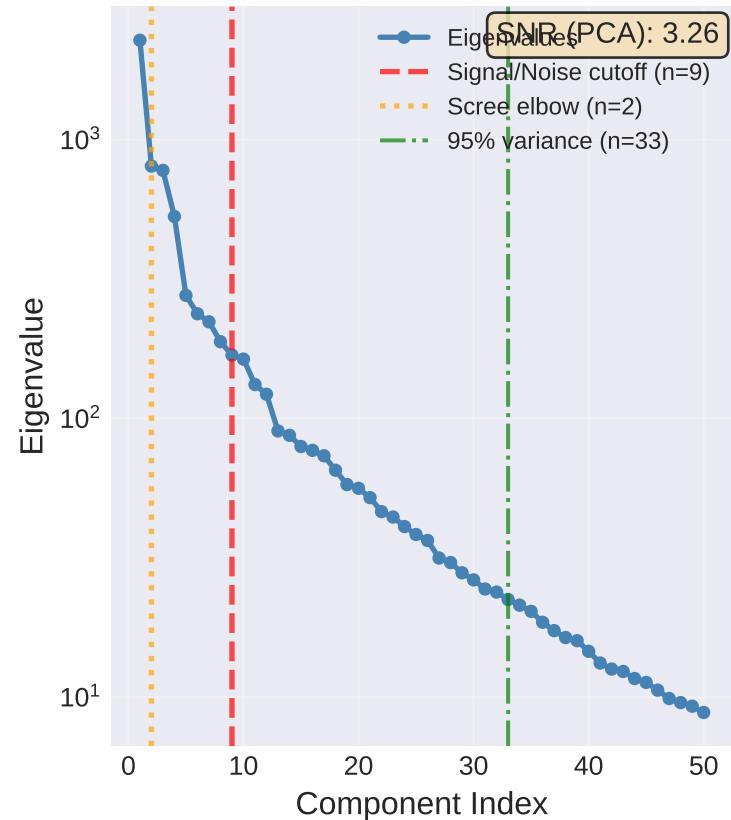
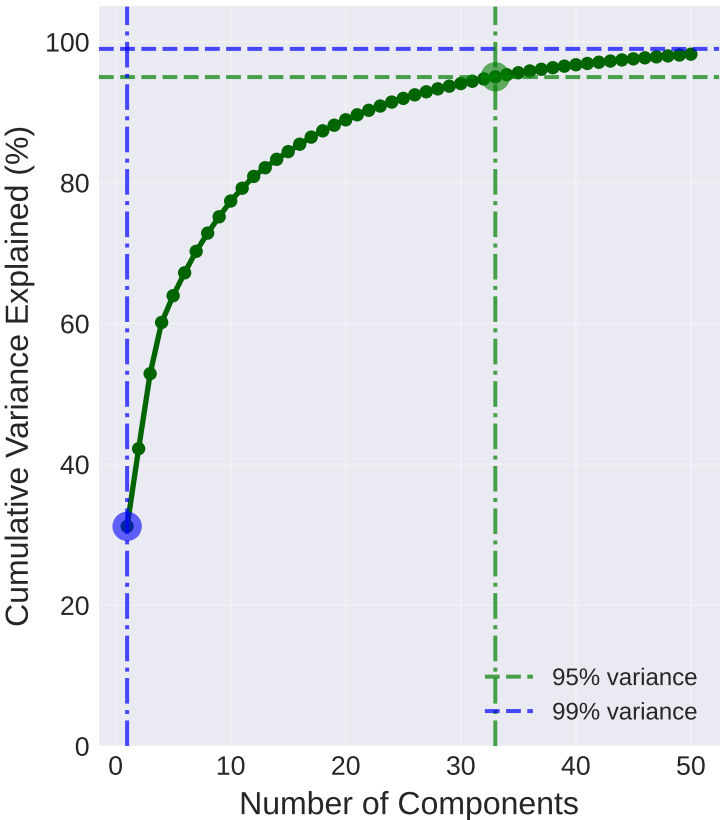


Signal-to-Noise Ratio Analysis - Lentiform Nucleus

Scree Plot - Lentiform Nucleus



Cumulative Variance - Lentiform Nucleus



SNR Analysis Summary

Signal Quality:

Moderate (SNR 3-10): Adequate signal, moderate noise

SNR Estimates:

PCA-based: 3.26

Variance-based: 0.00

Effective Dimensionality:

95% variance: 33 PCs

99% variance: 1 PCs

Scree elbow: 2

Recommendations:

K range: 2-2 (moderate signal)

Prior strength:

MODERATE priors (SNR 2-5): Use τ_0 floor (current: 0.3)

Convergence:

MODERATE: May need longer chains or stronger priors