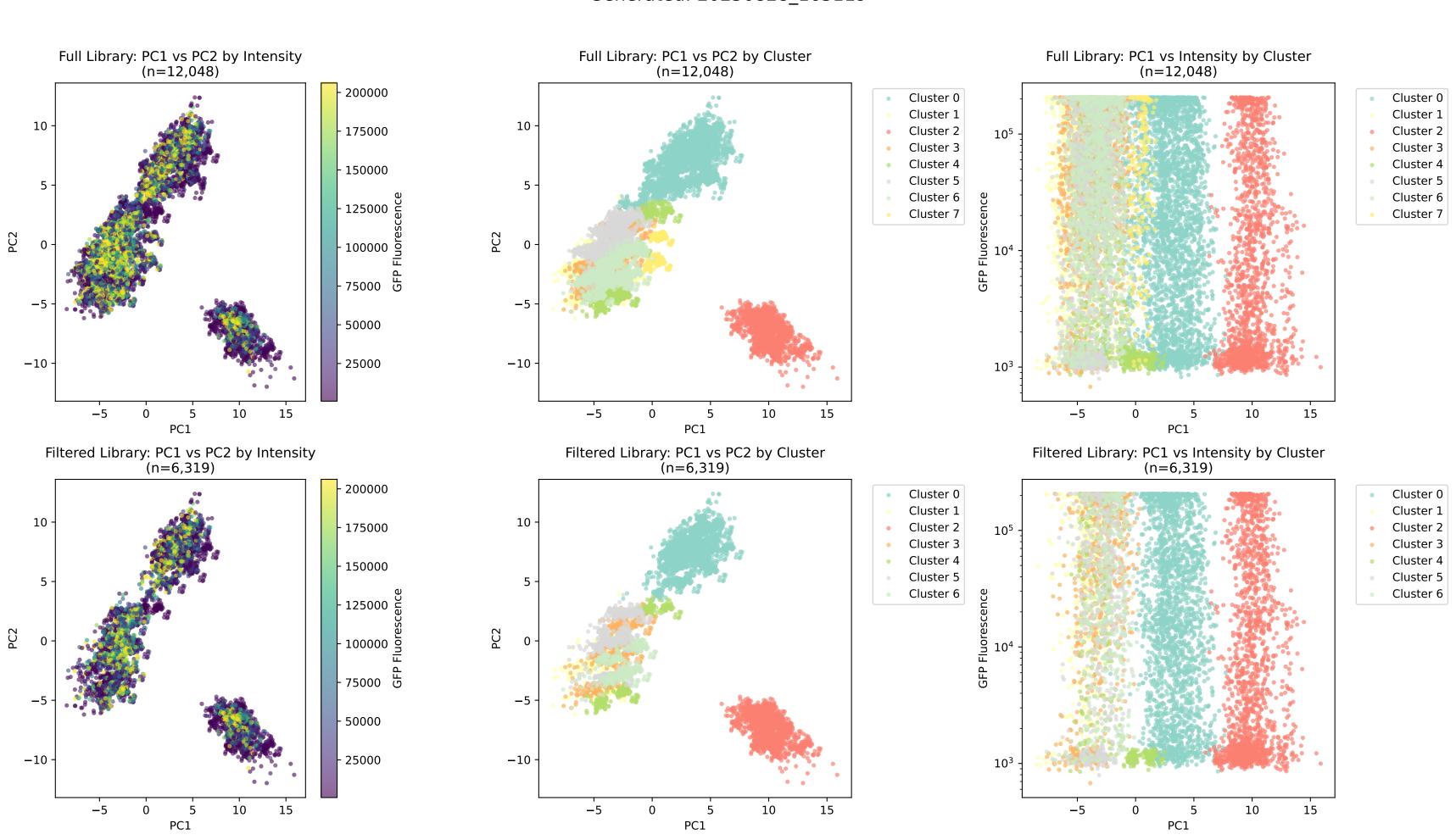
Combinatorial Library Analysis Report Page 1: Full Library vs Filtered Library PCA Analysis Generated: 20250828_163119



Cluster Family Analysis (Full Library)

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CLUSTER FAMILY ANALYSIS (Full Library)
Cluster 0 (n=3185):
Promoters: BioFAB Promoters: 89.8%; Nopromoter: 3.5%; lacUV5: 3.5%; pTrc*: 3.3%
RBS: BioFAB RBS: 50.1%; Anderson RBS: 29.1%; Salis RBS: 11.6%; Other RBS: 6.8%; BioBrick RBS: 2.4%
Cluster 1 (n=1686):
Promoters: BioFAB Promoters: 93.4%; galP1: 6.6%
RBS: BioFAB RBS: 51.5%; Anderson RBS: 30.3%; Salis RBS: 9.7%; Other RBS: 6.3%; BioBrick RBS: 2.2%
Cluster 2 (n=1664):
Promoters: Anderson Promoters: 100.0%
RBS: BioFAB RBS: 49.6%; Anderson RBS: 28.8%; Salis RBS: 11.7%; Other RBS: 7.2%; BioBrick RBS: 2.6%
Cluster 3 (n=1598):
Promoters: BioFAB Promoters: 100.0%
RBS: BioFAB RBS: 51.1%; Anderson RBS: 30.0%; Salis RBS: 10.3%; Other RBS: 6.5%; BioBrick RBS: 2.0%
Cluster 4 (n=835):
Promoters: BioFAB Promoters: 89.8%; pT7A1: 10.2%
RBS: BioFAB RBS: 51.3%; Anderson RBS: 30.8%; Salis RBS: 9.8%; Other RBS: 6.0%; BioBrick RBS: 2.2%
Cluster 5 (n=1596):
Promoters: BioFAB Promoters: 100.0%
RBS: BioFAB RBS: 51.6%; Anderson RBS: 29.8%; Salis RBS: 10.1%; Other RBS: 6.5%; BioBrick RBS: 2.1%
Cluster 6 (n=1269):
Promoters: BioFAB Promoters: 100.0%
RBS: BioFAB RBS: 51.8%; Anderson RBS: 30.2%; Salis RBS: 9.4%; Other RBS: 6.6%; BioBrick RBS: 2.0%
Cluster 7 (n=215):
Promoters: PLTETo1: 51.2%; pLlac01: 48.8%
RBS: BioFAB RBS: 50.7%; Anderson RBS: 29.8%; Salis RBS: 11.2%; Other RBS: 6.5%
```

Selected Variants Analysis

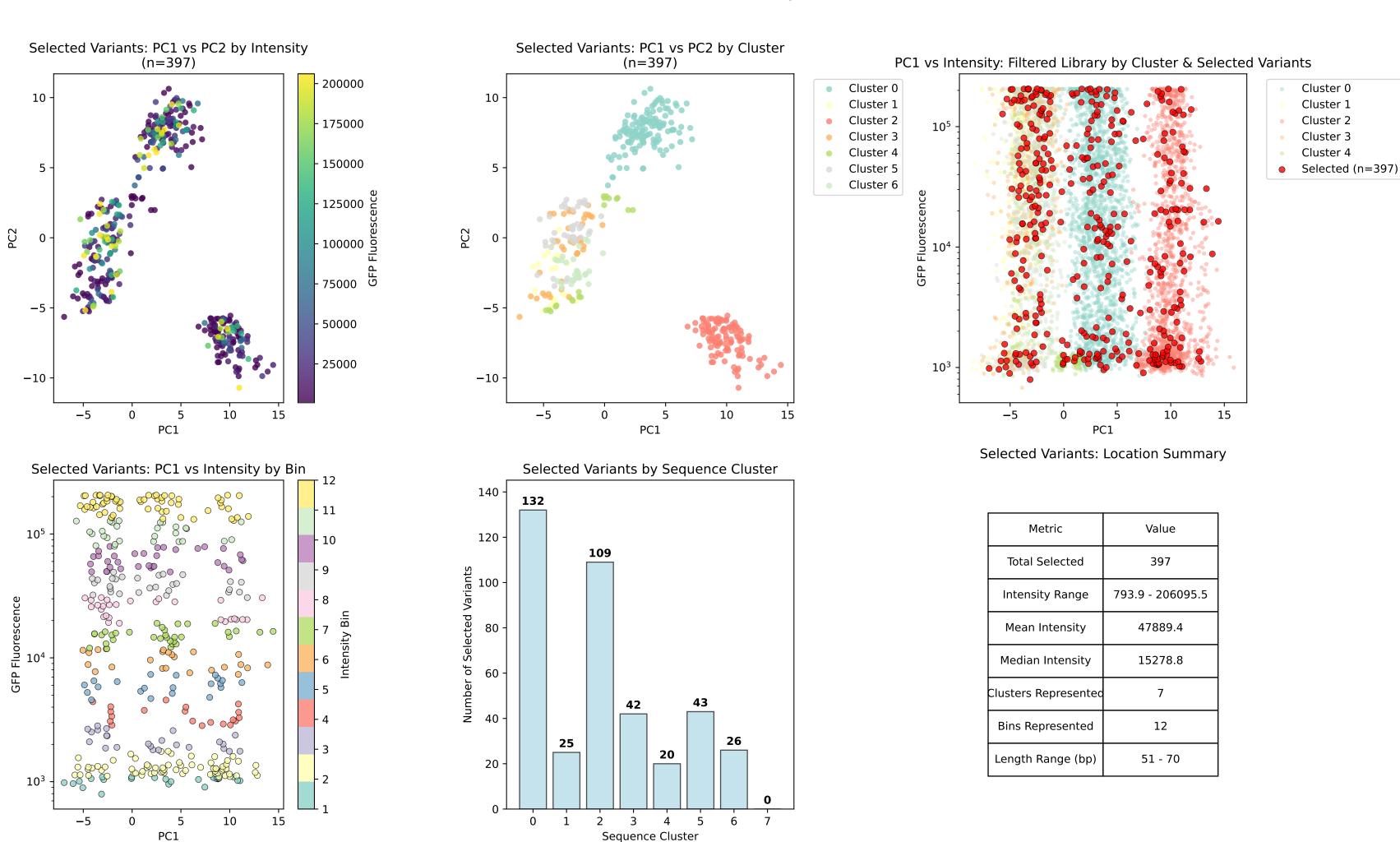
Cluster 0

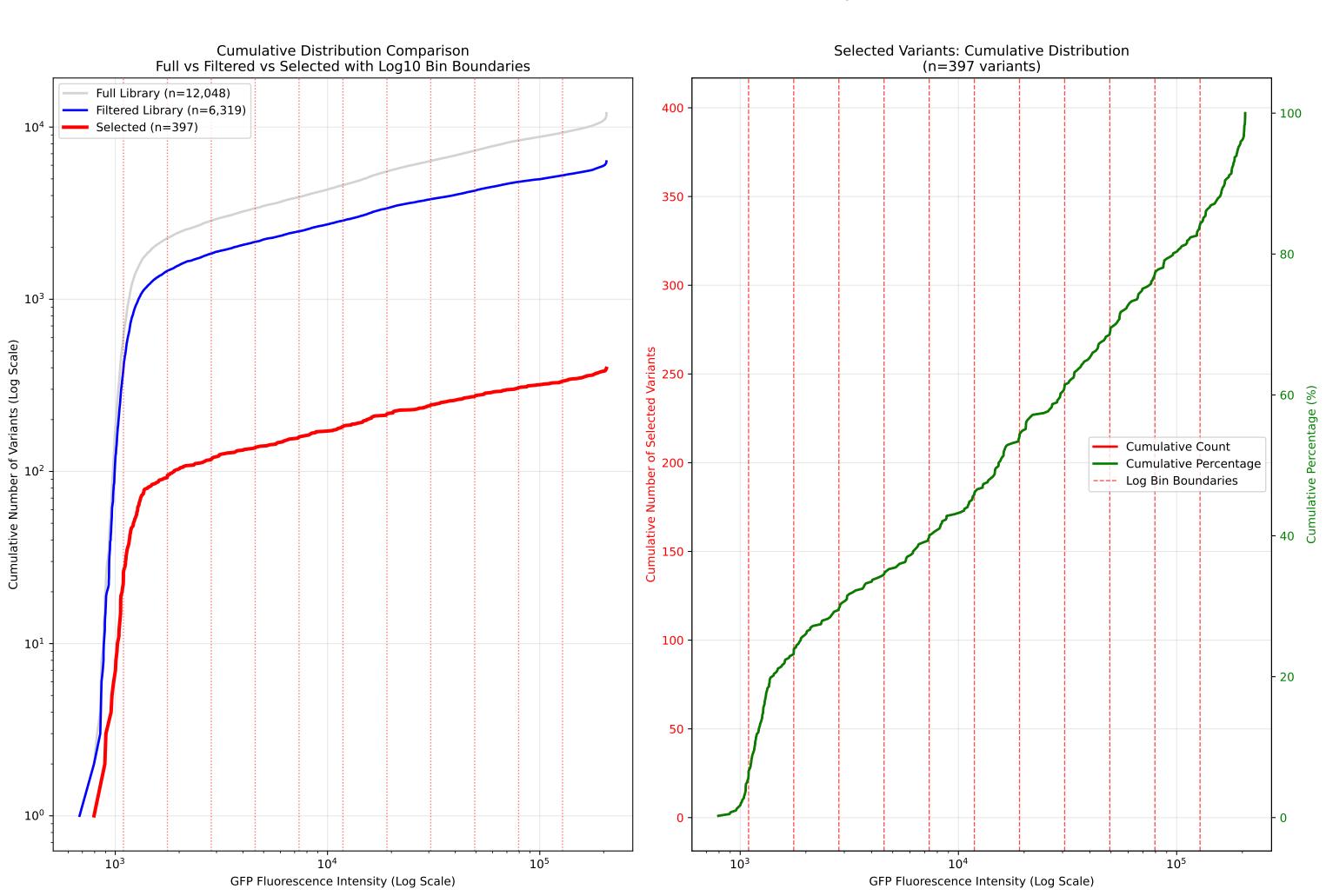
Cluster 1

Cluster 2

Cluster 3

Cluster 4





Ready-to-Order Sequence Length Analysis

