INITIAL OPTIMIZATION: Using 70% Original Training Data

A graph with red dots

Description automatically generatedA graph with blue and red dots

Description automatically generated

A graph with blue dots and red dots

Description automatically generated A graph with red dots

Description automatically generated  
  
Using 30% Original Test data

A graph with blue dots and red dots

Description automatically generated

Dataset Lukemia:

Feature selection frequency across 10 runs:

Feature 2449: 14 times

Feature 2591: 14 times

Feature 3694: 14 times

Feature 1396: 13 times

Feature 3078: 13 times

Feature 3529: 13 times

Feature 3966: 13 times

Feature 4165: 13 times

Feature 4868: 13 times

Feature 5892: 13 times

Feature 5924: 13 times

Feature 404: 12 times

Feature 3272: 12 times

Feature 3530: 12 times

Feature 5249: 12 times

Feature 5329: 12 times

Feature 6312: 12 times

Feature 6756: 12 times

Feature 76: 11 times

Feature 1033: 11 times

Feature 1474: 11 times

Feature 2346: 11 times

Feature 3398: 11 times

Feature 6628: 11 times

Feature 291: 10 times

Feature 991: 10 times

Feature 2637: 10 times

Feature 2692: 10 times

Feature 3788: 10 times

Feature 4407: 10 times

Feature 5750: 10 times

Feature 6476: 10 times

Feature 288: 9 times

Feature 654: 9 times

Feature 3204: 9 times

Feature 3392: 9 times

Feature 3784: 9 times

Feature 6365: 9 times

Feature 6551: 9 times

Feature 1149: 8 times

Feature 1351: 8 times

Feature 2802: 8 times

Feature 3145: 8 times

Feature 4925: 8 times

Feature 5987: 8 times

Feature 6623: 8 times

Feature 6956: 8 times

Feature 6989: 8 times

Feature 2753: 7 times

Feature 4253: 7 times

Feature 4920: 7 times

Feature 234: 6 times

Feature 626: 6 times

Feature 1694: 6 times

Feature 3770: 6 times

Feature 3815: 6 times

Feature 4011: 6 times

Feature 4338: 6 times

Feature 6638: 6 times

Feature 6793: 6 times

Feature 1352: 5 times

Feature 2681: 5 times

Feature 4913: 5 times

Feature 6361: 5 times

Feature 730: 4 times

Feature 3255: 4 times

Feature 5507: 4 times

Feature 6930: 4 times

Feature 354: 3 times

Feature 379: 3 times

Feature 489: 3 times

Feature 523: 3 times

Feature 892: 3 times

Feature 956: 3 times

Feature 1224: 3 times

Feature 1844: 3 times

Feature 2049: 3 times

Feature 2658: 3 times

Feature 6102: 3 times

Feature 6765: 3 times

Feature 6914: 3 times

Feature 6927: 3 times

Feature 32: 2 times

Feature 352: 2 times

Feature 431: 2 times

Feature 481: 2 times

Feature 708: 2 times

Feature 791: 2 times

Feature 1248: 2 times

Feature 1405: 2 times

Feature 1950: 2 times

Feature 1978: 2 times

Feature 2016: 2 times

Feature 2112: 2 times

Feature 2657: 2 times

Feature 2850: 2 times

Feature 2901: 2 times

Feature 3061: 2 times

Feature 3179: 2 times

Feature 3330: 2 times

No. of Features: 100

A close-up of a computer code

Description automatically generated