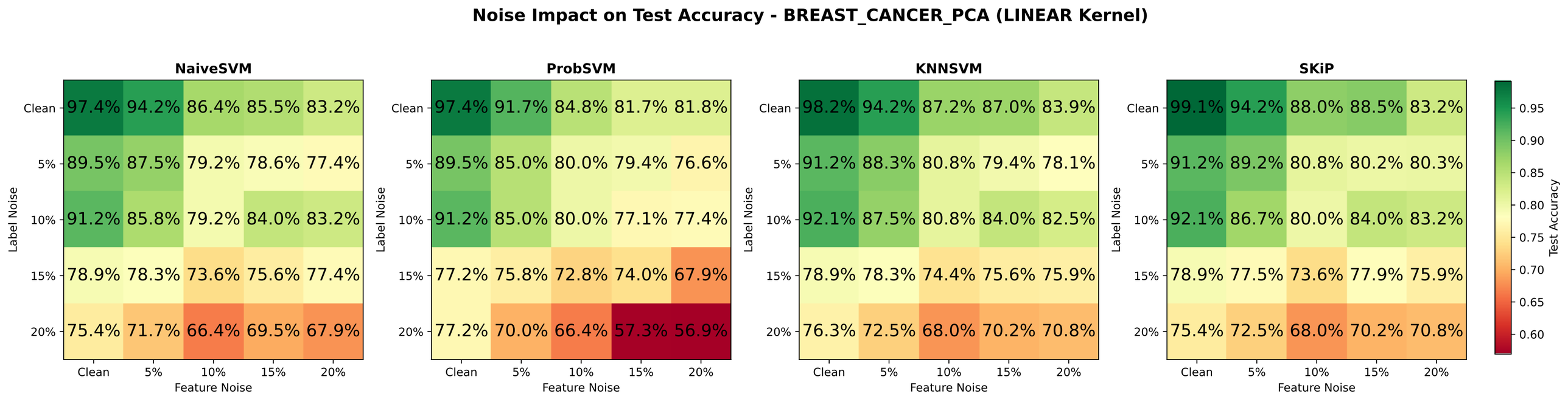
Noise Impact on Test Accuracy - BREAST_CANCER_PCA (LINEAR Kernel)
NaiveSVM
97.4% 94.2% 86.4% 85.5% 83.2%
89.5% 87.5% 79.2% 78.6% 77.4%
91.2% 85.8% 79.2% 84.0% 83.2%
78.9% 78.3% 73.6% 75.6% 77.4%
75.4% 71.7% 66.4% 69.5% 67.9%
ProbSVM
97.4% 91.7% 84.8% 81.7% 81.8%
89.5% 85.0% 80.0% 79.4% 76.6%
91.2% 85.0% 80.0% 77.1% 77.4%
77.2% 75.8% 72.8% 74.0% 67.9%
77.2% 70.0% 66.4% 57.3% 56.9%
KNNSVM
98.2% 94.2% 87.2% 87.0% 83.9%
91.2% 88.3% 80.8% 79.4% 78.1%
92.1% 87.5% 80.8% 84.0% 82.5%
78.9% 78.3% 74.4% 75.6% 75.9%
76.3% 72.5% 68.0% 70.2% 70.8%
SKiP
99.1% 94.2% 88.0% 88.5% 83.2%
91.2% 89.2% 80.8% 80.2% 80.3%
92.1% 86.7% 80.0% 84.0% 83.2%
78.9% 77.5% 73.6% 77.9% 75.9%
75.4% 72.5% 68.0% 70.2% 70.8%
Label Noise
Clean
5%
10%
15%
20%
Feature Noise
Clean
5%
10%
15%
20%
Test Accuracy
0.95
0.90
0.85
0.80
0.75
0.70
0.65
0.60