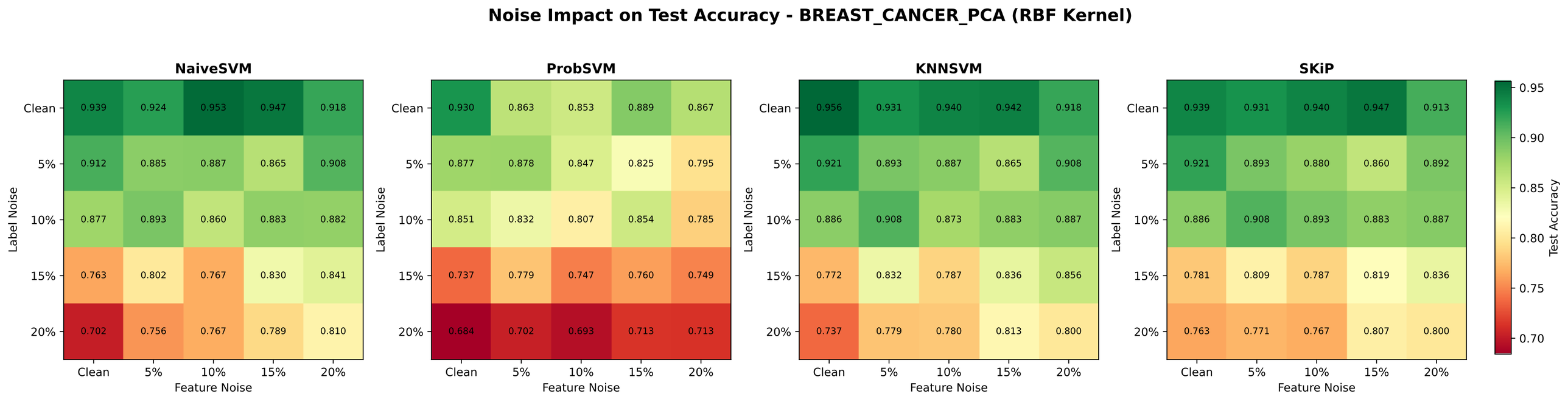
Noise Impact on Test Accuracy - BREAST_CANCER_PCA (RBF Kernel)
NaiveSVM
0.939 0.924 0.953 0.947 0.918
0.912 0.885 0.887 0.865 0.908
0.877 0.893 0.860 0.883 0.882
0.763 0.802 0.767 0.830 0.841
0.702 0.756 0.767 0.789 0.810
ProbSVM
0.930 0.863 0.853 0.889 0.867
0.877 0.878 0.847 0.825 0.795
0.851 0.832 0.807 0.854 0.785
0.737 0.779 0.747 0.760 0.749
0.684 0.702 0.693 0.713 0.713
KNNSVM
0.956 0.931 0.940 0.942 0.918
0.921 0.893 0.887 0.865 0.908
0.886 0.908 0.873 0.883 0.887
0.772 0.832 0.787 0.836 0.856
0.737 0.779 0.780 0.813 0.800
SKiP
0.939 0.931 0.940 0.947 0.913
0.921 0.893 0.880 0.860 0.892
0.886 0.908 0.893 0.883 0.887
0.781 0.809 0.787 0.819 0.836
0.763 0.771 0.767 0.807 0.800
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