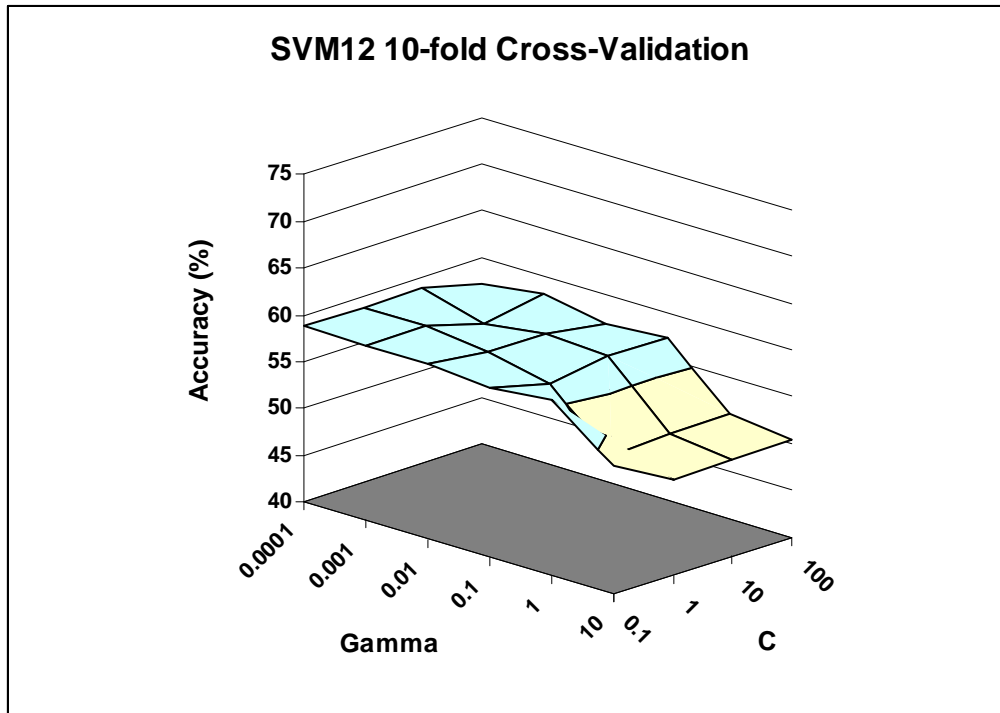
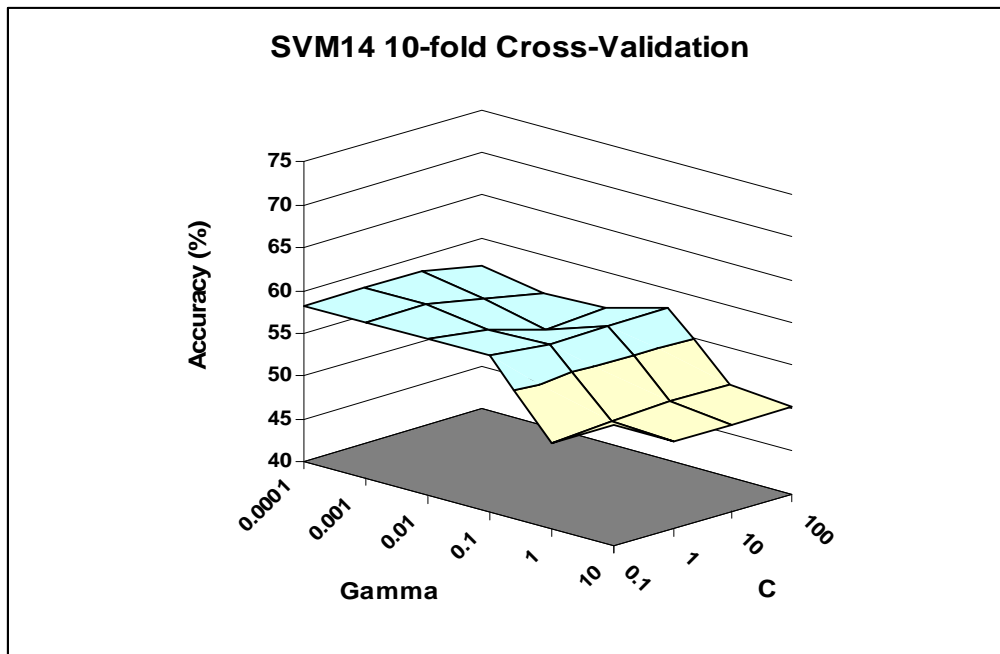


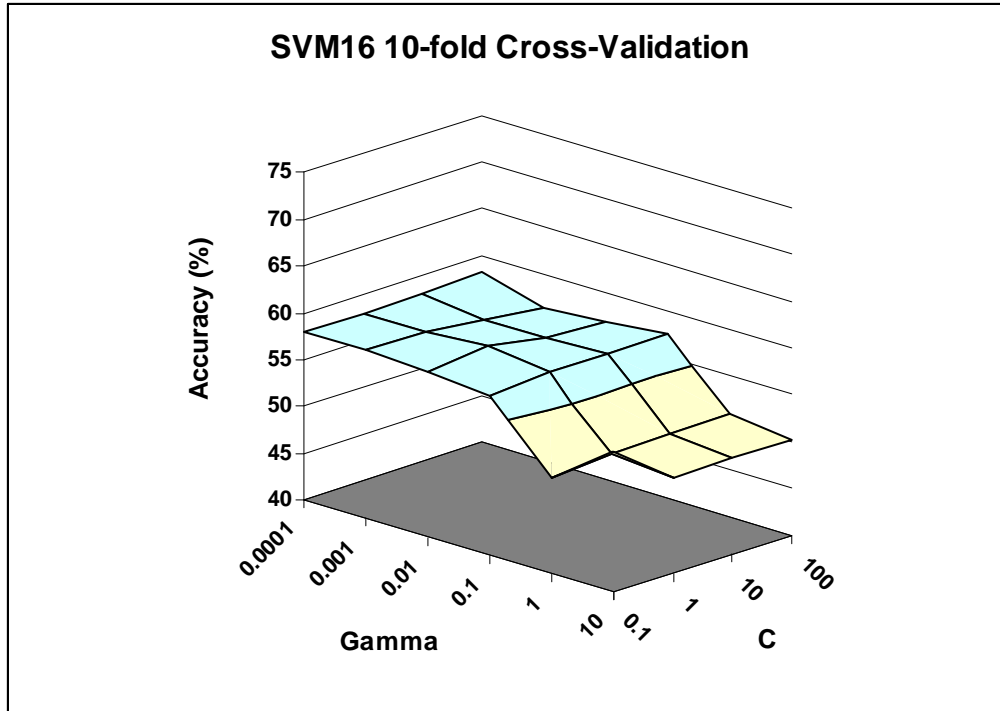
SVM parameter optimization: Training sets from EL-Manzalawy and Chen datasets were trained under 10-fold cross-validation using various C and γ values. Optimal set of C and γ values for each peptide representation is indicated below the plot.



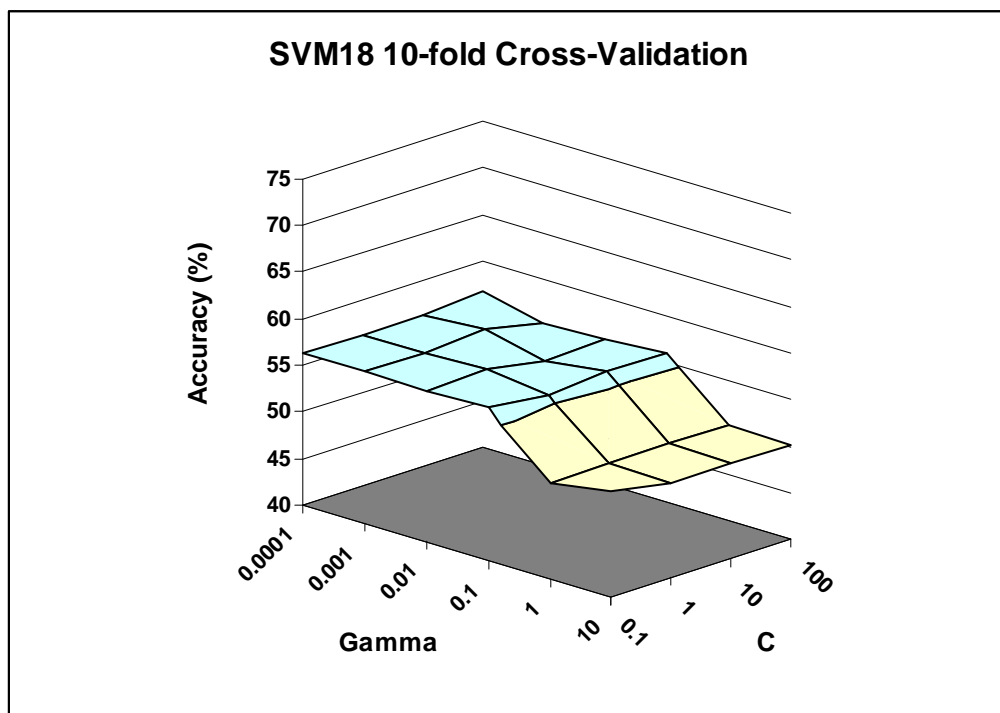
C=0.1 and γ =0.0001



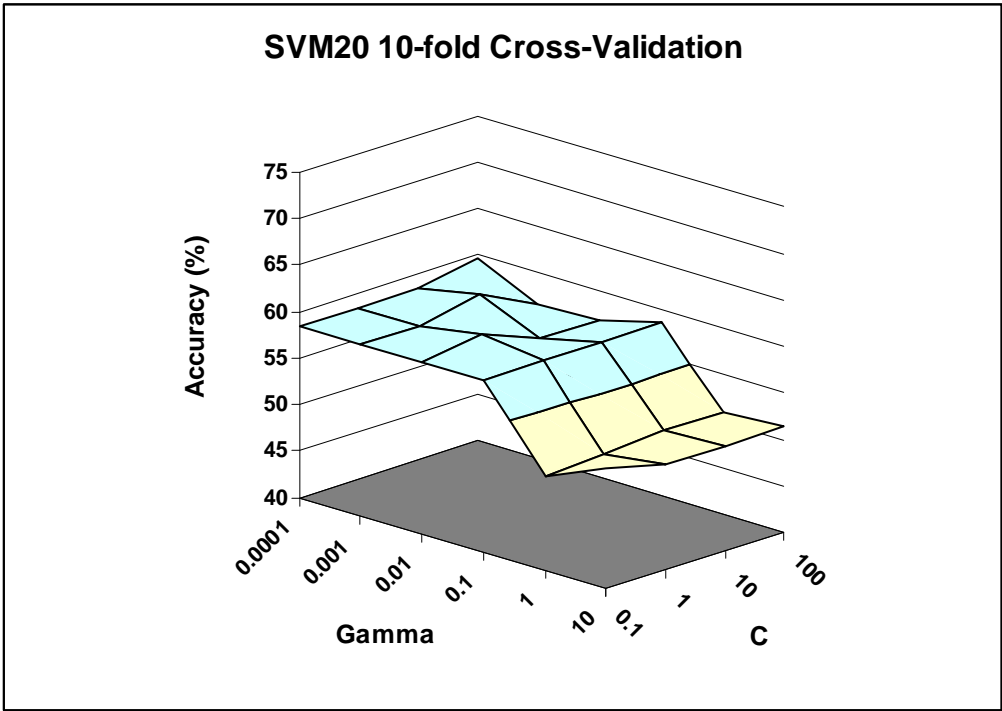
C=0.1 and γ =0.0001



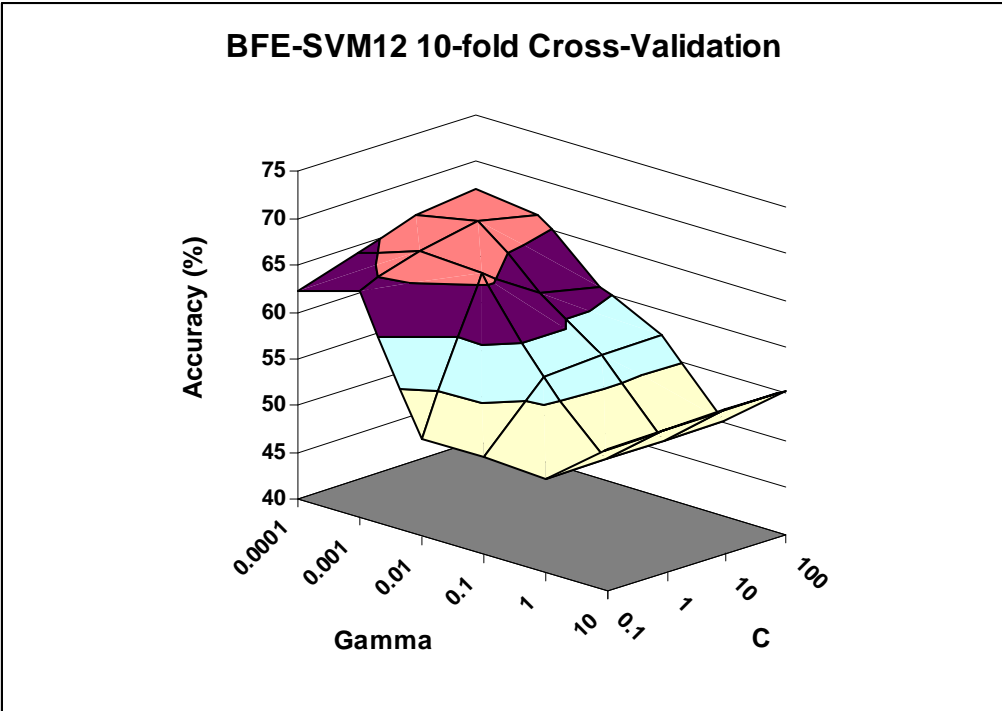
C=1 and $\gamma=0.01$



C=10 and $\gamma=0.001$

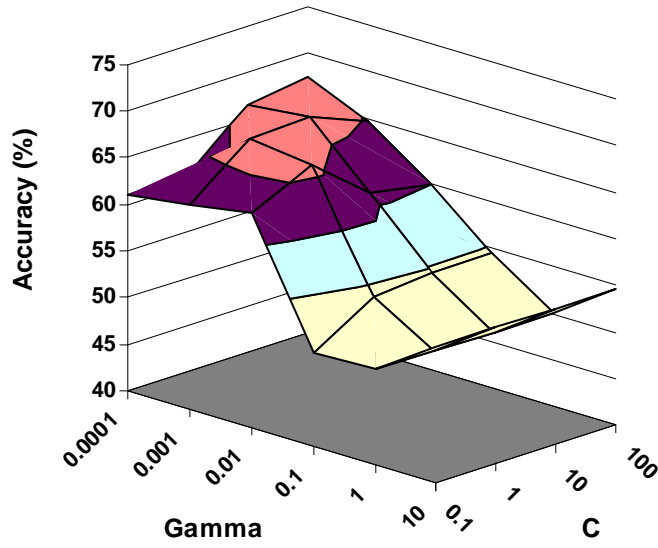


C=10 and $\gamma=0.001$



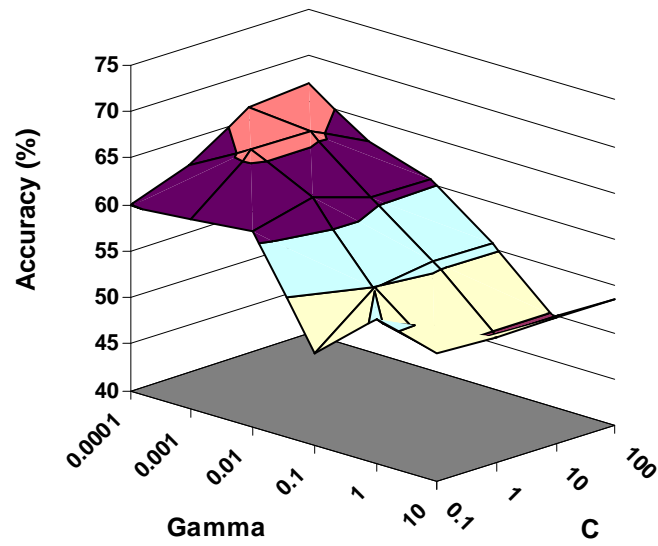
C=100 and $\gamma=0.0001$

BFESVM14 10-fold Cross-Validation



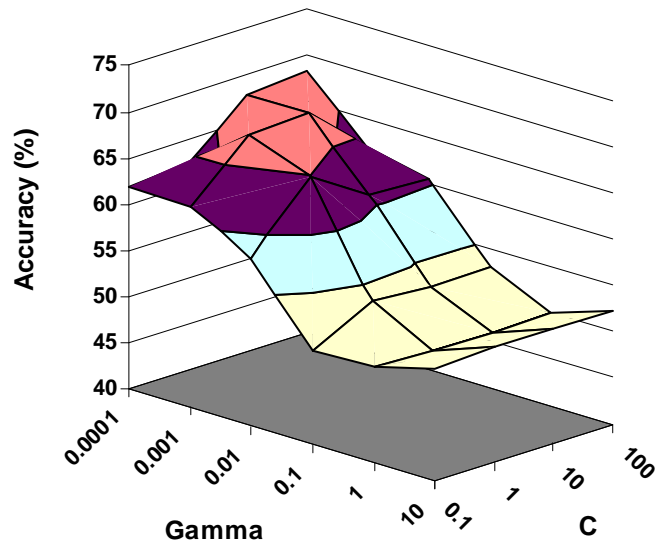
C=100 and $\gamma=0.0001$

BFESVM16 10-fold Cross-Validation



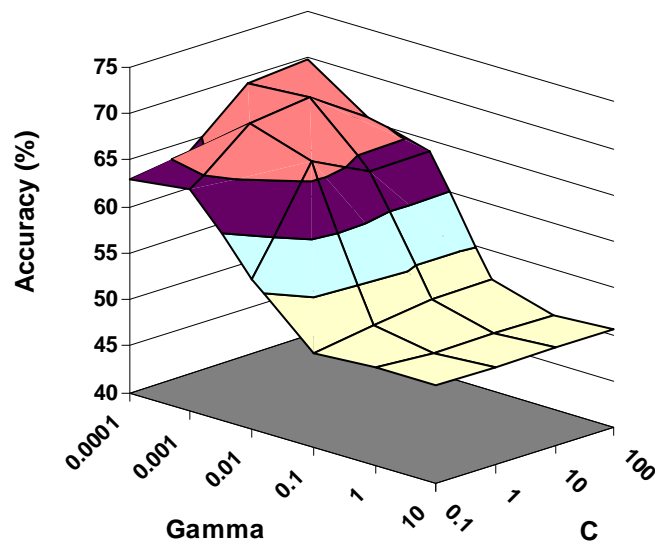
C=100 and $\gamma=0.0001$

BFESVM18 10-fold Cross-Validation



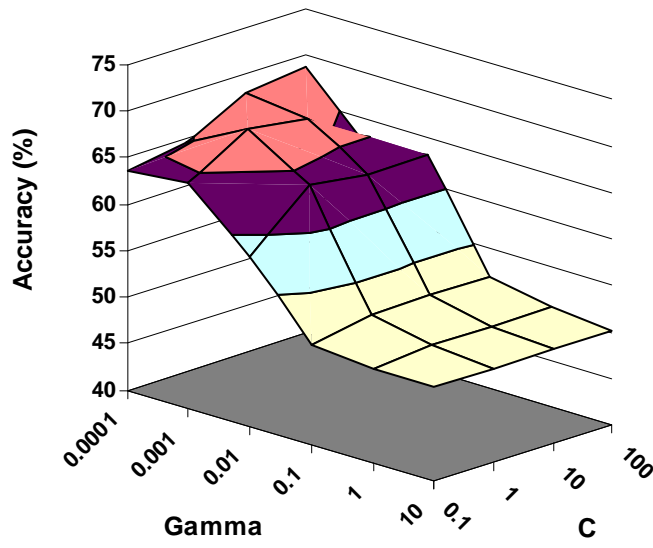
C=100 and $\gamma = 0.0001$

BFESVM20 10-fold Cross-Validation



C=100 and $\gamma = 0.0001$

BFE-Chen 10-fold Cross-Validation



C=100 and $\gamma = 0.0001$