Phase 1 results

Classifier	Parameters	Mean F1
KNeighborsClassifier	n_neighbors=1	0.14676116
KNeighborsClassifier	n_neighbors=3	0.07976078
KNeighborsClassifier	n_neighbors=5	0.039048693
SVC (Best result)	C = 1000000. kernel = linear	0.626287073

Phase 2 best results	
Best result for KNeighborsClassifier	
PCA parameters	n_components=64
KNeighborsClassifier parameters	n_neighbors=1
Mean F1	0.162520803

Best result for SVC	
PCA parameters	n_components=3000, random_state = 6925
SVC parameters	C = 1000, kernel = 'poly', degree = 15,gamma = 0.001, coef0 = 200
Mean F1	0.634924692