

## williams dataset

<b>Phase 1 results</b>		
<b>Classifier</b>	<b>Parameters</b>	<b>Mean F1</b>
KNeighborsClassifier	n_neighbors=1	0.2017543860
KNeighborsClassifier	n_neighbors=3	0.0000000000
KNeighborsClassifier	n_neighbors=5	0.0000000000
SVC (Best result)	C = 100, kernel = 'poly', degree = 3, coef0 = 2	0.5327635328
<b>Phase 2 best results</b>		
<b>Best result for KNeighborsClassifier</b>		
PCA parameters	n_components = 200	
KNeighborsClassifier parameters	n_neighbors = 1	
Mean F1		<b>0.2231545046</b>
<b>Best result for SVC</b>		
PCA parameters	n_components = 1000	
SVC parameters	C = 5, kernel = 'poly', degree = 9, coef0 = 100	
Mean F1		<b>0.5415491835</b>