Classifier	**KNeighborsClassifier**			
Parameters	n_neighbors=1			
	result1	result2	result3	Mean result
fit_time	9.25239635	9.57517409	9.35650802	9.394692818
score_time	1876.153841	1882.948023	1874.150189	1877.750684
test_f1	0.14364641	0.15432099	0.1	**0.132655799**
test_precision	0.14054054	0.17006803	0.111111	0.140573226
test_recall	0.14689266	0.14124294	0.09090909	0.126348228

Classifier	**KNeighborsClassifier**			
Parameters	n_neighbors=3			
	result1	result2	result3	Mean result
fit_time	9.36895394	9.34142351	9.30476785	9.338381767
score_time	1891.835037	1882.013438	1878.189981	1884.012819
test_f1	0.03791469	0.05970149	0.04854369	**0.048719958**
test_precision	0.11764706	0.25	0.16666667	0.178104575
test_recall	0.02259887	0.03389831	0.02840909	0.028302089

Classifier	**KNeighborsClassifier**			
Parameters	n_neighbors=5			
	result1	result2	result3	Mean result
fit_time	6.05281353	6.09672713	6.01990318	6.056481282
score_time	911.2682946	910.293869	907.62304	909.7284012
test_f1	0.02162162	0.02150538	0.01092896	**0.018018653**
test_precision	0.25	0.222222	0.14285714	0.205026455
test_recall	0.01129944	0.01129944	0.00568182	0.009426896

SVC classifier parameters that returned a mean zero f1

C	kernel	degree	gamma	coef0	Mean result
0.001	linear	N/A	N/A	0	0
1	poly	3	N/A	1	0
2	poly	3	N/A	1	0
3	poly	3	N/A	1	0
1	rbf	N/A	0.000884832	0	0
2	rbf	N/A	0.000884832	0	0

Best (in terms of mean F1) SVC result I got

Parameters	C=0.1	kernel=linear		
	result1	result2	result3	Mean result
fit_time	132.3463795	128.476789	139.3676639	133.3969441
score_time	135.2815151	129.5695479	139.0171642	134.6227424
test_f1	0.625	0.66025641	0.69349845	**0.659584954**
test_precision	0.7480315	0.76296296	0.76190476	0.757633073
test_recall	0.53672316	0.5819209	0.63636364	0.585002567

Gamma=(1/(X.shape[1]*X.std()))=0.0008848321288178395