

APPENDIX A. EXHAUSTIVE FEATURE SELECTION RESULT

A.1 Linear Kernel

D1, D2, D3, D4, and D5

	Accuracy	Precision	Recall
db1	0.99633	0.985714	0.985714
db2	0.998165	0.985915	1
db3	0.99633	0.985714	0.985714
db5	0.998165	0.985915	1
db9	0.998165	0.985915	1
db13	1	1	1
db19	0.998165	0.985915	1
coif1	0.998165	0.985915	1
coif2	0.998165	0.985915	1
coif3	0.998165	0.985915	1
coif4	0.998165	0.985915	1
coif5	0.998165	0.985915	1
sym2	0.998165	0.985915	1
sym3	0.992661	0.971429	0.971429
sym5	0.998165	0.985915	1
sym9	0.998165	0.985915	1
sym13	1	1	1
sym19	1	1	1
dmey	1	1	1

D2, D3, D4, and D5

	Accuracy	Precision	Recall
db1	0.99633	0.985714	0.985714
db2	1	1	1
db3	0.99633	0.985714	0.985714
db5	0.998165	0.985915	1
db9	0.998165	0.985915	1
db13	0.998165	0.985915	1
db19	1	1	1
coif1	1	1	1
coif2	0.998165	0.985915	1
coif3	0.998165	0.985915	1
coif4	0.998165	0.985915	1
coif5	0.998165	0.985915	1
sym2	1	1	1
sym3	0.99633	0.985714	0.985714
sym5	0.99633	0.972222	1
sym9	0.998165	0.985915	1
sym13	0.998165	0.985915	1
sym19	1	1	1
dmey	1	1	1

D1, D3, D4, and D5

	Accuracy	Precision	Recall
db1	0.992661	0.958333	0.985714
db2	0.998165	0.985915	1
db3	0.99633	0.985714	0.985714
db5	0.99633	0.972222	1
db9	0.998165	0.985915	1
db13	0.998165	0.985915	1
db19	1	1	1
coif1	0.998165	0.985915	1
coif2	0.998165	0.985915	1
coif3	0.998165	0.985915	1
coif4	0.998165	0.985915	1
coif5	0.998165	0.985915	1
sym2	0.998165	0.985915	1
sym3	0.99633	0.985714	0.985714
sym5	0.998165	0.985915	1
sym9	0.99633	0.972222	1
sym13	1	1	1
sym19	1	1	1
dmey	0.998165	0.985915	1

D1, D2, D4, and D5

	Accuracy	Precision	Recall
db1	0.99633	0.985714	0.985714
db2	1	1	1
db3	0.998165	1	0.985714
db5	1	1	1
db9	1	1	1
db13	1	1	1
db19	1	1	1
coif1	0.998165	1	0.985714
coif2	0.998165	1	0.985714
coif3	0.998165	0.985915	1
coif4	1	1	1
coif5	1	1	1
sym2	1	1	1
sym3	0.998165	1	0.985714
sym5	0.998165	0.985915	1
sym9	1	1	1
sym13	1	1	1
sym19	1	1	1
dmey	1	1	1

D1, D2, D3, and D5

	Accuracy	Precision	Recall
db1	0.99633	1	0.971429
db2	0.992661	0.971429	0.971429
db3	0.970642	0.909091	0.857143
db5	0.952294	0.94	0.671429
db9	0.981651	0.954545	0.9
db13	0.99633	0.985714	0.985714
db19	0.998165	1	0.985714
coif1	0.988991	0.970588	0.942857
coif2	0.955963	0.910714	0.728571
coif3	0.981651	0.954545	0.9
coif4	0.983486	0.955224	0.914286
coif5	0.99633	0.972222	1
sym2	0.992661	0.971429	0.971429
sym3	0.974312	0.9375	0.857143
sym5	0.954128	0.894737	0.728571
sym9	0.992661	0.971429	0.971429
sym13	0.992661	0.971429	0.971429
sym19	1	1	1
dmey	0.998165	1	0.985714

D1, D2, D3, and D4

	Accuracy	Precision	Recall
db1	0.99633	0.985714	0.985714
db2	0.99633	0.972222	1
db3	1	1	1
db5	0.998165	0.985915	1
db9	0.998165	0.985915	1
db13	0.998165	0.985915	1
db19	1	1	1
coif1	0.998165	0.985915	1
coif2	0.998165	0.985915	1
coif3	0.998165	0.985915	1
coif4	0.99633	0.972222	1
coif5	0.998165	0.985915	1
sym2	0.998165	0.985915	1
sym3	1	1	1
sym5	0.998165	0.985915	1
sym9	0.998165	0.985915	1
sym13	0.998165	0.985915	1
sym19	1	1	1
dmey	0.998165	0.985915	1

D1, D2, and D3

	Accuracy	Precision	Recall
db1	0.998165	1	0.985714
db2	0.970642	0.982143	0.785714
db3	0.966972	0.919355	0.814286
db5	0.941284	0.865385	0.642857
db9	0.895413	0.614035	0.5
db13	0.895413	0.606557	0.528571
db19	0.888073	0.595745	0.4
coif1	0.961468	0.945455	0.742857
coif2	0.952294	0.84375	0.771429
coif3	0.915596	0.75	0.514286
coif4	0.900917	0.642857	0.514286
coif5	0.913761	0.676923	0.628571
sym2	0.970642	0.982143	0.785714
sym3	0.966972	0.919355	0.814286
sym5	0.937615	0.846154	0.628571
sym9	0.924771	0.730159	0.657143
sym13	0.906422	0.666667	0.542857
sym19	0.878899	0.541667	0.371429
dmey	0.869725	0.486486	0.257143

D1, D2, and D4

	Accuracy	Precision	Recall
db1	0.99633	0.985714	0.985714
db2	1	1	1
db3	0.998165	1	0.985714
db5	1	1	1
db9	1	1	1
db13	1	1	1
db19	1	1	1
coif1	0.998165	1	0.985714
coif2	0.998165	1	0.985714
coif3	0.998165	0.985915	1
coif4	1	1	1
coif5	1	1	1
sym2	1	1	1
sym3	0.998165	1	0.985714
sym5	0.998165	0.985915	1
sym9	1	1	1
sym13	1	1	1
sym19	1	1	1
dmey	1	1	1

D1, D2, and D5

	Accuracy	Precision	Recall
db1	0.990826	0.971014	0.957143
db2	0.990826	0.971014	0.957143
db3	0.961468	0.962264	0.728571
db5	0.952294	0.907407	0.7
db9	0.974312	0.911765	0.885714
db13	0.992661	1	0.942857
db19	0.998165	0.985915	1
coif1	0.992661	0.971429	0.971429
coif2	0.957798	0.927273	0.728571
coif3	0.963303	0.878788	0.828571
coif4	0.976147	0.913043	0.9
coif5	0.983486	0.929577	0.942857
sym2	0.992661	0.971429	0.971429
sym3	0.961468	0.945455	0.742857
sym5	0.963303	0.916667	0.785714
sym9	0.979817	0.927536	0.914286
sym13	0.988991	0.957143	0.957143
sym19	1	1	1
dmey	1	1	1

D1, D3, and D4

	Accuracy	Precision	Recall
db1	0.998165	0.985915	1
db2	0.998165	0.985915	1
db3	0.998165	0.985915	1
db5	0.998165	0.985915	1
db9	0.998165	0.985915	1
db13	0.998165	0.985915	1
db19	0.99633	0.972222	1
coif1	0.998165	0.985915	1
coif2	0.998165	0.985915	1
coif3	0.998165	0.985915	1
coif4	0.998165	0.985915	1
coif5	0.998165	0.985915	1
sym2	0.998165	0.985915	1
sym3	0.998165	0.985915	1
sym5	0.998165	0.985915	1
sym9	0.998165	0.985915	1
sym13	0.998165	0.985915	1
sym19	0.998165	0.985915	1
dmey	0.987156	0.970149	0.928571

D1, D3, and D5

	Accuracy	Precision	Recall
db1	0.990826	0.957746	0.971429
db2	0.977982	0.926471	0.9
db3	0.93578	0.857143	0.6
db5	0.946789	0.901961	0.657143
db9	0.983486	0.955224	0.914286
db13	0.994495	0.985507	0.971429
db19	0.998165	1	0.985714
coif1	0.977982	0.939394	0.885714
coif2	0.93578	0.830189	0.628571
coif3	0.968807	0.920635	0.828571
coif4	0.988991	0.957143	0.957143
coif5	0.994495	0.971831	0.985714
sym2	0.981651	0.928571	0.928571
sym3	0.93578	0.857143	0.6
sym5	0.943119	0.867925	0.657143
sym9	0.992661	0.971429	0.971429
sym13	0.992661	0.971429	0.971429
sym19	1	1	1
dmey	0.998165	1	0.985714

D1, D4, and D5

	Accuracy	Precision	Recall
db1	0.965138	0.981132	0.742857
db2	0.924771	0.784314	0.571429
db3	0.977982	0.8625	0.985714
db5	0.992661	0.971429	0.971429
db9	0.987156	0.931507	0.971429
db13	0.976147	0.860759	0.971429
db19	0.992661	0.985294	0.957143
coif1	0.93578	0.807018	0.657143
coif2	0.987156	0.943662	0.957143
coif3	0.988991	0.932432	0.985714
coif4	0.987156	0.931507	0.971429
coif5	0.976147	0.860759	0.971429
sym2	0.921101	0.77551	0.542857
sym3	0.977982	0.8625	0.985714
sym5	0.990826	0.957746	0.971429
sym9	0.977982	0.871795	0.971429
sym13	0.979817	0.864198	1
sym19	0.998165	1	0.985714
dmey	1	1	1

D2, D3, and D4

	Accuracy	Precision	Recall
db1	0.99633	0.985714	0.985714
db2	1	1	1
db3	1	1	1
db5	0.998165	0.985915	1
db9	0.998165	0.985915	1
db13	0.998165	0.985915	1
db19	1	1	1
coif1	1	1	1
coif2	0.998165	0.985915	1
coif3	0.998165	0.985915	1
coif4	0.998165	0.985915	1
coif5	0.998165	0.985915	1
sym2	1	1	1
sym3	1	1	1
sym5	0.998165	0.985915	1
sym9	0.998165	0.985915	1
sym13	0.998165	0.985915	1
sym19	1	1	1
dmey	0.992661	0.971429	0.971429

D2, D3, and D5

	Accuracy	Precision	Recall
db1	0.992661	0.971429	0.971429
db2	0.992661	0.971429	0.971429
db3	0.955963	0.859375	0.785714
db5	0.950459	0.90566	0.685714
db9	0.972477	0.923077	0.857143
db13	0.985321	0.942857	0.942857
db19	0.994495	0.971831	0.985714
coif1	0.992661	0.971429	0.971429
coif2	0.954128	0.909091	0.714286
coif3	0.955963	0.883333	0.757143
coif4	0.965138	0.904762	0.814286
coif5	0.988991	0.957143	0.957143
sym2	0.990826	0.957746	0.971429
sym3	0.959633	0.875	0.8
sym5	0.957798	0.885246	0.771429
sym9	0.983486	0.929577	0.942857
sym13	0.987156	0.956522	0.942857
sym19	0.992661	0.971429	0.971429
dmey	0.994495	0.971831	0.985714

D2, D4, and D5

	Accuracy	Precision	Recall
db1	0.99633	0.985714	0.985714
db2	0.998165	1	0.985714
db3	0.998165	1	0.985714
db5	1	1	1
db9	1	1	1
db13	1	1	1
db19	1	1	1
coif1	0.99633	1	0.971429
coif2	0.998165	1	0.985714
coif3	0.998165	1	0.985714
coif4	1	1	1
coif5	1	1	1
sym2	0.998165	1	0.985714
sym3	0.998165	1	0.985714
sym5	0.998165	0.985915	1
sym9	1	1	1
sym13	1	1	1
sym19	1	1	1
dmey	0.99633	0.972222	1

D3, D4, and D5

	Accuracy	Precision	Recall
db1	0.990826	0.945205	0.985714
db2	0.998165	0.985915	1
db3	0.998165	0.985915	1
db5	0.998165	0.985915	1
db9	0.998165	0.985915	1
db13	0.99633	0.972222	1
db19	0.998165	0.985915	1
coif1	0.998165	0.985915	1
coif2	0.998165	0.985915	1
coif3	0.998165	0.985915	1
coif4	0.99633	0.972222	1
coif5	0.998165	0.985915	1
sym2	0.998165	0.985915	1
sym3	0.99633	0.972222	1
sym5	1	1	1
sym9	0.99633	0.972222	1
sym13	0.99633	0.972222	1
sym19	0.99633	0.972222	1
dmey	1	1	1

D1, and D2

	Accuracy	Precision	Recall
db1	0.87156	NaN	0
db2	0.87156	NaN	0
db3	0.87156	NaN	0
db5	0.87156	NaN	0
db9	0.87156	NaN	0
db13	0.87156	NaN	0
db19	0.87156	NaN	0
coif1	0.87156	NaN	0
coif2	0.87156	NaN	0
coif3	0.87156	NaN	0
coif4	0.87156	NaN	0
coif5	0.87156	NaN	0
sym2	0.87156	NaN	0
sym3	0.87156	NaN	0
sym5	0.87156	NaN	0
sym9	0.87156	NaN	0
sym13	0.87156	NaN	0
sym19	0.87156	NaN	0
dmey	0.87156	NaN	0

D1, and D3

	Accuracy	Precision	Recall
db1	0.99633	0.985714	0.985714
db2	0.968807	0.964912	0.785714
db3	0.966972	0.919355	0.814286
db5	0.92844	0.754098	0.657143
db9	0.900917	0.648148	0.5
db13	0.904587	0.655172	0.542857
db19	0.888073	0.6	0.385714
coif1	0.963303	0.980769	0.728571
coif2	0.955963	0.870968	0.771429
coif3	0.906422	0.672727	0.528571
coif4	0.899083	0.636364	0.5
coif5	0.913761	0.676923	0.628571
sym2	0.970642	0.982143	0.785714
sym3	0.966972	0.919355	0.814286
sym5	0.933945	0.814815	0.628571
sym9	0.930275	0.766667	0.657143
sym13	0.899083	0.627119	0.528571
sym19	0.893578	0.630435	0.414286
dmey	0.86422	0.45	0.257143

D1, and D4

	Accuracy	Precision	Recall
db1	0.99633	0.985714	0.985714
db2	1	1	1
db3	1	1	1
db5	0.998165	0.985915	1
db9	0.998165	0.985915	1
db13	0.998165	0.985915	1
db19	1	1	1
coif1	0.998165	0.985915	1
coif2	0.998165	0.985915	1
coif3	0.998165	0.985915	1
coif4	0.998165	0.985915	1
coif5	0.998165	0.985915	1
sym2	0.998165	0.985915	1
sym3	0.998165	0.985915	1
sym5	0.998165	0.985915	1
sym9	0.998165	0.985915	1
sym13	0.998165	0.985915	1
sym19	1	1	1
dmey	0.998165	0.985915	1

D1, and D5

	Accuracy	Precision	Recall
db1	0.99633	0.985714	0.985714
db2	0.998165	0.985915	1
db3	0.99633	0.985714	0.985714
db5	0.998165	0.985915	1
db9	0.998165	0.985915	1
db13	1	1	1
db19	1	1	1
coif1	0.99633	0.972222	1
coif2	0.998165	0.985915	1
coif3	0.998165	0.985915	1
coif4	0.998165	0.985915	1
coif5	1	1	1
sym2	0.998165	0.985915	1
sym3	0.994495	0.971831	0.985714
sym5	0.998165	0.985915	1
sym9	0.998165	0.985915	1
sym13	1	1	1
sym19	1	1	1
dmey	1	1	1

D2, and D3

	Accuracy	Precision	Recall
db1	0.998165	1	0.985714
db2	0.961468	0.962264	0.728571
db3	0.948624	0.808824	0.785714
db5	0.941284	0.865385	0.642857
db9	0.897248	0.64	0.457143
db13	0.891743	0.622222	0.4
db19	0.884404	0.612903	0.271429
coif1	0.943119	0.897959	0.628571
coif2	0.948624	0.808824	0.785714
coif3	0.924771	0.822222	0.528571
coif4	0.906422	0.711111	0.457143
coif5	0.922936	0.741379	0.614286
sym2	0.959633	0.928571	0.742857
sym3	0.944954	0.785714	0.785714
sym5	0.944954	0.884615	0.657143
sym9	0.93578	0.79661	0.671429
sym13	0.897248	0.659091	0.414286
sym19	0.882569	0.59375	0.271429
dmey	0.86055	0.285714	0.057143

D2, and D4

	Accuracy	Precision	Recall
db1	0.99633	0.985714	0.985714
db2	1	1	1
db3	1	1	1
db5	0.998165	0.985915	1
db9	0.998165	0.985915	1
db13	0.998165	0.985915	1
db19	1	1	1
coif1	1	1	1
coif2	0.998165	0.985915	1
coif3	0.998165	0.985915	1
coif4	0.998165	0.985915	1
coif5	0.998165	0.985915	1
sym2	1	1	1
sym3	1	1	1
sym5	0.998165	0.985915	1
sym9	0.998165	0.985915	1
sym13	0.998165	0.985915	1
sym19	1	1	1
dmey	0.992661	0.971429	0.971429

D2, and D5

	Accuracy	Precision	Recall
db1	0.99633	0.985714	0.985714
db2	1	1	1
db3	0.99633	0.985714	0.985714
db5	0.998165	0.985915	1
db9	0.99633	0.972222	1
db13	0.998165	0.985915	1
db19	1	1	1
coif1	1	1	1
coif2	0.998165	0.985915	1
coif3	0.998165	0.985915	1
coif4	0.998165	0.985915	1
coif5	0.998165	0.985915	1
sym2	1	1	1
sym3	0.99633	0.985714	0.985714
sym5	0.998165	0.985915	1
sym9	0.998165	0.985915	1
sym13	1	1	1
sym19	1	1	1
dmey	1	1	1

D3, and D4

	Accuracy	Precision	Recall
db1	0.99633	0.985714	0.985714
db2	0.998165	0.985915	1
db3	0.998165	0.985915	1
db5	0.998165	0.985915	1
db9	0.99633	0.985714	0.985714
db13	0.99633	0.985714	0.985714
db19	0.998165	0.985915	1
coif1	0.998165	0.985915	1
coif2	0.998165	0.985915	1
coif3	0.998165	0.985915	1
coif4	0.998165	0.985915	1
coif5	0.998165	0.985915	1
sym2	0.998165	0.985915	1
sym3	0.998165	0.985915	1
sym5	0.99633	0.985714	0.985714
sym9	0.998165	0.985915	1
sym13	0.998165	0.985915	1
sym19	0.99633	0.985714	0.985714
dmey	0.983486	0.955224	0.914286

D3, and D5

	Accuracy	Precision	Recall
db1	0.994495	0.971831	0.985714
db2	0.998165	0.985915	1
db3	0.998165	0.985915	1
db5	0.998165	0.985915	1
db9	0.99633	0.972222	1
db13	0.998165	0.985915	1
db19	0.998165	0.985915	1
coif1	0.998165	0.985915	1
coif2	0.998165	0.985915	1
coif3	0.998165	0.985915	1
coif4	0.998165	0.985915	1
coif5	0.998165	0.985915	1
sym2	1	1	1
sym3	0.998165	0.985915	1
sym5	1	1	1
sym9	0.998165	0.985915	1
sym13	0.998165	0.985915	1
sym19	0.998165	0.985915	1
dmey	1	1	1

D4, and D5

	Accuracy	Precision	Recall
db1	0.922936	1	0.4
db2	0.922936	1	0.4
db3	0.922936	1	0.4
db5	0.922936	1	0.4
db9	0.915596	0.852941	0.414286
db13	0.911927	0.75	0.471429
db19	0.924771	0.784314	0.571429
coif1	0.922936	1	0.4
coif2	0.922936	1	0.4
coif3	0.922936	1	0.4
coif4	0.922936	0.966667	0.414286
coif5	0.915596	0.833333	0.428571
sym2	0.922936	1	0.4
sym3	0.922936	1	0.4
sym5	0.922936	1	0.4
sym9	0.917431	0.857143	0.428571
sym13	0.921101	0.787234	0.528571
sym19	0.93211	0.8	0.628571
dmey	0.954128	0.835821	0.8

A.2 Linear Kernel with Semi-Quadratic Feature Set

D1, and D2

	Accuracy	Precision	Recall
db1	0.87156	NaN	0
db2	0.87156	NaN	0
db3	0.87156	NaN	0
db5	0.87156	NaN	0
db9	0.87156	NaN	0
db13	0.87156	NaN	0
db19	0.87156	NaN	0
coif1	0.87156	NaN	0
coif2	0.87156	NaN	0
coif3	0.87156	NaN	0
coif4	0.87156	NaN	0
coif5	0.87156	NaN	0
sym2	0.87156	NaN	0
sym3	0.87156	NaN	0
sym5	0.87156	NaN	0
sym9	0.87156	NaN	0
sym13	0.87156	NaN	0
sym19	0.87156	NaN	0
dmey	0.87156	NaN	0

D1, and D3

	Accuracy	Precision	Recall
db1	0.987156	0.943662	0.957143
db2	0.893578	0.607143	0.485714
db3	0.913761	0.671642	0.642857
db5	0.917431	0.681159	0.671429
db9	0.921101	0.695652	0.685714
db13	0.919266	0.703125	0.642857
db19	0.919266	0.703125	0.642857
coif1	0.897248	0.62069	0.514286
coif2	0.917431	0.681159	0.671429
coif3	0.919266	0.685714	0.685714
coif4	0.919266	0.691176	0.671429
coif5	0.915596	0.676471	0.657143
sym2	0.895413	0.614035	0.5
sym3	0.915596	0.676471	0.657143
sym5	0.919266	0.685714	0.685714
sym9	0.915596	0.681818	0.642857
sym13	0.919266	0.685714	0.685714
sym19	0.922936	0.71875	0.657143
dmey	0.922936	0.725806	0.642857

D1, and D4

	Accuracy	Precision	Recall
db1	0.990826	0.971014	0.957143
db2	0.977982	0.8625	0.985714
db3	0.979817	0.864198	1
db5	0.99633	1	0.971429
db9	0.992661	0.958333	0.985714
db13	0.985321	0.930556	0.957143
db19	0.979817	0.864198	1
coif1	0.977982	0.8625	0.985714
coif2	0.994495	0.985507	0.971429
coif3	0.99633	0.985714	0.985714
coif4	0.992661	0.958333	0.985714
coif5	0.987156	0.931507	0.971429
sym2	0.977982	0.8625	0.985714
sym3	0.979817	0.864198	1
sym5	0.994495	0.985507	0.971429
sym9	0.992661	0.958333	0.985714
sym13	0.983486	0.906667	0.971429
sym19	0.979817	0.864198	1
dmey	0.979817	0.864198	1

D1, and D5

	Accuracy	Precision	Recall
db1	0.987156	0.943662	0.957143
db2	0.966972	0.861111	0.885714
db3	0.976147	0.860759	0.971429
db5	0.977982	0.8625	0.985714
db9	0.987156	0.92	0.985714
db13	0.994495	0.971831	0.985714
db19	1	1	1
coif1	0.972477	0.857143	0.942857
coif2	0.979817	0.864198	1
coif3	0.979817	0.864198	1
coif4	0.985321	0.897436	1
coif5	0.994495	0.958904	1
sym2	0.970642	0.855263	0.928571
sym3	0.979817	0.864198	1
sym5	0.977982	0.8625	0.985714
sym9	0.987156	0.92	0.985714
sym13	0.998165	1	0.985714
sym19	1	1	1
dmey	1	1	1

D2, and D3

	Accuracy	Precision	Recall
db1	1	1	1
db2	1	1	1
db3	0.998165	0.985915	1
db5	0.998165	0.985915	1
db9	0.987156	0.909091	1
db13	0.981651	0.916667	0.942857
db19	0.976147	0.88	0.942857
coif1	1	1	1
coif2	0.994495	0.971831	0.985714
coif3	0.985321	0.907895	0.985714
coif4	0.985321	0.907895	0.985714
coif5	0.988991	0.921053	1
sym2	1	1	1
sym3	0.998165	0.985915	1
sym5	0.994495	0.958904	1
sym9	0.990826	0.933333	1
sym13	0.983486	0.896104	0.985714
sym19	0.977982	0.891892	0.942857
dmey	0.954128	0.846154	0.785714

D2, and D4

	Accuracy	Precision	Recall
db1	0.998165	1	0.985714
db2	1	1	1
db3	1	1	1
db5	1	1	1
db9	1	1	1
db13	1	1	1
db19	1	1	1
coif1	1	1	1
coif2	1	1	1
coif3	1	1	1
coif4	1	1	1
coif5	1	1	1
sym2	1	1	1
sym3	1	1	1
sym5	1	1	1
sym9	1	1	1
sym13	1	1	1
sym19	1	1	1
dmey	0.998165	0.985915	1

D2, and D5

	Accuracy	Precision	Recall
db1	0.99633	1	0.971429
db2	0.998165	1	0.985714
db3	0.994495	1	0.957143
db5	0.994495	0.971831	0.985714
db9	0.992661	0.971429	0.971429
db13	0.994495	0.971831	0.985714
db19	0.994495	0.971831	0.985714
coif1	0.998165	1	0.985714
coif2	0.994495	0.985507	0.971429
coif3	0.994495	0.971831	0.985714
coif4	0.994495	0.971831	0.985714
coif5	0.998165	0.985915	1
sym2	0.998165	1	0.985714
sym3	0.99633	1	0.971429
sym5	0.994495	0.971831	0.985714
sym9	0.998165	0.985915	1
sym13	0.992661	0.971429	0.971429
sym19	0.994495	0.971831	0.985714
dmey	0.992661	0.971429	0.971429

D3, and D4

	Accuracy	Precision	Recall
db1	0.998165	1	0.985714
db2	1	1	1
db3	1	1	1
db5	1	1	1
db9	1	1	1
db13	1	1	1
db19	1	1	1
coif1	1	1	1
coif2	1	1	1
coif3	1	1	1
coif4	1	1	1
coif5	1	1	1
sym2	1	1	1
sym3	1	1	1
sym5	1	1	1
sym9	1	1	1
sym13	1	1	1
sym19	1	1	1
dmey	0.994495	0.971831	0.985714

D3, and D5

	Accuracy	Precision	Recall
db1	0.979817	0.90411	0.942857
db2	0.994495	0.971831	0.985714
db3	0.99633	1	0.971429
db5	0.994495	0.985507	0.971429
db9	0.99633	0.985714	0.985714
db13	0.99633	0.985714	0.985714
db19	0.998165	0.985915	1
coif1	0.990826	0.957746	0.971429
coif2	0.998165	1	0.985714
coif3	0.99633	0.985714	0.985714
coif4	0.994495	0.985507	0.971429
coif5	0.998165	0.985915	1
sym2	0.994495	0.971831	0.985714
sym3	0.99633	1	0.971429
sym5	0.994495	0.985507	0.971429
sym9	0.998165	0.985915	1
sym13	0.99633	0.972222	1
sym19	0.998165	0.985915	1
dmey	0.998165	0.985915	1

D4, and D5

	Accuracy	Precision	Recall
db1	0.146789	0.092784	0.642857
db2	0.27156	0.137472	0.885714
db3	0.212844	0.098434	0.628571
db5	0.915596	0.875	0.4
db9	0.904587	0.618421	0.671429
db13	0.924771	0.784314	0.571429
db19	0.930275	0.796296	0.614286
coif1	0.227523	0.132075	0.9
coif2	0.695413	0.217647	0.528571
coif3	0.922936	0.888889	0.457143
coif4	0.845872	0.416667	0.5
coif5	0.917431	0.790698	0.485714
sym2	0.277064	0.131818	0.828571
sym3	0.159633	0.104082	0.728571
sym5	0.836697	0.382716	0.442857
sym9	0.891743	0.577465	0.585714
sym13	0.919266	0.782609	0.514286
sym19	0.933945	0.803571	0.642857
dmey	0.944954	0.822581	0.728571

A.3 2nd-Order Polynomial Kernel

D1, D2, D3, D4, and D5

	Accuracy	Precision	Recall
db1	0.201835	0.1174	0.8
db2	1	1	1
db3	0.79633	0.081633	0.057143
db5	0.884404	1	0.1
db9	0.897248	1	0.2
db13	0.985321	1	0.885714
db19	0.985321	1	0.885714
coif1	0.86055	0.476563	0.871429
coif2	0.8	0.102041	0.071429
coif3	0.811009	0.220339	0.185714
coif4	0.884404	1	0.1
coif5	0.987156	1	0.9
sym2	1	1	1
sym3	0.80367	0.106383	0.071429
sym5	0.897248	1	0.2
sym9	0.884404	1	0.1
sym13	0.900917	0.575472	0.871429
sym19	0.983486	0.984127	0.885714
dmey	0.893578	0.555556	0.857143

D2, D3, D4, and D5

	Accuracy	Precision	Recall
db1	0.682569	0.258216	0.785714
db2	0.987156	1	0.9
db3	0.577982	0.222222	0.914286
db5	0.998165	0.985915	1
db9	0.998165	1	0.985714
db13	1	1	1
db19	0.910092	0.59292	0.957143
coif1	0.87156		0
coif2	0.943119	0.693069	1
coif3	0.862385	0.48227	0.971429
coif4	0.99633	0.972222	1
coif5	0.92844	0.647619	0.971429
sym2	0.974312	1	0.8
sym3	0.590826	0.227758	0.914286
sym5	0.592661	0.236111	0.971429
sym9	0.994495	0.971831	0.985714
sym13	0.998165	0.985915	1
sym19	0.998165	0.985915	1
dmey	0.99633	0.985714	0.985714

D1, D3, D4, and D5

	Accuracy	Precision	Recall
db1	0.282569	0.115108	0.685714
db2	0.697248	0.253886	0.7
db3	0.438532	0.15896	0.785714
db5	0.504587	0.061404	0.2
db9	0.985321	1	0.885714
db13	0.987156	1	0.9
db19	0.998165	1	0.985714
coif1	0.829358	0.265306	0.185714
coif2	0.46789	0.112676	0.457143
coif3	0.87156		0
coif4	0.884404	1	0.1
coif5	0.987156	1	0.9
sym2	0.662385	0.233645	0.714286
sym3	0.497248	0.18323	0.842857
sym5	0.87156		0
sym9	0.998165	1	0.985714
sym13	0.985321	0.984375	0.9
sym19	0.99633	0.985714	0.985714
dmey	0.99633	0.985714	0.985714

D1, D2, D4, and D5

	Accuracy	Precision	Recall
db1	0.998165	1	0.985714
db2	0.557798	0.186813	0.728571
db3	0.207339	0.114894	0.771429
db5	0.187156	0.112266	0.771429
db9	0.13578	0.10297	0.742857
db13	0.216514	0.121019	0.814286
db19	0.222018	0.137295	0.957143
coif1	0.79633	0.113208	0.085714
coif2	0.141284	0.11284	0.828571
coif3	0.146789	0.09776	0.685714
coif4	0.157798	0.123791	0.914286
coif5	0.155963	0.117647	0.857143
sym2	0.482569	0.178788	0.842857
sym3	0.205505	0.116279	0.785714
sym5	0.165138	0.118812	0.857143
sym9	0.165138	0.117296	0.842857
sym13	0.220183	0.127883	0.871429
sym19	0.122936	0.122222	0.942857
dmey	0.201835	0.122153	0.842857

D1, D2, D3, and D5

	Accuracy	Precision	Recall
db1	0.581651	0.075269	0.2
db2	0.812844	0.055556	0.028571
db3	0.398165	0.106707	0.5
db5	0.365138	0.094118	0.457143
db9	0.187156	0.121704	0.857143
db13	0.27156	0.130926	0.828571
db19	0.209174	0.110151	0.728571
coif1	0.805505	0.05	0.028571
coif2	0.390826	0.10061	0.471429
coif3	0.299083	0.082888	0.442857
coif4	0.233028	0.099078	0.614286
coif5	0.187156	0.097192	0.642857
sym2	0.823853	0.09375	0.042857
sym3	0.497248	0.125	0.485714
sym5	0.185321	0.12749	0.914286
sym9	0.475229	0.158228	0.714286
sym13	0.282569	0.14094	0.9
sym19	0.302752	0.098446	0.542857
dmey	0.181651	0.1	0.671429

D1, D2, D3, and D4

	Accuracy	Precision	Recall
db1	0.99633	0.985714	0.985714
db2	0.998165	0.985915	1
db3	0.998165	0.985915	1
db5	0.998165	0.985915	1
db9	0.998165	0.985915	1
db13	0.998165	0.985915	1
db19	0.998165	0.985915	1
coif1	0.998165	0.985915	1
coif2	0.998165	0.985915	1
coif3	0.998165	0.985915	1
coif4	0.998165	0.985915	1
coif5	0.998165	0.985915	1
sym2	0.998165	0.985915	1
sym3	0.998165	0.985915	1
sym5	0.998165	0.985915	1
sym9	0.998165	0.985915	1
sym13	0.998165	0.985915	1
sym19	0.998165	0.985915	1
dmey	0.998165	0.985915	1

D1, D2, and D3

	Accuracy	Precision	Recall
db1	0.998165	1	0.985714
db2	1	1	1
db3	1	1	1
db5	0.998165	0.985915	1
db9	0.990826	0.933333	1
db13	0.988991	0.932432	0.985714
db19	0.987156	0.92	0.985714
coif1	1	1	1
coif2	0.99633	0.972222	1
coif3	0.990826	0.933333	1
coif4	0.992661	0.945946	1
coif5	0.990826	0.933333	1
sym2	1	1	1
sym3	0.998165	1	0.985714
sym5	0.99633	0.972222	1
sym9	0.992661	0.945946	1
sym13	0.988991	0.932432	0.985714
sym19	0.987156	0.92	0.985714
dmey	0.979817	0.90411	0.942857

D1, D2, and D4

	Accuracy	Precision	Recall
db1	0.99633	0.985714	0.985714
db2	1	1	1
db3	1	1	1
db5	1	1	1
db9	1	1	1
db13	1	1	1
db19	1	1	1
coif1	1	1	1
coif2	1	1	1
coif3	1	1	1
coif4	1	1	1
coif5	1	1	1
sym2	1	1	1
sym3	1	1	1
sym5	1	1	1
sym9	1	1	1
sym13	1	1	1
sym19	0.998165	0.985915	1
dmey	0.99633	0.985714	0.985714

D1, D2, and D5

	Accuracy	Precision	Recall
db1	0.2	0.11875	0.814286
db2	0.256881	0.100239	0.6
db3	0.181651	0.124	0.885714
db5	0.190826	0.123732	0.871429
db9	0.181651	0.124	0.885714
db13	0.174312	0.118474	0.842857
db19	0.161468	0.124272	0.914286
coif1	0.277064	0.100985	0.585714
coif2	0.249541	0.130719	0.857143
coif3	0.168807	0.120792	0.871429
coif4	0.179817	0.123752	0.885714
coif5	0.176147	0.12326	0.885714
sym2	0.266055	0.097561	0.571429
sym3	0.177982	0.123506	0.885714
sym5	0.183486	0.124248	0.885714
sym9	0.185321	0.12749	0.914286
sym13	0.183486	0.122736	0.871429
sym19	0.181651	0.125498	0.9
dmey	0.174312	0.123016	0.885714

D1, D3, and D4

	Accuracy	Precision	Recall
db1	0.99633	0.985714	0.985714
db2	0.998165	0.985915	1
db3	0.998165	0.985915	1
db5	0.998165	0.985915	1
db9	0.998165	0.985915	1
db13	0.998165	0.985915	1
db19	0.998165	0.985915	1
coif1	0.998165	0.985915	1
coif2	0.998165	0.985915	1
coif3	0.998165	0.985915	1
coif4	0.998165	0.985915	1
coif5	0.998165	0.985915	1
sym2	0.998165	0.985915	1
sym3	0.998165	0.985915	1
sym5	0.998165	0.985915	1
sym9	0.99633	0.972222	1
sym13	0.998165	0.985915	1
sym19	0.998165	0.985915	1
dmey	0.998165	0.985915	1

D1, D3, and D5

	Accuracy	Precision	Recall
db1	0.170642	0.11336	0.8
db2	0.489908	0.160131	0.7
db3	0.273394	0.088384	0.5
db5	0.33578	0.096685	0.5
db9	0.823853	0.09375	0.042857
db13	0.983486	0.984127	0.885714
db19	0.99633	0.985714	0.985714
coif1	0.352294	0.10585	0.542857
coif2	0.365138	0.103448	0.514286
coif3	0.812844	0.119048	0.071429
coif4	0.875229	1	0.028571
coif5	0.816514	0.222222	0.171429
sym2	0.491743	0.156146	0.671429
sym3	0.26055	0.088889	0.514286
sym5	0.8	0.066667	0.042857
sym9	0.433028	0.110749	0.485714
sym13	0.985321	0.984375	0.9
sym19	1	1	1
dmey	0.99633	0.985714	0.985714

D1, D4, and D5

	Accuracy	Precision	Recall
db1	0.183486	0.113402	0.785714
db2	0.293578	0.018349	0.085714
db3	0.242202	0.032698	0.171429
db5	0.284404	0.037572	0.185714
db9	0.79633	0.113208	0.085714
db13	0.814679	0.155556	0.1
db19	0.801835	0.104167	0.071429
coif1	0.234862	0.085919	0.514286
coif2	0.278899	0.009119	0.042857
coif3	0.809174	0.145833	0.1
coif4	0.809174	0.145833	0.1
coif5	0.805505	0.14	0.1
sym2	0.295413	0.032738	0.157143
sym3	0.26055	0.020173	0.1
sym5	0.811009	0.148936	0.1
sym9	0.809174	0.145833	0.1
sym13	0.882569	1	0.085714
sym19	0.794495	0.111111	0.085714
dmey	0.790826	0.06	0.042857

D2, D3, and D4

	Accuracy	Precision	Recall
db1	0.99633	0.985714	0.985714
db2	1	1	1
db3	1	1	1
db5	0.998165	0.985915	1
db9	0.998165	0.985915	1
db13	0.998165	0.985915	1
db19	1	1	1
coif1	1	1	1
coif2	0.99633	0.972222	1
coif3	0.998165	0.985915	1
coif4	0.998165	0.985915	1
coif5	0.998165	0.985915	1
sym2	1	1	1
sym3	1	1	1
sym5	0.998165	0.985915	1
sym9	0.998165	0.985915	1
sym13	0.998165	0.985915	1
sym19	1	1	1
dmey	0.998165	1	0.985714

D2, D3, and D5

	Accuracy	Precision	Recall
db1	0.253211	0.097852	0.585714
db2	0.506422	0.132841	0.514286
db3	0.398165	0.139665	0.714286
db5	0.411009	0.093851	0.414286
db9	0.177982	0.102941	0.7
db13	0.214679	0.079812	0.485714
db19	0.176147	0.097665	0.657143
coif1	0.87156		0
coif2	0.343119	0.112903	0.6
coif3	0.216514	0.091533	0.571429
coif4	0.212844	0.101996	0.657143
coif5	0.244037	0.098592	0.6
sym2	0.511927	0.134328	0.514286
sym3	0.401835	0.130058	0.642857
sym5	0.238532	0.097902	0.6
sym9	0.466055	0.013216	0.042857
sym13	0.229358	0.091121	0.557143
sym19	0.411009	0.15427	0.8
dmey	0.198165	0.098468	0.642857

D2, D4, and D5

	Accuracy	Precision	Recall
db1	0.32844	0.149289	0.9
db2	0.581651	0.200758	0.757143
db3	0.401835	0.166667	0.914286
db5	0.238532	0.094118	0.571429
db9	0.355963	0.104225	0.528571
db13	0.277064	0.095	0.542857
db19	0.211009	0.125	0.857143
coif1	0.794495	0.2	0.2
coif2	0.13578	0.10297	0.742857
coif3	0.143119	0.097363	0.685714
coif4	0.289908	0.116223	0.685714
coif5	0.231193	0.077482	0.457143
sym2	0.60367	0.210317	0.757143
sym3	0.412844	0.156593	0.814286
sym5	0.227523	0.068796	0.4
sym9	0.297248	0.095607	0.528571
sym13	0.277064	0.090909	0.514286
sym19	0.321101	0.115385	0.642857
dmey	0.493578	0.184049	0.857143

D3, D4, and D5

	Accuracy	Precision	Recall
db1	0.394495	0.146739	0.771429
db2	0.517431	0.191693	0.857143
db3	0.341284	0.132316	0.742857
db5	0.306422	0.101036	0.557143
db9	0.53945	0.20132	0.871429
db13	0.427523	0.128834	0.6
db19	0.242202	0.105747	0.657143
coif1	0.231193	0.131078	0.885714
coif2	0.823853	0.229167	0.157143
coif3	0.677064	0.271552	0.9
coif4	0.429358	0.164345	0.842857
coif5	0.899083	0.574257	0.828571
sym2	0.60367	0.22963	0.885714
sym3	0.343119	0.141791	0.814286
sym5	0.748624	0.123596	0.157143
sym9	0.862385	0.480916	0.9
sym13	0.998165	0.985915	1
sym19	0.983486	0.984127	0.885714
dmey	0.211009	0.137097	0.971429

D1, and D2

	Accuracy	Precision	Recall
db1	0.930275	0.785714	0.628571
db2	0.968807	0.964912	0.785714
db3	0.933945	0.765625	0.7
db5	0.92844	0.762712	0.642857
db9	0.93578	0.818182	0.642857
db13	0.926606	0.767857	0.614286
db19	0.933945	0.814815	0.628571
coif1	0.963303	0.903226	0.8
coif2	0.930275	0.775862	0.642857
coif3	0.933945	0.793103	0.657143
coif4	0.933945	0.793103	0.657143
coif5	0.93211	0.8	0.628571
sym2	0.968807	0.964912	0.785714
sym3	0.933945	0.765625	0.7
sym5	0.93578	0.807018	0.657143
sym9	0.930275	0.775862	0.642857
sym13	0.93578	0.818182	0.642857
sym19	0.944954	0.916667	0.628571
dmey	0.93578	0.843137	0.614286

D1, and D3

	Accuracy	Precision	Recall
db1	0.998165	1	0.985714
db2	1	1	1
db3	1	1	1
db5	0.998165	0.985915	1
db9	0.990826	0.933333	1
db13	0.987156	0.931507	0.971429
db19	0.985321	0.907895	0.985714
coif1	1	1	1
coif2	1	1	1
coif3	0.990826	0.933333	1
coif4	0.992661	0.945946	1
coif5	0.992661	0.945946	1
sym2	1	1	1
sym3	0.998165	1	0.985714
sym5	0.99633	0.972222	1
sym9	0.992661	0.945946	1
sym13	0.987156	0.931507	0.971429
sym19	0.987156	0.92	0.985714
dmey	0.981651	0.916667	0.942857

D1, and D4

	Accuracy	Precision	Recall
db1	0.994495	0.971831	0.985714
db2	0.998165	0.985915	1
db3	0.998165	0.985915	1
db5	0.998165	0.985915	1
db9	0.998165	0.985915	1
db13	0.998165	0.985915	1
db19	0.99633	0.972222	1
coif1	0.998165	0.985915	1
coif2	0.998165	0.985915	1
coif3	0.998165	0.985915	1
coif4	0.998165	0.985915	1
coif5	0.998165	0.985915	1
sym2	0.998165	0.985915	1
sym3	0.998165	0.985915	1
sym5	0.998165	0.985915	1
sym9	0.998165	0.985915	1
sym13	0.998165	0.985915	1
sym19	0.99633	0.972222	1
dmey	0.99633	0.972222	1

D1, and D5

	Accuracy	Precision	Recall
db1	0.284404	0.133028	0.828571
db2	0.987156	1	0.9
db3	0.798165	0.1	0.071429
db5	0.884404	1	0.1
db9	0.891743	0.823529	0.2
db13	0.985321	1	0.885714
db19	0.985321	1	0.885714
coif1	0.831193	0.43125	0.985714
coif2	0.79633	0.113208	0.085714
coif3	0.884404	1	0.1
coif4	0.884404	1	0.1
coif5	0.985321	0.984375	0.9
sym2	1	1	1
sym3	0.79633	0.081633	0.057143
sym5	0.897248	1	0.2
sym9	0.897248	1	0.2
sym13	0.985321	0.984375	0.9
sym19	0.983486	0.984127	0.885714
dmey	0.893578	0.554545	0.871429

D2, and D3

	Accuracy	Precision	Recall
db1	0.998165	1	0.985714
db2	1	1	1
db3	0.998165	1	0.985714
db5	0.998165	0.985915	1
db9	0.992661	0.945946	1
db13	0.988991	0.921053	1
db19	0.988991	0.921053	1
coif1	1	1	1
coif2	0.99633	0.985714	0.985714
coif3	0.990826	0.945205	0.985714
coif4	0.992661	0.945946	1
coif5	0.988991	0.921053	1
sym2	1	1	1
sym3	0.998165	1	0.985714
sym5	0.99633	0.985714	0.985714
sym9	0.992661	0.945946	1
sym13	0.988991	0.921053	1
sym19	0.988991	0.921053	1
dmey	0.985321	0.907895	0.985714

D2, and D4

	Accuracy	Precision	Recall
db1	0.99633	0.985714	0.985714
db2	1	1	1
db3	1	1	1
db5	0.998165	0.985915	1
db9	0.998165	0.985915	1
db13	0.998165	0.985915	1
db19	1	1	1
coif1	1	1	1
coif2	0.998165	0.985915	1
coif3	0.998165	0.985915	1
coif4	0.998165	0.985915	1
coif5	0.998165	0.985915	1
sym2	1	1	1
sym3	1	1	1
sym5	0.998165	0.985915	1
sym9	0.998165	0.985915	1
sym13	0.998165	0.985915	1
sym19	1	1	1
dmey	1	1	1

D2, and D5

	Accuracy	Precision	Recall
db1	0.893578	0.557692	0.828571
db2	0.961468	1	0.7
db3	0.544954	0.211039	0.928571
db5	0.998165	0.985915	1
db9	0.998165	1	0.985714
db13	1	1	1
db19	0.911927	0.596491	0.971429
coif1	0.825688	0.179487	0.1
coif2	0.998165	0.985915	1
coif3	0.86789	0.492754	0.971429
coif4	0.998165	0.985915	1
coif5	0.913761	0.60177	0.971429
sym2	0.974312	1	0.8
sym3	0.581651	0.227586	0.942857
sym5	0.675229	0.283401	1
sym9	1	1	1
sym13	0.998165	0.985915	1
sym19	0.998165	0.985915	1
dmey	0.99633	0.985714	0.985714

D3, and D4

	Accuracy	Precision	Recall
db1	0.998165	0.985915	1
db2	0.998165	0.985915	1
db3	0.998165	0.985915	1
db5	0.998165	0.985915	1
db9	0.99633	0.972222	1
db13	0.99633	0.972222	1
db19	0.998165	0.985915	1
coif1	0.998165	0.985915	1
coif2	0.998165	0.985915	1
coif3	0.998165	0.985915	1
coif4	0.998165	0.985915	1
coif5	0.998165	0.985915	1
sym2	0.998165	0.985915	1
sym3	0.998165	0.985915	1
sym5	0.998165	0.985915	1
sym9	0.99633	0.972222	1
sym13	0.998165	0.985915	1
sym19	0.998165	0.985915	1
dmey	0.998165	1	0.985714

D3, and D5

	Accuracy	Precision	Recall
db1	0.245872	0.116854	0.742857
db2	0.669725	0.262931	0.871429
db3	0.337615	0.120104	0.657143
db5	0.170642	0.108607	0.757143
db9	0.497248	0.192771	0.914286
db13	0.493578	0.14966	0.628571
db19	0.251376	0.10514	0.642857
coif1	0.300917	0.134118	0.814286
coif2	0.801835	0.047619	0.028571
coif3	0.570642	0.202899	0.8
coif4	0.427523	0.165746	0.857143
coif5	0.908257	0.6	0.857143
sym2	0.526606	0.196774	0.871429
sym3	0.321101	0.125	0.714286
sym5	0.805505	0.05	0.028571
sym9	0.866055	0.487805	0.857143
sym13	0.858716	0.47482	0.942857
sym19	0.904587	0.578947	0.942857
dmey	0.304587	0.154362	0.985714

D4, and D5

	Accuracy	Precision	Recall
db1	0.124771	0.121043	0.928571
db2	0.629358	0.12069	0.3
db3	0.146789	0.089397	0.614286
db5	0.627523	0.12	0.3
db9	0.387156	0.139344	0.728571
db13	0.297248	0.126492	0.757143
db19	0.293578	0.124105	0.742857
coif1	0.150459	0.112426	0.814286
coif2	0.130275	0.084362	0.585714
coif3	0.181651	0.041463	0.242857
coif4	0.618349	0.2	0.657143
coif5	0.141284	0.124528	0.942857
sym2	0.627523	0.092025	0.214286
sym3	0.207339	0.086758	0.542857
sym5	0.133945	0.116412	0.871429
sym9	0.146789	0.11501	0.842857
sym13	0.152294	0.072052	0.471429
sym19	0.190826	0.073563	0.457143
dmey	0.255046	0.08209	0.471429

A.4 3rd-Order Polynomial Kernel

D1, D2, D3, D4, and D5

	Accuracy	Precision	Recall
db1	0.994495	0.985507	0.971429
db2	0.794495	0.376471	0.914286
db3	0.506422	0.175896	0.771429
db5	0.994495	0.971831	0.985714
db9	0.99633	0.985714	0.985714
db13	0.99633	0.985714	0.985714
db19	0.994495	0.971831	0.985714
coif1	0.825688	0.419355	0.928571
coif2	0.994495	0.985507	0.971429
coif3	0.992661	0.985294	0.957143
coif4	0.99633	0.985714	0.985714
coif5	0.99633	0.985714	0.985714
sym2	0.752294	0.336683	0.957143
sym3	0.53211	0.188552	0.8
sym5	0.992661	0.971429	0.971429
sym9	0.99633	0.985714	0.985714
sym13	0.99633	0.985714	0.985714
sym19	0.99633	0.985714	0.985714
dmey	0.990826	0.945205	0.985714

D2, D3, D4, and D5

	Accuracy	Precision	Recall
db1	0.99633	1	0.971429
db2	0.992661	0.985294	0.957143
db3	0.515596	0.196875	0.9
db5	0.933945	0.677083	0.928571
db9	0.919266	0.622642	0.942857
db13	0.922936	0.62963	0.971429
db19	0.99633	0.985714	0.985714
coif1	0.990826	0.957746	0.971429
coif2	0.379817	0.137838	0.728571
coif3	0.40367	0.156334	0.828571
coif4	0.554128	0.194346	0.785714
coif5	0.92844	0.64486	0.985714
sym2	0.994495	0.985507	0.971429
sym3	0.475229	0.176647	0.842857
sym5	0.418349	0.142029	0.7
sym9	0.998165	1	0.985714
sym13	0.99633	0.985714	0.985714
sym19	0.994495	0.985507	0.971429
dmey	0.99633	0.985714	0.985714

D1, D3, D4, and D5

	Accuracy	Precision	Recall
db1	0.99633	0.985714	0.985714
db2	0.574312	0.216783	0.885714
db3	0.422018	0.160665	0.828571
db5	0.440367	0.101695	0.428571
db9	0.517431	0.206687	0.971429
db13	0.994495	0.985507	0.971429
db19	0.992661	0.958333	0.985714
coif1	0.579817	0.228669	0.957143
coif2	0.53945	0.19322	0.814286
coif3	0.554128	0.214521	0.928571
coif4	0.994495	0.985507	0.971429
coif5	0.998165	1	0.985714
sym2	0.570642	0.217241	0.9
sym3	0.414679	0.157025	0.814286
sym5	0.451376	0.175637	0.885714
sym9	0.994495	0.971831	0.985714
sym13	0.99633	0.985714	0.985714
sym19	0.99633	0.985714	0.985714
dmey	0.99633	0.985714	0.985714

D1, D2, D4, and D5

	Accuracy	Precision	Recall
db1	0.994495	0.985507	0.971429
db2	0.354128	0.128947	0.7
db3	0.392661	0.153846	0.828571
db5	0.950459	0.736264	0.957143
db9	0.946789	0.71134	0.985714
db13	0.998165	0.985915	1
db19	0.99633	0.985714	0.985714
coif1	0.440367	0.15942	0.785714
coif2	0.431193	0.180851	0.971429
coif3	0.438532	0.181081	0.957143
coif4	0.877064	0.511111	0.985714
coif5	0.99633	0.985714	0.985714
sym2	0.376147	0.139037	0.742857
sym3	0.370642	0.143603	0.785714
sym5	0.93945	0.679612	1
sym9	0.994495	0.985507	0.971429
sym13	0.99633	0.985714	0.985714
sym19	0.99633	0.985714	0.985714
dmey	0.99633	0.985714	0.985714

D1, D2, D3, and D5

	Accuracy	Precision	Recall
db1	0.917431	0.614679	0.957143
db2	0.409174	0.127219	0.614286
db3	0.40367	0.117117	0.557143
db5	0.286239	0.098237	0.557143
db9	0.33211	0.123077	0.685714
db13	0.99633	0.985714	0.985714
db19	0.99633	0.985714	0.985714
coif1	0.445872	0.160819	0.785714
coif2	0.387156	0.107143	0.514286
coif3	0.40367	0.150685	0.785714
coif4	0.365138	0.134921	0.728571
coif5	0.994495	0.971831	0.985714
sym2	0.436697	0.144144	0.685714
sym3	0.418349	0.135693	0.657143
sym5	0.365138	0.110169	0.557143
sym9	0.499083	0.177778	0.8
sym13	0.998165	1	0.985714
sym19	0.994495	0.971831	0.985714
dmey	0.99633	0.985714	0.985714

D1, D2, D3, and D4

	Accuracy	Precision	Recall
db1	0.992661	0.958333	0.985714
db2	1	1	1
db3	0.922936	0.634615	0.942857
db5	0.965138	0.831169	0.914286
db9	0.900917	0.576923	0.857143
db13	0.884404	1	0.1
db19	0.950459	0.820896	0.785714
coif1	0.99633	0.985714	0.985714
coif2	0.972477	0.831325	0.985714
coif3	0.952294	0.823529	0.8
coif4	0.884404	1	0.1
coif5	0.884404	1	0.1
sym2	0.998165	0.985915	1
sym3	0.915596	0.613208	0.928571
sym5	0.880734	0.520325	0.914286
sym9	0.970642	0.982143	0.785714
sym13	0.895413	1	0.185714
sym19	0.961468	0.915254	0.771429
dmey	0.968807	0.949153	0.8

D1, D2, and D3

	Accuracy	Precision	Recall
db1	0.994495	0.971831	0.985714
db2	0.998165	0.985915	1
db3	1	1	1
db5	0.99633	0.972222	1
db9	0.987156	0.92	0.985714
db13	0.990826	0.945205	0.985714
db19	0.990826	0.945205	0.985714
coif1	0.994495	0.958904	1
coif2	0.998165	0.985915	1
coif3	0.994495	0.958904	1
coif4	0.990826	0.945205	0.985714
coif5	0.988991	0.944444	0.971429
sym2	0.998165	0.985915	1
sym3	0.99633	0.972222	1
sym5	0.998165	0.985915	1
sym9	0.990826	0.957746	0.971429
sym13	0.992661	0.971429	0.971429
sym19	0.987156	0.931507	0.971429
dmey	0.977982	0.891892	0.942857

D1, D2, and D4

	Accuracy	Precision	Recall
db1	0.994495	0.971831	0.985714
db2	0.911927	0.598214	0.957143
db3	0.915596	0.611111	0.942857
db5	0.884404	1	0.1
db9	0.884404	1	0.1
db13	0.277064	0.102941	0.6
db19	0.220183	0.116631	0.771429
coif1	1	1	1
coif2	0.812844	0.224138	0.185714
coif3	0.811009	0.116279	0.071429
coif4	0.805505	0.108696	0.071429
coif5	0.282569	0.107579	0.628571
sym2	1	1	1
sym3	0.921101	0.626168	0.957143
sym5	0.823853	0.259259	0.2
sym9	0.801835	0.086957	0.057143
sym13	0.218349	0.111354	0.728571
sym19	0.233028	0.129787	0.871429
dmey	0.251376	0.095694	0.571429

D1, D2, and D5

	Accuracy	Precision	Recall
db1	0.317431	0.108808	0.6
db2	0.425688	0.12844	0.6
db3	0.418349	0.152113	0.771429
db5	0.277064	0.117925	0.714286
db9	0.295413	0.12619	0.757143
db13	0.99633	0.985714	0.985714
db19	0.926606	0.638889	0.985714
coif1	0.469725	0.152381	0.685714
coif2	0.306422	0.143519	0.885714
coif3	0.275229	0.129841	0.814286
coif4	0.304587	0.118519	0.685714
coif5	0.704587	0.30131	0.985714
sym2	0.405505	0.115152	0.542857
sym3	0.392661	0.130312	0.657143
sym5	0.293578	0.134571	0.828571
sym9	0.440367	0.165242	0.828571
sym13	0.994495	0.985507	0.971429
sym19	0.99633	0.985714	0.985714
dmey	0.994495	0.985507	0.971429

D1, D3, and D4

	Accuracy	Precision	Recall
db1	0.994495	0.971831	0.985714
db2	0.994495	0.971831	0.985714
db3	0.992661	0.958333	0.985714
db5	0.985321	0.984375	0.9
db9	0.99633	0.985714	0.985714
db13	0.99633	0.985714	0.985714
db19	0.99633	0.972222	1
coif1	0.987156	0.943662	0.957143
coif2	0.985321	0.984375	0.9
coif3	0.985321	0.969697	0.914286
coif4	0.99633	0.985714	0.985714
coif5	0.99633	0.985714	0.985714
sym2	0.988991	0.932432	0.985714
sym3	0.994495	0.971831	0.985714
sym5	0.983486	0.955224	0.914286
sym9	0.99633	0.985714	0.985714
sym13	0.99633	0.985714	0.985714
sym19	0.99633	0.972222	1
dmey	0.915596	0.603448	1

D1, D3, and D5

	Accuracy	Precision	Recall
db1	0.322936	0.113695	0.628571
db2	0.383486	0.132597	0.685714
db3	0.355963	0.099715	0.5
db5	0.32844	0.102151	0.542857
db9	0.284404	0.1	0.571429
db13	0.99633	1	0.971429
db19	0.994495	0.985507	0.971429
coif1	0.480734	0.166144	0.757143
coif2	0.436697	0.162393	0.814286
coif3	0.425688	0.151862	0.757143
coif4	0.444037	0.173669	0.885714
coif5	0.994495	0.971831	0.985714
sym2	0.411009	0.138329	0.685714
sym3	0.350459	0.094286	0.471429
sym5	0.282569	0.099751	0.571429
sym9	0.427523	0.160112	0.814286
sym13	0.998165	0.985915	1
sym19	0.994495	0.971831	0.985714
dmey	0.99633	0.985714	0.985714

D1, D4, and D5

	Accuracy	Precision	Recall
db1	0.372477	0.132432	0.7
db2	0.249541	0.085575	0.5
db3	0.293578	0.043478	0.214286
db5	0.306422	0.00641	0.028571
db9	0.504587	0.068966	0.228571
db13	0.216514	0.093394	0.585714
db19	0.99633	0.985714	0.985714
coif1	0.284404	0.1	0.571429
coif2	0.348624	0.079646	0.385714
coif3	0.634862	0.175879	0.5
coif4	0.366972	0.030717	0.128571
coif5	0.908257	0.596154	0.885714
sym2	0.240367	0.076355	0.442857
sym3	0.297248	0.046377	0.228571
sym5	0.304587	0.00639	0.028571
sym9	0.387156	0.035211	0.142857
sym13	0.363303	0.152882	0.871429
sym19	0.911927	0.594828	0.985714
dmey	0.915596	0.613208	0.928571

D2, D3, and D4

	Accuracy	Precision	Recall
db1	0.99633	0.985714	0.985714
db2	0.985321	0.984375	0.9
db3	0.998165	0.985915	1
db5	0.987156	0.984615	0.914286
db9	0.998165	0.985915	1
db13	0.998165	0.985915	1
db19	0.994495	0.971831	0.985714
coif1	0.992661	0.958333	0.985714
coif2	0.985321	0.984375	0.9
coif3	0.987156	0.984615	0.914286
coif4	0.99633	0.985714	0.985714
coif5	0.983486	0.984127	0.885714
sym2	0.998165	0.985915	1
sym3	0.990826	0.933333	1
sym5	0.987156	0.984615	0.914286
sym9	0.994495	0.971831	0.985714
sym13	0.99633	0.985714	0.985714
sym19	0.998165	0.985915	1
dmey	0.700917	0.293333	0.942857

D2, D3, and D5

	Accuracy	Precision	Recall
db1	0.480734	0.176292	0.828571
db2	0.462385	0.154799	0.714286
db3	0.363303	0.09621	0.471429
db5	0.315596	0.106494	0.585714
db9	0.225688	0.086854	0.528571
db13	0.242202	0.090692	0.542857
db19	0.32844	0.102151	0.542857
coif1	0.436697	0.137615	0.642857
coif2	0.333945	0.091922	0.471429
coif3	0.333945	0.107239	0.571429
coif4	0.368807	0.137566	0.742857
coif5	0.376147	0.139037	0.742857
sym2	0.447706	0.155224	0.742857
sym3	0.368807	0.101744	0.5
sym5	0.330275	0.104558	0.557143
sym9	0.247706	0.093301	0.557143
sym13	0.363303	0.134565	0.728571
sym19	0.46789	0.170659	0.814286
dmey	0.376147	0.116477	0.585714

D2, D4, and D5

	Accuracy	Precision	Recall
db1	0.99633	0.985714	0.985714
db2	0.434862	0.173077	0.9
db3	0.40367	0.152589	0.8
db5	0.236697	0.091981	0.557143
db9	0.377982	0.15601	0.871429
db13	0.357798	0.153465	0.885714
db19	0.418349	0.177546	0.971429
coif1	0.466055	0.168168	0.8
coif2	0.405505	0.135057	0.671429
coif3	0.368807	0.15051	0.842857
coif4	0.423853	0.175532	0.942857
coif5	0.330275	0.118863	0.657143
sym2	0.433028	0.170799	0.885714
sym3	0.412844	0.156593	0.814286
sym5	0.26789	0.101695	0.6
sym9	0.212844	0.08545	0.528571
sym13	0.368807	0.162562	0.942857
sym19	0.341284	0.13602	0.771429
dmey	0.376147	0.15736	0.885714

D3, D4, and D5

	Accuracy	Precision	Recall
db1	0.917431	0.623762	0.9
db2	0.790826	0.325397	0.585714
db3	0.390826	0.144022	0.757143
db5	0.277064	0.126728	0.785714
db9	0.392661	0.164524	0.914286
db13	0.497248	0.2	0.971429
db19	0.99633	0.985714	0.985714
coif1	0.87156	0.5	0.557143
coif2	0.856881	0.453488	0.557143
coif3	0.33211	0.156542	0.957143
coif4	0.354128	0.157767	0.928571
coif5	0.99633	0.985714	0.985714
sym2	0.866055	0.481013	0.542857
sym3	0.46055	0.160606	0.757143
sym5	0.269725	0.116822	0.714286
sym9	0.337615	0.151079	0.9
sym13	0.640367	0.257692	0.957143
sym19	0.99633	0.985714	0.985714
dmey	0.99633	0.985714	0.985714

D1, and D2

	Accuracy	Precision	Recall
db1	0.968807	0.835443	0.942857
db2	0.985321	0.955882	0.928571
db3	0.93945	0.824561	0.671429
db5	0.952294	0.978261	0.642857
db9	0.954128	0.959184	0.671429
db13	0.955963	0.979167	0.671429
db19	0.955963	0.979167	0.671429
coif1	0.977982	0.926471	0.9
coif2	0.950459	0.938776	0.657143
coif3	0.954128	0.978723	0.657143
coif4	0.959633	0.98	0.7
coif5	0.955963	1	0.657143
sym2	0.987156	0.956522	0.942857
sym3	0.941284	0.839286	0.671429
sym5	0.952294	0.978261	0.642857
sym9	0.952294	0.958333	0.657143
sym13	0.955963	0.96	0.685714
sym19	0.955963	0.96	0.685714
dmey	0.948624	0.92	0.657143

D1, and D3

	Accuracy	Precision	Recall
db1	0.631193	0.249042	0.928571
db2	0.99633	0.972222	1
db3	0.998165	0.985915	1
db5	0.99633	0.972222	1
db9	0.987156	0.956522	0.942857
db13	0.988991	0.932432	0.985714
db19	0.987156	0.931507	0.971429
coif1	0.992661	0.945946	1
coif2	0.99633	0.972222	1
coif3	0.992661	0.945946	1
coif4	0.988991	0.944444	0.971429
coif5	0.990826	0.933333	1
sym2	0.998165	0.985915	1
sym3	0.998165	0.985915	1
sym5	0.998165	0.985915	1
sym9	0.987156	0.931507	0.971429
sym13	0.983486	0.917808	0.957143
sym19	0.987156	0.931507	0.971429
dmey	0.983486	0.929577	0.942857

D1, and D4

	Accuracy	Precision	Recall
db1	0.994495	0.971831	0.985714
db2	0.998165	0.985915	1
db3	0.93211	0.660194	0.971429
db5	0.959633	0.8	0.914286
db9	0.983486	0.969231	0.9
db13	0.884404	1	0.1
db19	0.974312	0.841463	0.985714
coif1	0.99633	0.985714	0.985714
coif2	0.968807	0.811765	0.985714
coif3	0.950459	0.811594	0.8
coif4	0.884404	1	0.1
coif5	0.884404	1	0.1
sym2	0.998165	0.985915	1
sym3	0.924771	0.640777	0.942857
sym5	0.86789	0.492308	0.914286
sym9	0.970642	0.982143	0.785714
sym13	0.862385	0.368421	0.1
sym19	0.968807	0.863014	0.9
dmey	0.983486	0.984127	0.885714

D1, and D5

	Accuracy	Precision	Recall
db1	0.994495	0.985507	0.971429
db2	0.693578	0.286344	0.928571
db3	0.475229	0.176647	0.842857
db5	0.994495	0.985507	0.971429
db9	0.994495	0.971831	0.985714
db13	0.99633	0.985714	0.985714
db19	0.99633	0.985714	0.985714
coif1	0.952294	0.734043	0.985714
coif2	0.99633	0.985714	0.985714
coif3	0.99633	0.985714	0.985714
coif4	0.99633	0.985714	0.985714
coif5	0.99633	0.985714	0.985714
sym2	0.801835	0.385542	0.914286
sym3	0.504587	0.175325	0.771429
sym5	0.99633	0.985714	0.985714
sym9	0.99633	0.985714	0.985714
sym13	0.99633	0.985714	0.985714
sym19	0.99633	0.985714	0.985714
dmey	0.99633	0.985714	0.985714

D2, and D3

	Accuracy	Precision	Recall
db1	0.99633	0.985714	0.985714
db2	1	1	1
db3	0.998165	1	0.985714
db5	0.99633	0.985714	0.985714
db9	0.990826	0.945205	0.985714
db13	0.992661	0.958333	0.985714
db19	0.990826	0.933333	1
coif1	0.99633	0.985714	0.985714
coif2	0.99633	0.985714	0.985714
coif3	0.990826	0.945205	0.985714
coif4	0.992661	0.945946	1
coif5	0.990826	0.945205	0.985714
sym2	1	1	1
sym3	0.998165	1	0.985714
sym5	1	1	1
sym9	0.990826	0.945205	0.985714
sym13	0.992661	0.958333	0.985714
sym19	0.990826	0.957746	0.971429
dmey	0.985321	0.918919	0.971429

D2, and D4

	Accuracy	Precision	Recall
db1	0.99633	0.985714	0.985714
db2	0.998165	0.985915	1
db3	0.99633	0.972222	1
db5	0.987156	0.984615	0.914286
db9	0.99633	0.985714	0.985714
db13	0.992661	0.945946	1
db19	0.994495	0.971831	0.985714
coif1	0.99633	0.985714	0.985714
coif2	0.985321	0.984375	0.9
coif3	0.985321	0.984375	0.9
coif4	0.99633	0.985714	0.985714
coif5	0.992661	0.958333	0.985714
sym2	0.998165	0.985915	1
sym3	0.983486	0.969231	0.9
sym5	0.987156	0.984615	0.914286
sym9	0.99633	0.985714	0.985714
sym13	0.994495	0.971831	0.985714
sym19	0.981651	0.96875	0.885714
dmey	0.614679	0.234848	0.885714

D2, and D5

	Accuracy	Precision	Recall
db1	0.998165	1	0.985714
db2	0.994495	0.985507	0.971429
db3	0.480734	0.178248	0.842857
db5	0.921101	0.631068	0.928571
db9	0.910092	0.594595	0.942857
db13	0.922936	0.637255	0.928571
db19	0.994495	0.985507	0.971429
coif1	0.99633	0.985714	0.985714
coif2	0.381651	0.128134	0.657143
coif3	0.482569	0.184524	0.885714
coif4	0.522936	0.189542	0.828571
coif5	0.941284	0.69	0.985714
sym2	0.994495	0.985507	0.971429
sym3	0.486239	0.185629	0.885714
sym5	0.46055	0.143312	0.642857
sym9	0.998165	1	0.985714
sym13	0.994495	0.971831	0.985714
sym19	0.99633	0.985714	0.985714
dmey	0.99633	0.985714	0.985714

D3, and D4

	Accuracy	Precision	Recall
db1	0.99633	0.985714	0.985714
db2	0.99633	0.985714	0.985714
db3	0.985321	0.984375	0.9
db5	0.987156	0.984615	0.914286
db9	0.822018	0.245283	0.185714
db13	0.897248	1	0.2
db19	0.882569	0.875	0.1
coif1	0.99633	0.985714	0.985714
coif2	0.985321	0.984375	0.9
coif3	0.886239	1	0.114286
coif4	0.884404	1	0.1
coif5	0.985321	0.984375	0.9
sym2	0.99633	0.985714	0.985714
sym3	0.985321	0.984375	0.9
sym5	0.985321	0.984375	0.9
sym9	0.99633	0.985714	0.985714
sym13	0.972477	0.982456	0.8
sym19	0.884404	1	0.1
dmey	0.79633	0.081633	0.057143

D3, and D5

	Accuracy	Precision	Recall
db1	0.913761	0.61165	0.9
db2	0.866055	0.481481	0.557143
db3	0.40367	0.154472	0.814286
db5	0.291743	0.139269	0.871429
db9	0.513761	0.194357	0.885714
db13	0.433028	0.179625	0.957143
db19	0.99633	0.985714	0.985714
coif1	0.869725	0.493671	0.557143
coif2	0.776147	0.319444	0.657143
coif3	0.434862	0.178378	0.942857
coif4	0.368807	0.159204	0.914286
coif5	0.99633	0.985714	0.985714
sym2	0.866055	0.481013	0.542857
sym3	0.341284	0.139651	0.8
sym5	0.262385	0.121005	0.757143
sym9	0.33578	0.154028	0.928571
sym13	0.642202	0.258687	0.957143
sym19	0.99633	0.985714	0.985714
dmey	0.994495	0.971831	0.985714

D4, and D5

	Accuracy	Precision	Recall
db1	0.416514	0.092105	0.4
db2	0.801835	0.324074	0.5
db3	0.746789	0.25	0.485714
db5	0.255046	0.084158	0.485714
db9	0.234862	0.027248	0.142857
db13	0.319266	0.085399	0.442857
db19	0.223853	0.072639	0.428571
coif1	0.750459	0.270833	0.557143
coif2	0.849541	0.457746	0.928571
coif3	0.295413	0.015432	0.071429
coif4	0.886239	0.666667	0.228571
coif5	0.831193	0.338235	0.328571
sym2	0.794495	0.305556	0.471429
sym3	0.820183	0.340909	0.428571
sym5	0.183486	0	0
sym9	0.2	0.078341	0.485714
sym13	0.695413	0.22093	0.542857
sym19	0.233028	0.095349	0.585714
dmey	0.222018	0.088372	0.542857

A.5 4th-Order Polynomial Kernel

D1, D2, D3, D4, and D5

	Accuracy	Precision	Recall
db1	0.99633	1	0.971429
db2	0.537615	0.160448	0.614286
db3	0.746789	0.25	0.485714
db5	0.955963	0.75	0.985714
db9	0.959633	0.766667	0.985714
db13	0.977982	0.8625	0.985714
db19	0.977982	0.8625	0.985714
coif1	0.554128	0.155378	0.557143
coif2	0.948624	0.738636	0.928571
coif3	0.954128	0.741935	0.985714
coif4	0.965138	0.793103	0.985714
coif5	0.976147	0.851852	0.985714
sym2	0.543119	0.151751	0.557143
sym3	0.73945	0.26	0.557143
sym5	0.957798	0.758242	0.985714
sym9	0.961468	0.775281	0.985714
sym13	0.976147	0.860759	0.971429
sym19	0.977982	0.8625	0.985714
dmey	0.977982	0.8625	0.985714

D2, D3, D4, and D5

	Accuracy	Precision	Recall
db1	0.998165	1	0.985714
db2	0.948624	0.714286	1
db3	0.436697	0.164306	0.828571
db5	0.943119	0.819672	0.714286
db9	0.895413	0.56701	0.785714
db13	0.930275	0.796296	0.614286
db19	0.977982	0.8625	0.985714
coif1	0.948624	0.714286	1
coif2	0.946789	0.746988	0.885714
coif3	0.93578	0.807018	0.657143
coif4	0.93211	0.8	0.628571
coif5	0.966972	0.802326	0.985714
sym2	0.946789	0.707071	1
sym3	0.414679	0.149296	0.757143
sym5	0.943119	0.830508	0.7
sym9	0.970642	0.821429	0.985714
sym13	0.977982	0.8625	0.985714
sym19	0.977982	0.8625	0.985714
dmey	0.977982	0.8625	0.985714

D1, D3, D4, and D5

	Accuracy	Precision	Recall
db1	0.952294	0.734043	0.985714
db2	0.913761	0.688525	0.6
db3	0.480734	0.170279	0.785714
db5	0.954128	0.741935	0.985714
db9	0.957798	0.758242	0.985714
db13	0.976147	0.851852	0.985714
db19	0.977982	0.8625	0.985714
coif1	0.878899	0.516129	0.914286
coif2	0.656881	0.225352	0.685714
coif3	0.957798	0.764045	0.971429
coif4	0.959633	0.772727	0.971429
coif5	0.968807	0.811765	0.985714
sym2	0.917431	0.692308	0.642857
sym3	0.576147	0.184314	0.671429
sym5	0.574312	0.210714	0.842857
sym9	0.976147	0.851852	0.985714
sym13	0.976147	0.851852	0.985714
sym19	0.977982	0.8625	0.985714
dmey	0.983486	0.896104	0.985714

D1, D2, D4, and D5

	Accuracy	Precision	Recall
db1	0.992661	0.971429	0.971429
db2	0.809174	0.348214	0.557143
db3	0.359633	0.102564	0.514286
db5	0.946789	0.788732	0.8
db9	0.961468	0.775281	0.985714
db13	0.966972	0.802326	0.985714
db19	0.977982	0.8625	0.985714
coif1	0.917431	0.777778	0.5
coif2	0.884404	0.537634	0.714286
coif3	0.952294	0.755814	0.928571
coif4	0.957798	0.770115	0.957143
coif5	0.911927	0.603774	0.914286
sym2	0.922936	0.804348	0.528571
sym3	0.33945	0.097222	0.5
sym5	0.963303	0.820513	0.914286
sym9	0.926606	0.65	0.928571
sym13	0.976147	0.843373	1
sym19	0.972477	0.857143	0.942857
dmey	0.977982	0.8625	0.985714

D1, D2, D3, and D5

	Accuracy	Precision	Recall
db1	0.974312	0.85	0.971429
db2	0.436697	0.111475	0.485714
db3	0.53211	0.119342	0.414286
db5	0.699083	0.202532	0.457143
db9	0.919266	0.770833	0.528571
db13	0.957798	0.758242	0.985714
db19	0.977982	0.8625	0.985714
coif1	0.858716	0.454545	0.5
coif2	0.794495	0.305556	0.471429
coif3	0.915596	0.730769	0.542857
coif4	0.922936	0.642857	0.9
coif5	0.954128	0.741935	0.985714
sym2	0.502752	0.123596	0.471429
sym3	0.515596	0.102459	0.357143
sym5	0.521101	0.12549	0.457143
sym9	0.917431	0.777778	0.5
sym13	0.972477	0.823529	1
sym19	0.977982	0.8625	0.985714
dmey	0.979817	0.873418	0.985714

D1, D2, D3, and D4

	Accuracy	Precision	Recall
db1	0.972477	0.839506	0.971429
db2	0.994495	0.971831	0.985714
db3	0.988991	0.944444	0.971429
db5	0.99633	0.985714	0.985714
db9	0.985321	0.907895	0.985714
db13	0.961468	0.775281	0.985714
db19	0.93211	0.657143	0.985714
coif1	0.99633	0.985714	0.985714
coif2	0.990826	0.945205	0.985714
coif3	0.988991	0.932432	0.985714
coif4	0.985321	0.907895	0.985714
coif5	0.941284	0.69	0.985714
sym2	0.99633	0.985714	0.985714
sym3	0.988991	0.944444	0.971429
sym5	0.99633	0.985714	0.985714
sym9	0.974312	0.841463	0.985714
sym13	0.913761	0.6	0.985714
sym19	0.954128	0.741935	0.985714
dmey	0.855046	0.451613	0.6

D1, D2, and D3

	Accuracy	Precision	Recall
db1	0.625688	0.24812	0.942857
db2	0.994495	0.958904	1
db3	0.998165	0.985915	1
db5	0.994495	0.958904	1
db9	0.992661	0.971429	0.971429
db13	0.990826	0.945205	0.985714
db19	0.990826	0.957746	0.971429
coif1	0.99633	0.972222	1
coif2	0.99633	0.972222	1
coif3	0.988991	0.932432	0.985714
coif4	0.992661	0.958333	0.985714
coif5	0.988991	0.944444	0.971429
sym2	0.99633	0.972222	1
sym3	0.99633	0.972222	1
sym5	0.998165	0.985915	1
sym9	0.988991	0.944444	0.971429
sym13	0.981651	0.894737	0.971429
sym19	0.987156	0.931507	0.971429
dmey	0.985321	0.942857	0.942857

D1, D2, and D4

	Accuracy	Precision	Recall
db1	0.970642	0.821429	0.985714
db2	0.998165	0.985915	1
db3	0.954128	0.78481	0.885714
db5	0.963303	0.777778	1
db9	0.908257	0.584746	0.985714
db13	0.922936	0.637255	0.928571
db19	0.80367	0.358779	0.671429
coif1	0.998165	0.985915	1
coif2	0.957798	0.758242	0.985714
coif3	0.917431	0.610619	0.985714
coif4	0.873394	0.50365	0.985714
coif5	0.93945	0.690722	0.957143
sym2	0.99633	1	0.971429
sym3	0.946789	0.759494	0.857143
sym5	0.961468	0.769231	1
sym9	0.955963	0.75	0.985714
sym13	0.875229	0.507937	0.914286
sym19	0.818349	0.385827	0.7
dmey	0.686239	0.214689	0.542857

D1, D2, and D5

	Accuracy	Precision	Recall
db1	0.891743	0.58209	0.557143
db2	0.607339	0.125	0.342857
db3	0.326606	0.09973	0.528571
db5	0.33211	0.144928	0.857143
db9	0.957798	0.758242	0.985714
db13	0.974312	0.833333	1
db19	0.979817	0.864198	1
coif1	0.451376	0.136508	0.614286
coif2	0.330275	0.149644	0.9
coif3	0.906422	0.578512	1
coif4	0.897248	0.5625	0.9
coif5	0.965138	0.793103	0.985714
sym2	0.543119	0.10917	0.357143
sym3	0.33211	0.109043	0.585714
sym5	0.326606	0.142169	0.842857
sym9	0.92844	0.781818	0.614286
sym13	0.972477	0.823529	1
sym19	0.979817	0.864198	1
dmey	0.979817	0.864198	1

D1, D3, and D4

	Accuracy	Precision	Recall
db1	0.976147	0.851852	0.985714
db2	0.99633	0.985714	0.985714
db3	0.966972	0.861111	0.885714
db5	0.99633	0.985714	0.985714
db9	0.990826	0.945205	0.985714
db13	0.99633	0.985714	0.985714
db19	0.979817	0.90411	0.942857
coif1	0.99633	0.985714	0.985714
coif2	0.985321	0.907895	0.985714
coif3	0.992661	0.958333	0.985714
coif4	0.987156	0.92	0.985714
coif5	0.992661	0.958333	0.985714
sym2	0.99633	0.985714	0.985714
sym3	0.966972	0.871429	0.871429
sym5	0.99633	0.985714	0.985714
sym9	0.990826	0.945205	0.985714
sym13	0.992661	0.958333	0.985714
sym19	0.992661	0.958333	0.985714
dmey	0.899083	0.608696	0.6

D1, D3, and D5

	Accuracy	Precision	Recall
db1	0.888073	0.56338	0.571429
db2	0.792661	0.295238	0.442857
db3	0.33211	0.0625	0.3
db5	0.638532	0.160428	0.428571
db9	0.959633	0.766667	0.985714
db13	0.977982	0.8625	0.985714
db19	0.983486	0.896104	0.985714
coif1	0.844037	0.372881	0.314286
coif2	0.779817	0.304688	0.557143
coif3	0.959633	0.766667	0.985714
coif4	0.961468	0.775281	0.985714
coif5	0.977982	0.8625	0.985714
sym2	0.836697	0.369863	0.385714
sym3	0.344954	0.084058	0.414286
sym5	0.897248	0.602941	0.585714
sym9	0.965138	0.793103	0.985714
sym13	0.977982	0.8625	0.985714
sym19	0.985321	0.907895	0.985714
dmey	0.983486	0.896104	0.985714

D1, D4, and D5

	Accuracy	Precision	Recall
db1	0.93945	0.683168	0.985714
db2	0.72844	0.229167	0.471429
db3	0.713761	0.197183	0.4
db5	0.579817	0.195402	0.728571
db9	0.385321	0.02509	0.1
db13	0.963303	0.790698	0.971429
db19	0.977982	0.8625	0.985714
coif1	0.623853	0.139037	0.371429
coif2	0.53211	0.145594	0.542857
coif3	0.948624	0.744186	0.914286
coif4	0.891743	0.548673	0.885714
coif5	0.899083	0.565217	0.928571
sym2	0.788991	0.307692	0.514286
sym3	0.713761	0.205479	0.428571
sym5	0.482569	0.160256	0.714286
sym9	0.884404	0.528926	0.914286
sym13	0.974312	0.833333	1
sym19	0.979817	0.864198	1
dmey	0.977982	0.8625	0.985714

D2, D3, and D4

	Accuracy	Precision	Recall
db1	0.998165	1	0.985714
db2	0.994495	0.971831	0.985714
db3	0.99633	0.985714	0.985714
db5	0.994495	0.971831	0.985714
db9	0.983486	0.896104	0.985714
db13	0.985321	0.907895	0.985714
db19	0.987156	0.92	0.985714
coif1	0.99633	0.985714	0.985714
coif2	0.990826	0.945205	0.985714
coif3	0.988991	0.932432	0.985714
coif4	0.976147	0.851852	0.985714
coif5	0.974312	0.841463	0.985714
sym2	0.99633	0.985714	0.985714
sym3	0.99633	0.985714	0.985714
sym5	0.99633	0.985714	0.985714
sym9	0.977982	0.8625	0.985714
sym13	0.976147	0.851852	0.985714
sym19	0.994495	0.971831	0.985714
dmey	0.570642	0.219178	0.914286

D2, D3, and D5

	Accuracy	Precision	Recall
db1	0.436697	0.137615	0.642857
db2	0.851376	0.426667	0.457143
db3	0.366972	0.099125	0.485714
db5	0.605505	0.139303	0.4
db9	0.922936	0.818182	0.514286
db13	0.955963	0.767442	0.942857
db19	0.972477	0.831325	0.985714
coif1	0.814679	0.357798	0.557143
coif2	0.811009	0.333333	0.471429
coif3	0.919266	0.825	0.471429
coif4	0.921101	0.813953	0.5
coif5	0.910092	0.705882	0.514286
sym2	0.788991	0.300885	0.485714
sym3	0.405505	0.103125	0.471429
sym5	0.779817	0.259615	0.385714
sym9	0.919266	0.825	0.471429
sym13	0.972477	0.823529	1
sym19	0.977982	0.8625	0.985714
dmey	0.977982	0.8625	0.985714

D2, D4, and D5

	Accuracy	Precision	Recall
db1	0.99633	0.985714	0.985714
db2	0.919266	0.825	0.471429
db3	0.359633	0.137662	0.757143
db5	0.418349	0.144092	0.714286
db9	0.565138	0.191882	0.742857
db13	0.726606	0.263473	0.628571
db19	0.52844	0.149813	0.571429
coif1	0.917431	0.790698	0.485714
coif2	0.774312	0.291339	0.528571
coif3	0.499083	0.173633	0.771429
coif4	0.546789	0.189474	0.771429
coif5	0.943119	0.830508	0.7
sym2	0.919266	0.825	0.471429
sym3	0.359633	0.128	0.685714
sym5	0.522936	0.155797	0.614286
sym9	0.933945	0.814815	0.628571
sym13	0.814679	0.371901	0.642857
sym19	0.577982	0.172131	0.6
dmey	0.60367	0.205645	0.728571

D3, D4, and D5

	Accuracy	Precision	Recall
db1	0.921101	0.675325	0.742857
db2	0.895413	0.594203	0.585714
db3	0.588991	0.15	0.471429
db5	0.93578	0.676768	0.957143
db9	0.930275	0.775862	0.642857
db13	0.955963	0.794872	0.885714
db19	0.977982	0.8625	0.985714
coif1	0.838532	0.411765	0.6
coif2	0.915596	0.681818	0.642857
coif3	0.921101	0.721311	0.628571
coif4	0.92844	0.781818	0.614286
coif5	0.946789	0.825397	0.742857
sym2	0.899083	0.60274	0.628571
sym3	0.66789	0.209424	0.571429
sym5	0.902752	0.644068	0.542857
sym9	0.943119	0.809524	0.728571
sym13	0.977982	0.853659	1
sym19	0.977982	0.8625	0.985714
dmey	0.977982	0.8625	0.985714

D1, and D2

	Accuracy	Precision	Recall
db1	0.768807	0.033333	0.028571
db2	0.985321	0.942857	0.942857
db3	0.574312	0.05	0.128571
db5	0.904587	0.660714	0.528571
db9	0.933945	0.7125	0.814286
db13	0.886239	0.54878	0.642857
db19	0.952294	0.854839	0.757143
coif1	0.851376	0.433735	0.514286
coif2	0.66789	0.100719	0.2
coif3	0.847706	0.421687	0.5
coif4	0.873394	0.507042	0.514286
coif5	0.73211	0.068182	0.085714
sym2	0.981651	0.916667	0.942857
sym3	0.533945	0.044554	0.128571
sym5	0.741284	0.10989	0.142857
sym9	0.699083	0.064815	0.1
sym13	0.834862	0.361111	0.371429
sym19	0.869725	0.492537	0.471429
dmey	0.899083	0.627119	0.528571

D1, and D3

	Accuracy	Precision	Recall
db1	0.631193	0.249042	0.928571
db2	0.99633	0.972222	1
db3	0.998165	0.985915	1
db5	0.99633	0.972222	1
db9	0.987156	0.956522	0.942857
db13	0.988991	0.932432	0.985714
db19	0.987156	0.931507	0.971429
coif1	0.992661	0.945946	1
coif2	0.99633	0.972222	1
coif3	0.992661	0.945946	1
coif4	0.988991	0.944444	0.971429
coif5	0.990826	0.933333	1
sym2	0.998165	0.985915	1
sym3	0.998165	0.985915	1
sym5	0.998165	0.985915	1
sym9	0.987156	0.931507	0.971429
sym13	0.983486	0.917808	0.957143
sym19	0.987156	0.931507	0.971429
dmey	0.983486	0.929577	0.942857

D1, and D4

	Accuracy	Precision	Recall
db1	0.968807	0.811765	0.985714
db2	0.99633	0.985714	0.985714
db3	0.992661	0.958333	0.985714
db5	0.994495	0.971831	0.985714
db9	0.987156	0.92	0.985714
db13	0.961468	0.781609	0.971429
db19	0.944954	0.704082	0.985714
coif1	0.994495	0.971831	0.985714
coif2	0.992661	0.958333	0.985714
coif3	0.988991	0.932432	0.985714
coif4	0.983486	0.896104	0.985714
coif5	0.93578	0.669903	0.985714
sym2	0.99633	0.985714	0.985714
sym3	0.988991	0.944444	0.971429
sym5	0.994495	0.971831	0.985714
sym9	0.972477	0.831325	0.985714
sym13	0.915596	0.605263	0.985714
sym19	0.952294	0.734043	0.985714
dmey	0.86422	0.477273	0.6

D1, and D5

	Accuracy	Precision	Recall
db1	0.99633	1	0.971429
db2	0.636697	0.206422	0.642857
db3	0.842202	0.416667	0.571429
db5	0.957798	0.758242	0.985714
db9	0.961468	0.775281	0.985714
db13	0.977982	0.8625	0.985714
db19	0.977982	0.8625	0.985714
coif1	0.500917	0.128676	0.5
coif2	0.952294	0.744444	0.957143
coif3	0.954128	0.741935	0.985714
coif4	0.963303	0.784091	0.985714
coif5	0.977982	0.8625	0.985714
sym2	0.555963	0.164063	0.6
sym3	0.816514	0.361111	0.557143
sym5	0.957798	0.764045	0.971429
sym9	0.913761	0.605505	0.942857
sym13	0.977982	0.8625	0.985714
sym19	0.977982	0.8625	0.985714
dmey	0.977982	0.8625	0.985714

D2, and D3

	Accuracy	Precision	Recall
db1	0.99633	0.985714	0.985714
db2	0.66055	0.272727	0.985714
db3	0.998165	1	0.985714
db5	0.99633	0.972222	1
db9	0.987156	0.931507	0.971429
db13	0.985321	0.942857	0.942857
db19	0.981651	0.916667	0.942857
coif1	0.790826	0.380435	1
coif2	0.998165	0.985915	1
coif3	0.992661	0.958333	0.985714
coif4	0.992661	0.958333	0.985714
coif5	0.987156	0.931507	0.971429
sym2	0.888073	0.534351	1
sym3	0.99633	1	0.971429
sym5	0.998165	0.985915	1
sym9	0.992661	0.958333	0.985714
sym13	0.985321	0.942857	0.942857
sym19	0.985321	0.918919	0.971429
dmey	0.983486	0.955224	0.914286

D2, and D4

	Accuracy	Precision	Recall
db1	0.998165	1	0.985714
db2	0.99633	0.985714	0.985714
db3	0.998165	1	0.985714
db5	0.99633	0.985714	0.985714
db9	0.979817	0.873418	0.985714
db13	0.988991	0.932432	0.985714
db19	0.994495	0.971831	0.985714
coif1	0.99633	0.985714	0.985714
coif2	0.988991	0.932432	0.985714
coif3	0.990826	0.945205	0.985714
coif4	0.979817	0.873418	0.985714
coif5	0.976147	0.851852	0.985714
sym2	0.99633	0.985714	0.985714
sym3	0.99633	0.985714	0.985714
sym5	0.99633	0.985714	0.985714
sym9	0.977982	0.8625	0.985714
sym13	0.977982	0.8625	0.985714
sym19	0.990826	0.945205	0.985714
dmey	0.633028	0.253788	0.957143

D2, and D5

	Accuracy	Precision	Recall
db1	0.998165	1	0.985714
db2	0.944954	0.7	1
db3	0.427523	0.158192	0.8
db5	0.943119	0.819672	0.714286
db9	0.950459	0.830769	0.771429
db13	0.93945	0.803279	0.7
db19	0.979817	0.864198	1
coif1	0.954128	0.736842	1
coif2	0.943119	0.746835	0.842857
coif3	0.933945	0.803571	0.642857
coif4	0.93211	0.8	0.628571
coif5	0.965138	0.793103	0.985714
sym2	0.948624	0.714286	1
sym3	0.440367	0.165242	0.828571
sym5	0.948624	0.83871	0.742857
sym9	0.966972	0.802326	0.985714
sym13	0.977982	0.8625	0.985714
sym19	0.977982	0.8625	0.985714
dmey	0.977982	0.8625	0.985714

D3, and D4

	Accuracy	Precision	Recall
db1	0.919266	0.618182	0.971429
db2	0.926606	0.638889	0.985714
db3	0.937615	0.676471	0.985714
db5	0.952294	0.734043	0.985714
db9	0.952294	0.734043	0.985714
db13	0.946789	0.71134	0.985714
db19	0.93578	0.669903	0.985714
coif1	0.917431	0.616822	0.942857
coif2	0.93945	0.683168	0.985714
coif3	0.948624	0.71875	0.985714
coif4	0.943119	0.69697	0.985714
coif5	0.955963	0.761364	0.957143
sym2	0.926606	0.638889	0.985714
sym3	0.933945	0.663462	0.985714
sym5	0.944954	0.704082	0.985714
sym9	0.954128	0.758621	0.942857
sym13	0.93211	0.657143	0.985714
sym19	0.950459	0.726316	0.985714
dmey	0.915596	0.607143	0.971429

D3, and D5

	Accuracy	Precision	Recall
db1	0.919266	0.675676	0.714286
db2	0.900917	0.614286	0.614286
db3	0.73211	0.25	0.542857
db5	0.933945	0.673469	0.942857
db9	0.93578	0.807018	0.657143
db13	0.957798	0.813333	0.871429
db19	0.977982	0.8625	0.985714
coif1	0.889908	0.573529	0.557143
coif2	0.913761	0.671642	0.642857
coif3	0.917431	0.719298	0.585714
coif4	0.93211	0.8	0.628571
coif5	0.943119	0.819672	0.714286
sym2	0.893578	0.583333	0.6
sym3	0.675229	0.222798	0.614286
sym5	0.904587	0.655172	0.542857
sym9	0.946789	0.825397	0.742857
sym13	0.974312	0.858974	0.957143
sym19	0.977982	0.8625	0.985714
dmey	0.977982	0.8625	0.985714

D4, and D5

	Accuracy	Precision	Recall
db1	0.882569	0.522727	0.985714
db2	0.321101	0.092391	0.485714
db3	0.93211	0.660194	0.971429
db5	0.633028	0.1875	0.557143
db9	0.423853	0.076389	0.314286
db13	0.634862	0.191388	0.571429
db19	0.416514	0.102564	0.457143
coif1	0.910092	0.598131	0.914286
coif2	0.917431	0.637363	0.828571
coif3	0.849541	0.4375	0.6
coif4	0.620183	0.190045	0.6
coif5	0.181651	0.064815	0.4
sym2	0.341284	0.106267	0.557143
sym3	0.933945	0.663462	0.985714
sym5	0.893578	0.581081	0.614286
sym9	0.590826	0.174468	0.585714
sym13	0.711927	0.239521	0.571429
sym19	0.306422	0.115	0.657143
dmey	0.387156	0.092593	0.428571

A.6 Gaussian Kernel

D1, D2, D3, D4, and D5

	Accuracy	Precision	Recall
db1	0.919266	1	0.371429
db2	0.922936	1	0.4
db3	0.922936	1	0.4
db5	0.922936	1	0.4
db9	0.924771	1	0.414286
db13	0.922936	1	0.4
db19	0.924771	1	0.414286
coif1	0.924771	1	0.414286
coif2	0.92844	1	0.442857
coif3	0.917431	1	0.357143
coif4	0.921101	1	0.385714
coif5	0.921101	1	0.385714
sym2	0.922936	1	0.4
sym3	0.924771	1	0.414286
sym5	0.924771	1	0.414286
sym9	0.924771	1	0.414286
sym13	0.921101	1	0.385714
sym19	0.922936	1	0.4
dmey	0.919266	1	0.371429

D2, D3, D4, and D5

	Accuracy	Precision	Recall
db1	0.919266	1	0.371429
db2	0.922936	1	0.4
db3	0.921101	1	0.385714
db5	0.924771	1	0.414286
db9	0.924771	1	0.414286
db13	0.924771	1	0.414286
db19	0.921101	1	0.385714
coif1	0.92844	1	0.442857
coif2	0.930275	1	0.457143
coif3	0.919266	1	0.371429
coif4	0.917431	1	0.357143
coif5	0.921101	1	0.385714
sym2	0.924771	1	0.414286
sym3	0.924771	1	0.414286
sym5	0.924771	1	0.414286
sym9	0.924771	1	0.414286
sym13	0.922936	1	0.4
sym19	0.924771	1	0.414286
dmey	0.917431	1	0.357143

D1, D3, D4, and D5

	Accuracy	Precision	Recall
db1	0.922936	1	0.4
db2	0.922936	1	0.4
db3	0.924771	1	0.414286
db5	0.924771	1	0.414286
db9	0.924771	1	0.414286
db13	0.924771	1	0.414286
db19	0.924771	1	0.414286
coif1	0.926606	1	0.428571
coif2	0.930275	1	0.457143
coif3	0.922936	1	0.4
coif4	0.921101	1	0.385714
coif5	0.921101	1	0.385714
sym2	0.922936	1	0.4
sym3	0.922936	1	0.4
sym5	0.924771	1	0.414286
sym9	0.924771	1	0.414286
sym13	0.922936	1	0.4
sym19	0.924771	1	0.414286
dmey	0.921101	1	0.385714

D1, D2, D4, and D5

	Accuracy	Precision	Recall
db1	0.922936	1	0.4
db2	0.926606	1	0.428571
db3	0.924771	1	0.414286
db5	0.922936	1	0.4
db9	0.924771	1	0.414286
db13	0.924771	1	0.414286
db19	0.921101	1	0.385714
coif1	0.92844	1	0.442857
coif2	0.930275	1	0.457143
coif3	0.921101	1	0.385714
coif4	0.921101	1	0.385714
coif5	0.919266	1	0.371429
sym2	0.924771	1	0.414286
sym3	0.922936	1	0.4
sym5	0.924771	1	0.414286
sym9	0.924771	1	0.414286
sym13	0.922936	1	0.4
sym19	0.926606	1	0.428571
dmey	0.917431	1	0.357143

D1, D2, D3, and D5

	Accuracy	Precision	Recall
db1	0.924771	1	0.414286
db2	0.933945	1	0.485714
db3	0.924771	1	0.414286
db5	0.924771	1	0.414286
db9	0.926606	1	0.428571
db13	0.924771	1	0.414286
db19	0.93211	1	0.471429
coif1	0.92844	1	0.442857
coif2	0.93211	1	0.471429
coif3	0.930275	1	0.457143
coif4	0.93578	1	0.5
coif5	0.924771	1	0.414286
sym2	0.930275	1	0.457143
sym3	0.926606	1	0.428571
sym5	0.924771	1	0.414286
sym9	0.924771	1	0.414286
sym13	0.933945	1	0.485714
sym19	0.924771	1	0.414286
dmey	0.924771	1	0.414286

D1, D2, D3, and D4

	Accuracy	Precision	Recall
db1	0.943119	1	0.557143
db2	0.952294	1	0.628571
db3	0.957798	1	0.671429
db5	0.954128	1	0.642857
db9	0.959633	1	0.685714
db13	0.963303	1	0.714286
db19	0.966972	1	0.742857
coif1	0.955963	1	0.657143
coif2	0.961468	1	0.7
coif3	0.965138	1	0.728571
coif4	0.957798	1	0.671429
coif5	0.957798	1	0.671429
sym2	0.952294	1	0.628571
sym3	0.959633	1	0.685714
sym5	0.959633	1	0.685714
sym9	0.965138	1	0.728571
sym13	0.955963	1	0.657143
sym19	0.965138	1	0.728571
dmey	0.955963	1	0.657143

D1, D2, and D3

	Accuracy	Precision	Recall
db1	0.983486	1	0.871429
db2	0.990826	1	0.928571
db3	0.990826	1	0.928571
db5	0.988991	0.970588	0.942857
db9	0.987156	0.943662	0.957143
db13	0.988991	0.957143	0.957143
db19	0.987156	0.943662	0.957143
coif1	0.988991	1	0.914286
coif2	0.992661	1	0.942857
coif3	0.988991	0.957143	0.957143
coif4	0.988991	0.957143	0.957143
coif5	0.988991	0.957143	0.957143
sym2	0.990826	1	0.928571
sym3	0.990826	1	0.928571
sym5	0.988991	0.970588	0.942857
sym9	0.987156	0.943662	0.957143
sym13	0.987156	0.956522	0.942857
sym19	0.988991	0.957143	0.957143
dmey	0.985321	0.942857	0.942857

D1, D2, and D4

	Accuracy	Precision	Recall
db1	0.954128	1	0.642857
db2	0.963303	1	0.714286
db3	0.970642	1	0.771429
db5	0.963303	1	0.714286
db9	0.968807	1	0.757143
db13	0.977982	1	0.828571
db19	0.972477	1	0.785714
coif1	0.955963	1	0.657143
coif2	0.959633	1	0.685714
coif3	0.968807	1	0.757143
coif4	0.970642	1	0.771429
coif5	0.965138	1	0.728571
sym2	0.963303	1	0.714286
sym3	0.970642	1	0.771429
sym5	0.966972	1	0.742857
sym9	0.961468	1	0.7
sym13	0.966972	1	0.742857
sym19	0.972477	1	0.785714
dmey	0.965138	1	0.728571

D1, D2, and D5

	Accuracy	Precision	Recall
db1	0.933945	1	0.485714
db2	0.941284	1	0.542857
db3	0.933945	1	0.485714
db5	0.930275	1	0.457143
db9	0.937615	1	0.514286
db13	0.933945	1	0.485714
db19	0.937615	1	0.514286
coif1	0.93945	1	0.528571
coif2	0.93578	1	0.5
coif3	0.93578	1	0.5
coif4	0.950459	1	0.614286
coif5	0.93945	1	0.528571
sym2	0.941284	1	0.542857
sym3	0.930275	1	0.457143
sym5	0.92844	1	0.442857
sym9	0.930275	1	0.457143
sym13	0.952294	1	0.628571
sym19	0.92844	1	0.442857
dmey	0.93578	1	0.5

D1, D3, and D4

	Accuracy	Precision	Recall
db1	0.946789	1	0.585714
db2	0.955963	1	0.657143
db3	0.961468	1	0.7
db5	0.961468	1	0.7
db9	0.963303	1	0.714286
db13	0.970642	1	0.771429
db19	0.966972	1	0.742857
coif1	0.952294	1	0.628571
coif2	0.961468	1	0.7
coif3	0.968807	1	0.757143
coif4	0.968807	1	0.757143
coif5	0.957798	1	0.671429
sym2	0.955963	1	0.657143
sym3	0.959633	1	0.685714
sym5	0.959633	1	0.685714
sym9	0.961468	1	0.7
sym13	0.955963	1	0.657143
sym19	0.963303	1	0.714286
dmey	0.957798	1	0.671429

D1, D3, and D5

	Accuracy	Precision	Recall
db1	0.924771	1	0.414286
db2	0.933945	1	0.485714
db3	0.926606	1	0.428571
db5	0.93211	1	0.471429
db9	0.926606	1	0.428571
db13	0.926606	1	0.428571
db19	0.93211	1	0.471429
coif1	0.930275	1	0.457143
coif2	0.93578	1	0.5
coif3	0.930275	1	0.457143
coif4	0.941284	1	0.542857
coif5	0.933945	1	0.485714
sym2	0.933945	1	0.485714
sym3	0.930275	1	0.457143
sym5	0.924771	1	0.414286
sym9	0.926606	1	0.428571
sym13	0.93578	1	0.5
sym19	0.926606	1	0.428571
dmey	0.92844	1	0.442857

D1, D4, and D5

	Accuracy	Precision	Recall
db1	0.922936	1	0.4
db2	0.926606	1	0.428571
db3	0.924771	1	0.414286
db5	0.924771	1	0.414286
db9	0.924771	1	0.414286
db13	0.924771	1	0.414286
db19	0.924771	1	0.414286
coif1	0.92844	1	0.442857
coif2	0.930275	1	0.457143
coif3	0.926606	1	0.428571
coif4	0.921101	1	0.385714
coif5	0.926606	1	0.428571
sym2	0.92844	1	0.442857
sym3	0.924771	1	0.414286
sym5	0.92844	1	0.442857
sym9	0.924771	1	0.414286
sym13	0.924771	1	0.414286
sym19	0.92844	1	0.442857
dmey	0.924771	1	0.414286

D2, D3, and D4

	Accuracy	Precision	Recall
db1	0.948624	1	0.6
db2	0.957798	1	0.671429
db3	0.961468	1	0.7
db5	0.955963	1	0.657143
db9	0.961468	1	0.7
db13	0.970642	1	0.771429
db19	0.966972	1	0.742857
coif1	0.955963	1	0.657143
coif2	0.963303	1	0.714286
coif3	0.970642	1	0.771429
coif4	0.959633	1	0.685714
coif5	0.959633	1	0.685714
sym2	0.957798	1	0.671429
sym3	0.955963	1	0.657143
sym5	0.963303	1	0.714286
sym9	0.965138	1	0.728571
sym13	0.959633	1	0.685714
sym19	0.963303	1	0.714286
dmey	0.955963	1	0.657143

D2, D3, and D5

	Accuracy	Precision	Recall
db1	0.921101	1	0.385714
db2	0.93578	1	0.5
db3	0.92844	1	0.442857
db5	0.92844	1	0.442857
db9	0.926606	1	0.428571
db13	0.924771	1	0.414286
db19	0.93211	1	0.471429
coif1	0.93211	1	0.471429
coif2	0.93211	1	0.471429
coif3	0.92844	1	0.442857
coif4	0.941284	1	0.542857
coif5	0.92844	1	0.442857
sym2	0.93211	1	0.471429
sym3	0.924771	1	0.414286
sym5	0.924771	1	0.414286
sym9	0.926606	1	0.428571
sym13	0.933945	1	0.485714
sym19	0.92844	1	0.442857
dmey	0.924771	1	0.414286

D2, D4, and D5

	Accuracy	Precision	Recall
db1	0.922936	1	0.4
db2	0.926606	1	0.428571
db3	0.924771	1	0.414286
db5	0.924771	1	0.414286
db9	0.924771	1	0.414286
db13	0.922936	1	0.4
db19	0.924771	1	0.414286
coif1	0.92844	1	0.442857
coif2	0.930275	1	0.457143
coif3	0.926606	1	0.428571
coif4	0.921101	1	0.385714
coif5	0.921101	1	0.385714
sym2	0.92844	1	0.442857
sym3	0.924771	1	0.414286
sym5	0.921101	1	0.385714
sym9	0.924771	1	0.414286
sym13	0.924771	1	0.414286
sym19	0.926606	1	0.428571
dmey	0.922936	1	0.4

D3, D4, and D5

	Accuracy	Precision	Recall
db1	0.919266	1	0.371429
db2	0.926606	1	0.428571
db3	0.924771	1	0.414286
db5	0.924771	1	0.414286
db9	0.926606	1	0.428571
db13	0.921101	1	0.385714
db19	0.926606	1	0.428571
coif1	0.92844	1	0.442857
coif2	0.93211	1	0.471429
coif3	0.926606	1	0.428571
coif4	0.924771	1	0.414286
coif5	0.921101	1	0.385714
sym2	0.93211	1	0.471429
sym3	0.930275	1	0.457143
sym5	0.921101	1	0.385714
sym9	0.924771	1	0.414286
sym13	0.926606	1	0.428571
sym19	0.926606	1	0.428571
dmey	0.922936	1	0.4

D1, and D2

	Accuracy	Precision	Recall
db1	0.965138	0.849315	0.885714
db2	0.970642	0.95	0.814286
db3	0.93578	0.87234	0.585714
db5	0.93945	0.911111	0.585714
db9	0.944954	0.97619	0.585714
db13	0.948624	1	0.6
db19	0.944954	0.97619	0.585714
coif1	0.974312	0.951613	0.842857
coif2	0.943119	0.953488	0.585714
coif3	0.944954	0.97619	0.585714
coif4	0.948624	1	0.6
coif5	0.946789	1	0.585714
sym2	0.972477	0.966102	0.814286
sym3	0.937615	0.891304	0.585714
sym5	0.941284	0.952381	0.571429
sym9	0.944954	1	0.571429
sym13	0.948624	1	0.6
sym19	0.944954	0.97619	0.585714
dmey	0.950459	1	0.614286

D1, and D3

	Accuracy	Precision	Recall
db1	0.981651	1	0.857143
db2	0.990826	1	0.928571
db3	0.990826	1	0.928571
db5	0.988991	0.970588	0.942857
db9	0.987156	0.943662	0.957143
db13	0.988991	0.957143	0.957143
db19	0.990826	0.971014	0.957143
coif1	0.988991	1	0.914286
coif2	0.992661	1	0.942857
coif3	0.990826	0.971014	0.957143
coif4	0.990826	0.971014	0.957143
coif5	0.987156	0.943662	0.957143
sym2	0.988991	1	0.914286
sym3	0.990826	1	0.928571
sym5	0.988991	0.970588	0.942857
sym9	0.987156	0.943662	0.957143
sym13	0.983486	0.929577	0.942857
sym19	0.988991	0.957143	0.957143
dmey	0.985321	0.955882	0.928571

D1, and D4

	Accuracy	Precision	Recall
db1	0.941284	1	0.542857
db2	0.952294	1	0.628571
db3	0.957798	1	0.671429
db5	0.954128	1	0.642857
db9	0.961468	1	0.7
db13	0.968807	1	0.757143
db19	0.966972	1	0.742857
coif1	0.955963	1	0.657143
coif2	0.965138	1	0.728571
coif3	0.968807	1	0.757143
coif4	0.954128	1	0.642857
coif5	0.954128	1	0.642857
sym2	0.954128	1	0.642857
sym3	0.957798	1	0.671429
sym5	0.959633	1	0.685714
sym9	0.968807	1	0.757143
sym13	0.957798	1	0.671429
sym19	0.965138	1	0.728571
dmey	0.952294	1	0.628571

D1, and D5

	Accuracy	Precision	Recall
db1	0.922936	1	0.4
db2	0.922936	1	0.4
db3	0.922936	1	0.4
db5	0.922936	1	0.4
db9	0.924771	1	0.414286
db13	0.924771	1	0.414286
db19	0.924771	1	0.414286
coif1	0.921101	1	0.385714
coif2	0.930275	1	0.457143
coif3	0.919266	1	0.371429
coif4	0.921101	1	0.385714
coif5	0.921101	1	0.385714
sym2	0.919266	1	0.371429
sym3	0.924771	1	0.414286
sym5	0.924771	1	0.414286
sym9	0.924771	1	0.414286
sym13	0.921101	1	0.385714
sym19	0.921101	1	0.385714
dmey	0.921101	1	0.385714

D2, and D3

	Accuracy	Precision	Recall
db1	0.987156	1	0.9
db2	0.992661	1	0.942857
db3	0.994495	1	0.957143
db5	0.99633	1	0.971429
db9	0.990826	0.945205	0.985714
db13	0.987156	0.931507	0.971429
db19	0.988991	0.932432	0.985714
coif1	0.992661	1	0.942857
coif2	0.99633	1	0.971429
coif3	0.992661	0.958333	0.985714
coif4	0.990826	0.945205	0.985714
coif5	0.988991	0.944444	0.971429
sym2	0.992661	1	0.942857
sym3	0.994495	1	0.957143
sym5	0.994495	0.985507	0.971429
sym9	0.990826	0.945205	0.985714
sym13	0.987156	0.931507	0.971429
sym19	0.988991	0.932432	0.985714
dmey	0.981651	0.941176	0.914286

D2, and D4

	Accuracy	Precision	Recall
db1	0.946789	1	0.585714
db2	0.955963	1	0.657143
db3	0.957798	1	0.671429
db5	0.959633	1	0.685714
db9	0.961468	1	0.7
db13	0.961468	1	0.7
db19	0.966972	1	0.742857
coif1	0.954128	1	0.642857
coif2	0.954128	1	0.642857
coif3	0.968807	1	0.757143
coif4	0.966972	1	0.742857
coif5	0.959633	1	0.685714
sym2	0.959633	1	0.685714
sym3	0.961468	1	0.7
sym5	0.959633	1	0.685714
sym9	0.963303	1	0.714286
sym13	0.959633	1	0.685714
sym19	0.963303	1	0.714286
dmey	0.952294	1	0.628571

D2, and D5

	Accuracy	Precision	Recall
db1	0.922936	1	0.4
db2	0.924771	1	0.414286
db3	0.924771	1	0.414286
db5	0.922936	1	0.4
db9	0.924771	1	0.414286
db13	0.924771	1	0.414286
db19	0.924771	1	0.414286
coif1	0.924771	1	0.414286
coif2	0.930275	1	0.457143
coif3	0.919266	1	0.371429
coif4	0.921101	1	0.385714
coif5	0.921101	1	0.385714
sym2	0.922936	1	0.4
sym3	0.924771	1	0.414286
sym5	0.924771	1	0.414286
sym9	0.924771	1	0.414286
sym13	0.921101	1	0.385714
sym19	0.921101	1	0.385714
dmey	0.917431	1	0.357143

D3, and D4

	Accuracy	Precision	Recall
db1	0.955963	1	0.657143
db2	0.968807	1	0.757143
db3	0.970642	1	0.771429
db5	0.970642	1	0.771429
db9	0.966972	1	0.742857
db13	0.977982	1	0.828571
db19	0.972477	1	0.785714
coif1	0.957798	1	0.671429
coif2	0.963303	1	0.714286
coif3	0.970642	1	0.771429
coif4	0.972477	1	0.785714
coif5	0.968807	1	0.757143
sym2	0.959633	1	0.685714
sym3	0.968807	1	0.757143
sym5	0.974312	1	0.8
sym9	0.968807	1	0.757143
sym13	0.972477	1	0.785714
sym19	0.972477	1	0.785714
dmey	0.961468	1	0.7

D3, and D5

	Accuracy	Precision	Recall
db1	0.922936	1	0.4
db2	0.926606	1	0.428571
db3	0.930275	1	0.457143
db5	0.924771	1	0.414286
db9	0.926606	1	0.428571
db13	0.922936	1	0.4
db19	0.926606	1	0.428571
coif1	0.92844	1	0.442857
coif2	0.930275	1	0.457143
coif3	0.92844	1	0.442857
coif4	0.924771	1	0.414286
coif5	0.924771	1	0.414286
sym2	0.93211	1	0.471429
sym3	0.930275	1	0.457143
sym5	0.924771	1	0.414286
sym9	0.924771	1	0.414286
sym13	0.922936	1	0.4
sym19	0.922936	1	0.4
dmey	0.924771	1	0.414286

D4, and D5

	Accuracy	Precision	Recall
db1	0.919266	0.964286	0.385714
db2	0.92844	0.969697	0.457143
db3	0.926606	0.96875	0.442857
db5	0.93578	1	0.5
db9	0.926606	1	0.428571
db13	0.933945	1	0.485714
db19	0.944954	1	0.571429
coif1	0.917431	0.962963	0.371429
coif2	0.930275	0.944444	0.485714
coif3	0.937615	1	0.514286
coif4	0.93211	0.945946	0.5
coif5	0.924771	0.853659	0.5
sym2	0.924771	0.914286	0.457143
sym3	0.926606	0.96875	0.442857
sym5	0.93211	0.945946	0.5
sym9	0.92844	0.942857	0.471429
sym13	0.930275	1	0.457143
sym19	0.948624	1	0.6
dmey	0.92844	0.942857	0.471429

APPENDIX B. BILL OF MATERIALS FOR THE REVISED ARC GENERATOR

PARTS	COST
DRV8412 Integrated Motor Driver for Brushed and Stepper Motors with Piccolo F28035 control CARD	\$199.00
C-Beam Linear Actuator Bundle	\$94.95
Anti-Backlash Nut Block for 8mm Metric Acme Lead Screw	\$9.85
Polycarbonate Sheet: Impact- Resistant Standard Sheet: ½” x 12” x 48”	\$102.46
Polycarbonate Sheet: Impact-Resistant Standard Sheet: ¼” x 24” x 48”	\$79.86
Multipurpose Garolite G-10 Rectangular Bars – Smooth Finish	\$67.44
Box of Alloy Steel Socket Head Cap Screws – Black Oxide Alloy Steel	\$7.20
4 ft. of 1/8” x 2” x 2” of Highly Corrosion-Resistant Architectural 6063 Aluminum	\$18.91
Box of Nonmarring Flat Point Set Screws – 18-8 Stainless Steel	\$3.40
TOTAL COST:	\$583.10