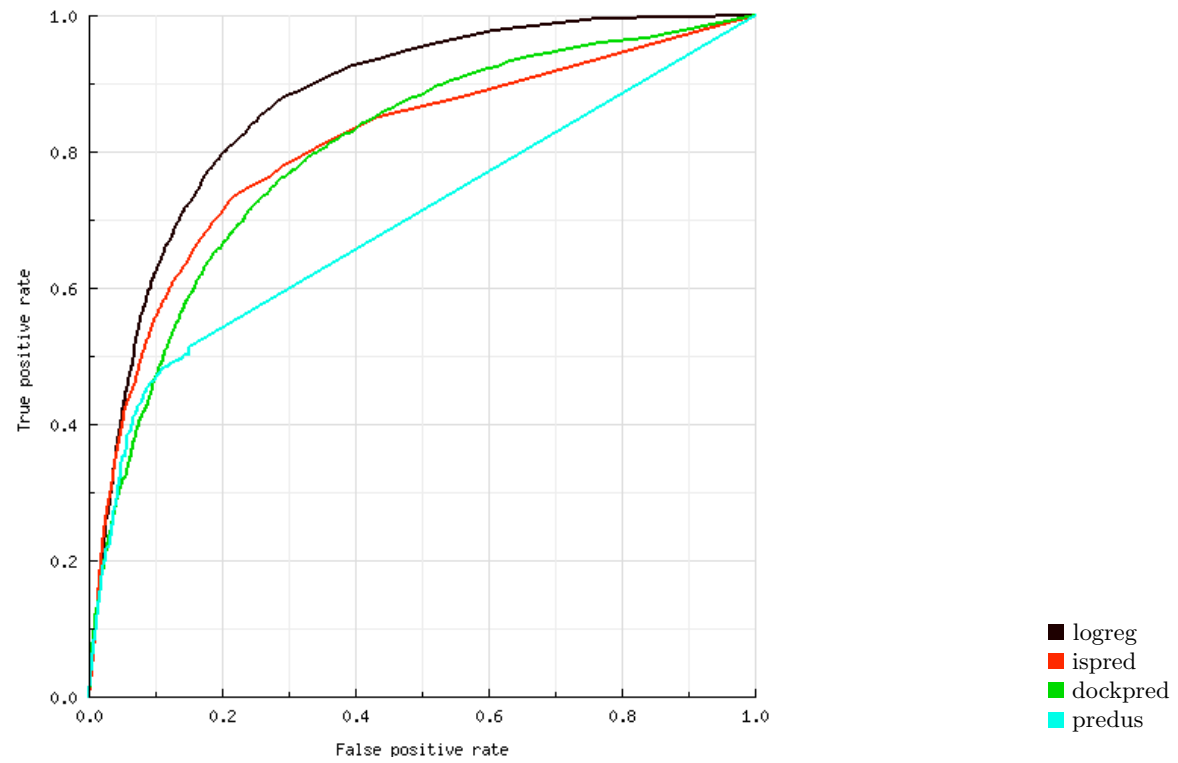


StAR Report for the Analysis of ROC Curves

Generated at <http://melolab.org/star>

July 6, 2020

1 ROC Plots



2 Summary Statistics

Classifier	AUC	Inverted	ACC	OT	fp	tp	N	P
logreg	0.8731	+	0.7995	0.0530	0.1789	0.7732	5243	4316
ispred	0.8076	+	0.7614	0.0900	0.2142	0.7317	5243	4316
dockpred	0.8018	+	0.7399	0.1230	0.1883	0.6527	5243	4316
predus	0.6985	+	0.7060	0.0780	0.0929	0.4618	5243	4316

AUC: area under the ROC curve. ACC: maximal accuracy. OT: optimal threshold.

fp: false positive rate at OT. tp: true positive rate at OT.

N: number of negative instances. P: number of positive instances.

3 Statistical Analysis I

	logreg	ispred	dockpred	predus
logreg	-	0.06550	0.07129	0.17459
ispred	0.00000	-	0.00579	0.10909
dockpred	0.00000	0.27872	-	0.10330
predus	0.00000	0.00000	0.00000	-

Significance Level (alpha): **0.05**

Upper Triangle: AUC differences

Bottom Triangle: p-values

p-value <0.05

p-value >0.05

Global p-value: 1.31551e-80

4 Statistical Analysis II

	logreg	ispred	dockpred	predus
logreg	1.2679e-5	1.2984e-5	9.9424e-6	7.4614e-6
ispred	1.2984e-5	2.0626e-5	6.2820e-6	5.0569e-6
dockpred	9.9424e-6	6.2820e-6	2.0494e-5	7.7193e-6
predus	7.4614e-6	5.0569e-6	7.7193e-6	2.0811e-5

Covariance Matrix