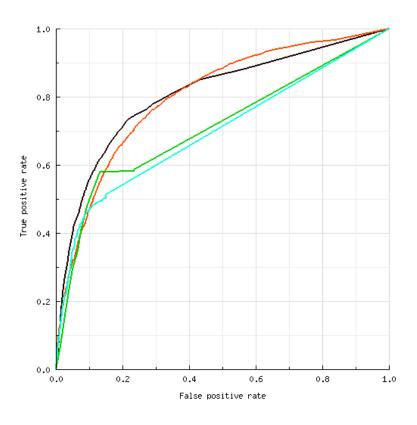# StAR Report for the Analysis of ROC Curves

Generated at http://melolab.org/star

July 6, 2020

1 ROC Plots

2 Summary Statistics

Classifier	AUC	Inverted	ACC	OT	fp	tp	N	P
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
rfscore	0.7113	+	0.7376	0.0910	0.1326	0.5799	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

	ispred	dockpred	rfscore	predus
ispred	-	0.00579	0.09632	0.10909
dockpred	0.27872	-	0.09053	0.10330
rfscore	0.00000	0.00000	-	0.01277
predus	0.00000	0.00000	0.00928	-

Significance Level (alpha): **0.05**
Upper Triangle: AUC differences
Bottom Triangle: p-values
p-value <0.05
p-value >0.05
Global p-value: N.D. (Matrix LSL $^\mathrm{T}$ is singular)

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4   Statistical Analysis II

	ispred	dockpred	rfscore	predus
ispred	2.0626e-5	6.2820e-6	8.9132e-6	5.0569e-6
dockpred	6.2820e-6	2.0494e-5	7.0297e-6	7.7193e-6
rfscore	8.9132e-6	7.0297e-6	2.3382e-5	1.0043e-5
predus	5.0569e-6	7.7193e-6	1.0043e-5	2.0811e-5

Covariance Matrix