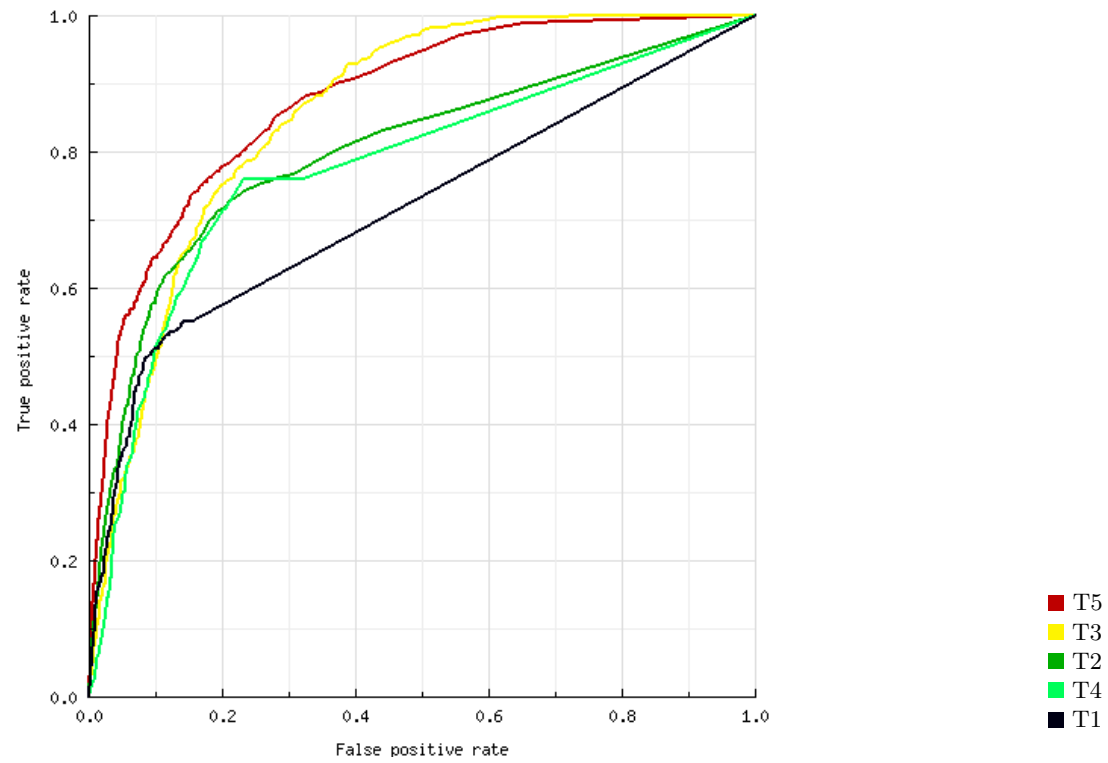


# StAR Report for the Analysis of ROC Curves

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

July 6, 2020

# 1 ROC Plots



## 2 Summary Statistics

Classifier	AUC	Inverted	ACC	OT	fp	tp	N	P
T5	0.8765	+	0.9197	0.2850	0.0269	0.4008	4754	489
T3	0.8564	+	0.9069	0.9720	0.0032	0.0327	4754	489
T2	0.8010	+	0.9104	0.9500	0.0179	0.2127	4754	489
T4	0.7781	+	0.9067	1.0000	0.0000	0.0000	4754	489
T1	0.7183	+	0.9105	0.5340	0.0095	0.1329	4754	489

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

	T5	T3	T2	T4	T1
T5	-	0.02013	0.07554	0.09841	0.15825
T3	0.00074	-	0.05541	0.07829	0.13813
T2	0.00000	0.00000	-	0.02287	0.08272
T4	0.00000	0.00000	0.05601	-	0.05984
T1	0.00000	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: 3.0349e-317

## 4 Statistical Analysis II

	T5	T3	T2	T4	T1
T5	6.2571e-5	3.8458e-5	7.4029e-5	6.2334e-5	3.9554e-5
T3	3.8458e-5	4.9926e-5	2.9356e-5	4.2386e-5	3.8427e-5
T2	7.4029e-5	2.9356e-5	1.4420e-4	6.9280e-5	2.4652e-5
T4	6.2334e-5	4.2386e-5	6.9280e-5	1.3764e-4	8.0549e-5
T1	3.9554e-5	3.8427e-5	2.4652e-5	8.0549e-5	1.5188e-4

Covariance Matrix