

# AUC results considering all the databases

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## Abstract

In this document we show supplementary material for the paper entitled “Detecting Pneumatic Failures on Temporary Immersion Bioreactors: A Class Imbalance Problem” submitted to the 8<sup>th</sup> Mexican Conference on Pattern Recognition

## 1 Results

In this section, the average AUC results obtained using contrast pattern-based classifier is reported.

Table 1: AUC Results

Name	RUSBoost	HeDex	Coverage	Bagging+iCAEP
pineapple1	0.8905	0.9145	0.7794	0.7500
pineapple2	0.6744	0.9167	0.8140	0.7667
pineapple3	0.9852	0.9600	0.9558	0.9694
pineapple4	0.8556	0.8667	0.8054	0.7728
pineapple5	0.9477	1.0000	0.9145	0.9580
pineapple6	0.9540	1.0000	1.0000	0.8104
pineapple7	0.7846	0.9333	0.8676	0.7667
pineapple8	0.7827	0.9000	0.8223	0.8000
Average	0.8594	<b>0.9364</b>	0.8699	0.8242