

Dataset	Domain	Patterns	Features	Label
DEAM	Genre	1801	389	26
GTZAN	Genre	999	389	10
HOMBURG	Genre	1886	389	9
FMA_SMALL	Genre	7996	389	8
IRMAS	Genre	6700	389	5
MER500	Emotion	493	389	5
emoMusic	Genre	1000	389	8
Soundtracks	Emotion	471	389	8
emotifymusic	Genre	406	389	4
ballroom	Genre	726	389	8
Klaus	Genre	3115	389	14
MIREX-like_mood	Mood	903	385	28
Medley-solos	Instrument	21571	384	8

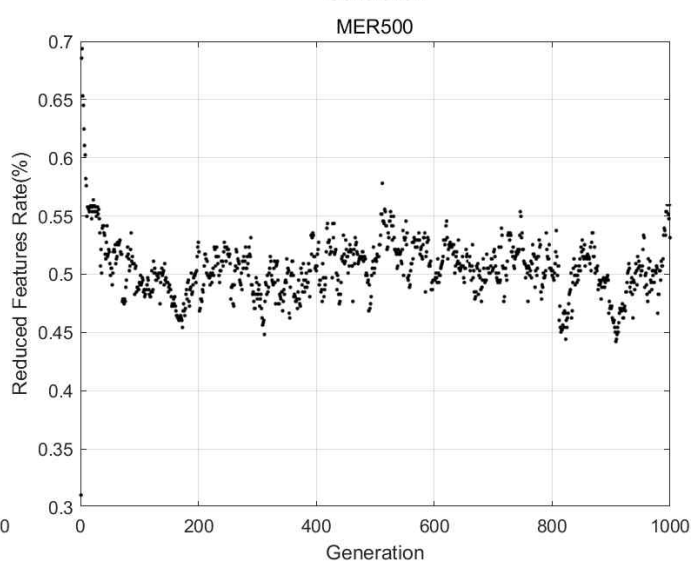
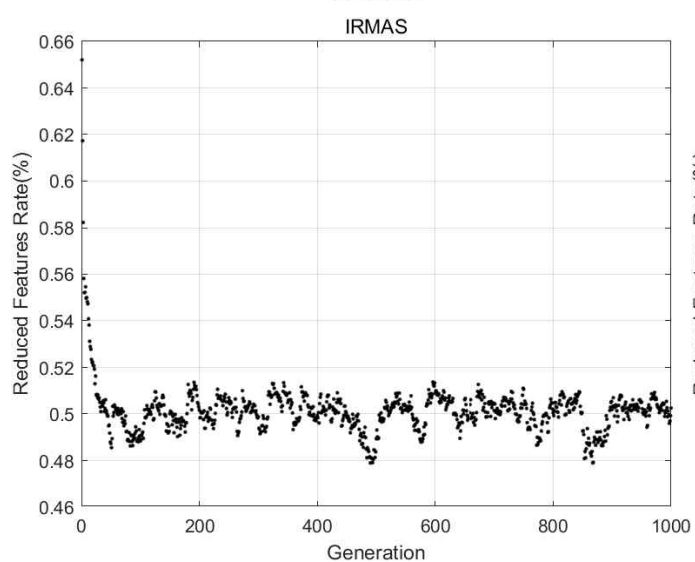
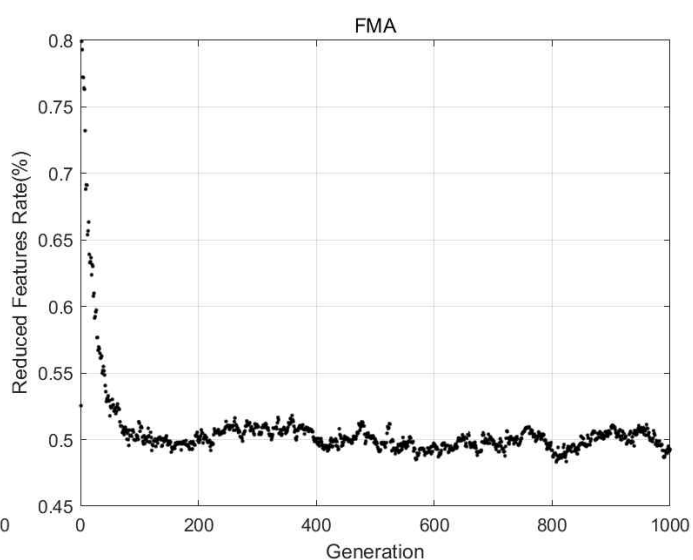
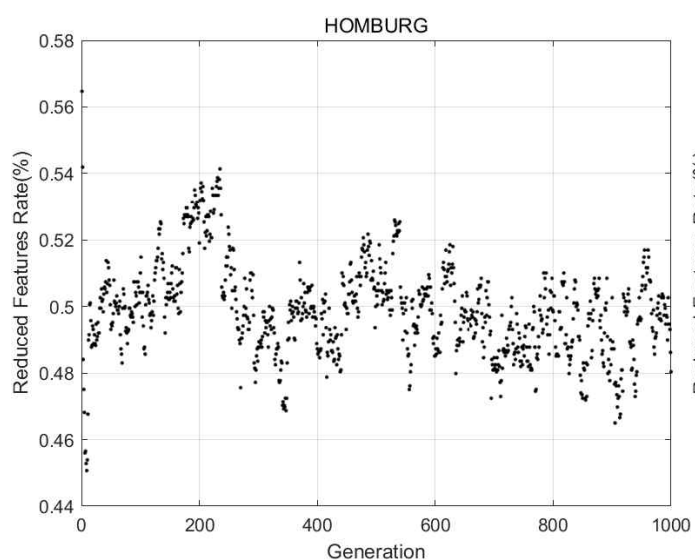
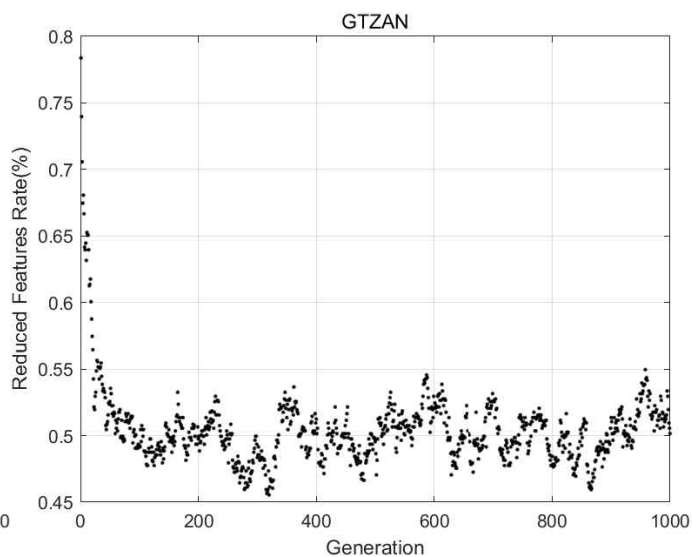
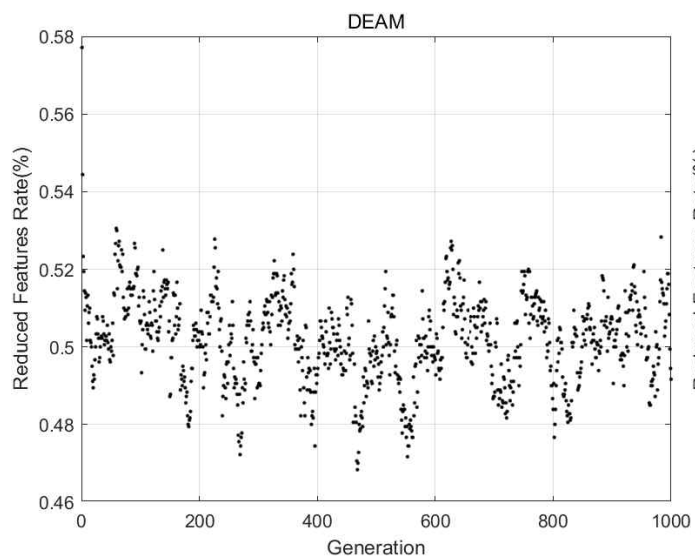
Table 1.

Standard characteristics of datasets.

Dataset	Classifier	Accuracy by All(%)	Accuracy After GA(%)	Reduced Features
DEAM	KNN	29.167	29.167	886
GTZAN		0	90	501
HOMBURG		0	0	906
FMA_Small		50	50	3940
IRMAS		0	0	3367
MER500		0	60	262
emoMusic		100	100	524
Soundtracks		0	0	247
emotifymusic		NaN	NaN	185
ballroom		0	0	349
Klaus		0	0	1574
Mirex-like_mood		7.407	11.111	477
Medley-solos		-	-	-

Table 2.

Accuracy and reduced features of each dataset.



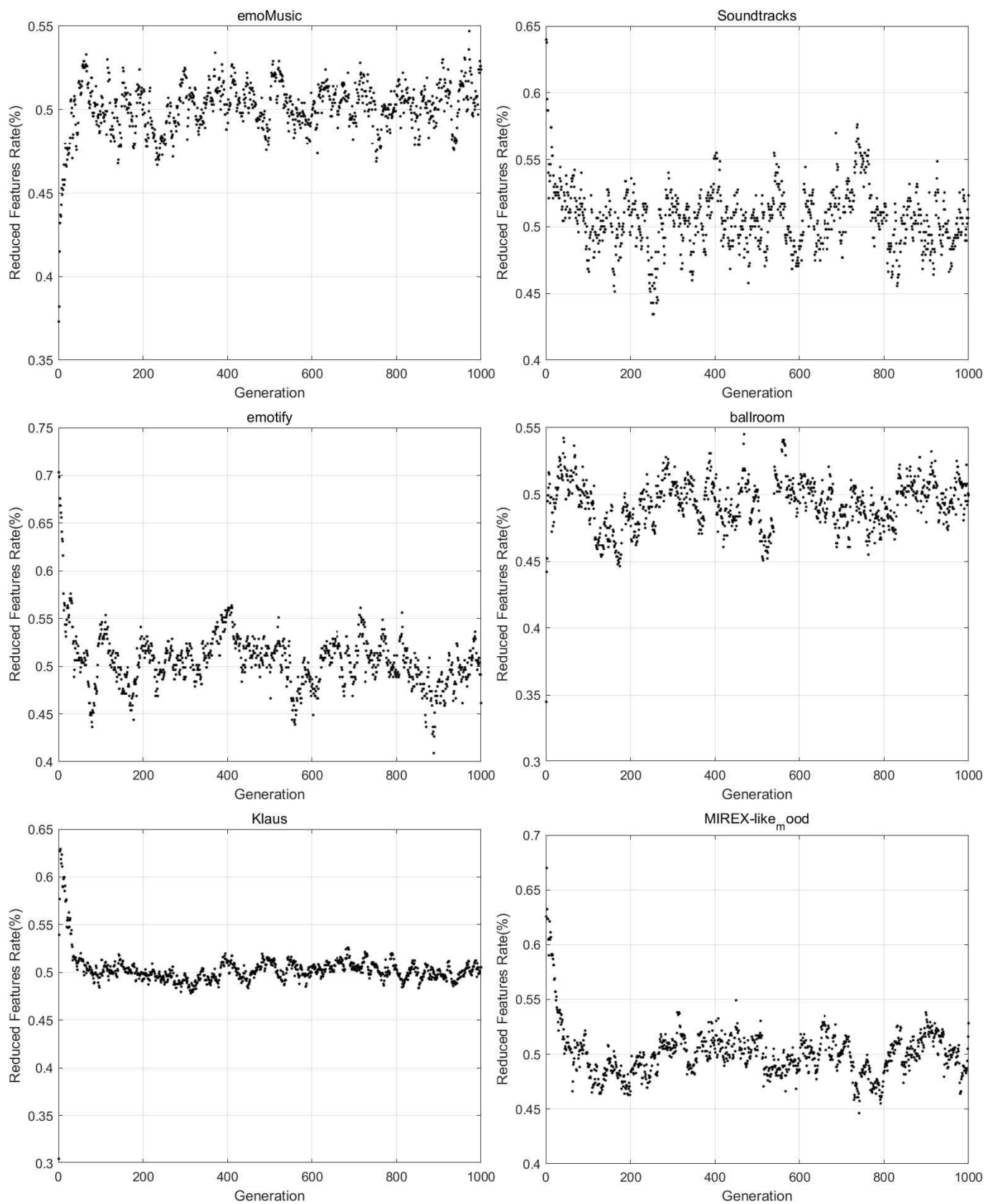


Fig. 1.

Reduced feature rate through 1000 generations.