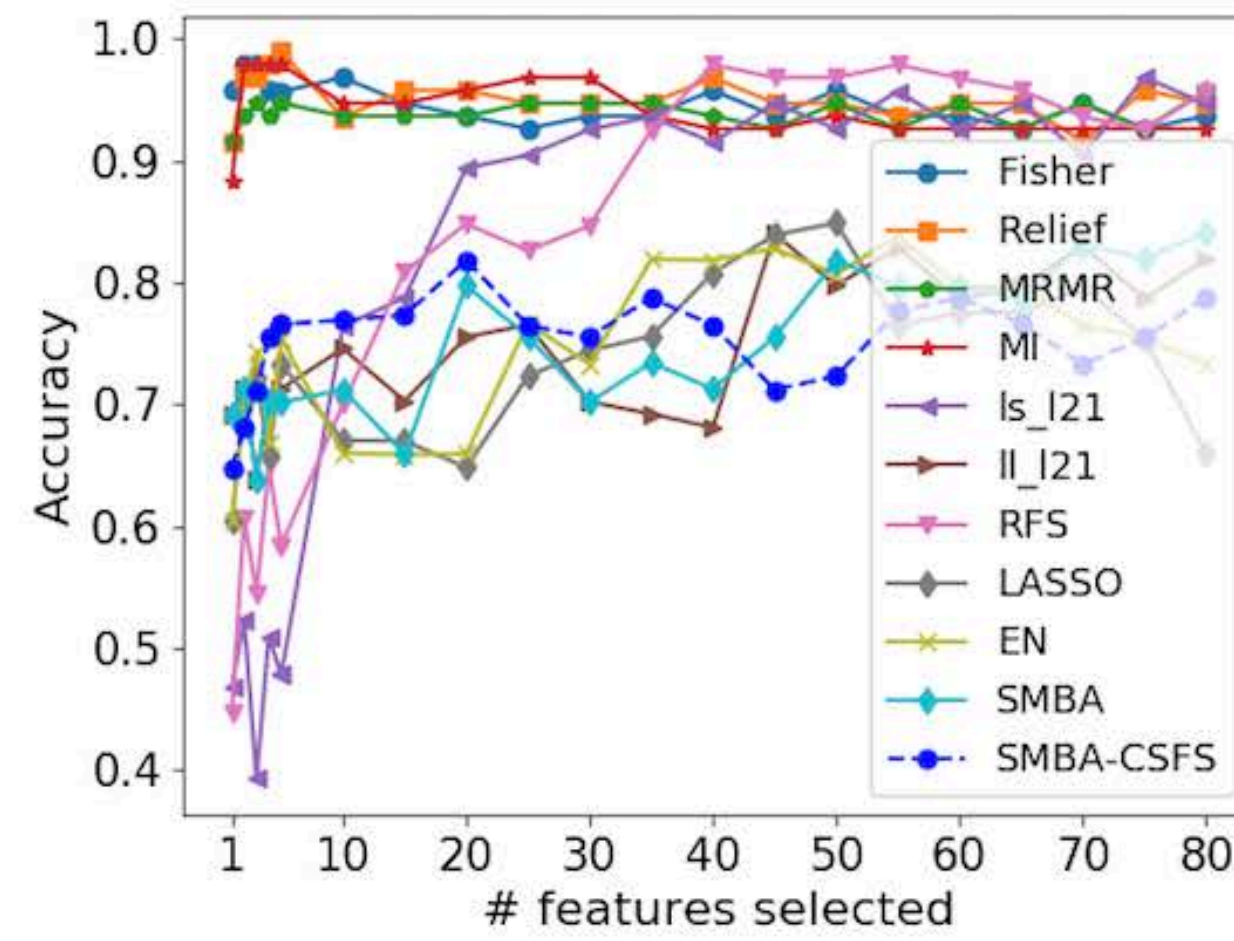
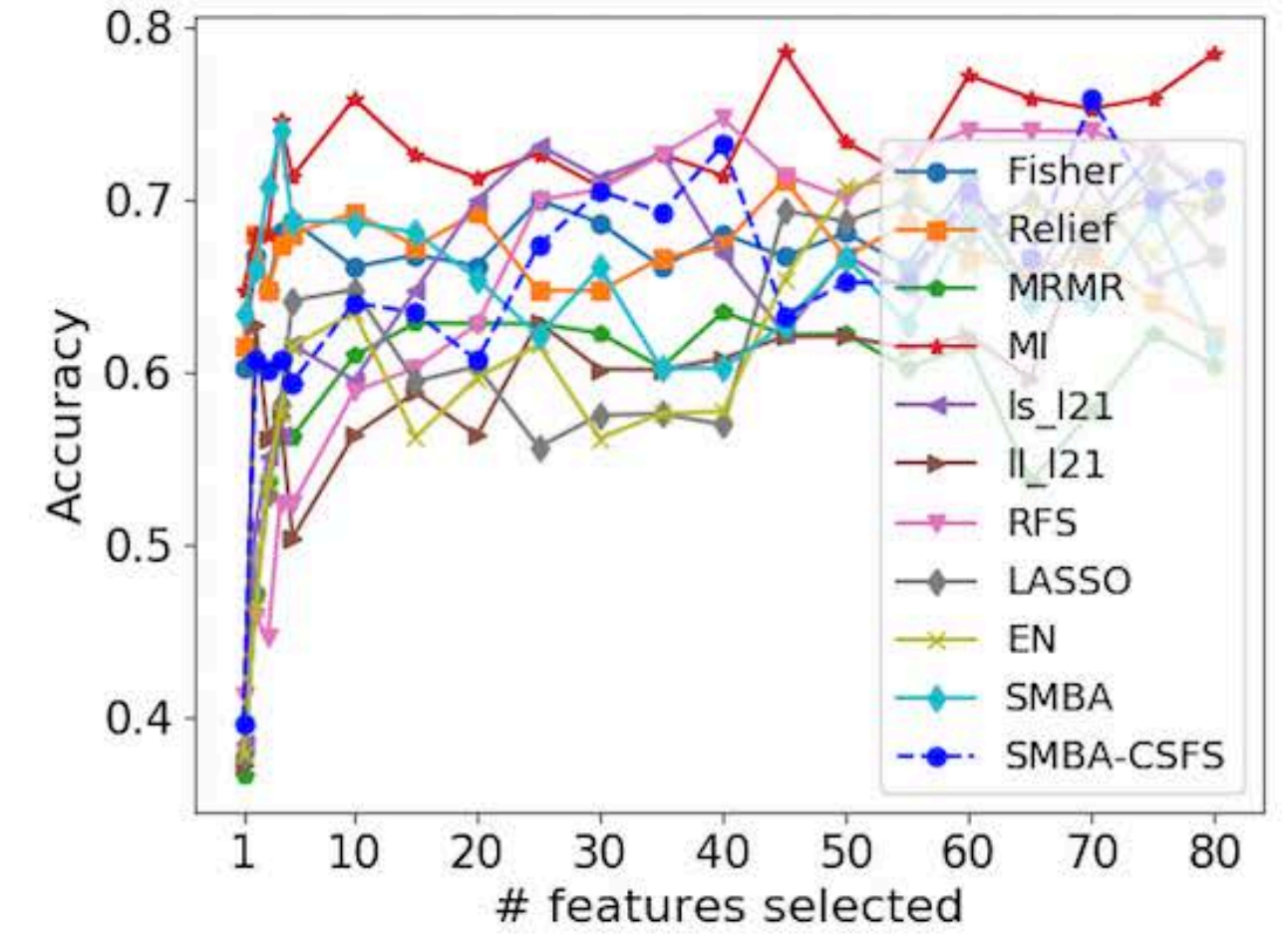


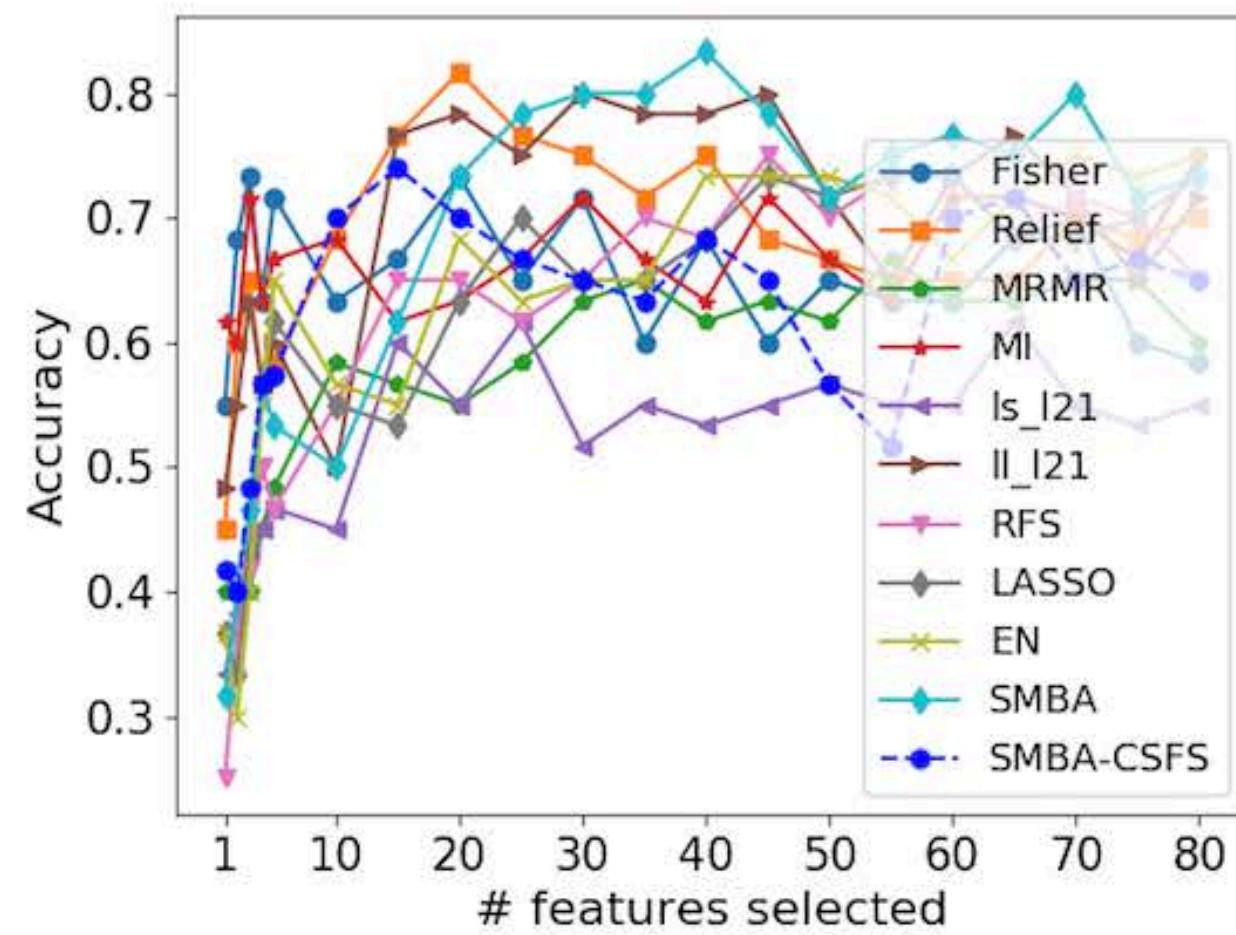
(a) ALLAML (2)



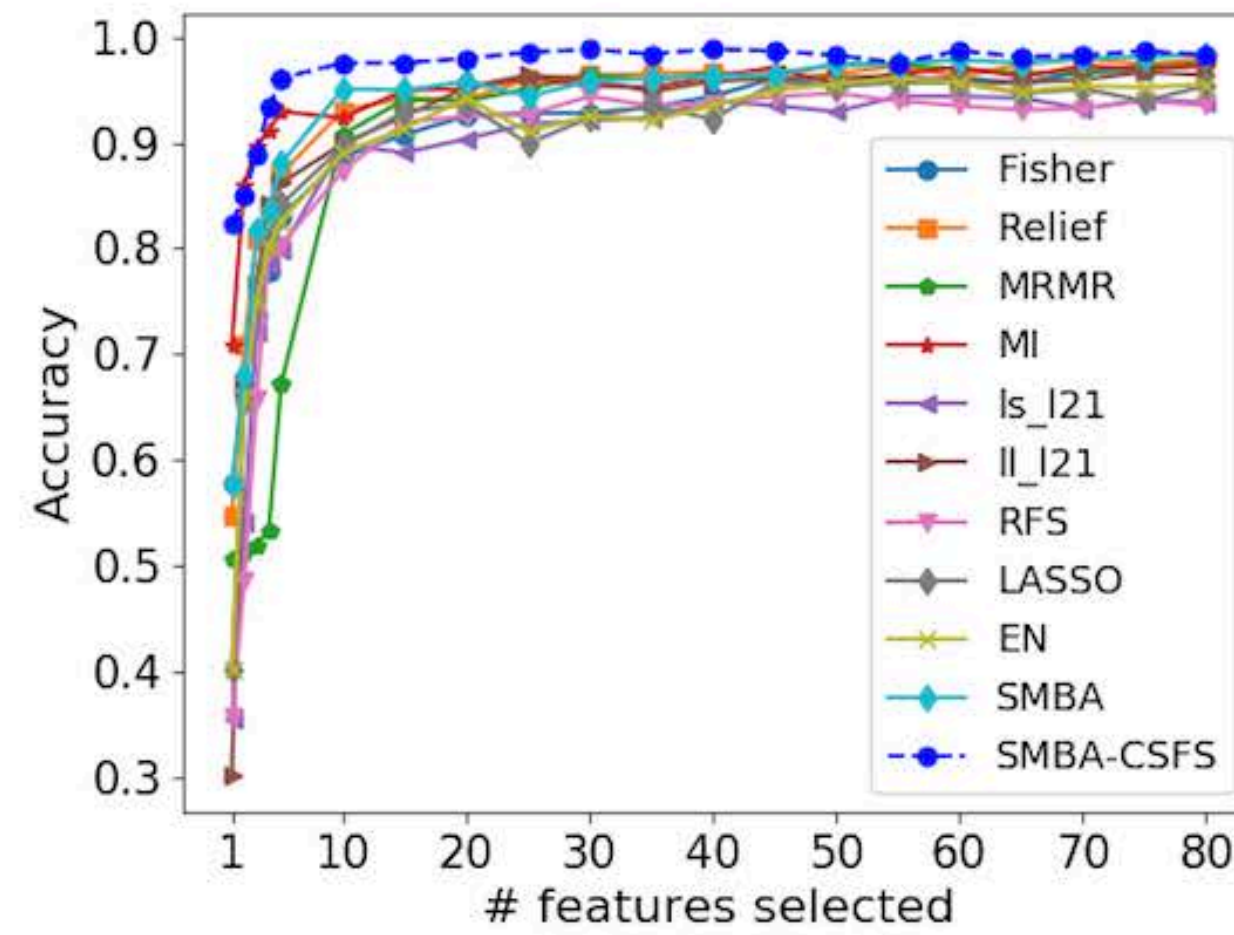
(b) LEUKEMIA (2)



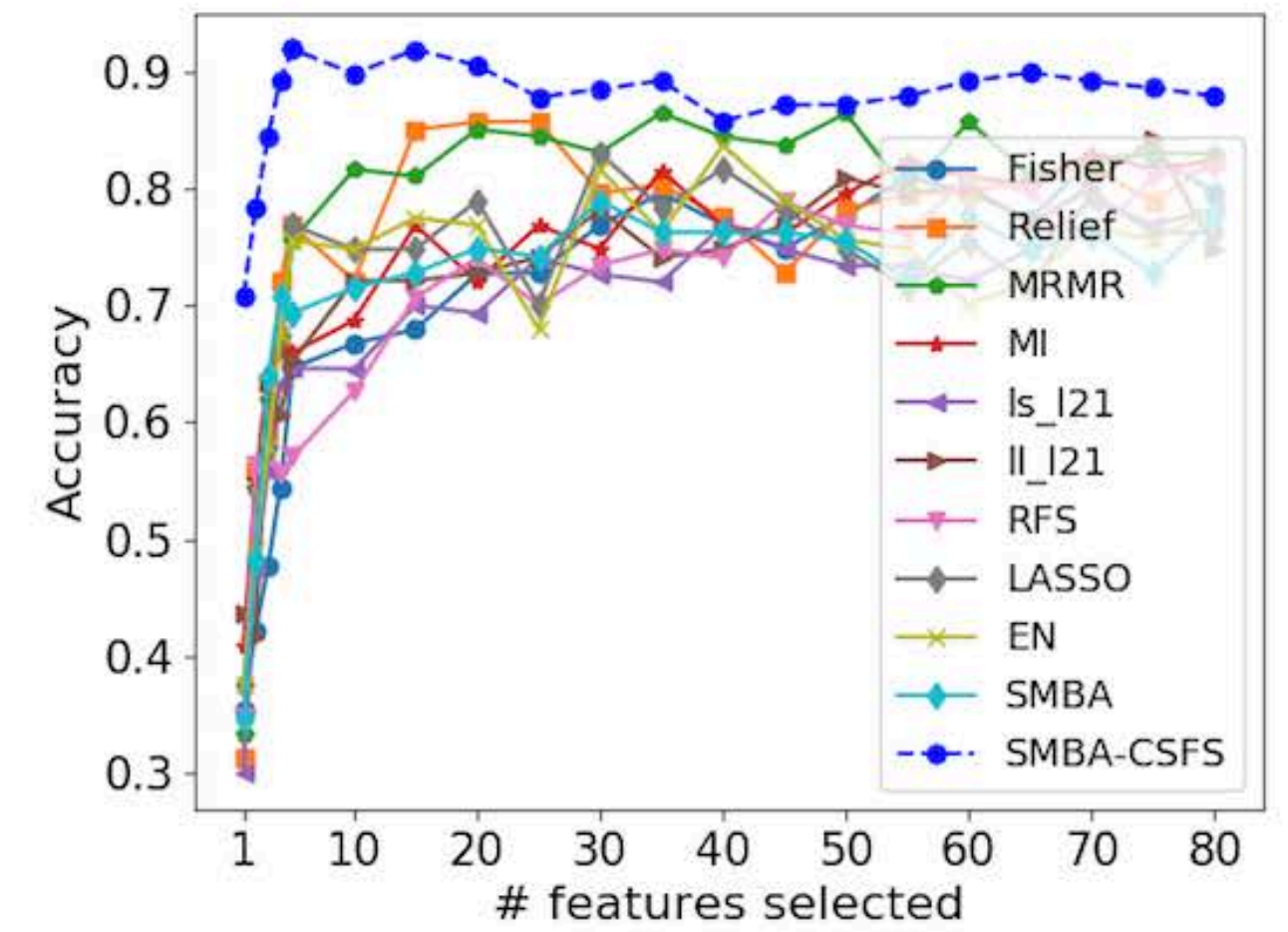
(c) CLL_SUB_111 (3)



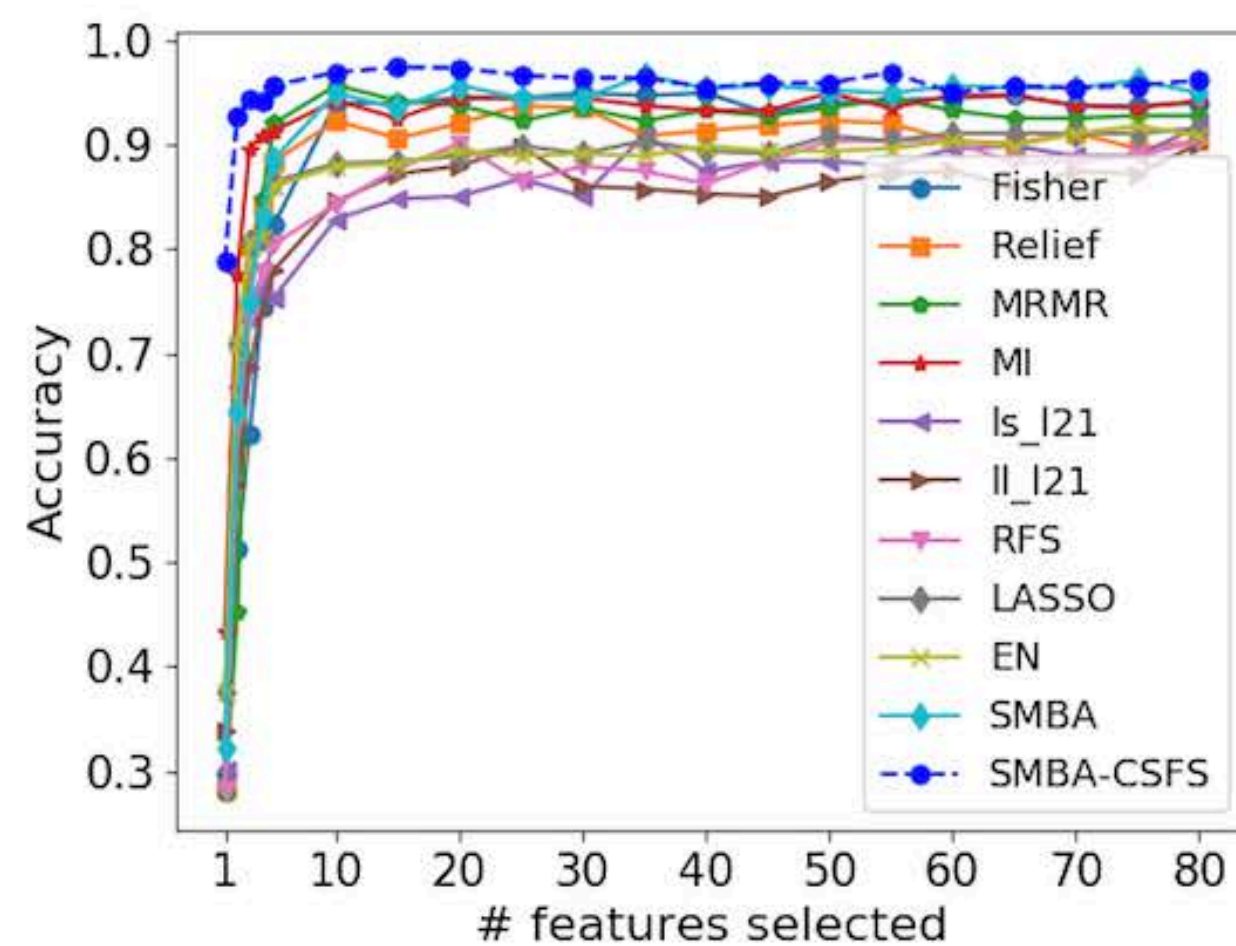
(d) GLIOMA (4)



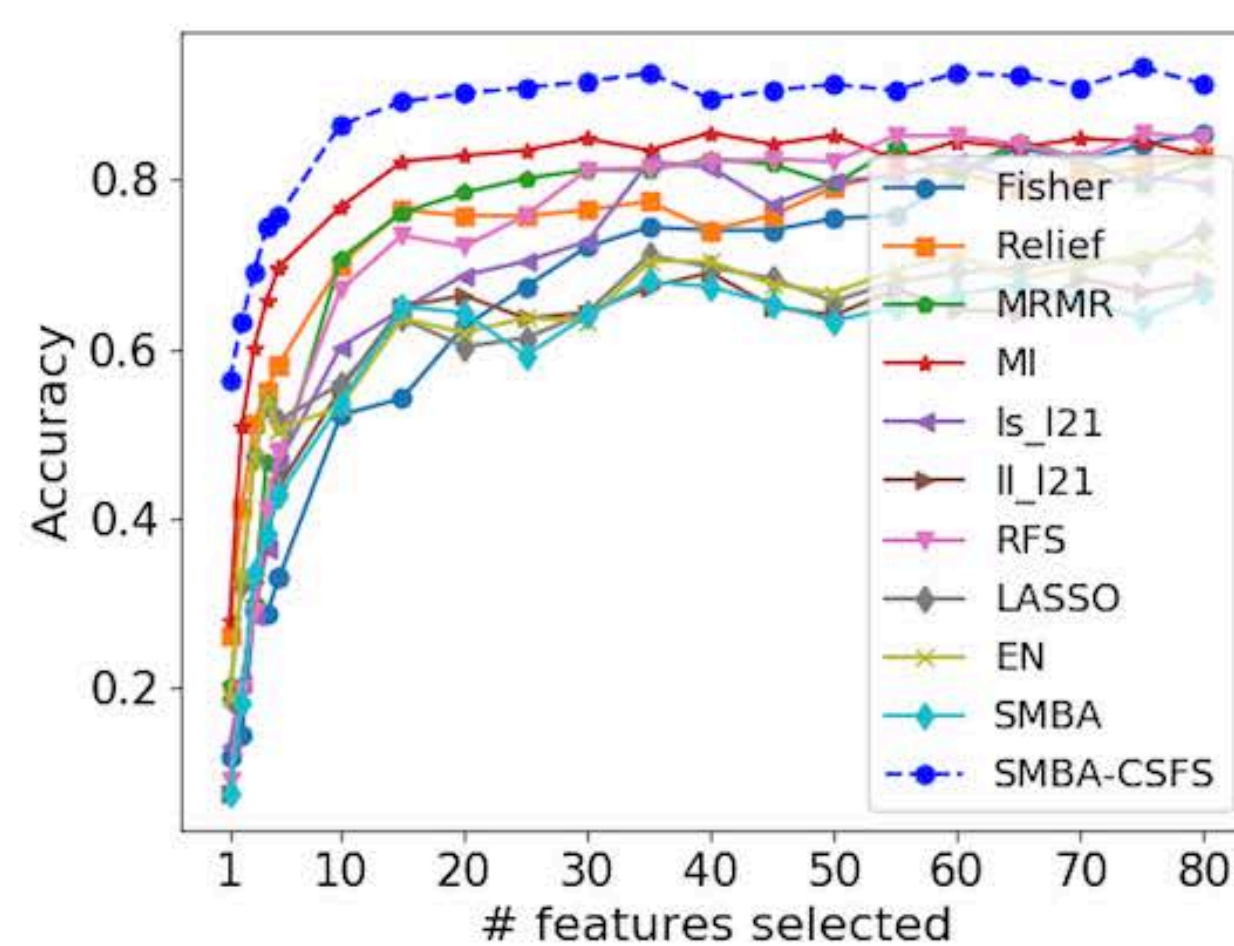
(e) LUNG_C (5)



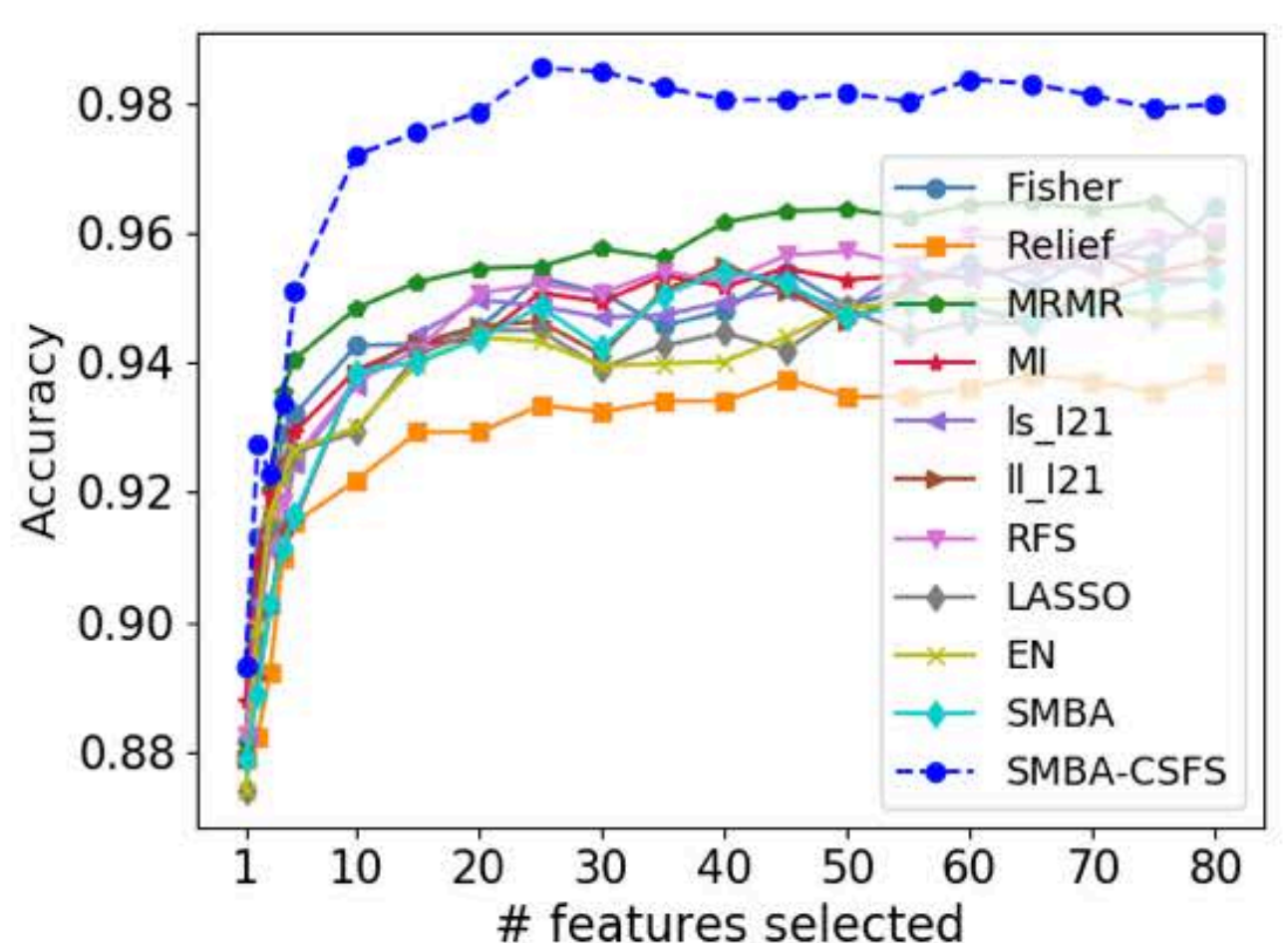
(f) LUNG_D (7)



(g) DLBCL (9)

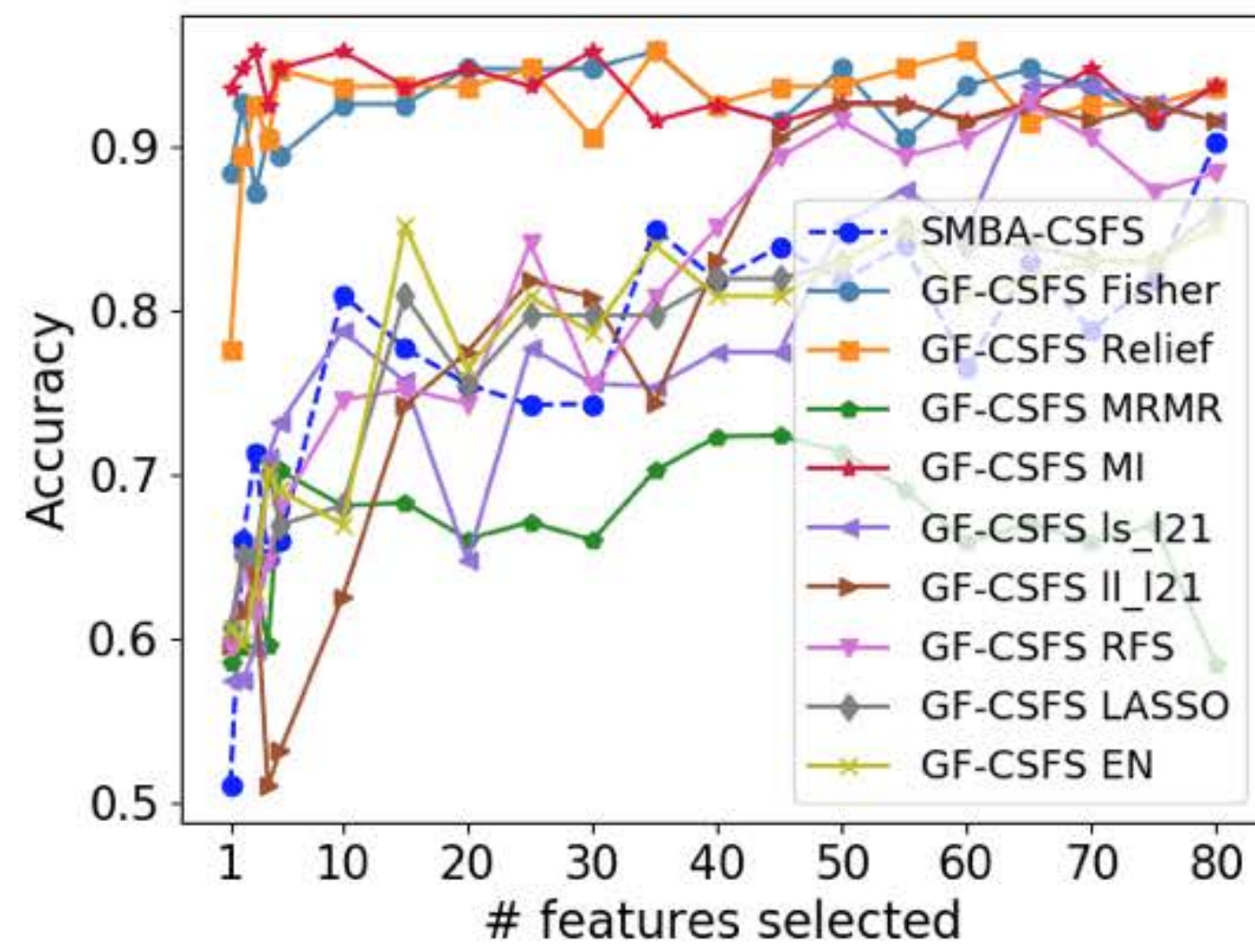


(h) CARCINOM (11)

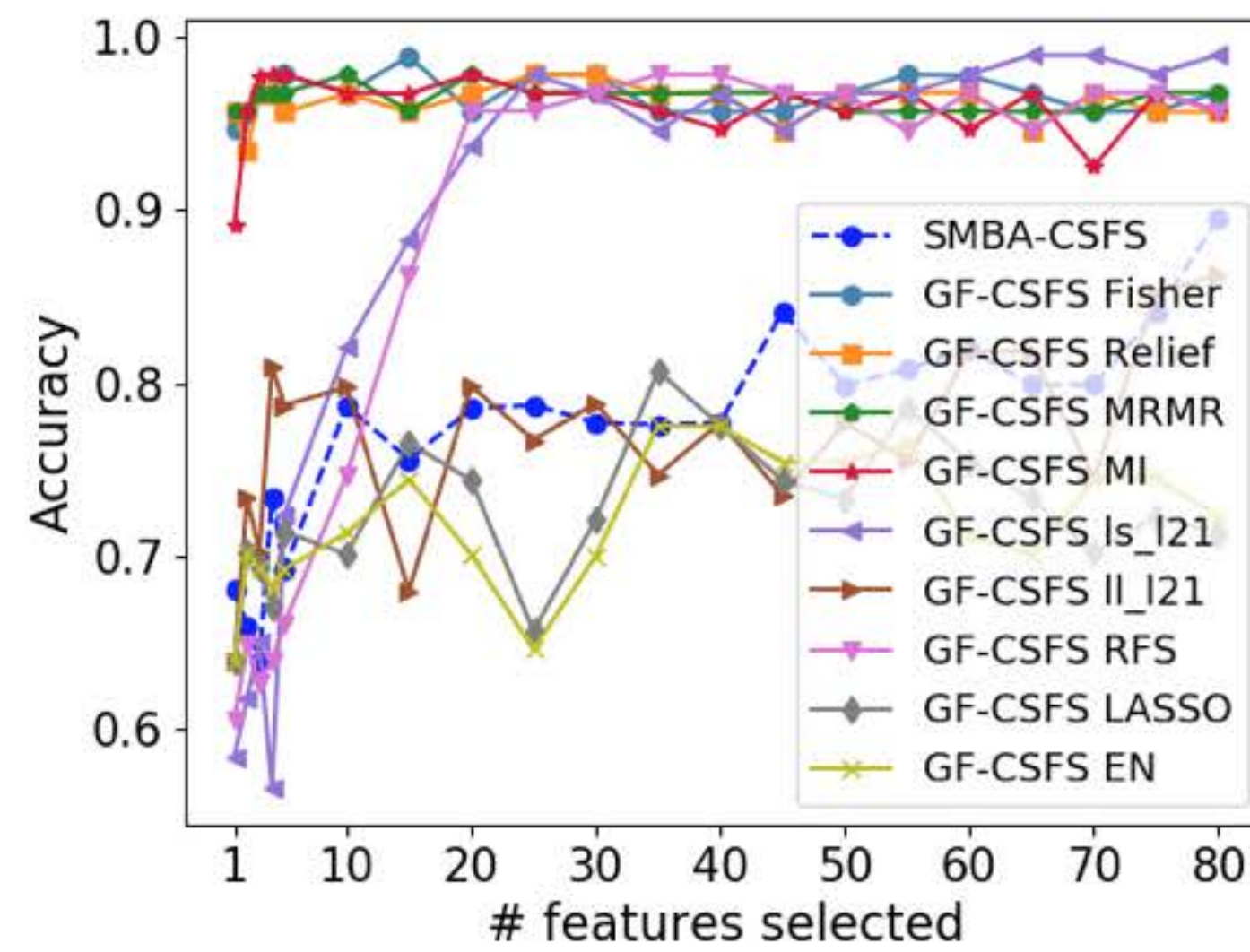


(i) GCM (14)

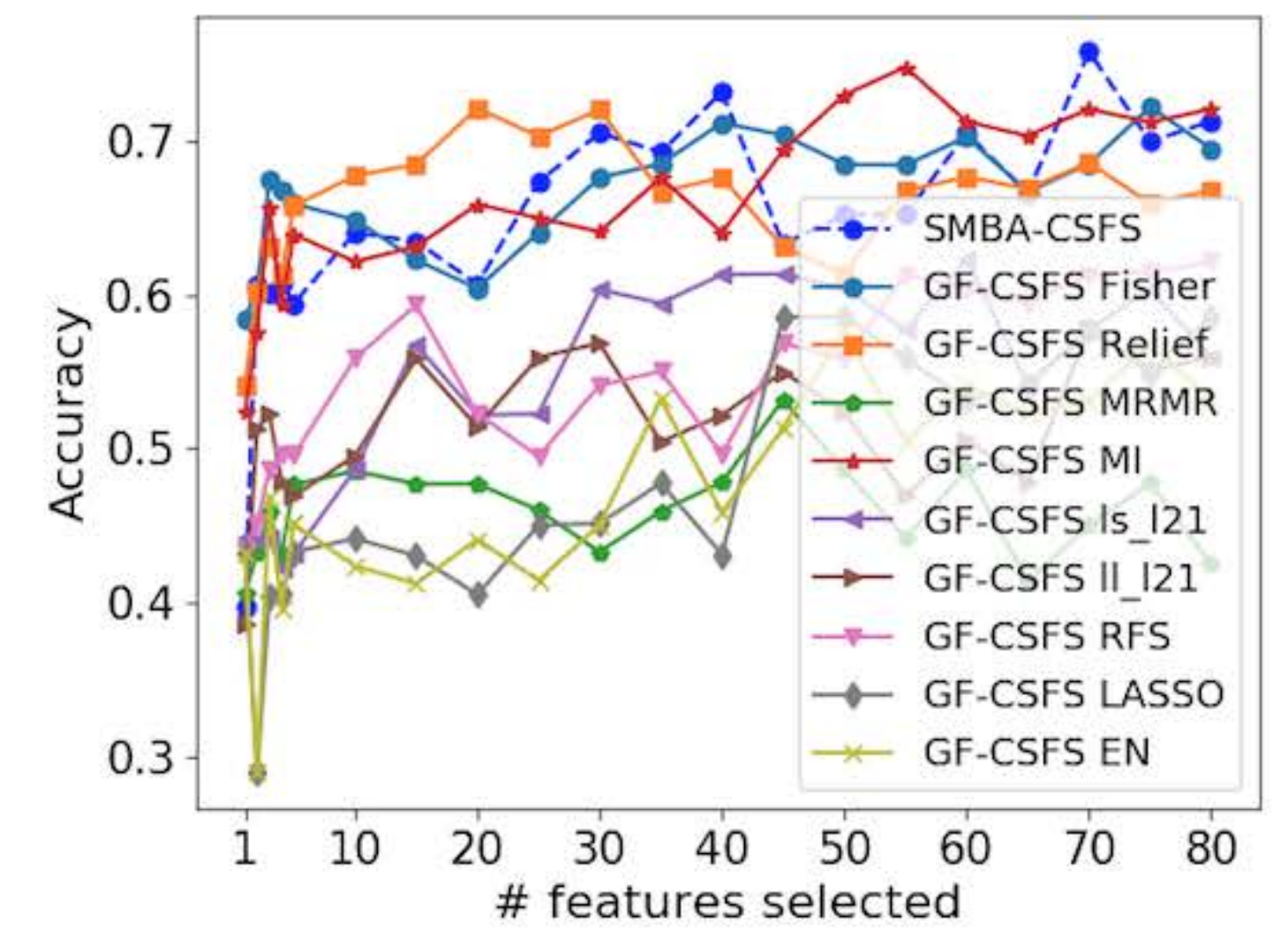
Figure 1. Comparison of several TFS accuracies against SMBA and SMBA-CSFS on nine data sets, when a varying number of features is selected. Decision Tree classifier with 5-fold CV was used.



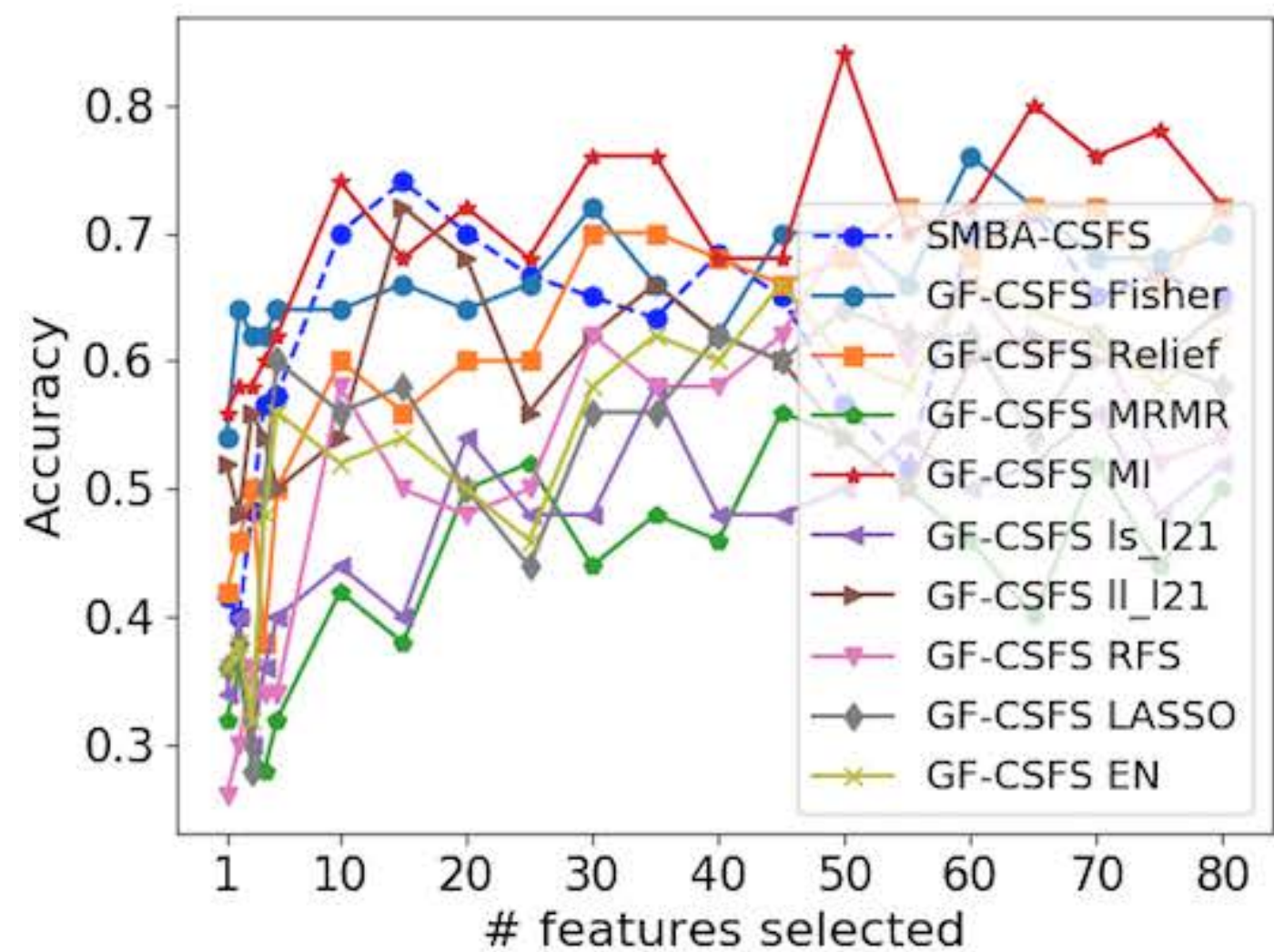
(a) ALLAML (2)



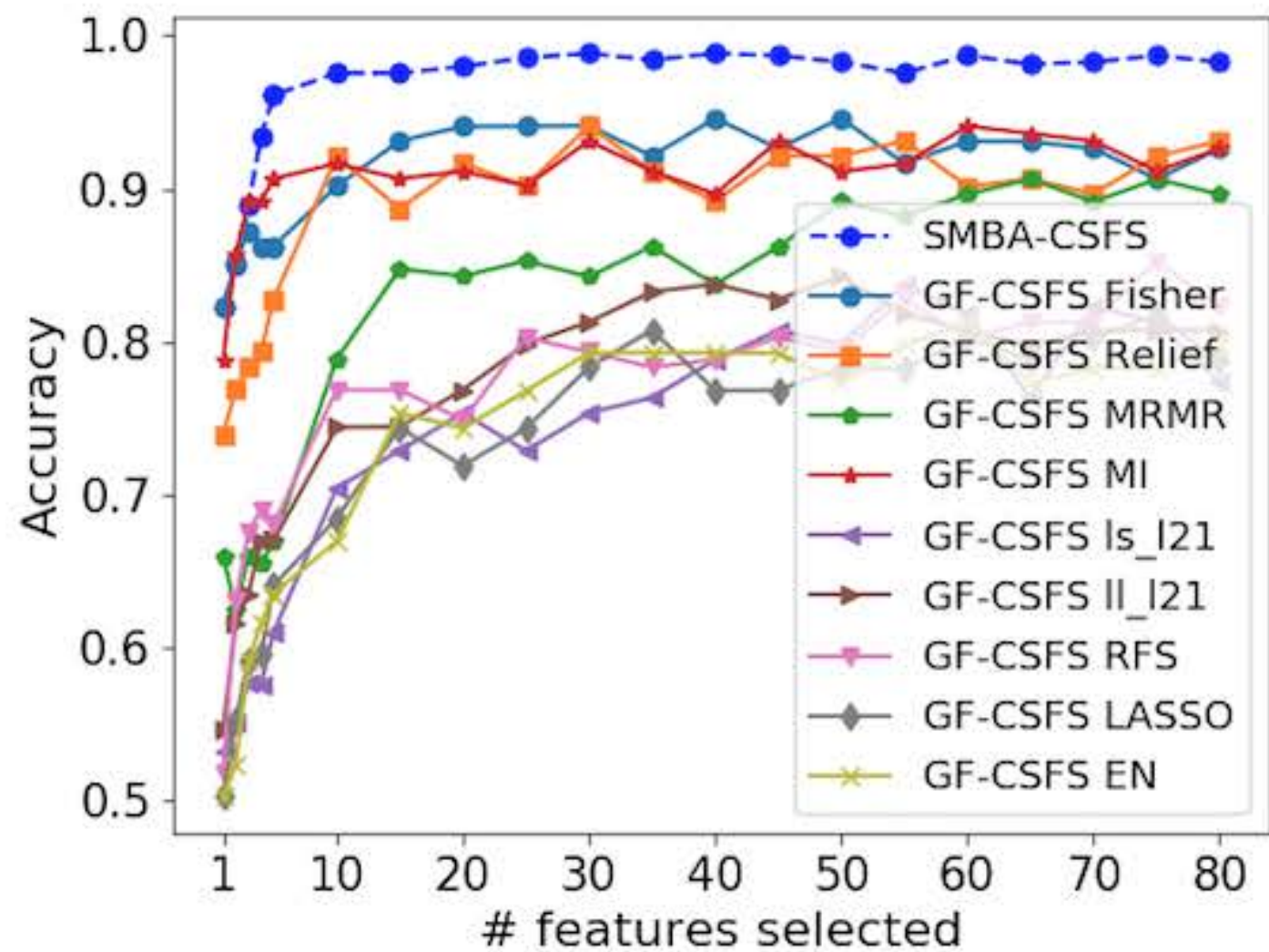
(b) LEUKEMIA (2)



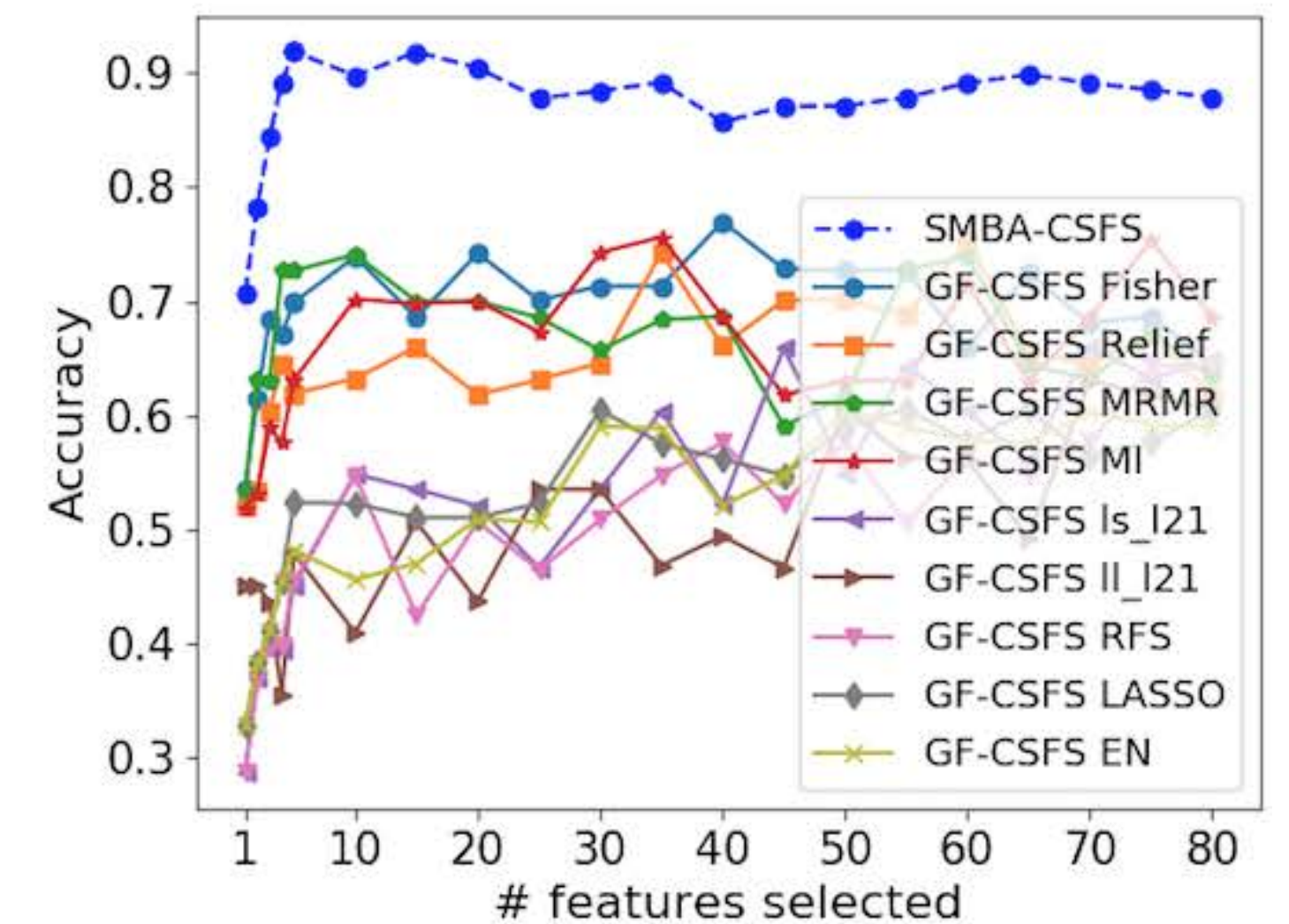
(c) CLL_SUB_111 (3)



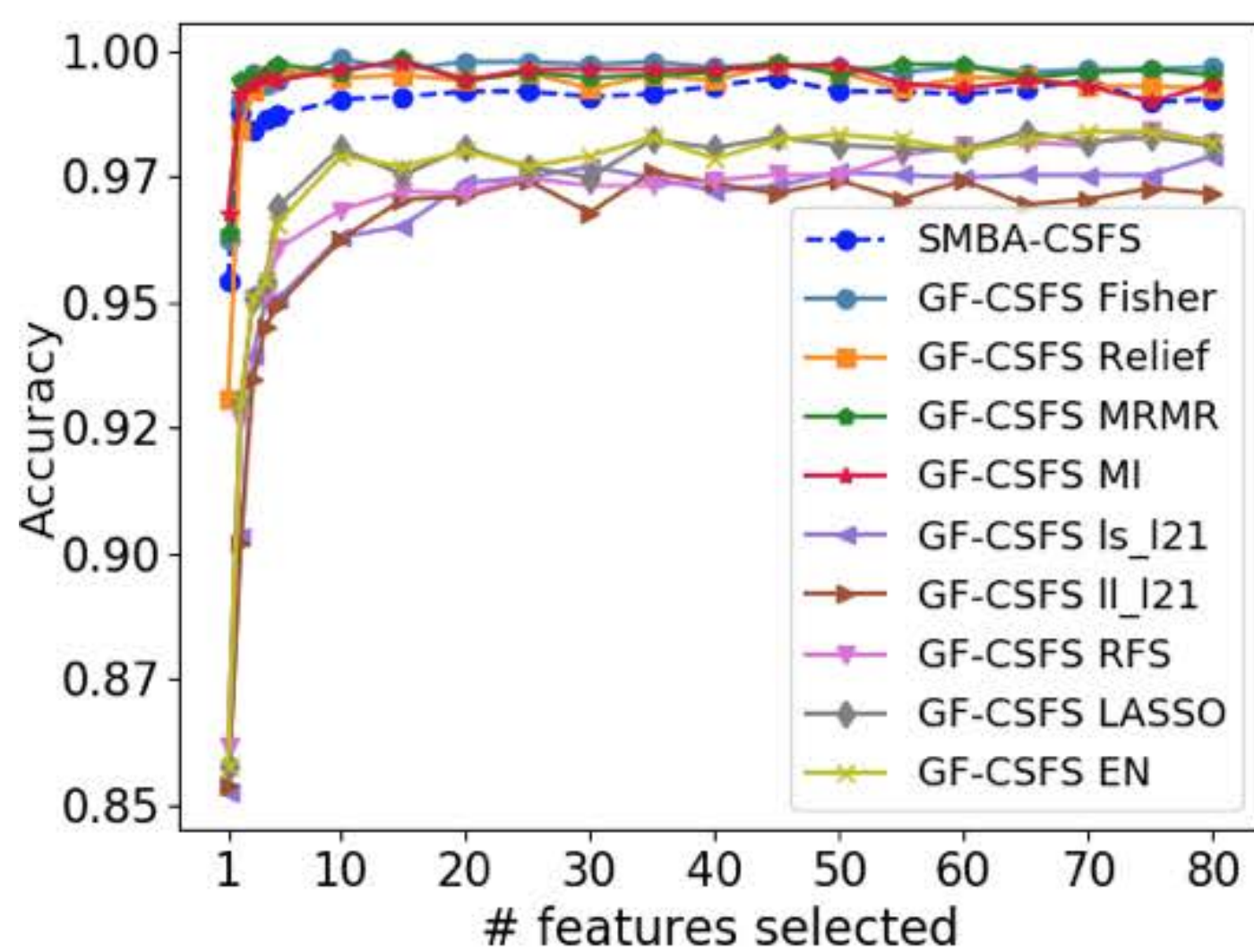
(d) GLIOMA (4)



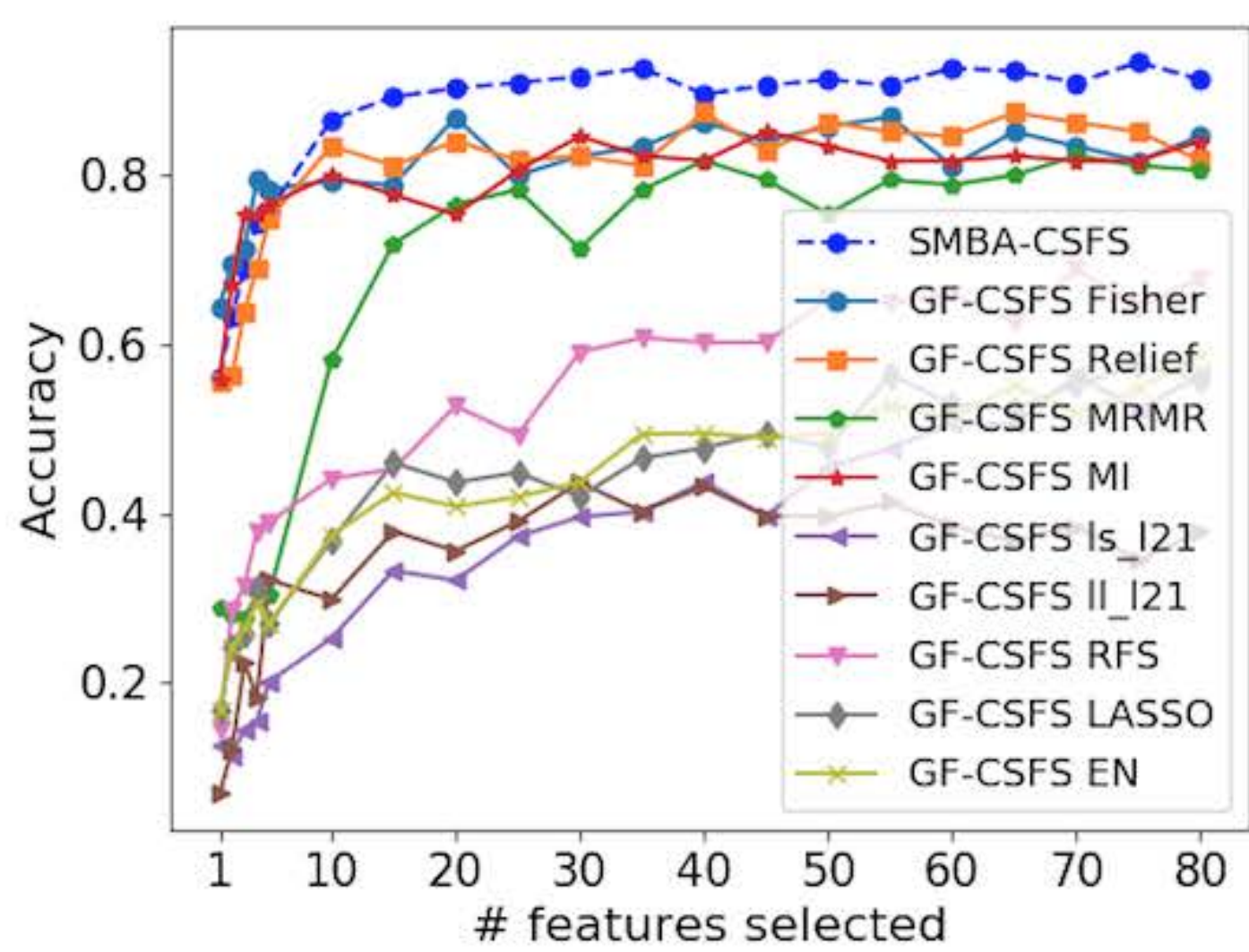
(e) LUNG_C (5)



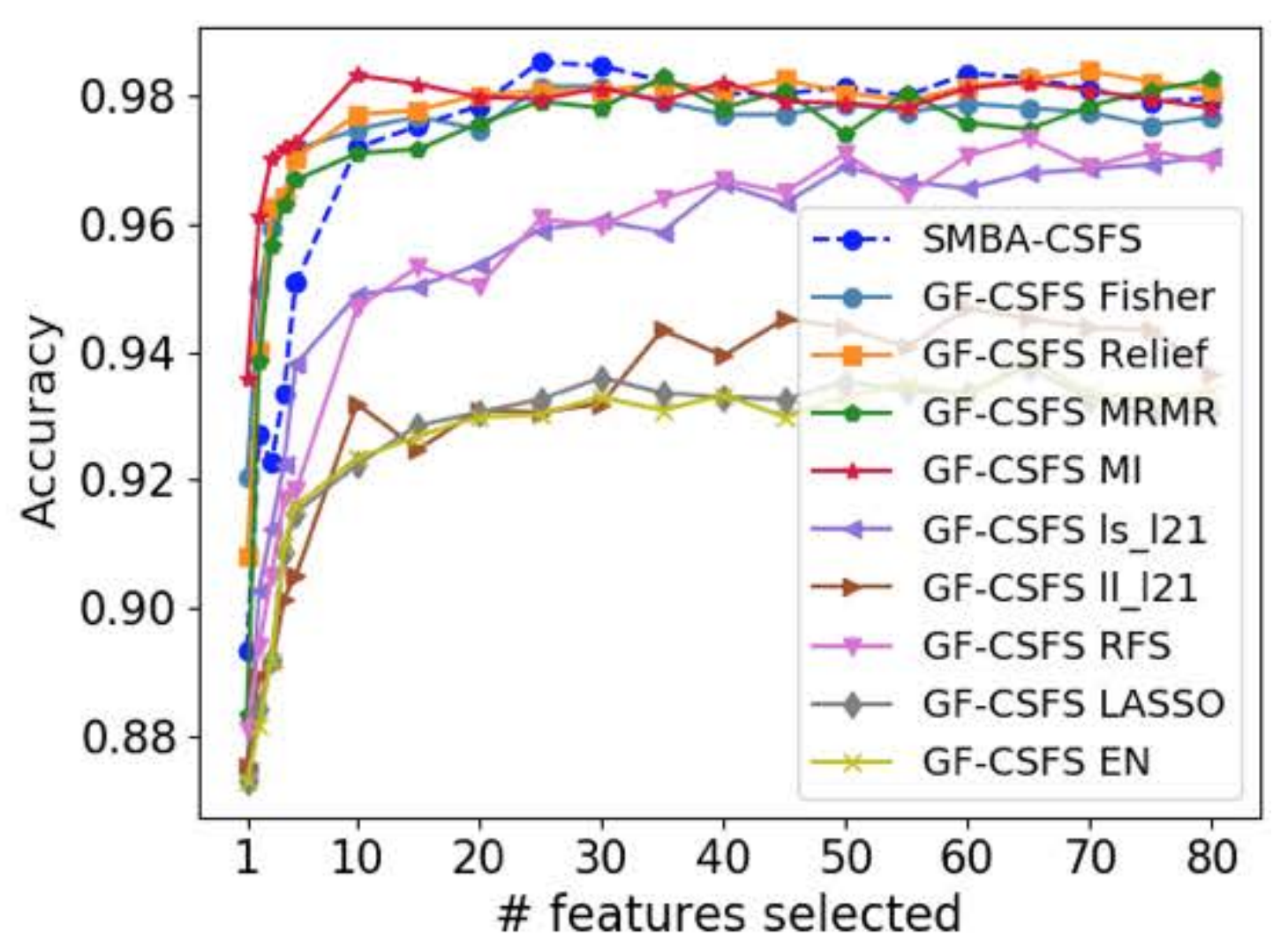
(f) LUNG_D (7)



(g) DLBCL (9)

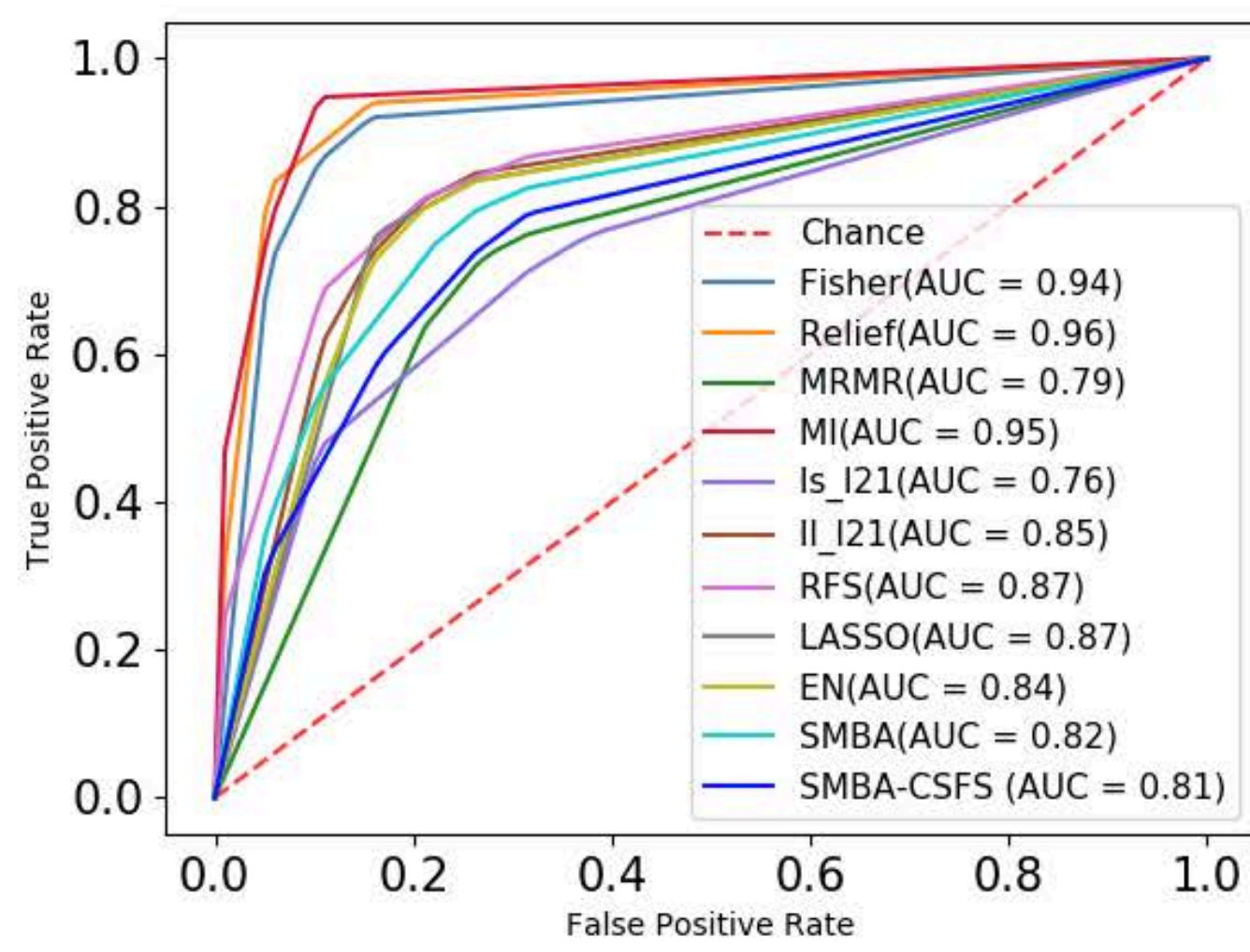


(h) CARCINOM (11)

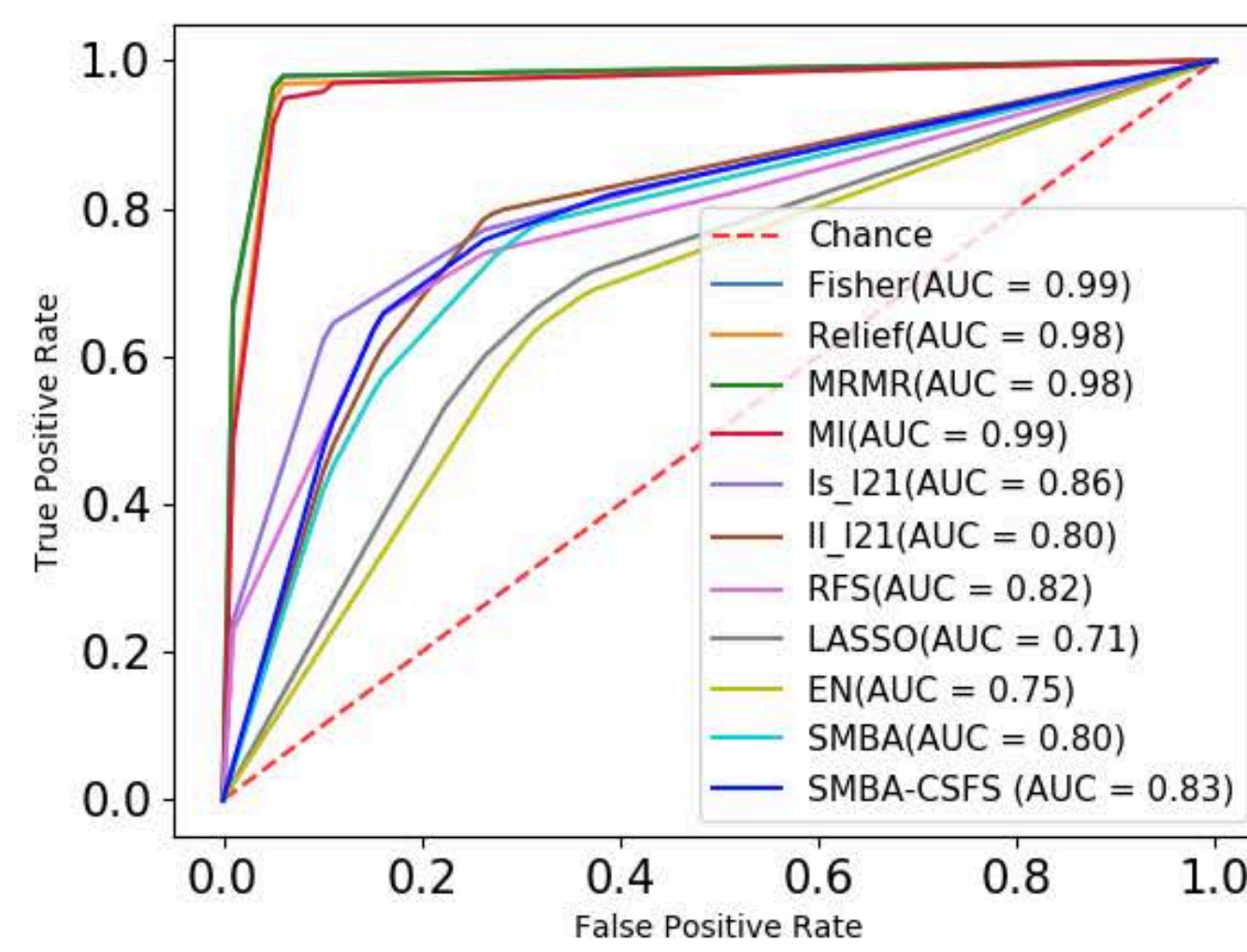


(i) GCM (14)

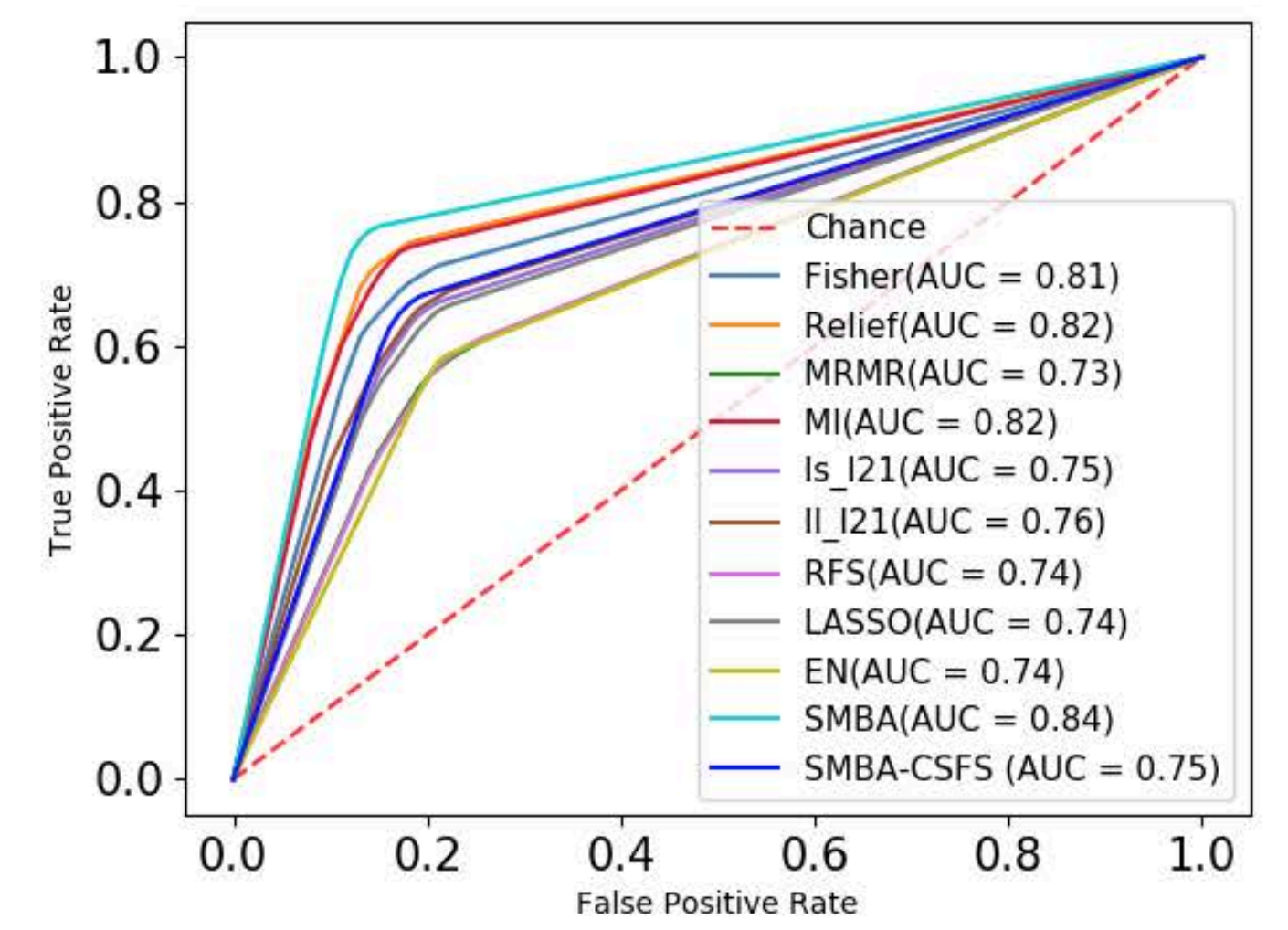
Figure 2. Comparison of several CSFS accuracies against SMBA-CSFS on nine data sets, when a varying number of features is selected. Decision Tree classifier with 5-fold CV was used.



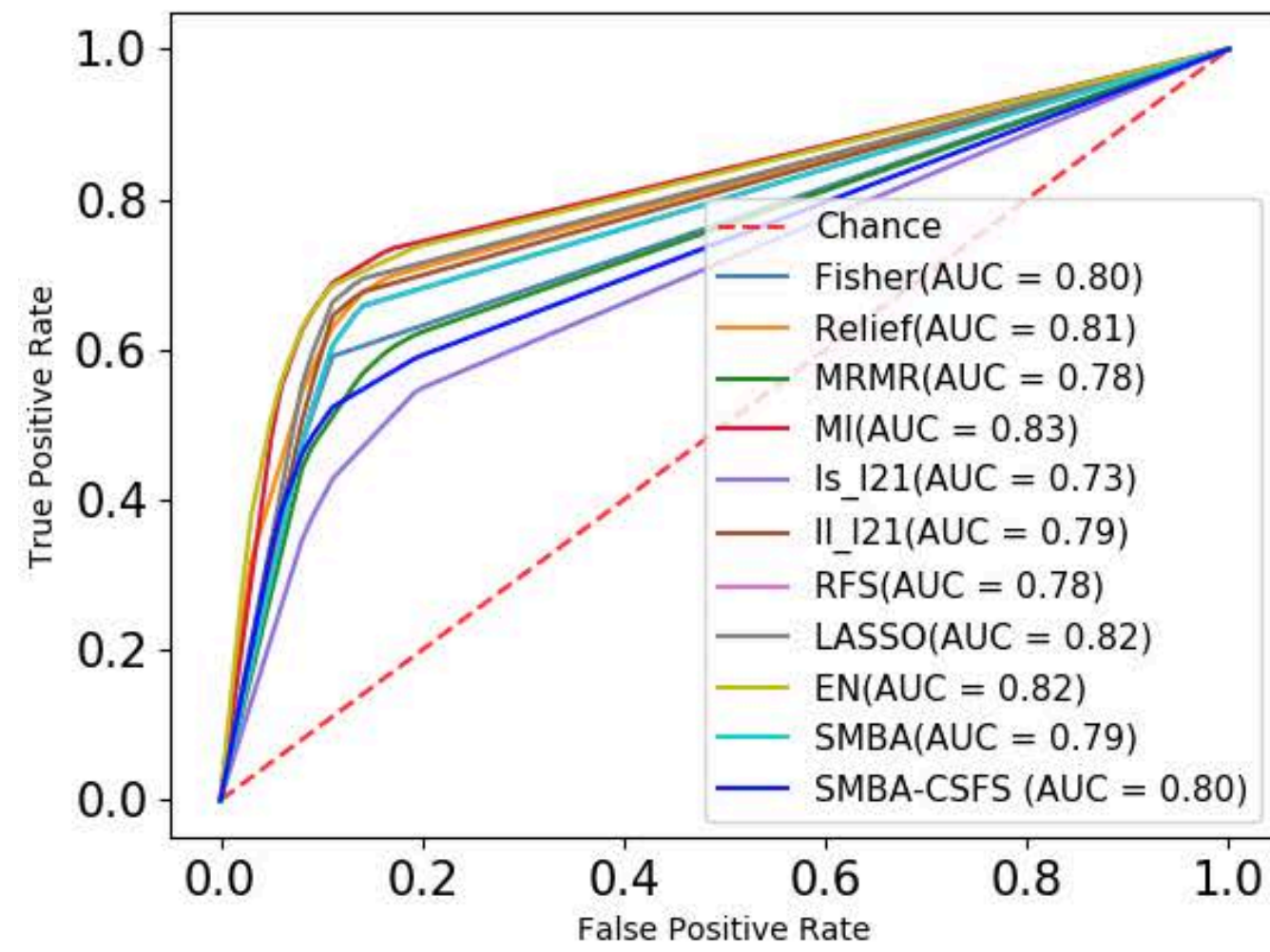
(a) ALLAML (2)



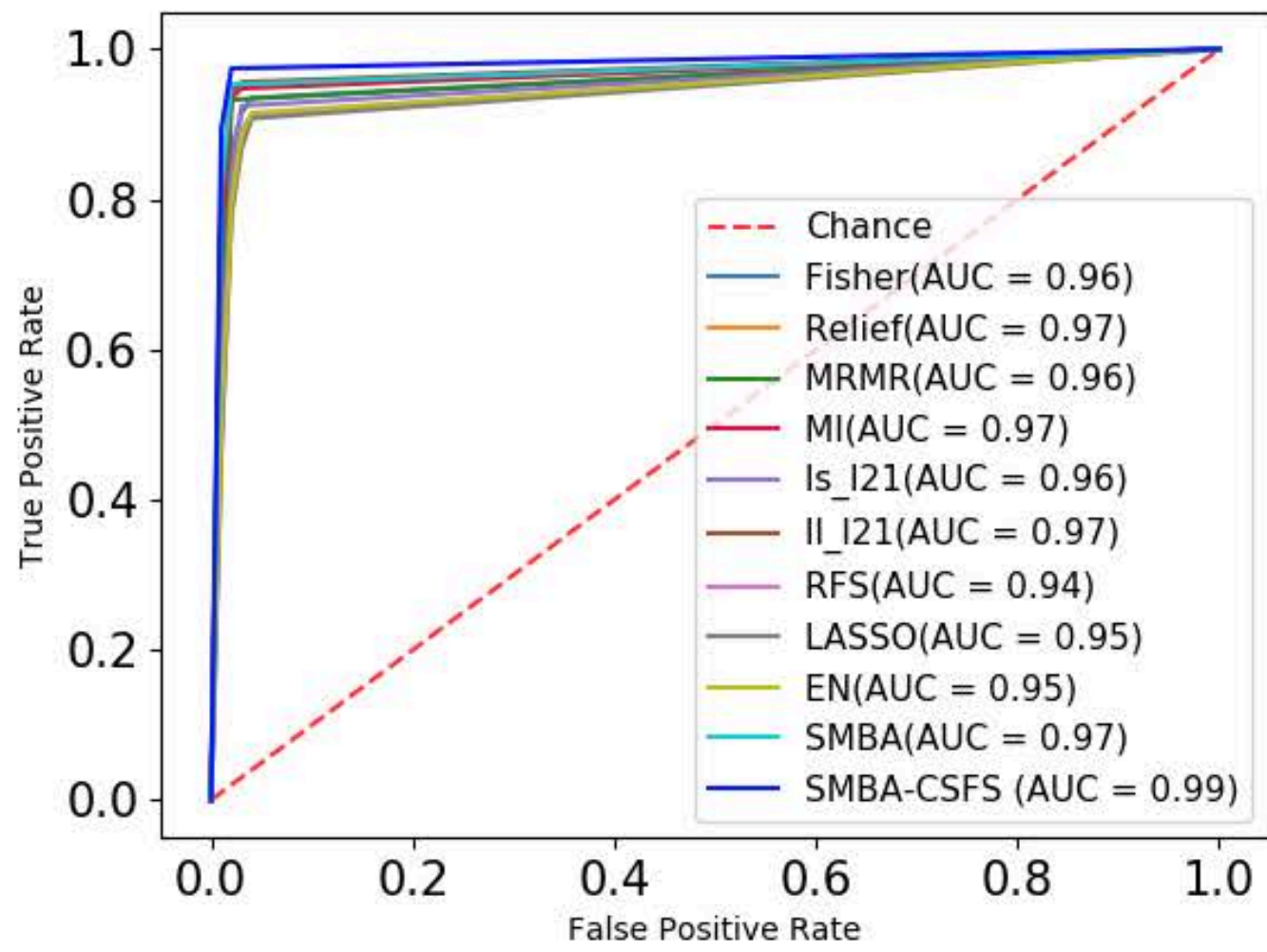
(b) LEUKEMIA (2)



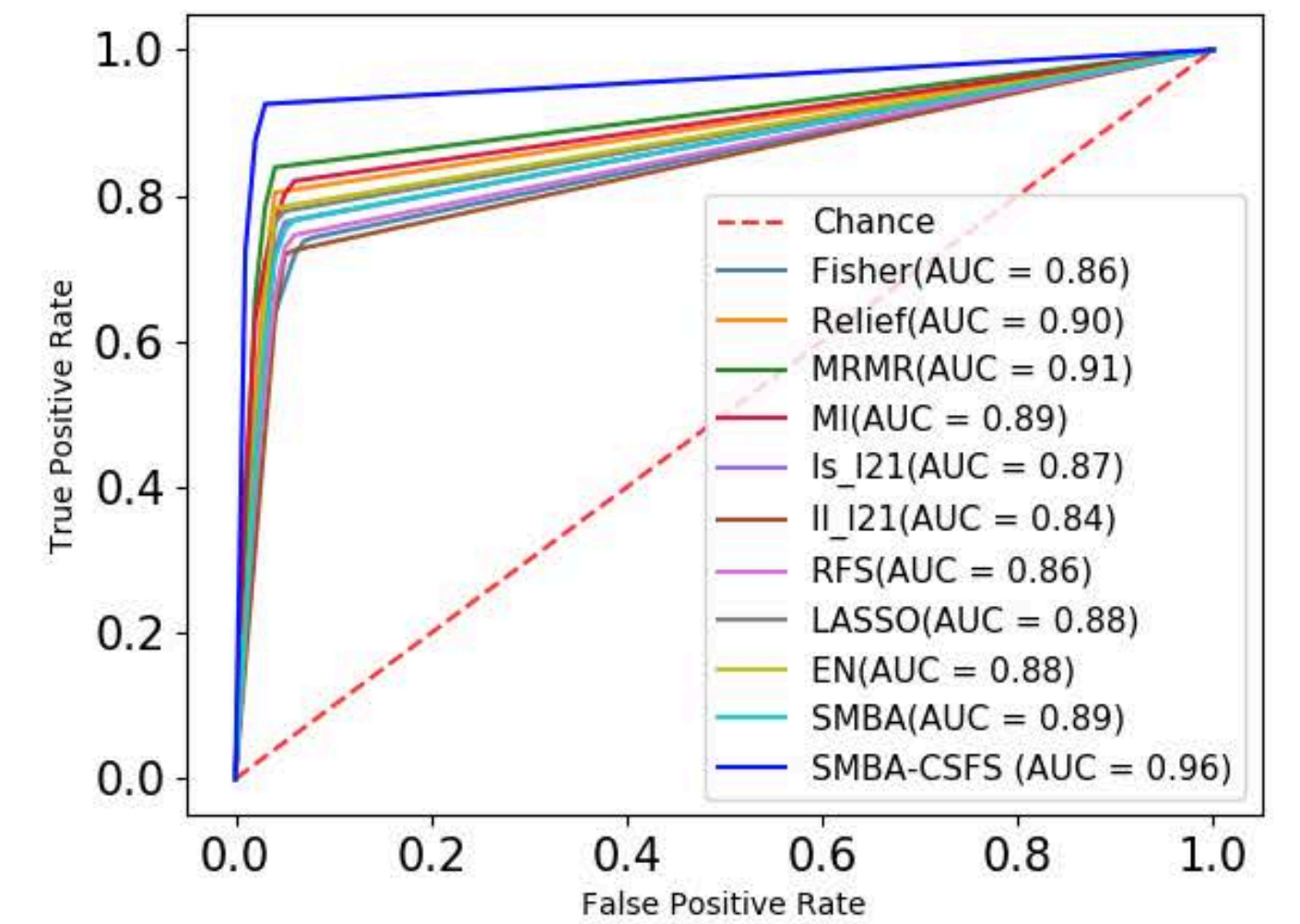
(c) CLL_SUB_111 (3)



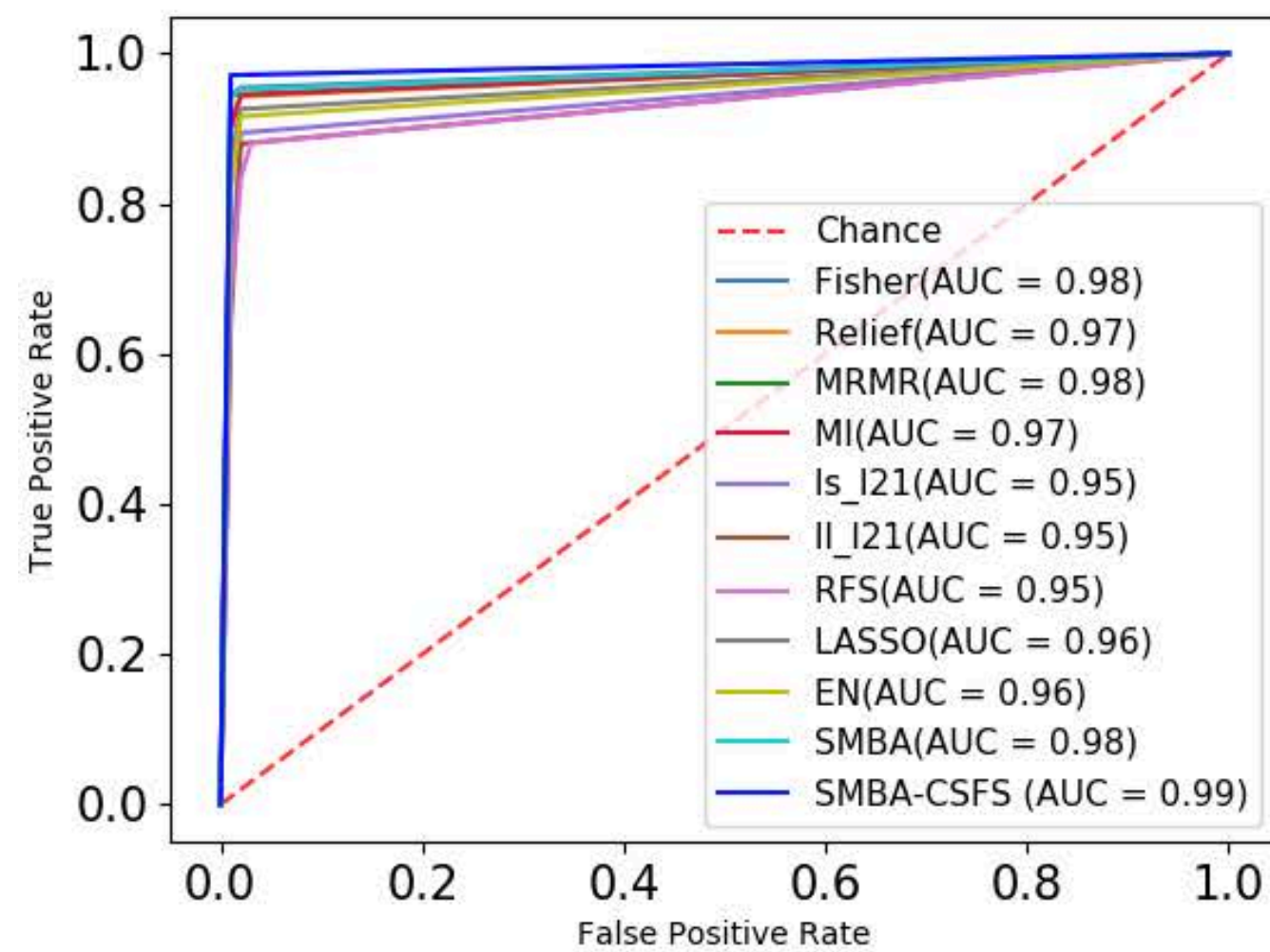
(d) GLIOMA (4)



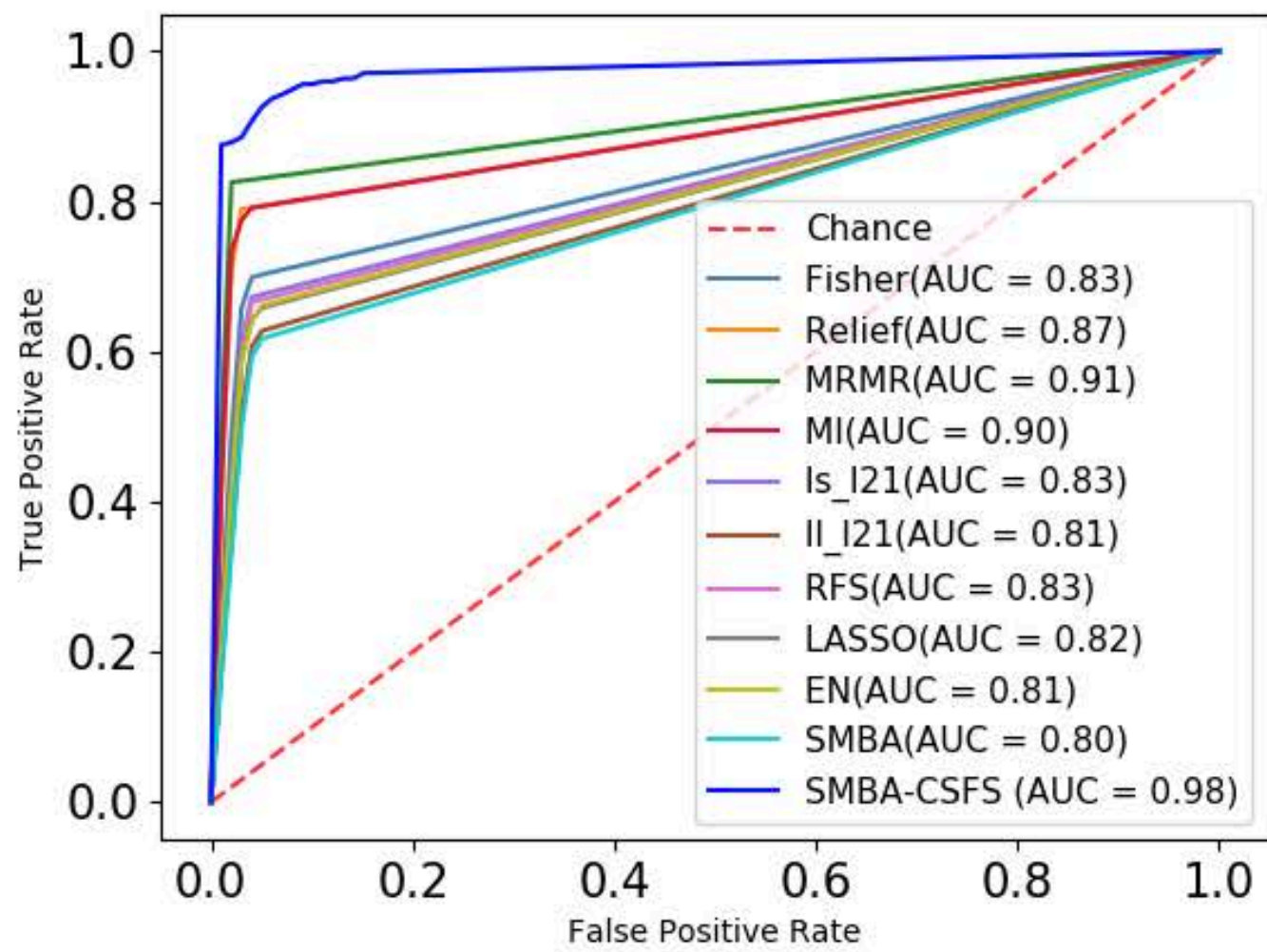
(e) LUNG_C (5)



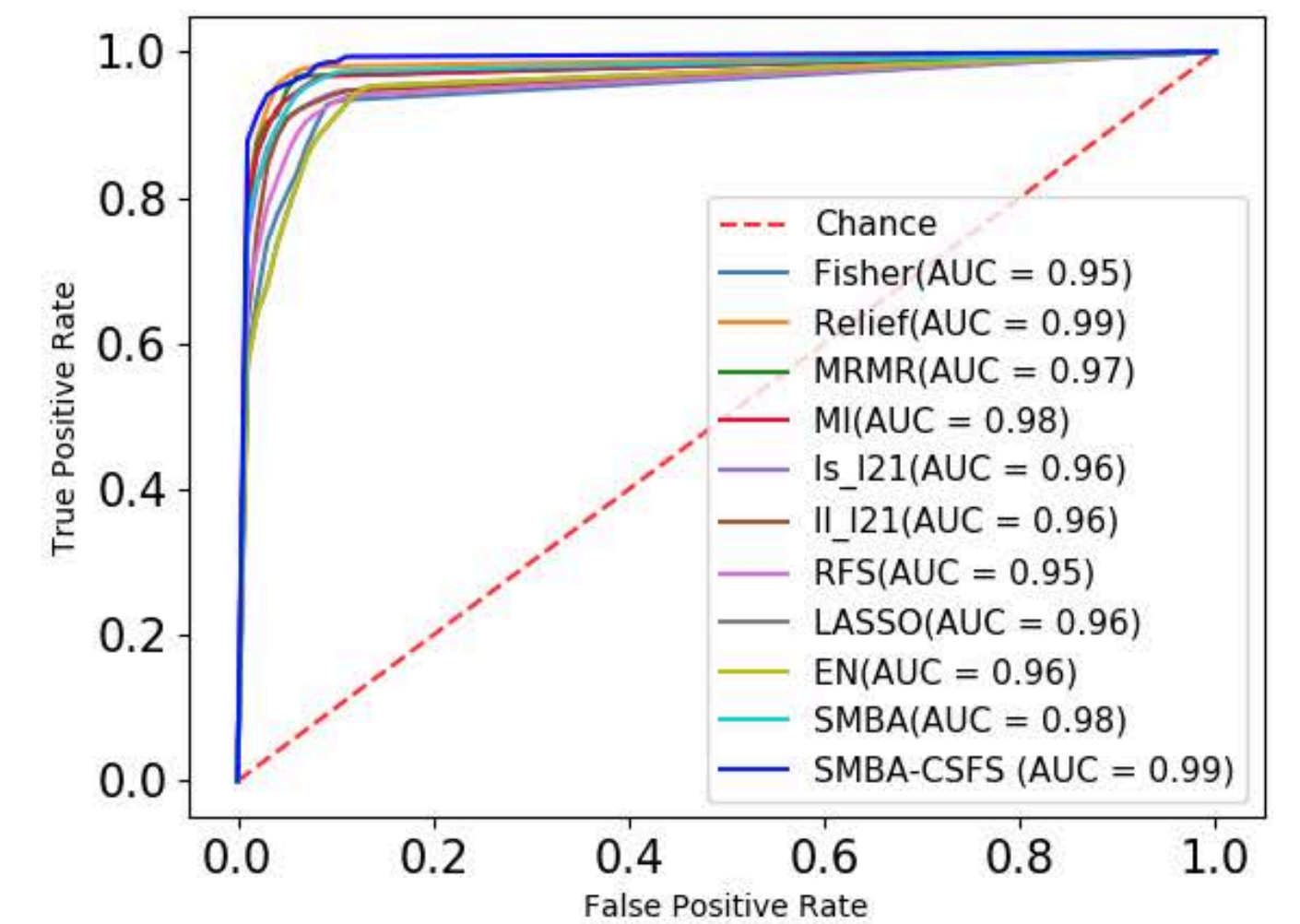
(f) LUNG_D (7)



(g) DLBCL (9)



(h) CARCINOM (11)



(i) GCM (14)

Figure 3. Averaged ROC curves comparing the performance among SMBA-CSFS and TFS methods for the classification of nine data sets on the first 20 features. Decision Tree classifier with 5-fold CV was used.

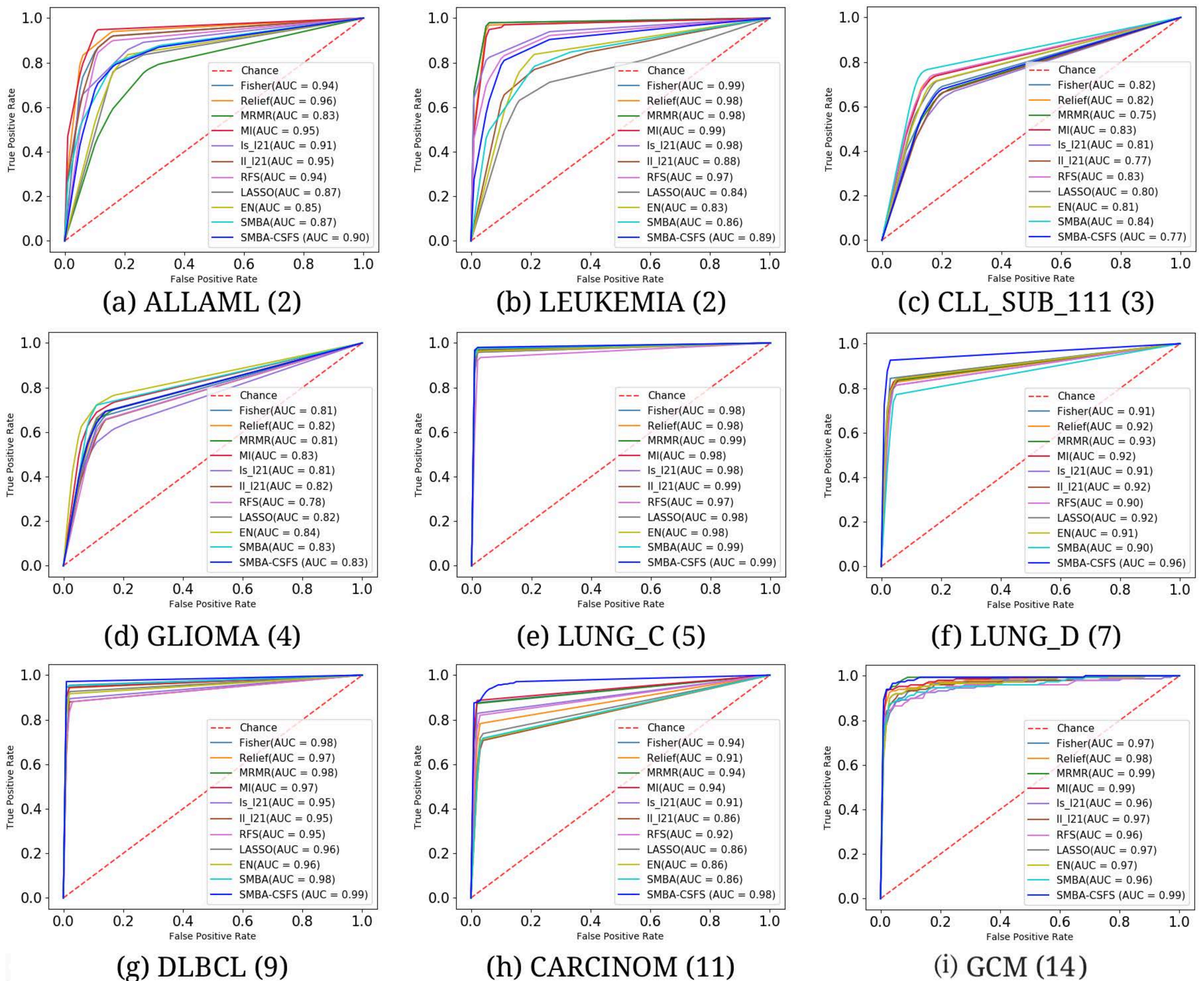
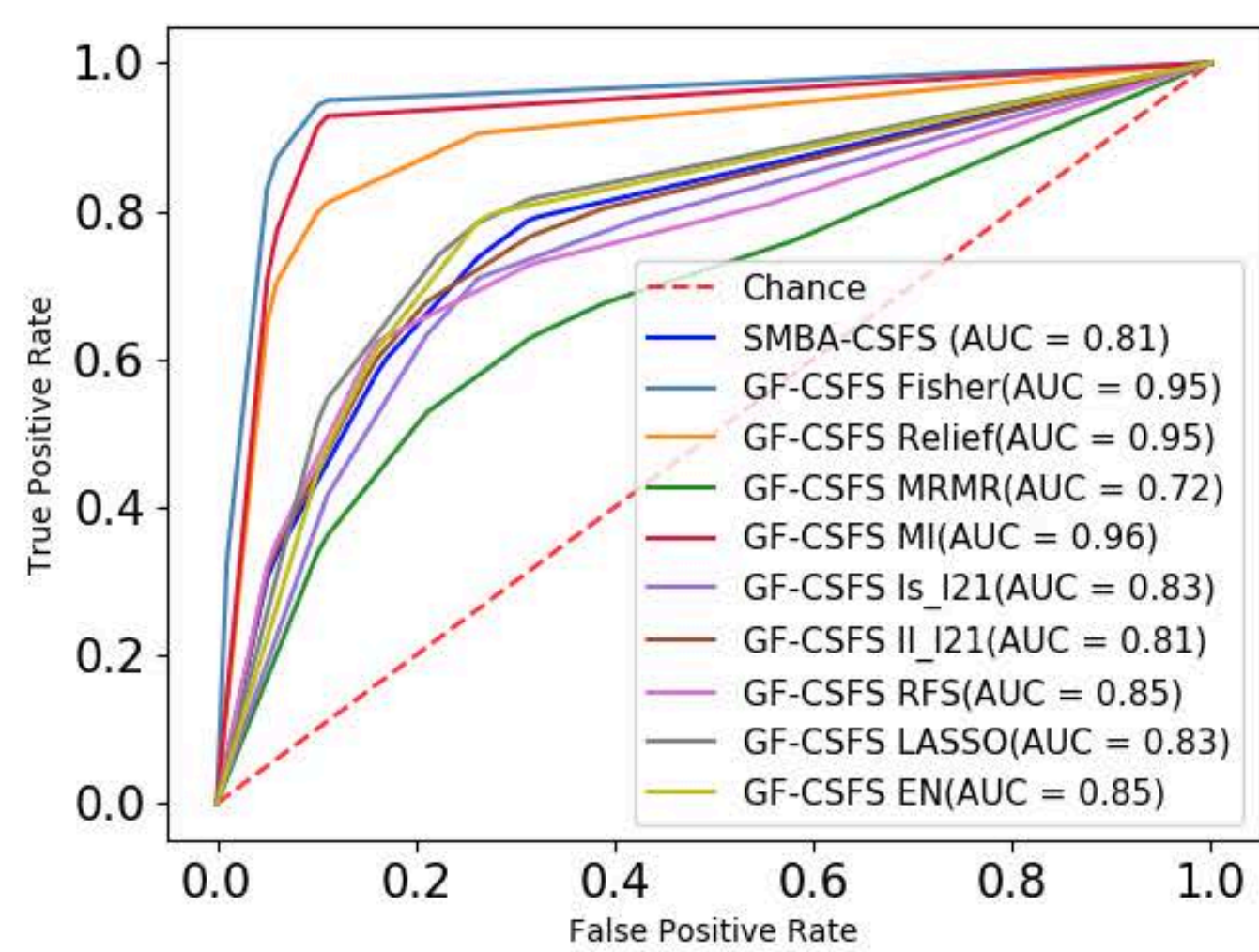
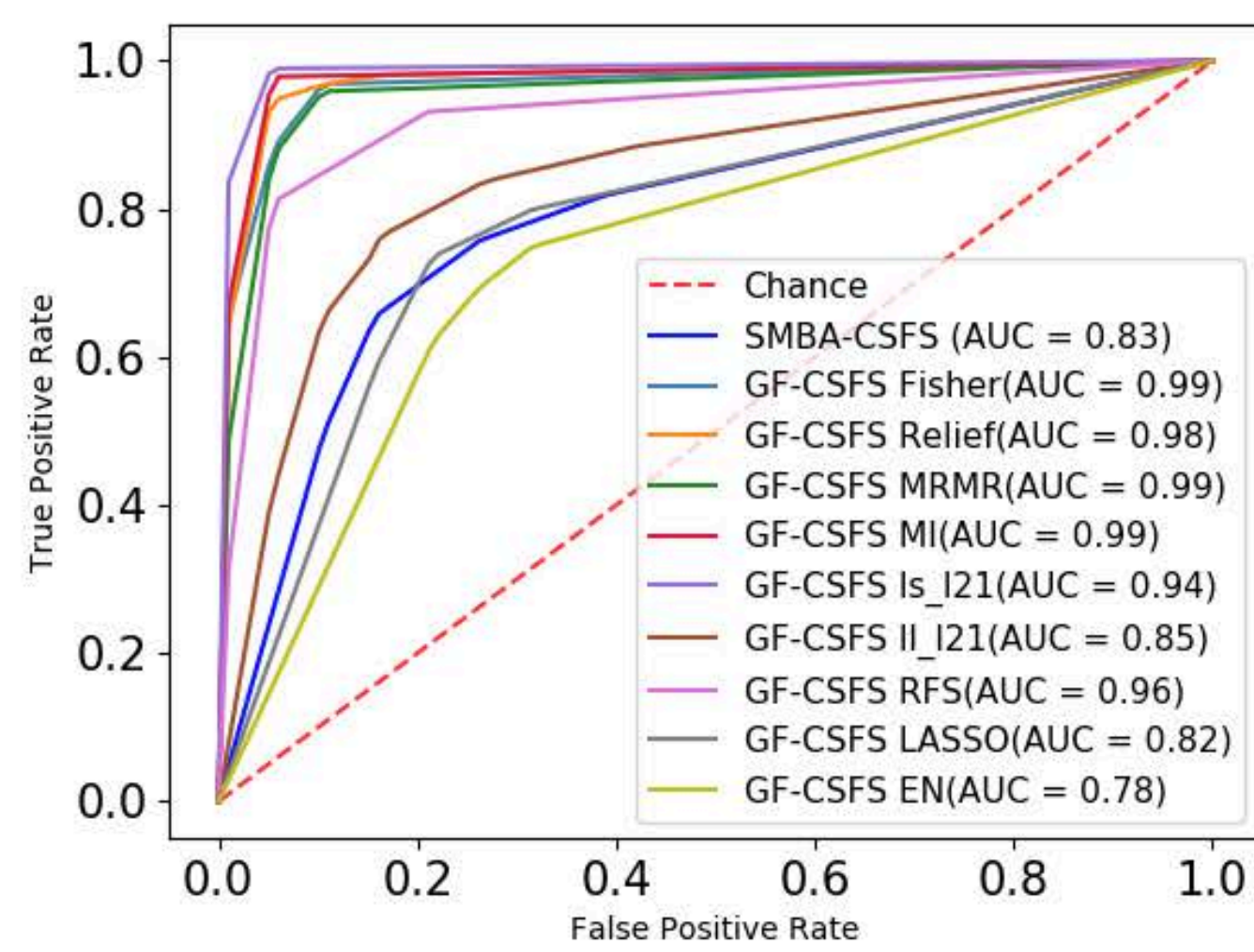


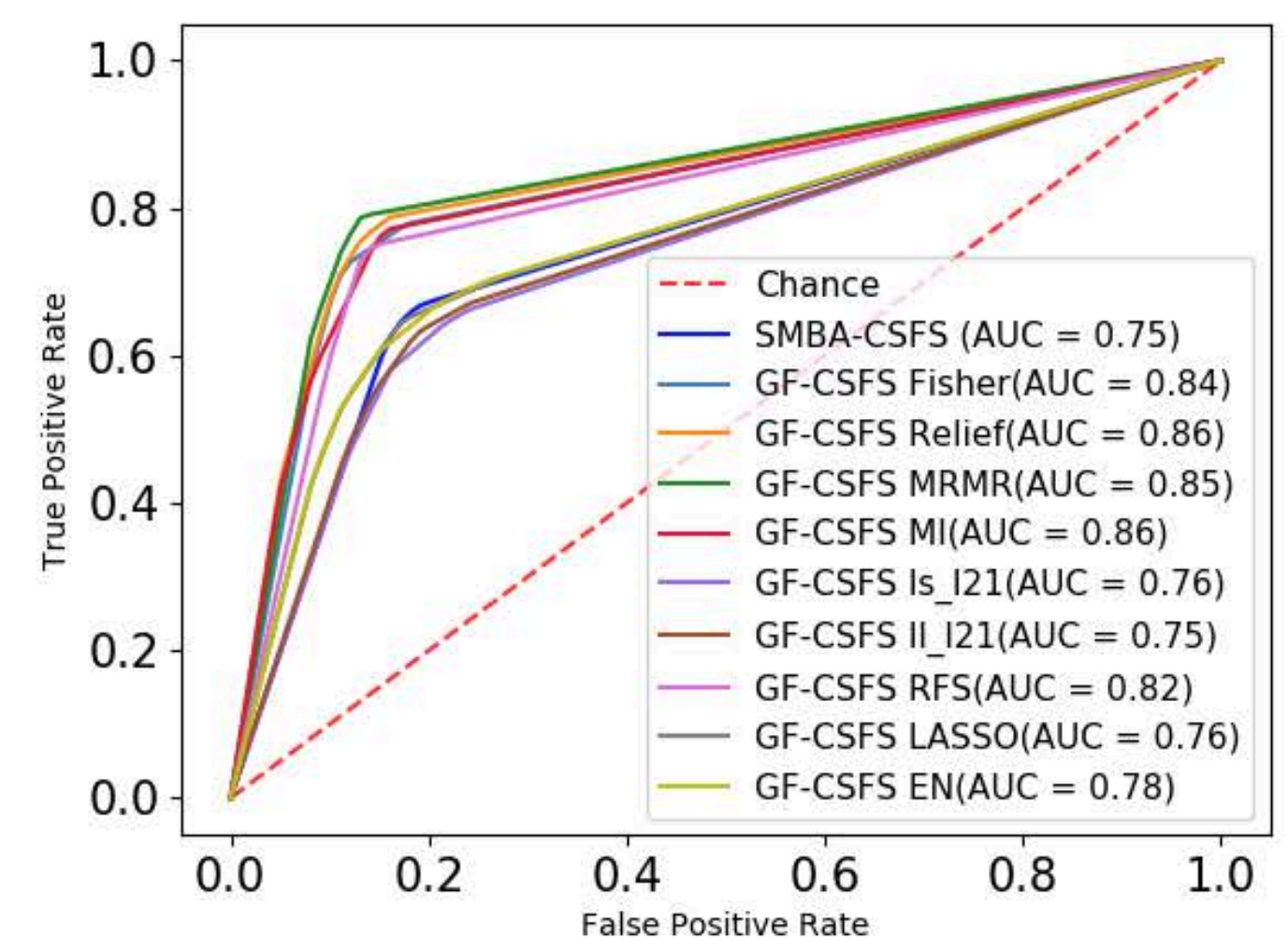
Figure 4. Averaged ROC curves comparing the performance among SMBA-CSFS and TFS methods for the classification of nine data sets on the first 80 features. Decision Tree classifier with 5-fold CV was used.



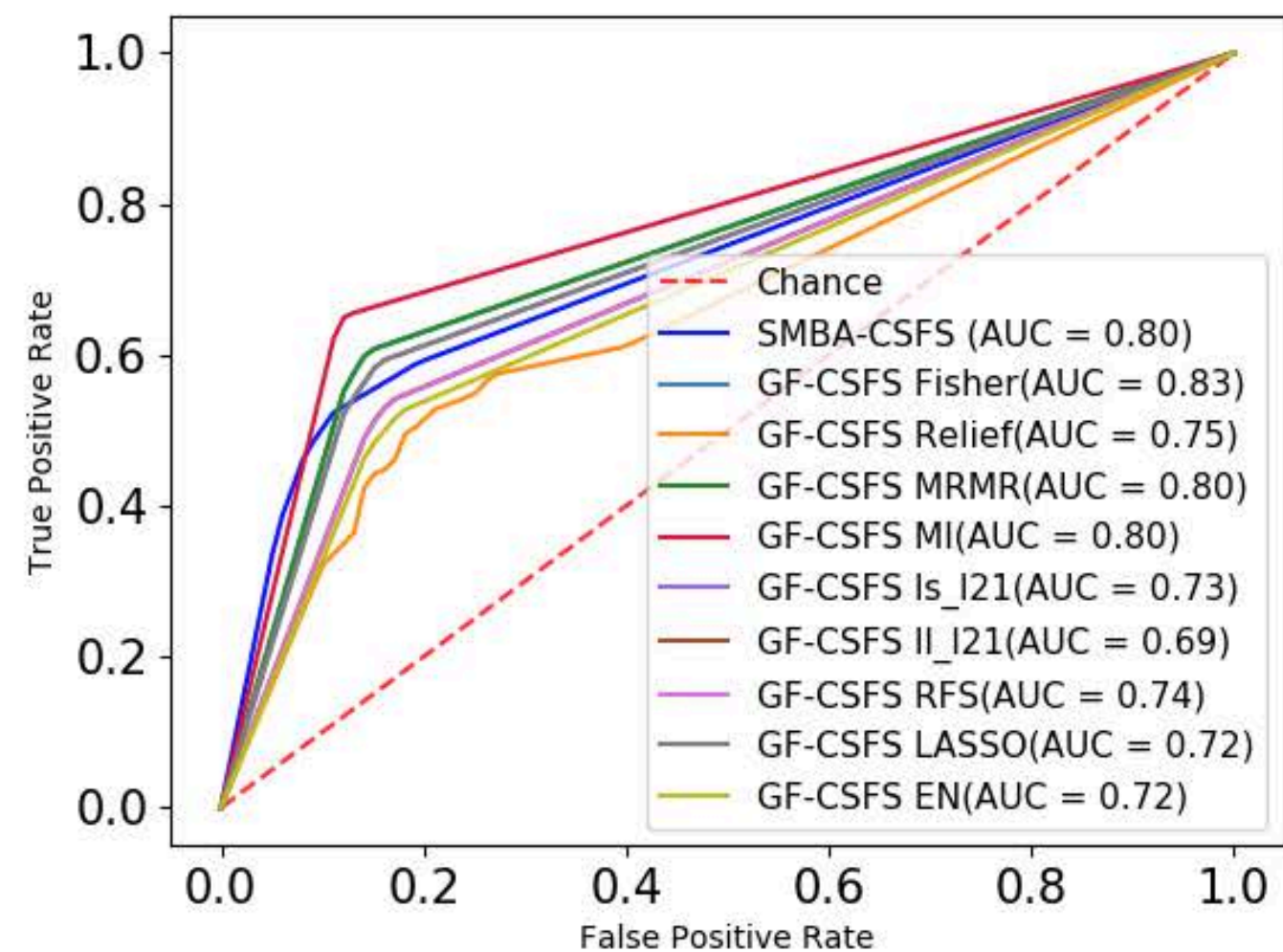
(a) ALLAML (2)



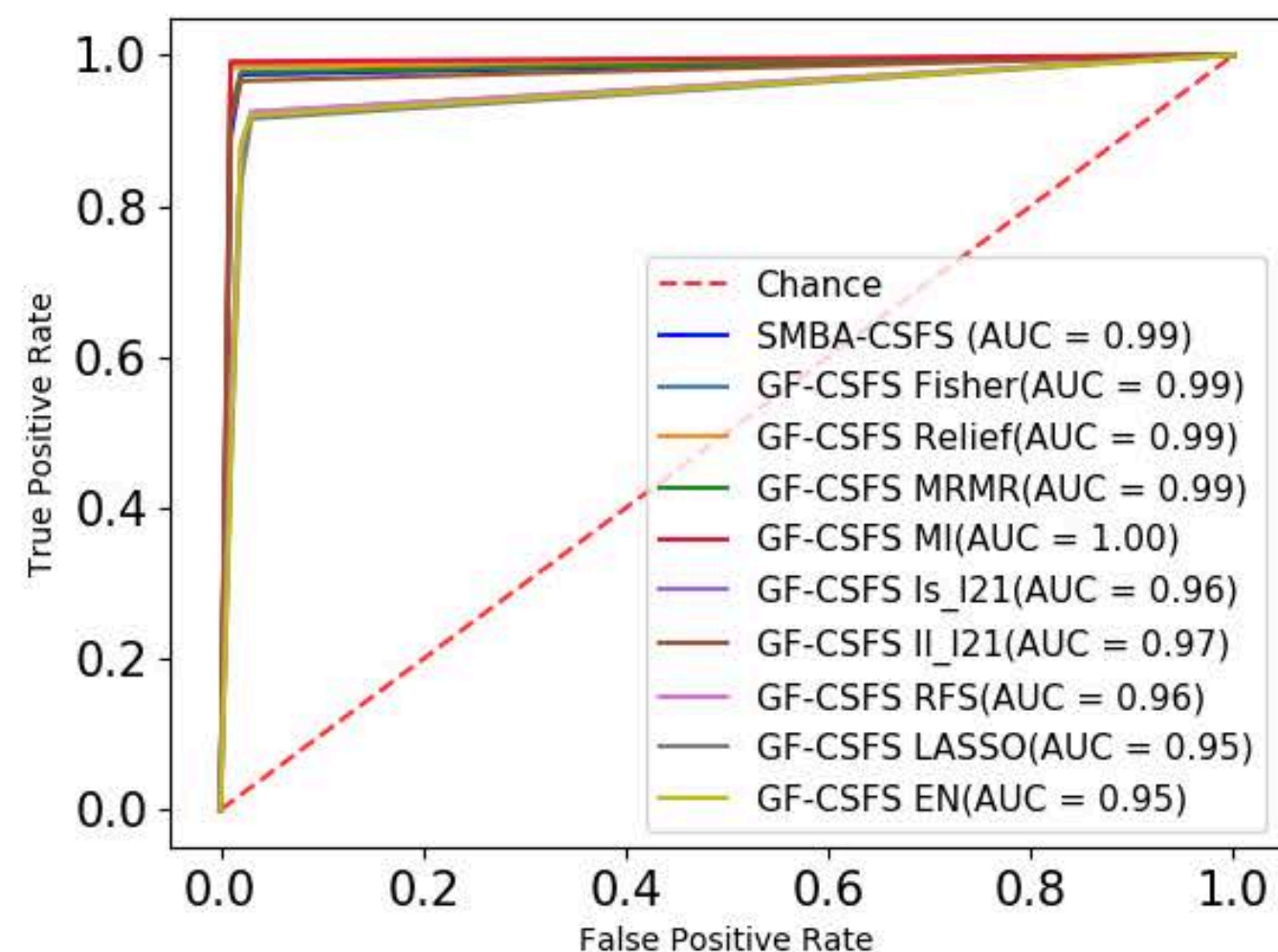
(b) LEUKEMIA (2)



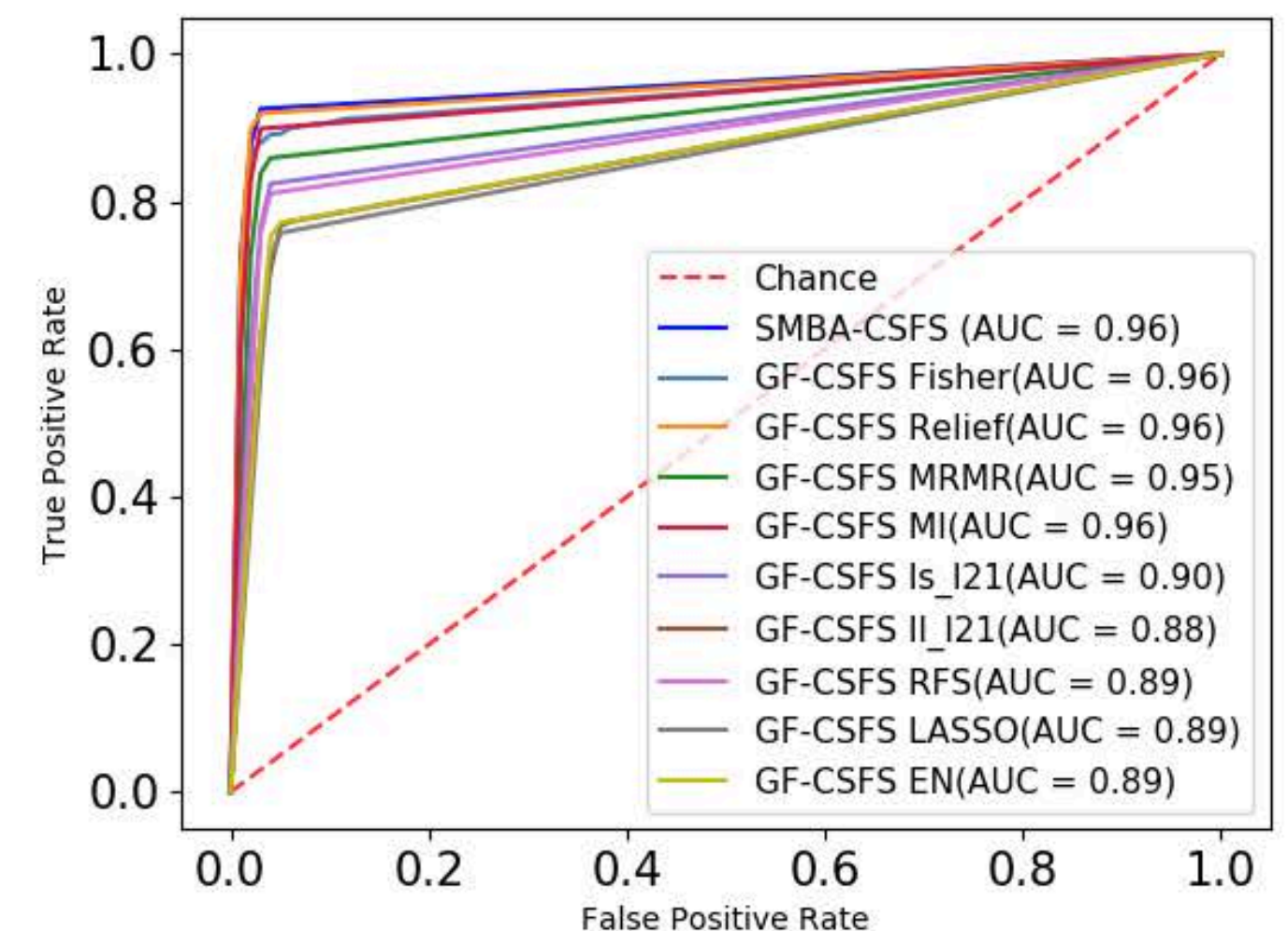
(c) CLL_SUB_111 (3)



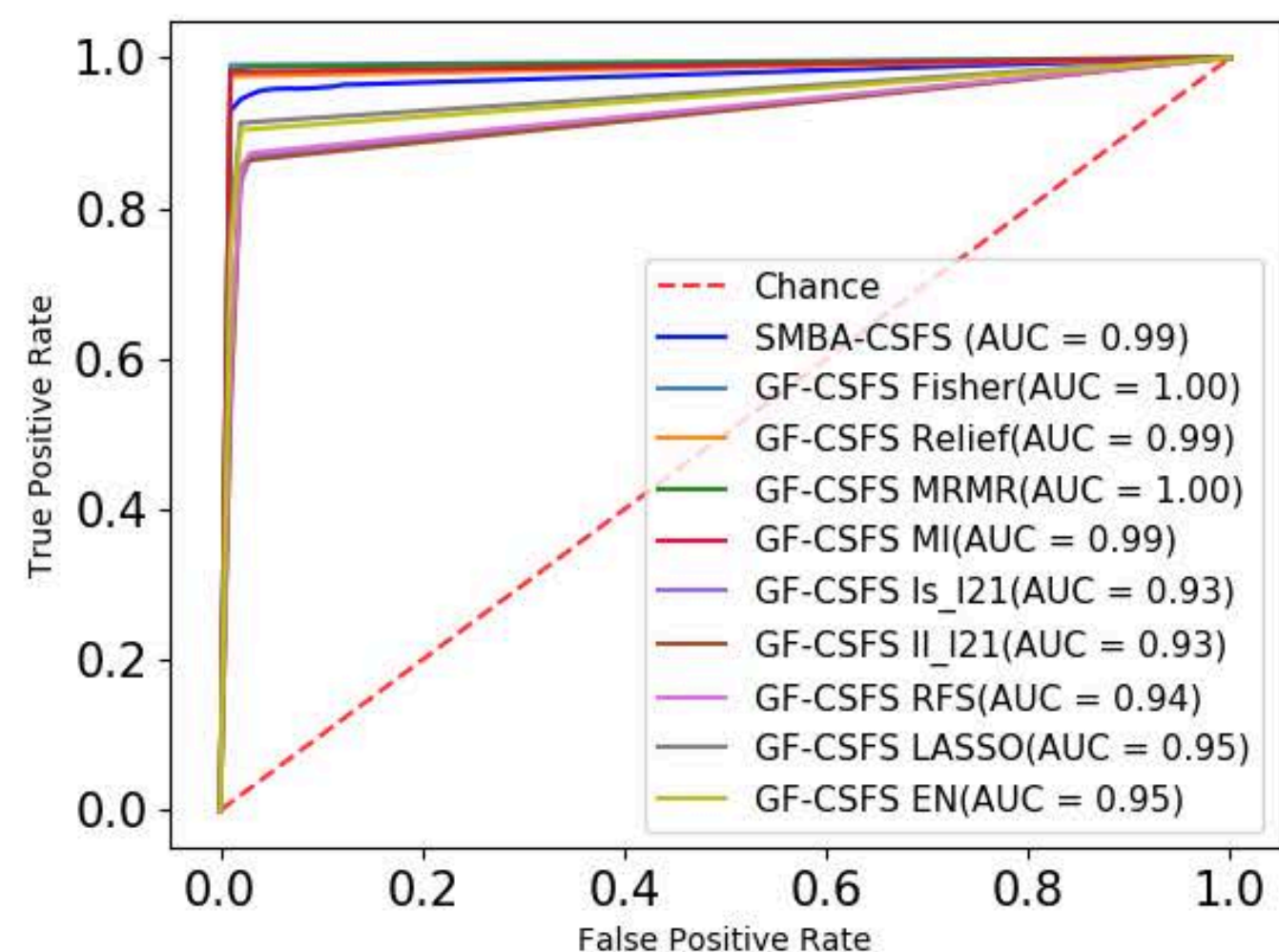
(d) GLIOMA (4)



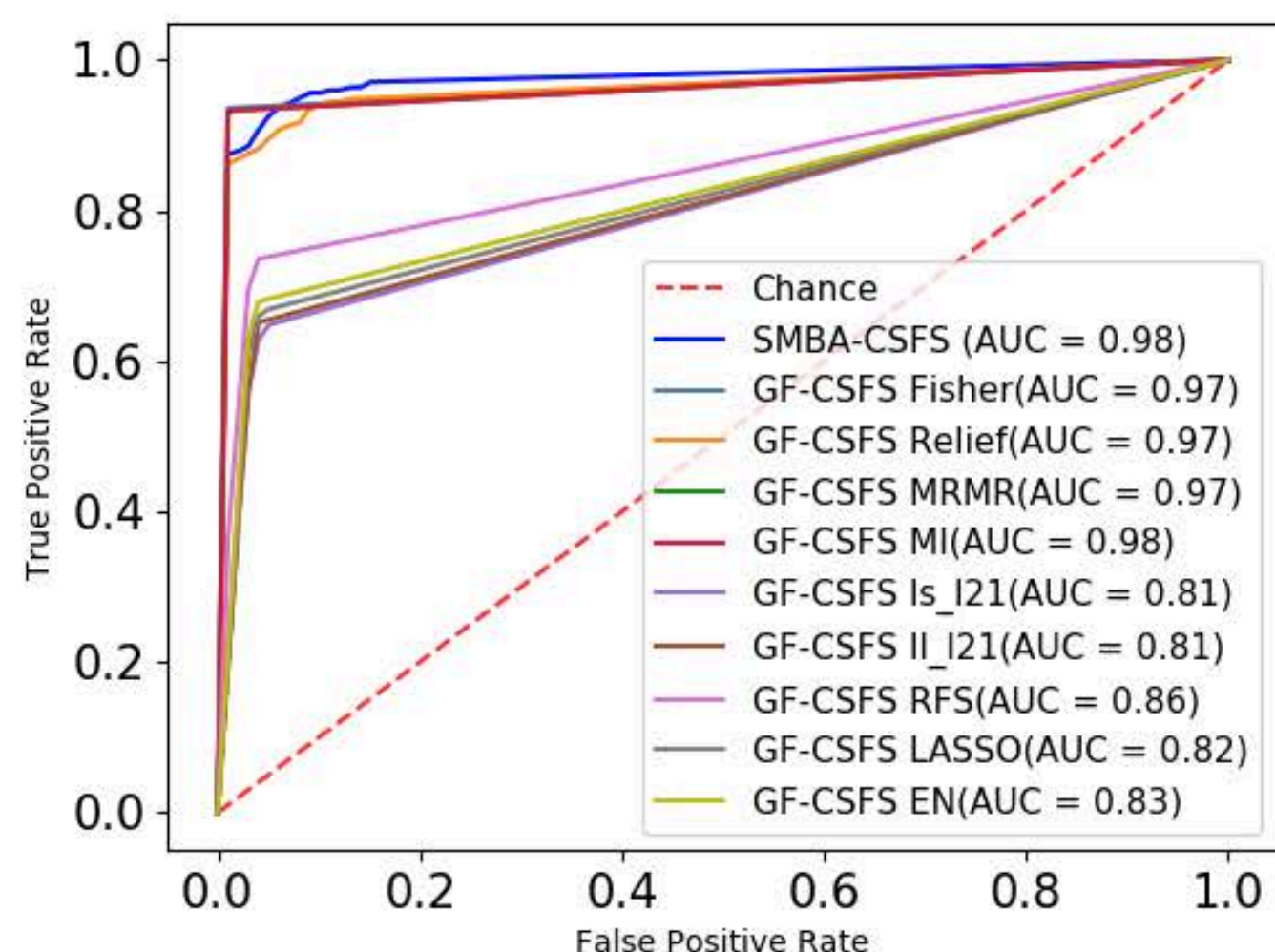
(e) LUNG_C (5)



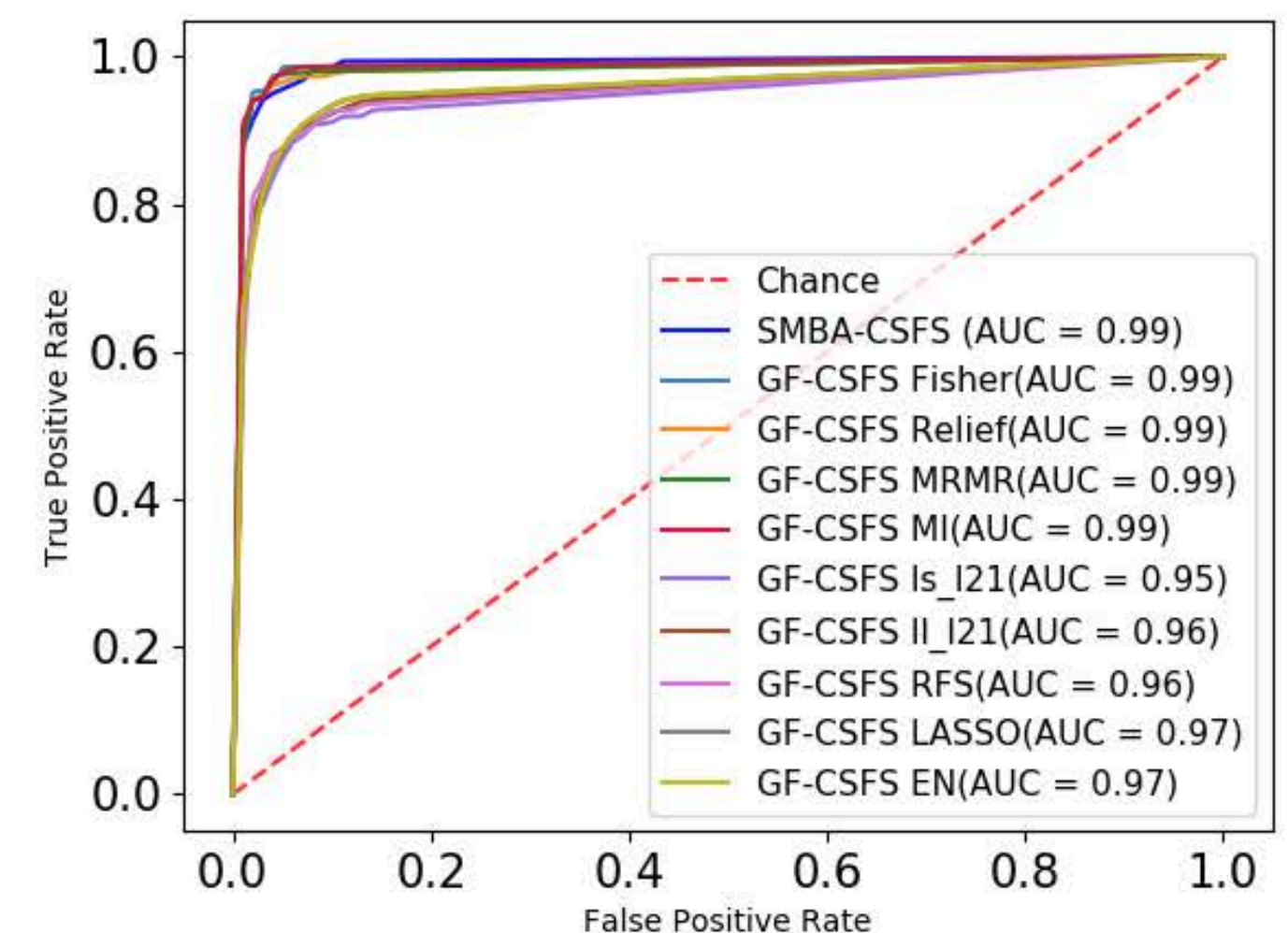
(f) LUNG_D (7)



(g) DLBCL (9)

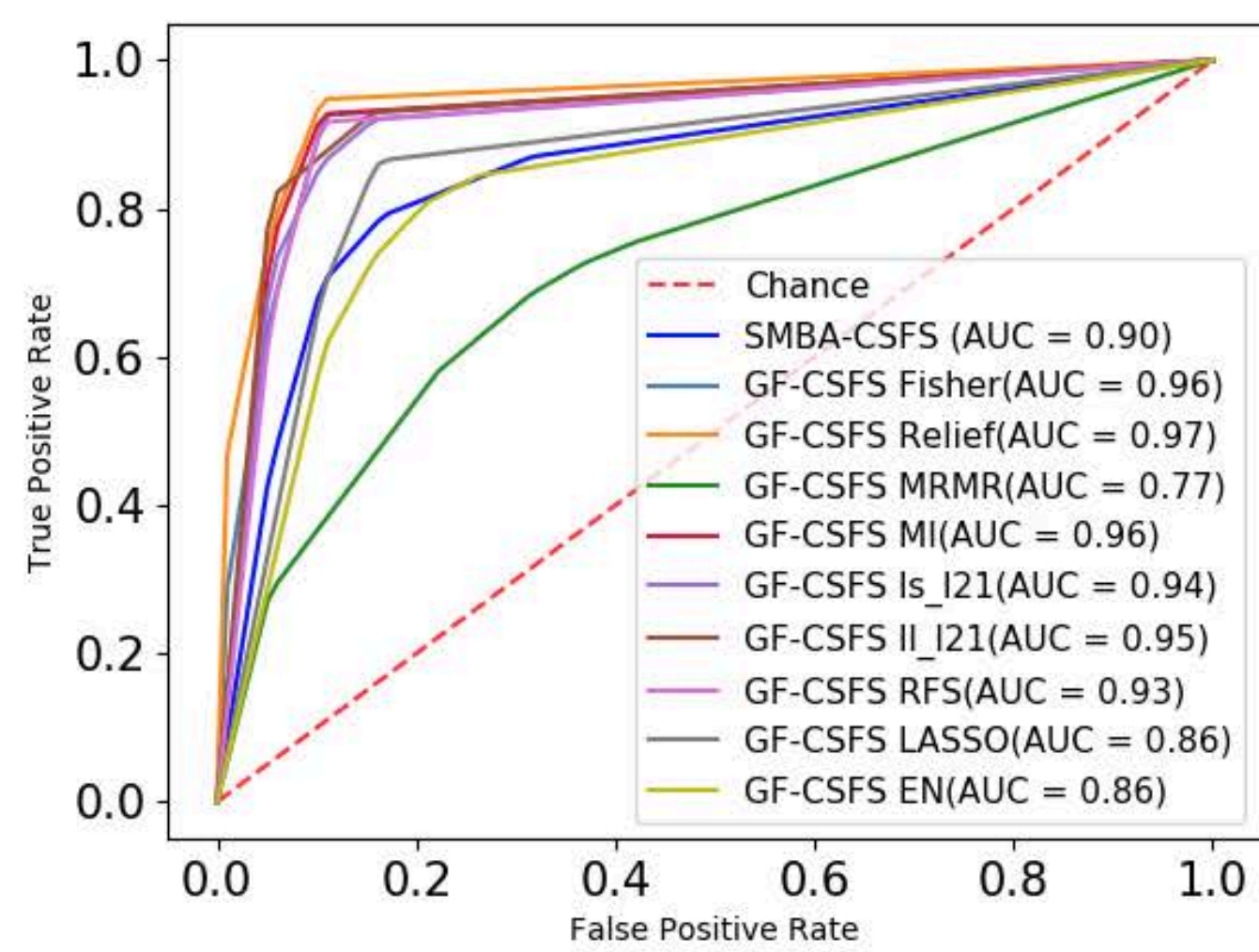


(h) CARCINOM (11)

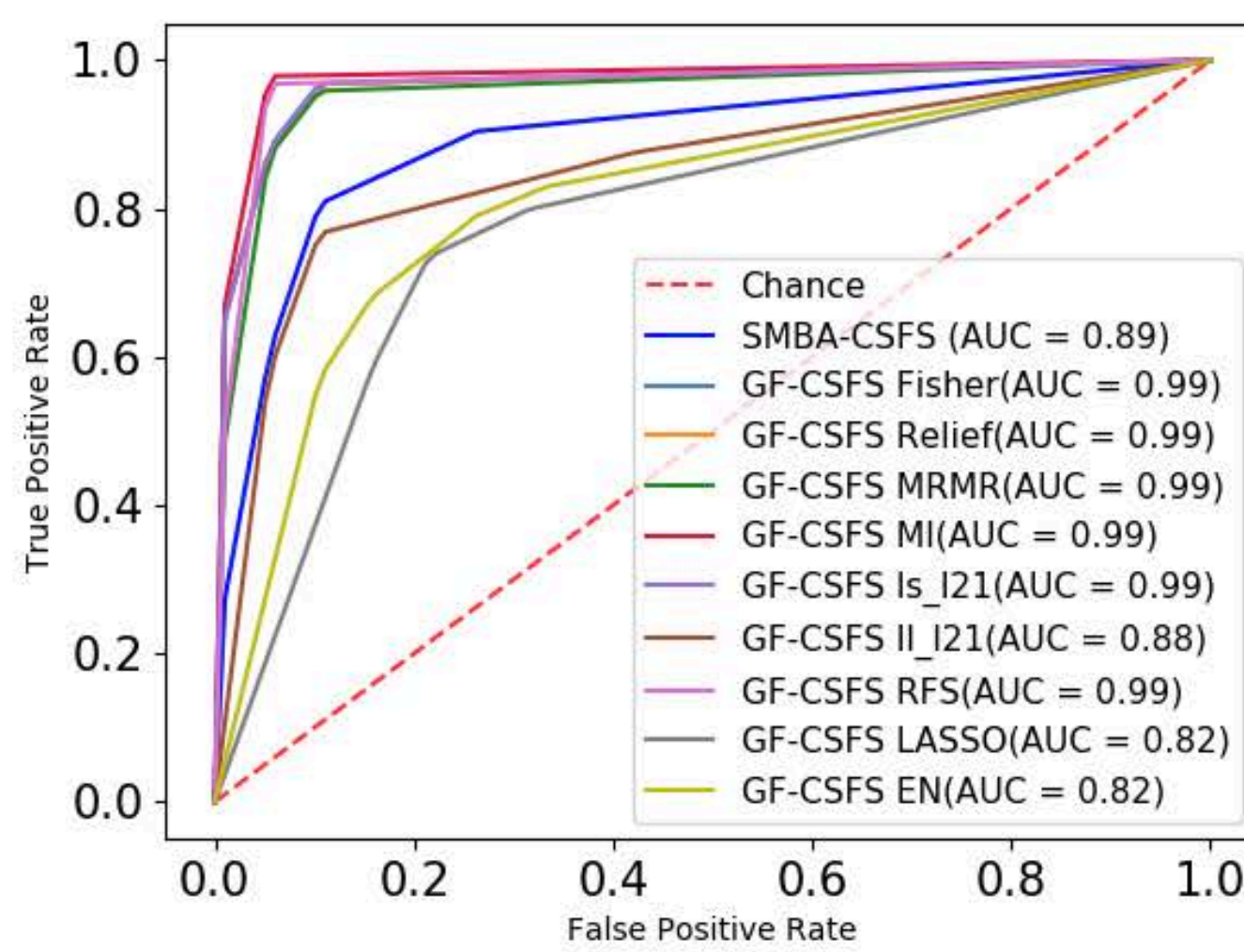


(i) GCM (14)

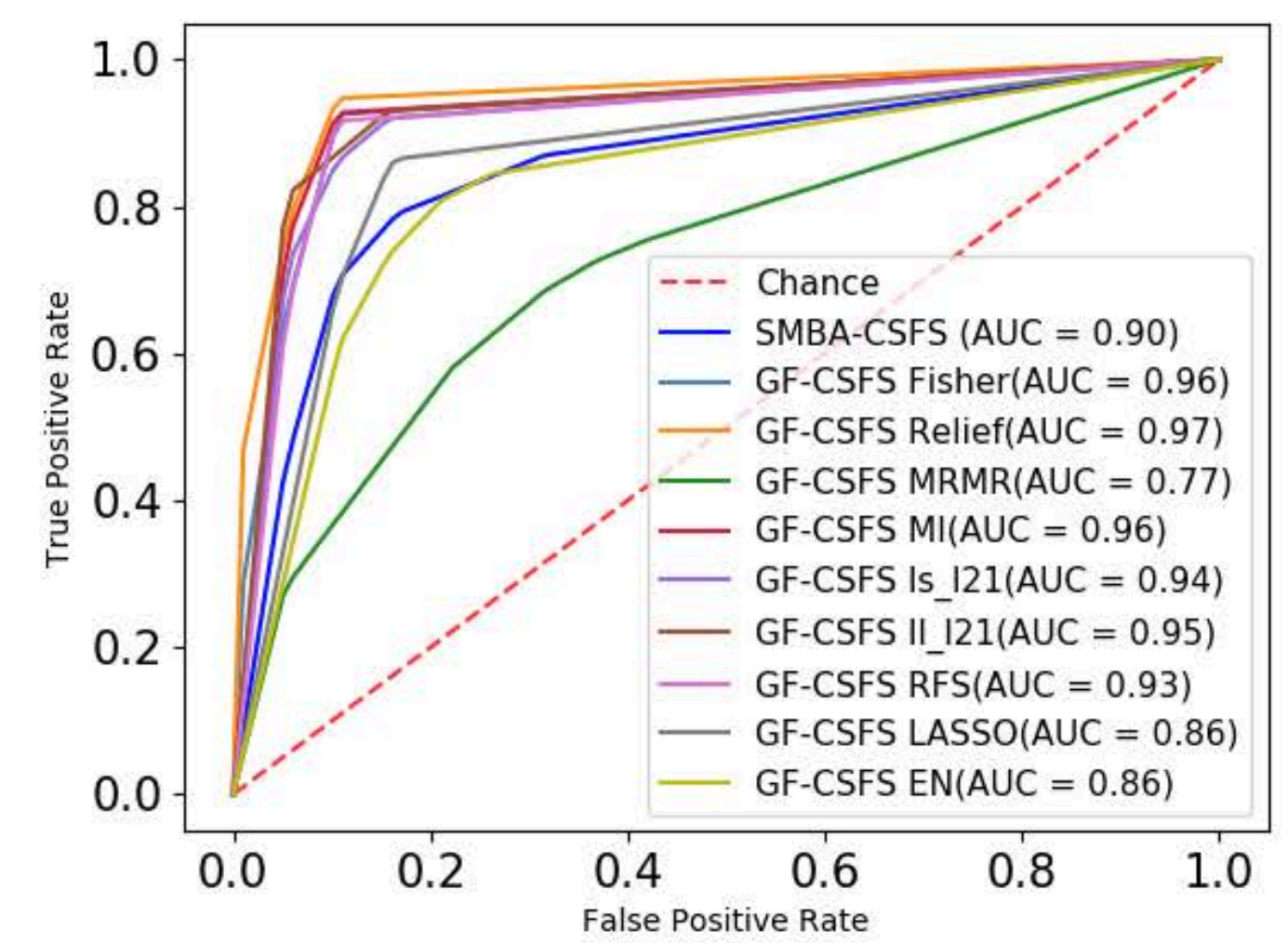
Figure 5. Averaged ROC curves comparing the performance among SMBA-CSFS and several CSFS methods for the classification of nine data sets on the first 20 features. Decision Tree classifier with 5-fold CV was used.



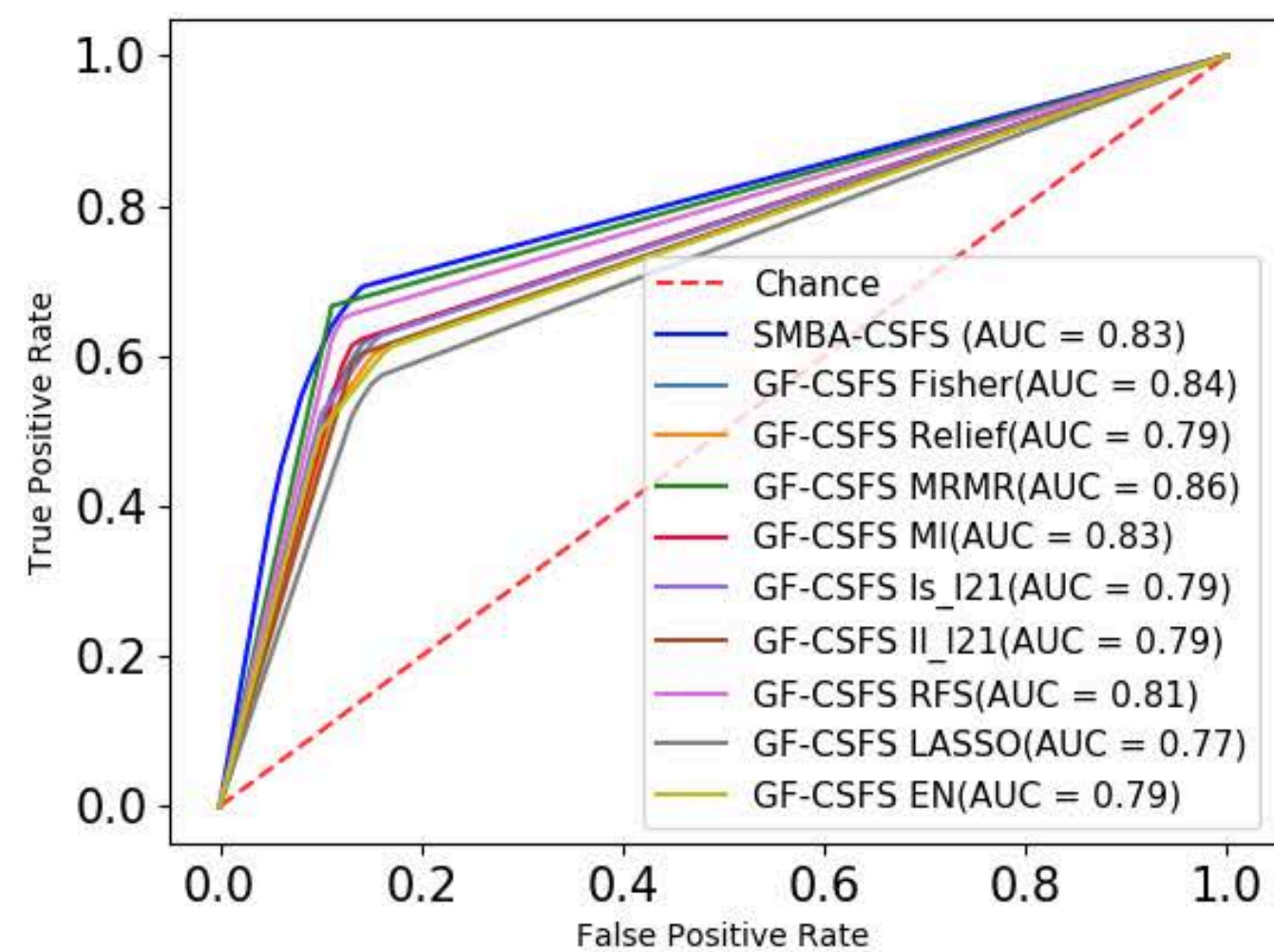
(a) ALLAML (2)



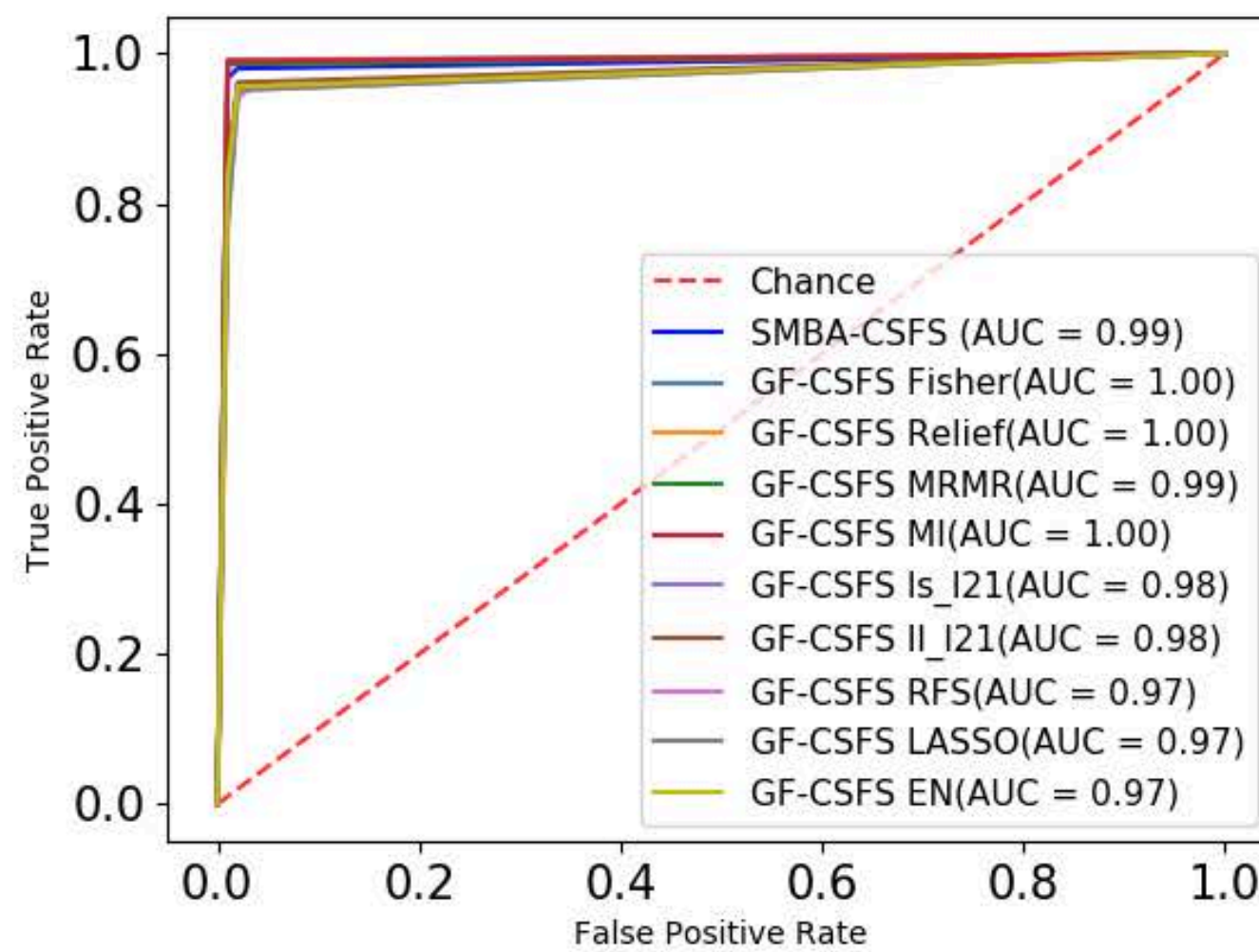
(b) LEUKEMIA (2)



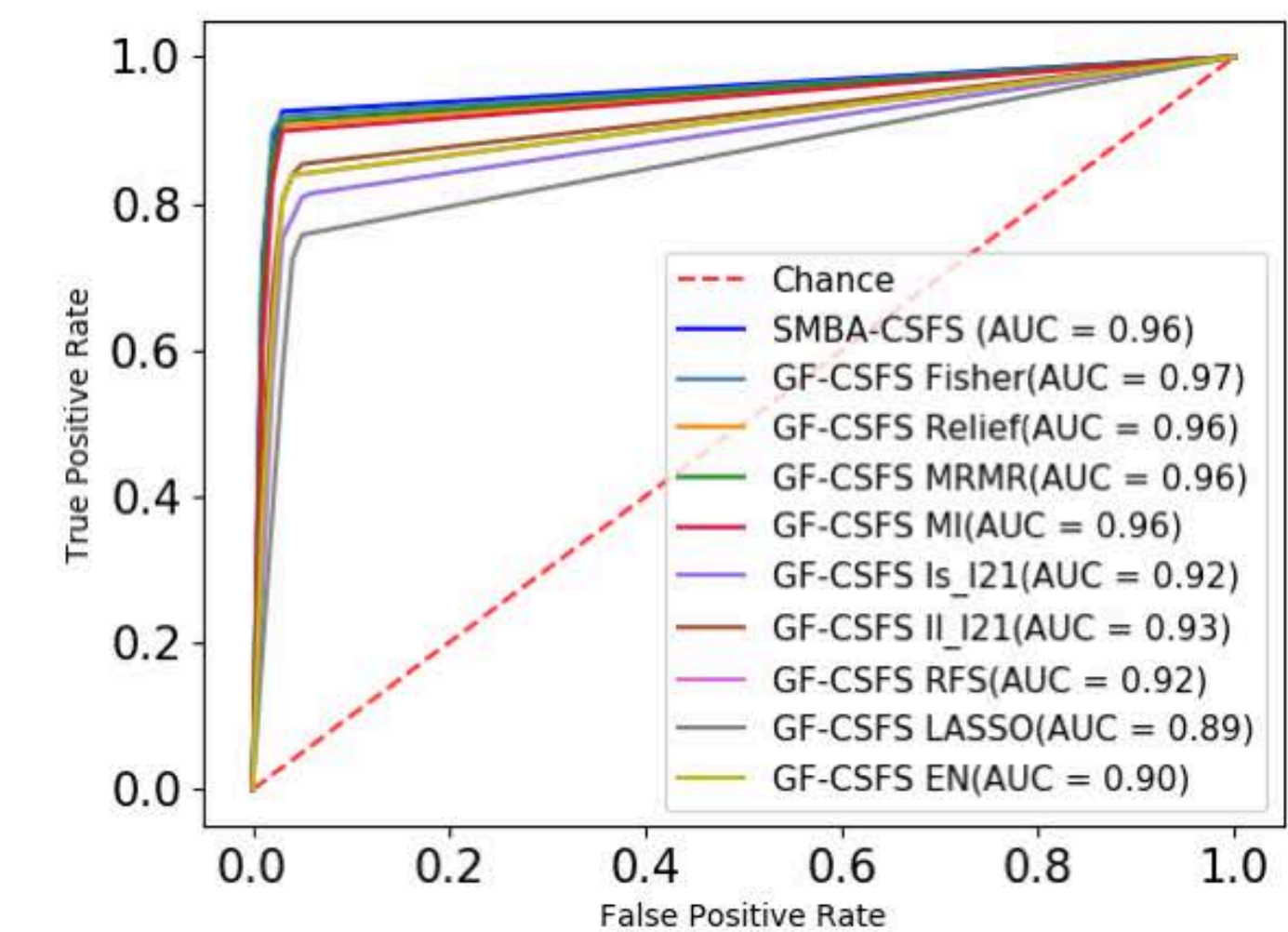
(c) CLL_SUB_111 (3)



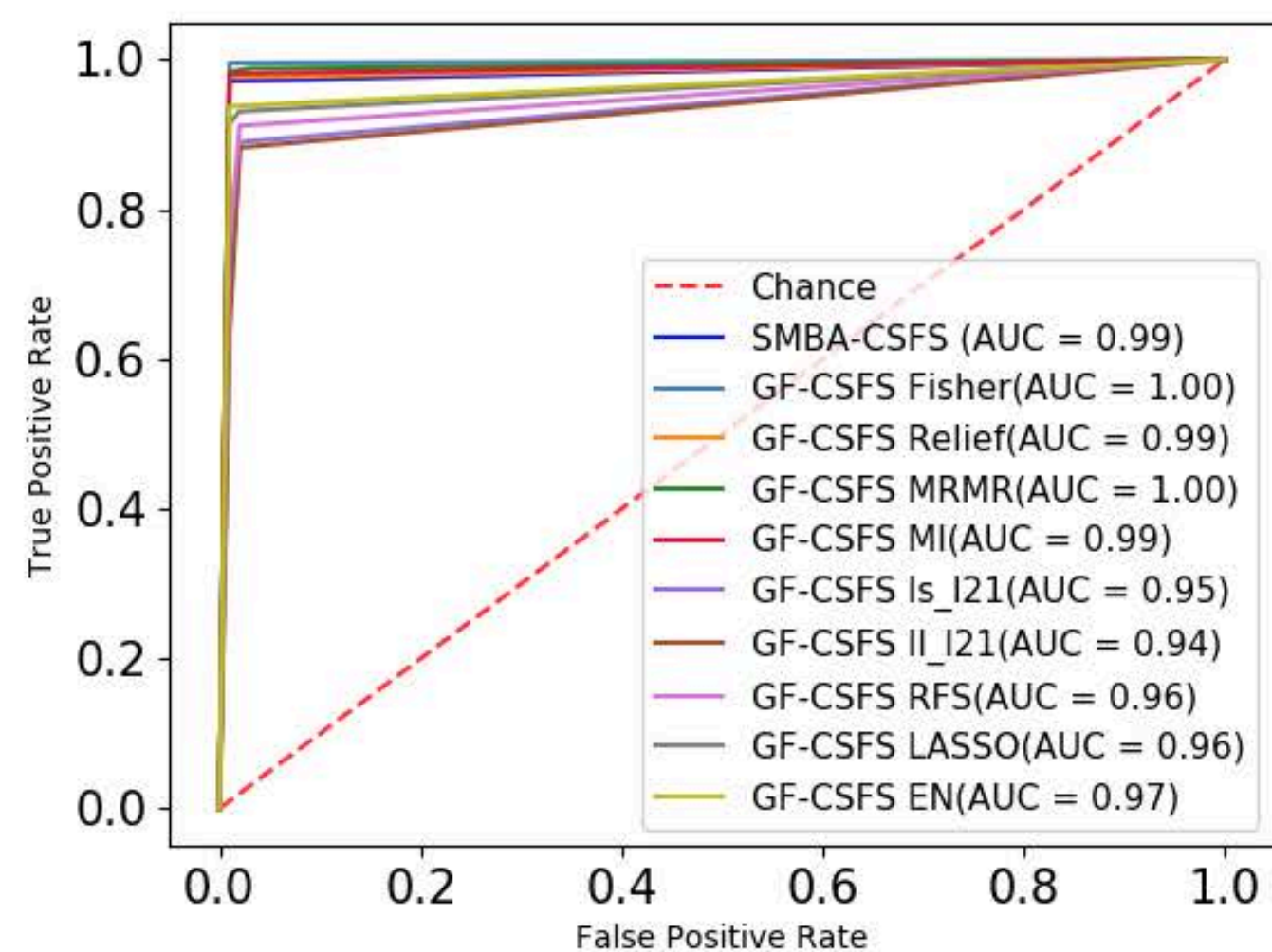
(d) GLIOMA (4)



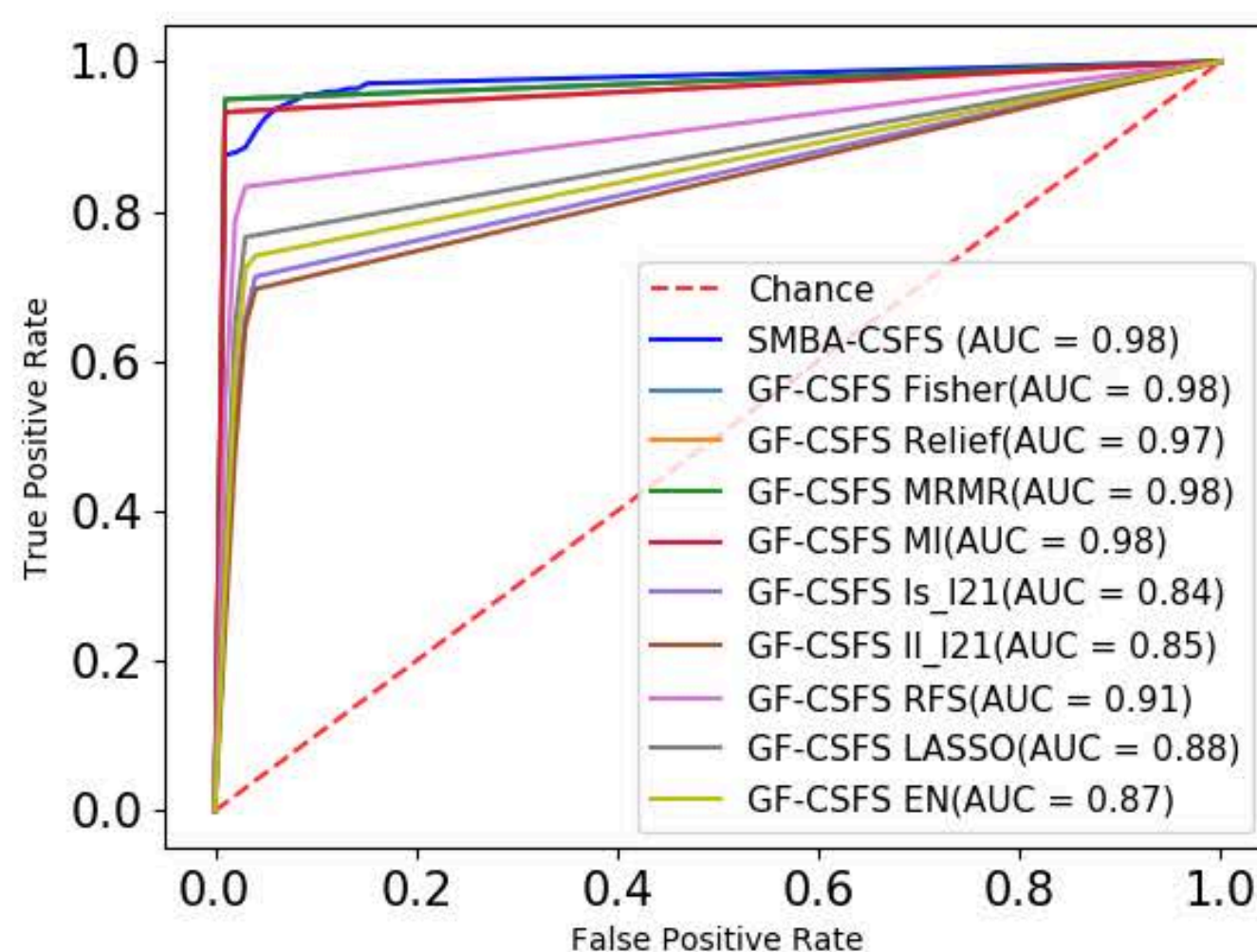
(e) LUNG_C (5)



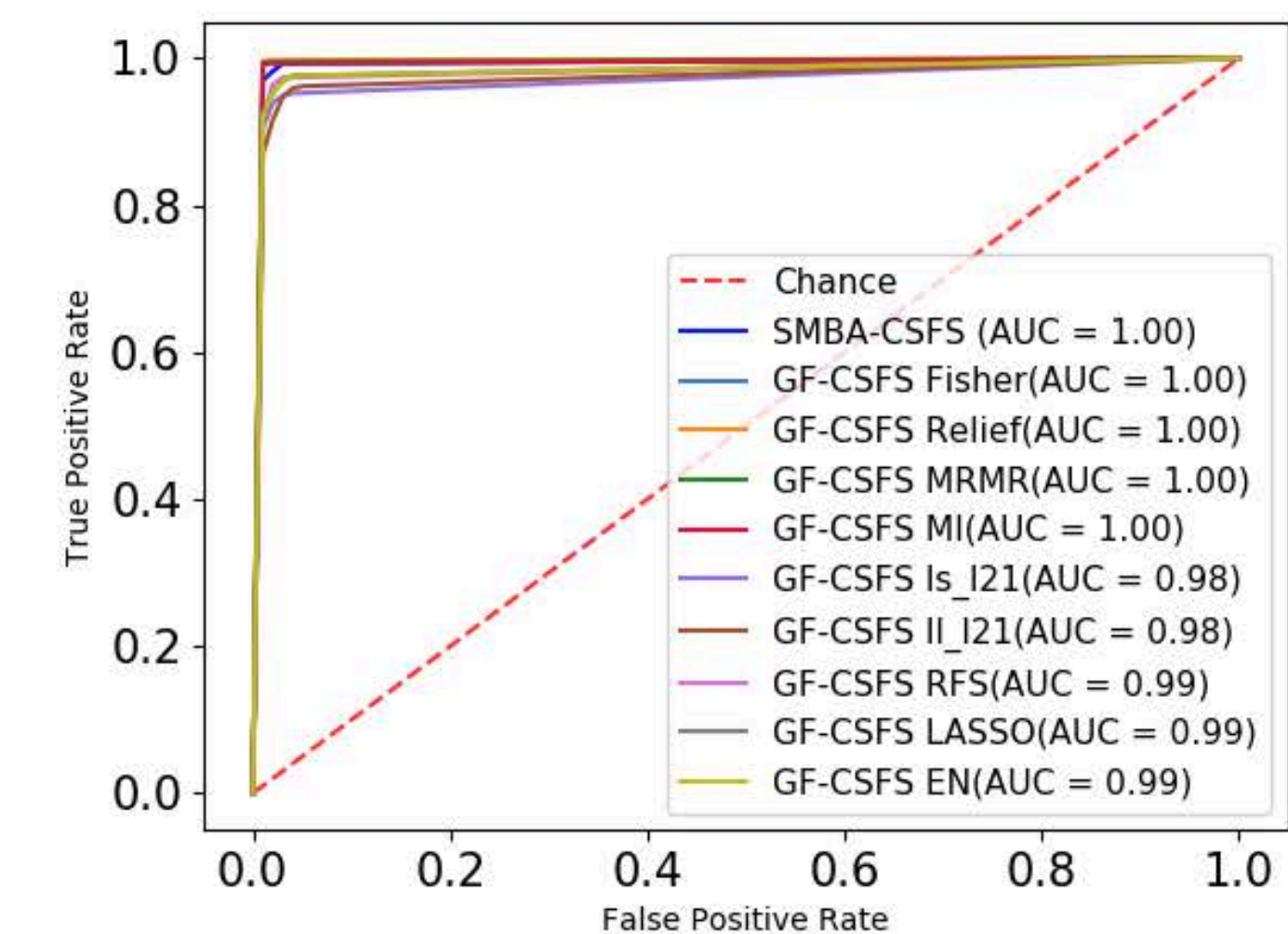
(f) LUNG_D (7)



(g) DLBCL (9)



(h) CARCINOM (11)



(i) GCM (14)

Figure 6. Averaged ROC curves comparing the performance among SMBA-CSFS and several CSFS methods for the classification of nine data sets on the first 80 features. Decision Tree classifier with 5-fold CV was used.