A

Ground_Truth
Classic
Desmoplastic

PCA
ICA
GoGAPS
NMF
DeepMF

Brain_MD_7 Brain_MD_59 Brain_MD_20 Brain_MD_21 Brain_MD_50 Brain_MD_49 Brain_MD_45 Brain_MD_43 Brain_MD_8 Brain_MD_42 Brain_MD_1 Brain_MD_4 Brain_MD_55 Brain_MD_41 Brain_MD_37 Brain_MD_3 Brain_MD_34 Brain_MD_29 Brain_MD_13 Brain_MD_24 Brain_MD_65 Brain_MD_5 Brain_MD_66 Brain_MD_67 Brain_MD_58 Brain_MD_53 Brain_MD_56 Brain_MD_16 Brain_MD_40 Brain_MD_35 Brain_MD_30 Brain_MD_23 Brain_MD_28 Brain_MD_60

B

Ground_Truth
ALL_B−cell
ALL_T−cell
AML

PCA
ICA
GoGAPS
NMF
DeepMF

ALL_19769_B−cell ALL_23953_B−cell ALL_28373_B−cell ALL_9335_B−cell ALL_9692_B−cell ALL_14749_B−cell ALL_17281_B−cell ALL_19183_B−cell ALL_20414_B−cell ALL_21302_B−cell ALL_549_B−cell ALL_17929_B−cell ALL_20185_B−cell ALL_11103_B−cell ALL_18239_B−cell ALL_5982_B−cell ALL_7092_B−cell ALL_R11_B−cell ALL_R23_B−cell ALL_16415_T−cell ALL_19881_T−cell ALL_9186_T−cell ALL_9723_T−cell ALL_17269_T−cell ALL_14402_T−cell ALL_17638_T−cell ALL_22474_T−cell AML_12 AML_13 AML_14 AML_16 AML_20 AML_1 AML_2 AML_3 AML_5 AML_6 AML_7

C

Ground_Truth
Basal
Her2
LumA

PCA
ICA
GoGAPS
NMF
DeepMF

A0FJ A13E A0G0 A0SX A143 A0DA A0B3 A0I2 A0RT A131 A124 A1B6 A1AZ A0YM A04P A04T A0AT A0AL A0CE A07R A0FL A150 A0E0 A0U4 A0XU A0AV A0AR A0RX A0D2 A0CM A0WX A0T0 A0T2 A04U A0JL A147 A0B9 A1AI A14X A12V A1AY A0D0 A0SK A128 A04D A0A7 A094 A0I9 A12L A0EE A135 A152 A18P A18R A08X A0TX A09X A1AT A12Q A12T A0RH A071 A04W A12P A0EQ A0D1 A09G A1B0 A14P A0T1 A137 A13Z A08L A0IK A12D A0XN A0B0 A18S A0CS A0EI A0IO A0T6 A1AU A07Z A0XS A1BD A08T A12Y A0J5 A18F A0AS A0DV A140 A0SU A12A A0RM A0AZ A0EW A0XW A12B A0BP A0RG A0T7 A08A A0DK A0SH A18N A06P A15L A0YL A1AL A133 A086 A0I8 A0EA A09A A0DS A1B1 A0X0 A1AP A0W5 A0JF A1AV A0RO A08Z A0DV A0DP A0EX A15R A0FD A0ES A0BM A0EU A12X A146 A0CD A0BQ A04A A0CT A07Z A03L A1AK A0E1 A0H7 A0FS A0BS A08O A12H A15E A0W4

D

Ground_Truth
EWS
BL
NB
RMS

PCA
ICA
GoGAPS
NMF
DeepMF

EWS.T1 EWS.T2 EWS.T3 EWS.T4 EWS.T6 EWS.T7 EWS.T9 EWS.T11 EWS.T12 EWS.T13 EWS.T14 EWS.T15 EWS.T19 EWS.C8 EWS.C3 EWS.C2 EWS.C4 EWS.C6 EWS.C9 EWS.C7 EWS.C1 EWS.C11 EWS.C10 BL.C5 BL.C6 BL.C7 BL.C8 BL.C1 BL.C2 BL.C3 BL.C4 NB.C1 NB.C2 NB.C3 NB.C6 NB.C12 NB.C7 NB.C4 NB.C5 NB.C10 NB.C11 NB.C9 NB.C8 RMS.C4 RMS.C3 RMS.C9 RMS.C2 RMS.C5 RMS.C6 RMS.C7 RMS.C8 RMS.C10 RMS.C11 RMS.T1 RMS.T4 RMS.T2 RMS.T6 RMS.T7 RMS.T8 RMS.T5 RMS.T3 RMS.T10 RMS.T11