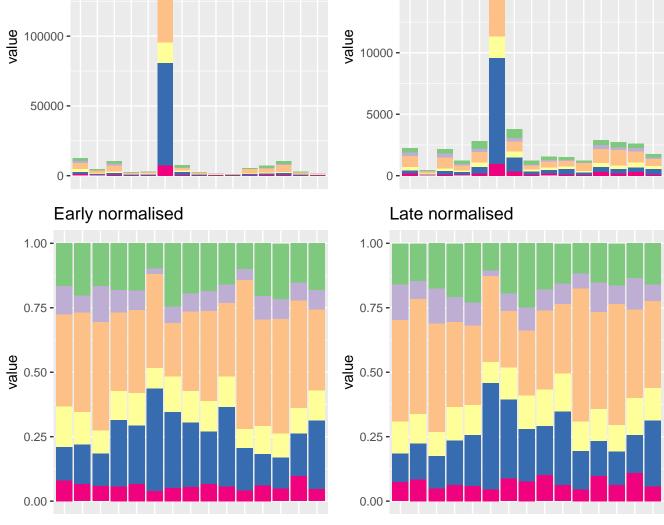
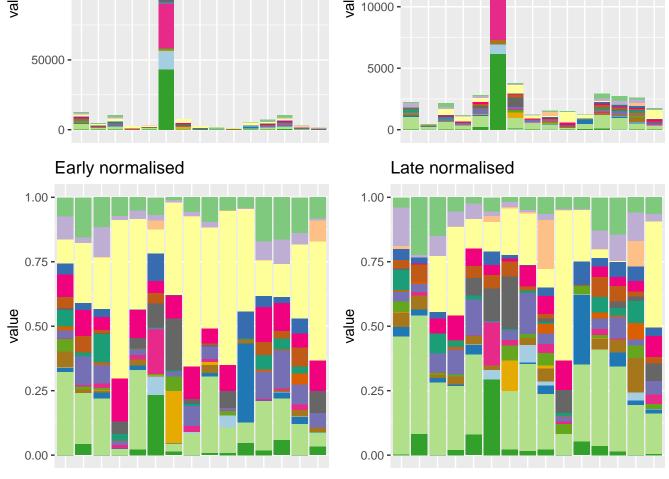
Biliary-AdenoCA nucleotidesubstitution1 Early raw Late raw 20000 -150000 -15000 -- 00000 **-**100000 -50000 -5000 -Early normalised Late normalised 1.00 -1.00 -0.75 -0.75 value - 05.0 -



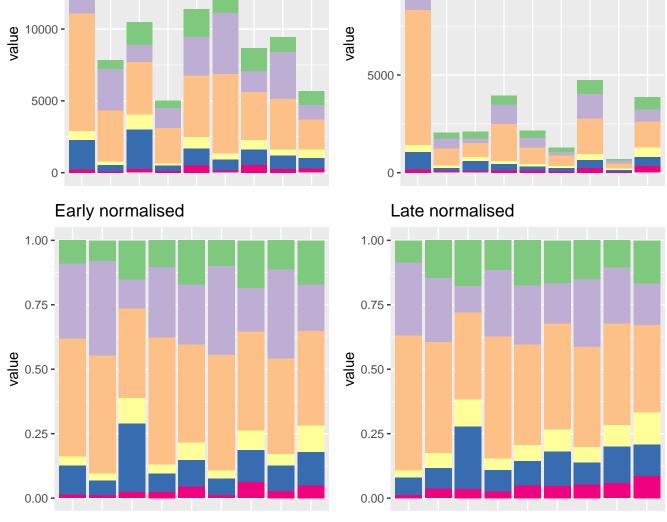
Early raw

Late raw

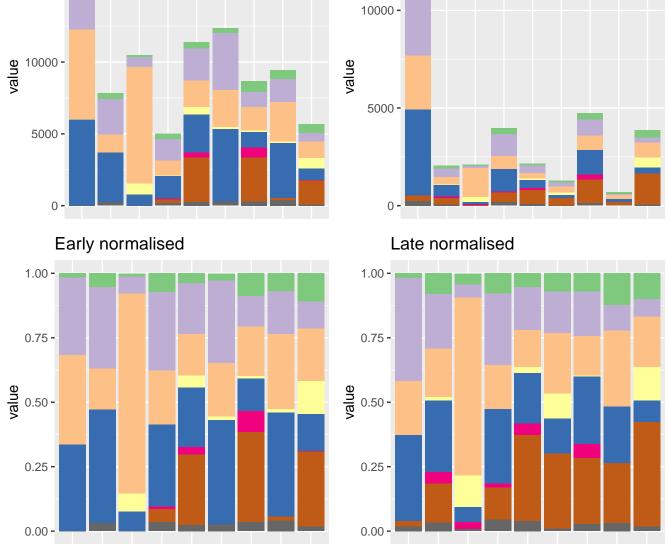
150000
9 100000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000
50000



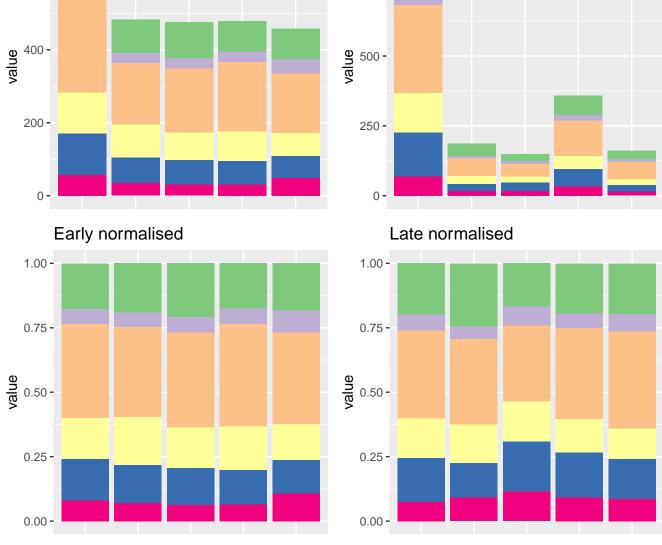
Bladder-TCC nucleotidesubstitution1 Early raw Late raw 15000 -10000 -10000 value 5000 -5000 -Early normalised Late normalised 1.00 -1.00 -



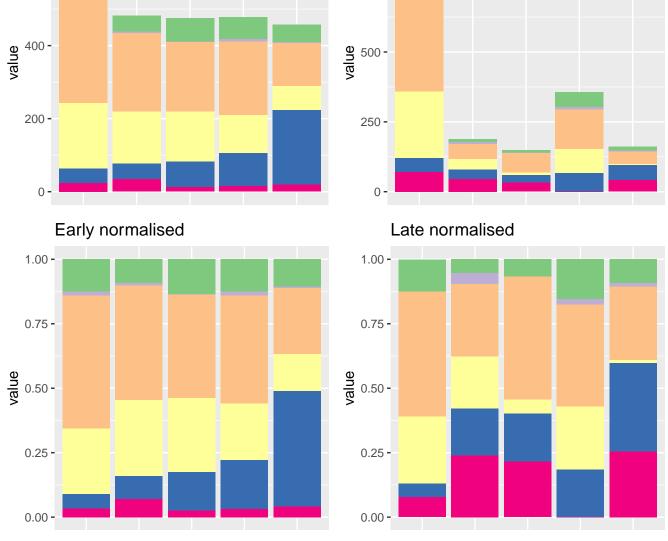
Bladder-TCC signatures Early raw Late raw 15000 -10000 -10000 value 5000 -5000 -



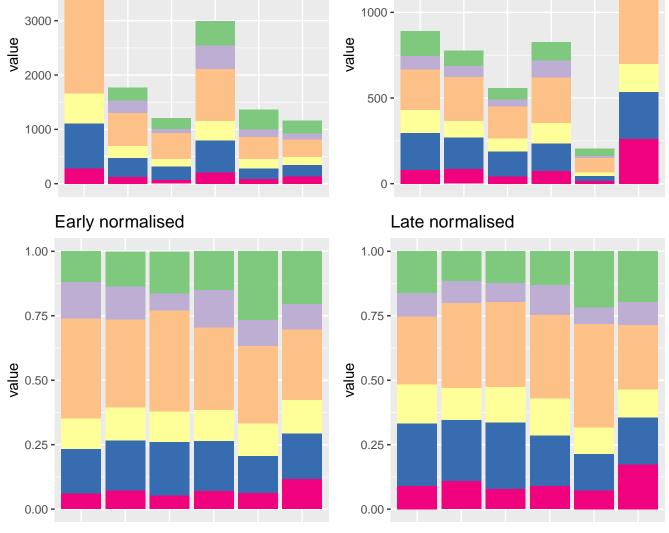
Bone-Benign nucleotidesubstitution1 Early raw Late raw 600 -750 value value 200 -250 **-**0 -0 -Late normalised Early normalised 1.00 -1.00 -0.75 **-**0.75 -



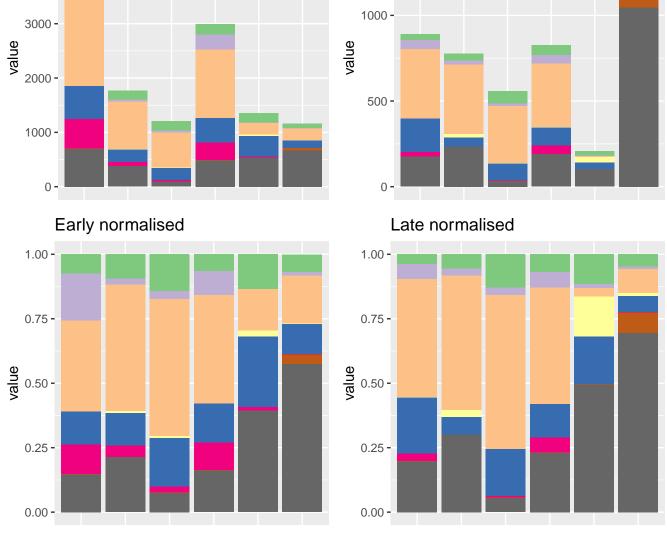
Bone-Benign signatures Early raw Late raw 600 -750 value value 200 -250 **-**0 -Early normalised Late normalised 1.00 -1.00 -



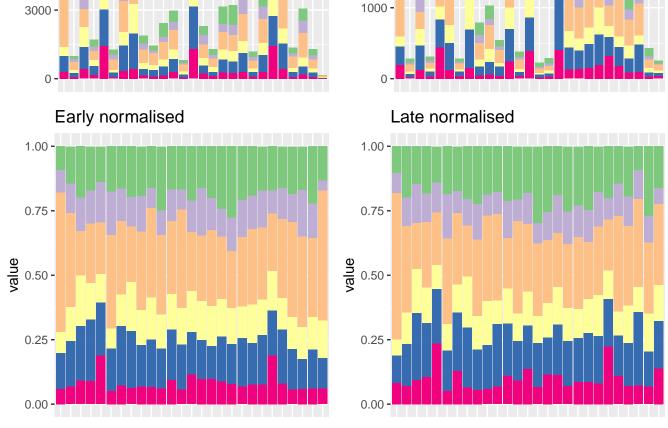
Bone-Epith nucleotidesubstitution1 Early raw Late raw 1500 -4000 -1000 -3000 value 2000 -500 -1000 -Late normalised Early normalised



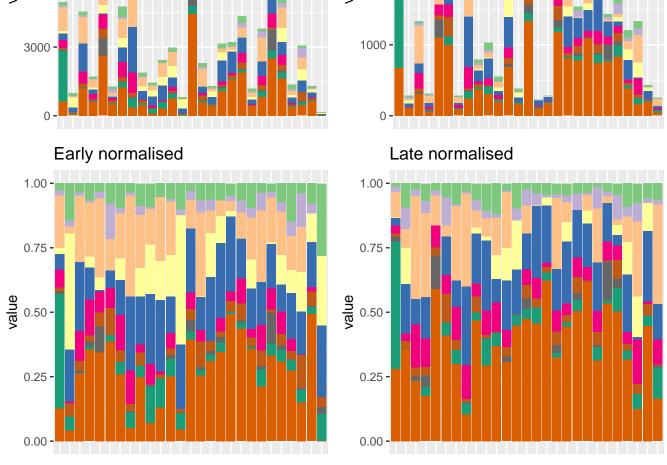
Bone-Epith signatures Early raw Late raw 1500 -4000 -1000 -3000 value 2000 -500 -1000 -0 -Early normalised Late normalised



Bone-Osteosarc nucleotidesubstitution1 Early raw Late raw 3000 -9000 -- 2000 value - 0000 -1000 -3000 -Late normalised Early normalised



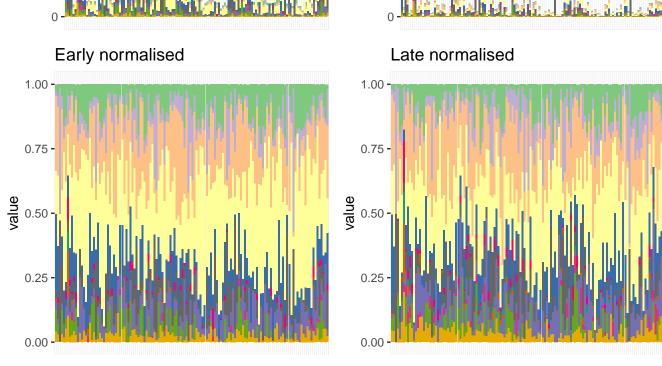
Bone-Osteosarc signatures Early raw Late raw 3000 -9000 -- 2000 value - 0000 1000 -3000 -



Breast-AdenoCA nucleotidesubstitution1 Early raw Late raw 25000 -40000 -20000 -30000 -15000 value <u>an</u> 20000 -10000 10000 -5000 -Early normalised Late normalised 1.00 1.00 0.75 -0.75 - 0.50 value - 0.50 -0.25 -0.25

0.00

Breast-AdenoCA signatures Early raw Late raw 25000 -40000 -20000 -30000 -15000 value <u>value</u> 20000 -10000 -10000 5000 Early normalised Late normalised 1.00 1.00

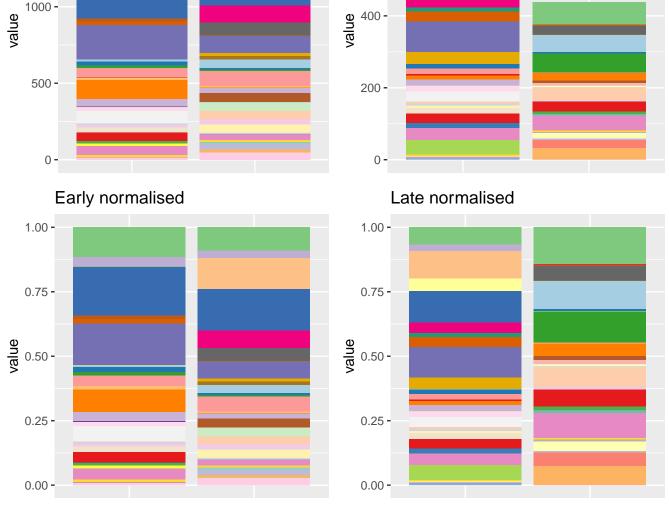


Breast-DCIS nucleotidesubstitution1 Early raw Late raw 1500 **-**600 -1000 value value 500 -200 -0 -0 -Early normalised Late normalised 1.00 -1.00 -0.75 -0.75 value - 05.0 -- 0.50 **-**0.25 -0.25 -

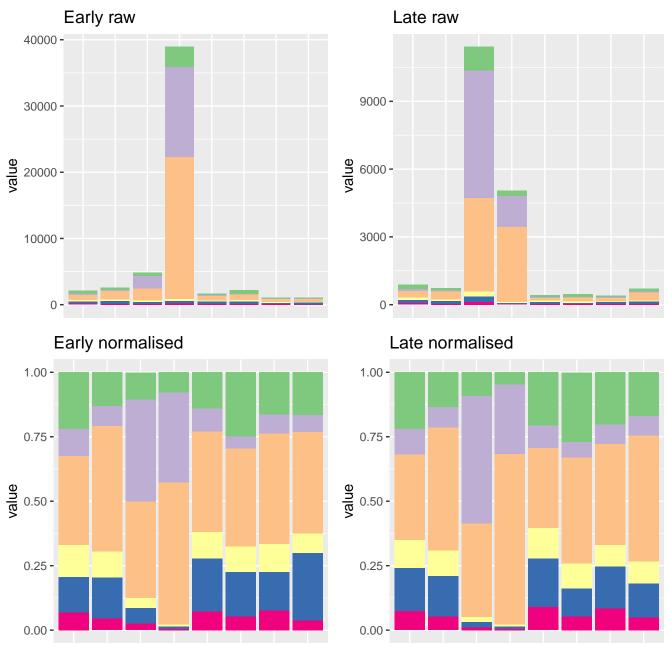
0.00 -

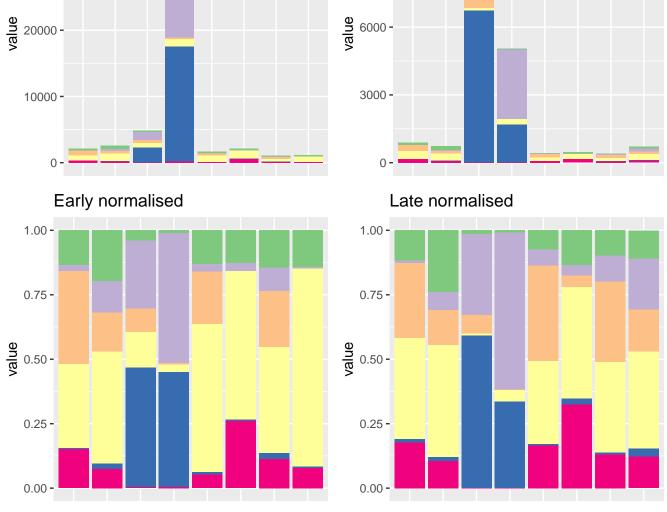
0.00 -

Breast-DCIS signatures Early raw Late raw 1500 -600 -1000 value value 500 -200 -0 -0 -Late normalised Early normalised 1.00 -1.00 -



Breast-LobularCA nucleotidesubstitution1





Cervix-AdenoCA nucleotidesubstitution1 Early raw Late raw 4000 -750 **-**3000 value value alue 2000 -250 -1000 -0 -0 -Early normalised Late normalised 1.00 -1.00 -0.75 -0.75 -- 0.50 **-**- 0.50 **-**0.25 -0.25 -0.00 -0.00 -

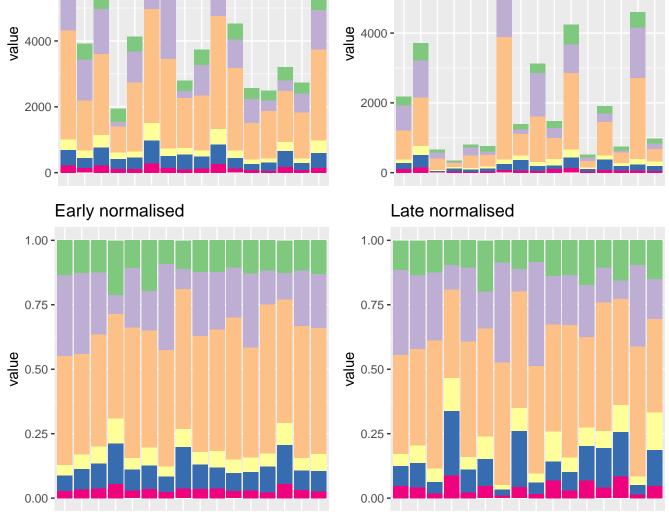
Cervix-AdenoCA signatures Early raw Late raw 4000 -750 **-**3000 value value alue 2000 -250 -1000 -0 -0 -Early normalised Late normalised 1.00 -1.00 -0.75 -0.75 value - 05.0 -- 0.50 **-**0.25 -0.25 -

0.00 -

0.00 -

Early raw
Late raw

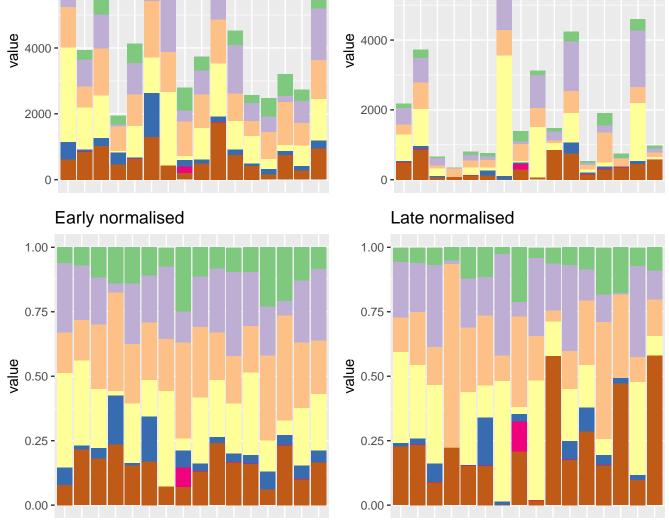
8000
6000
9 4000
2000 -



Early raw

Late raw

6000
9 4000
1 4000
1 4000
1 4000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1 5000
1



CNS-GBM nucleotidesubstitution1 Early raw Late raw 150000 -7500 **-**100000 value value - 0000 -50000 -2500 -Early normalised Late normalised 1.00 -1.00 0.75 -0.75 **-**- 0.50 **-**- 0.5.0 **-**

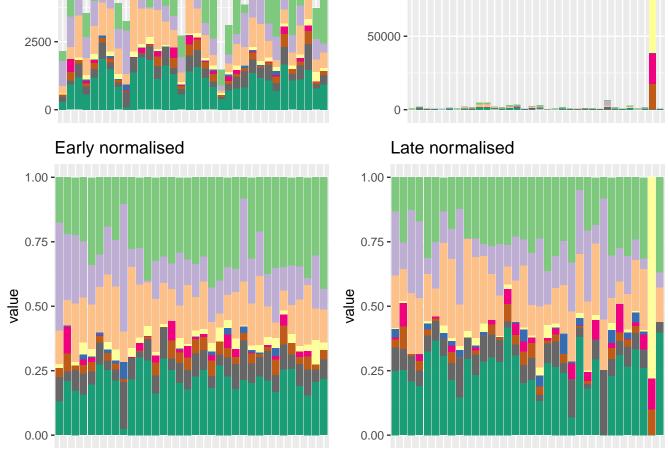
0.25 -

0.00

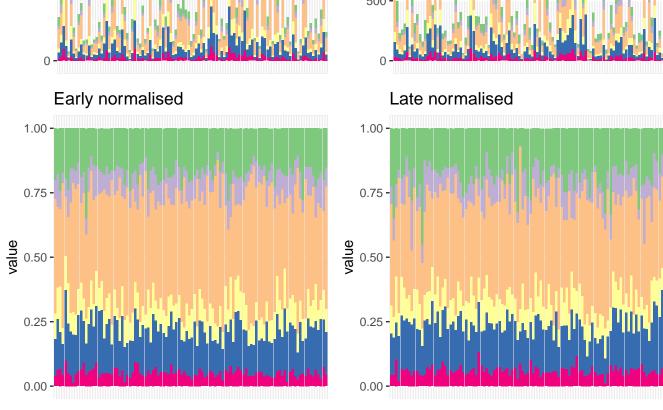
0.25 -

Early raw
Late raw

150000
9 5000
2500
50000 -



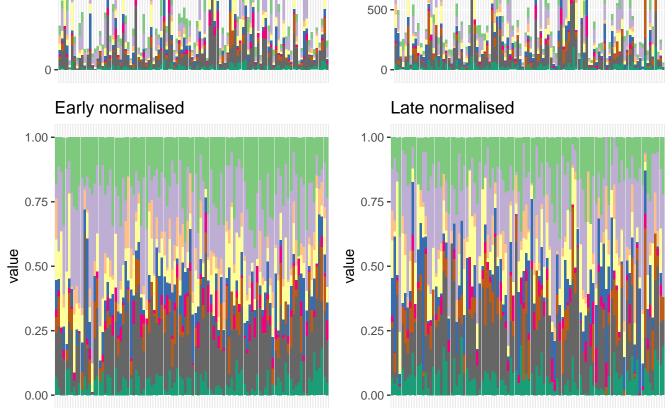
CNS-Medullo nucleotidesubstitution1 Early raw Late raw 2000 -3000 -1500 -2000 value - 0000 -1000 -500 -Early normalised Late normalised 1.00 1.00 0.75 0.75 -



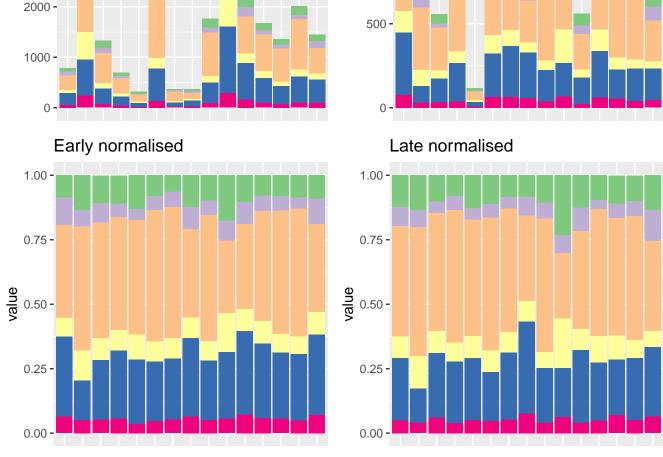
Early raw

Late raw

2000
1500
1000 -



CNS-Oligo nucleotidesubstitution1 Early raw Late raw 5000 -1500 -4000 -1000 -3000 value 2000 -500 -1000 -Early normalised Late normalised 1.00 -1.00 -0.75 -0.75 -- 0.50 **-**



Early raw

Late raw

5000

4000

2000

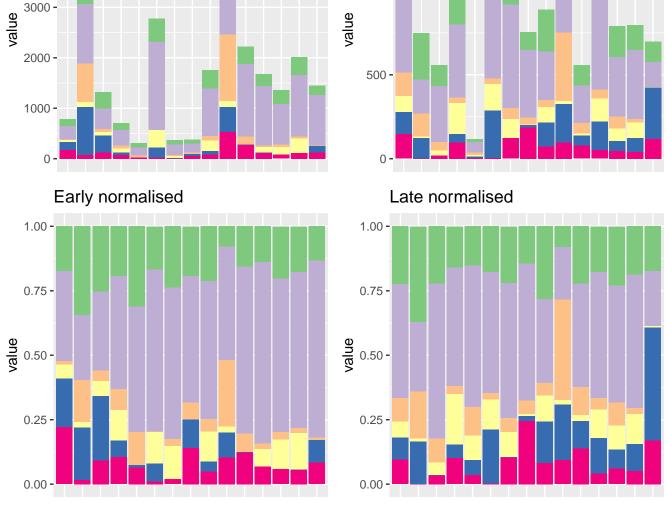
1000

500

500

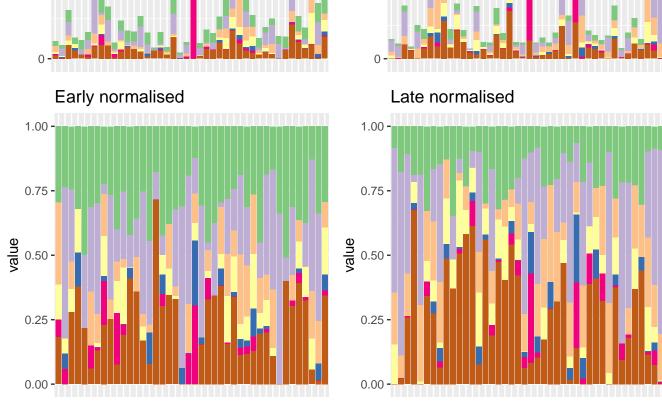
500

500

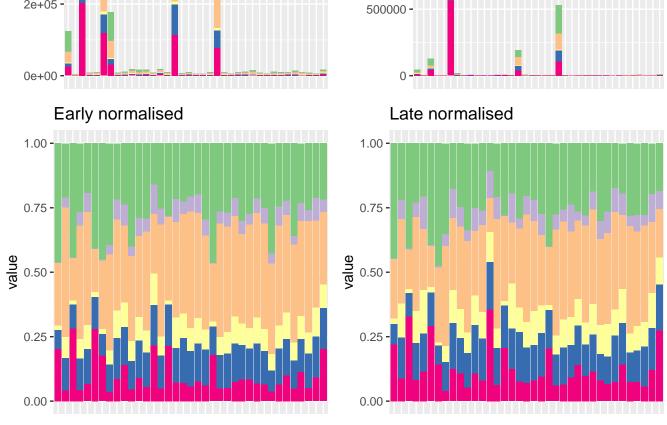


CNS-PiloAstro nucleotidesubstitution1 Early raw Late raw 800 -600 -600 -400 -- 004 **alue** 200 -200 -Early normalised Late normalised 1.00 1.00 0.75 -0.75 -- 0.50 value - 05.0 -0.25 **-**0.25 0.00

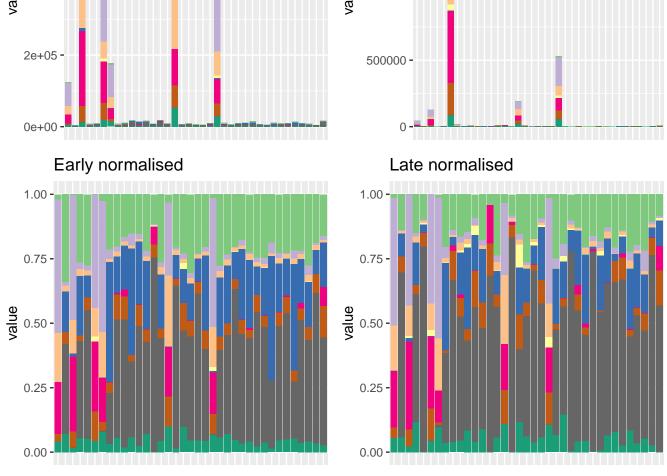
CNS-PiloAstro signatures Early raw Late raw 800 -600 -600 **-**400 value value - 004 200 -200 -Late normalised Early normalised 1.00 -1.00 0.75 -0.75 -



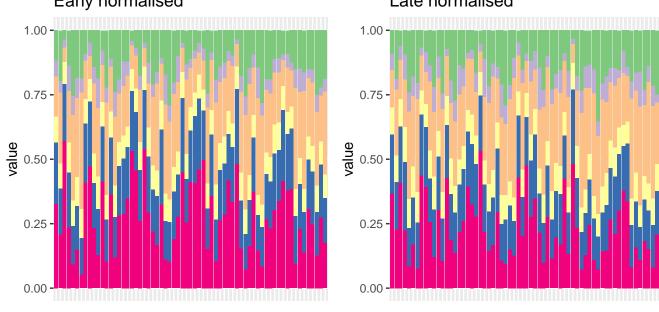
ColoRect-AdenoCA nucleotidesubstitution1 Early raw Late raw 2000000 -6e+05 -1500000 -4e+05 -- 0000000 -2e+05 -500000 -



ColoRect-AdenoCA signatures Early raw Late raw 2000000 -6e+05 -1500000 -4e+05 -- 0000000 -2e+05 -500000 -Early normalised Late normalised



Eso-AdenoCA nucleotidesubstitution1 Early raw Late raw 60000 -30000 -40000 -<u>a</u> 200000 value 20000 -10000 Early normalised Late normalised 1.00 1.00 0.75 **-**0.75 -

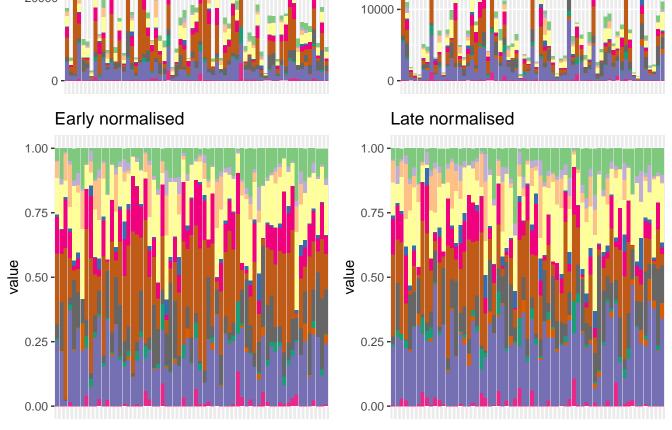


Eso-AdenoCA signatures

Early raw

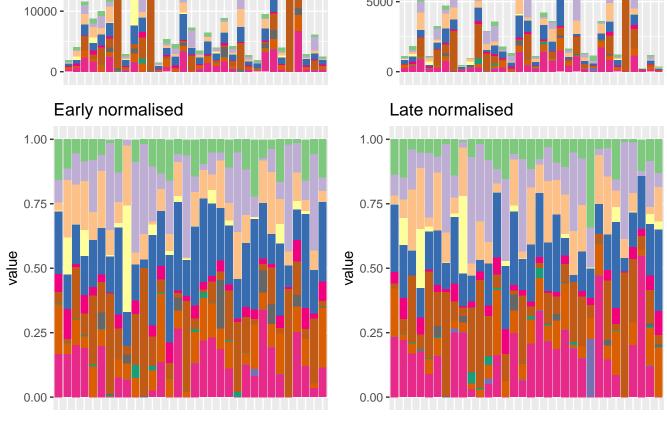
Late raw

40000
9 20000 -



Head-SCC nucleotidesubstitution1 Early raw Late raw 40000 -15000 -30000 value 20000 -- 00000 -5000 -10000 -Early normalised Late normalised 1.00 -1.00 -0.75 -0.75 -- 0.50 value - 05.0 -0.25 -0.25 -

Head-SCC signatures

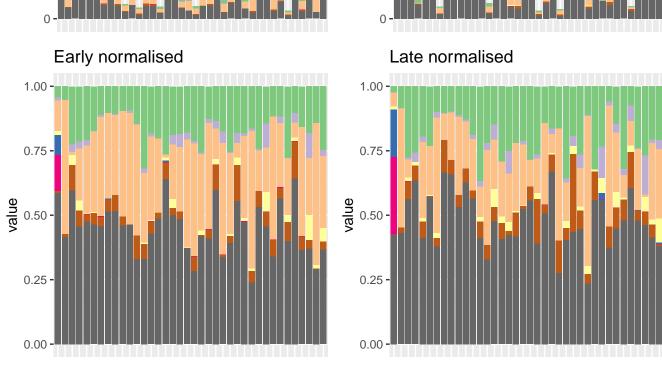


Kidney-ChRCC nucleotidesubstitution1 Early raw Late raw 6000 -4000 -3000 -4000 **value** 2000 value 2000 -1000 -Early normalised Late normalised 1.00 -1.00 0.75 -0.75 value - 0.50 **-**0.25 -

0.00

0.25 **-**

Kidney-ChRCC signatures Early raw Late raw 6000 -4000 -3000 4000 value **value** 2000 -2000 -1000 -Late normalised Early normalised 1.00 1.00 0.75 -0.75 -



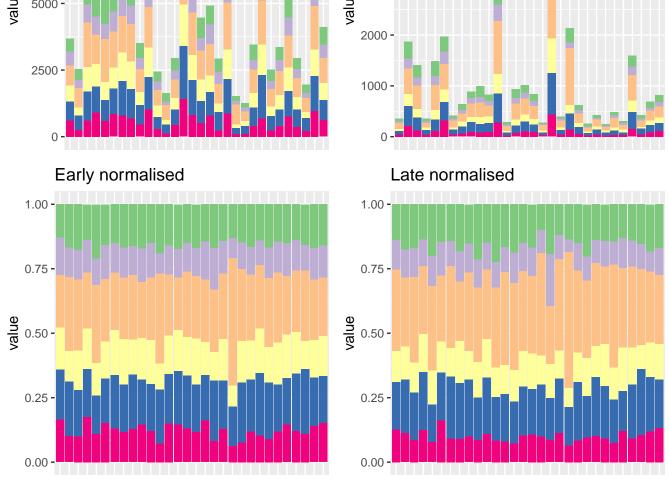
Kidney-RCC.clearcell nucleotidesubstitution1 Early raw Late raw 20000 -10000 -15000 value value 10000 -5000 -5000 -Early normalised Late normalised 1.00 1.00 0.75 -0.75 -- 0.50 value - 05.0 -0.25 -

Kidney-RCC.clearcell signatures Early raw Late raw 20000 -10000 -15000 value value 10000 -5000 -5000 -Early normalised Late normalised 1.00 1.00 0.75 0.75 0.50 **al** value - 0.50 -0.25 -0.25

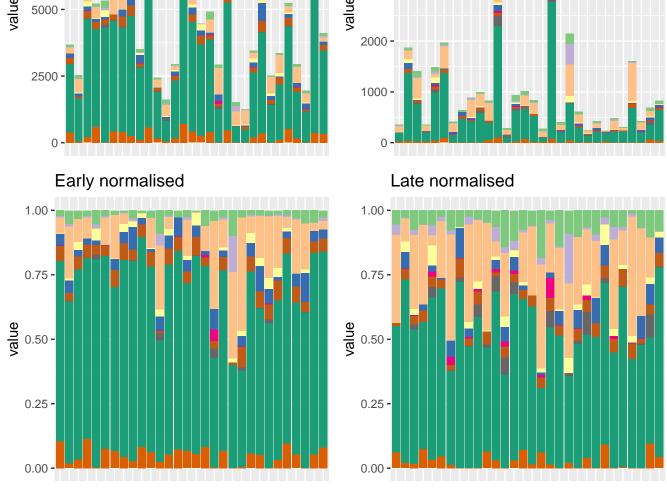
Early raw

10000 - 5000 - 4000 - 2500 - 2500 - 1000

Kidney-RCC.papillary nucleotidesubstitution1



Kidney-RCC.papillary signatures Early raw Late raw 10000 -5000 -4000 -7500 -3000 value 5000 -2000 -2500 **-**1000 -Early normalised Late normalised 1.00 1.00



Early raw Late raw 20000 -50000 -40000 -15000 **-**30000 -- 00001 <u>al</u> 20000 -5000 -10000 Late normalised Early normalised 1.00 -1.00 value 0.5.0 0.25 0.00 0.00

Liver-HCC nucleotidesubstitution1

Liver-HCC signatures Early raw Late raw 20000 -50000 -40000 -15000 -30000 -- 00001 <u>al</u> 20000 -5000 -10000 Early normalised Late normalised 1.00 1.00 0.75 0.75 **value** 0.50 value 0.50 0.25 -0.25

Lung-AdenoCA nucleotidesubstitution1 Early raw Late raw 40000 -20000 -30000 -15000 value - 00000 value 10000 -10000 -5000 -Late normalised Early normalised 1.00 -1.00 -0.75 -0.75 -<u>value</u> 0.50 -- 0.50 **-**0.25 -0.25 -

0.00 -

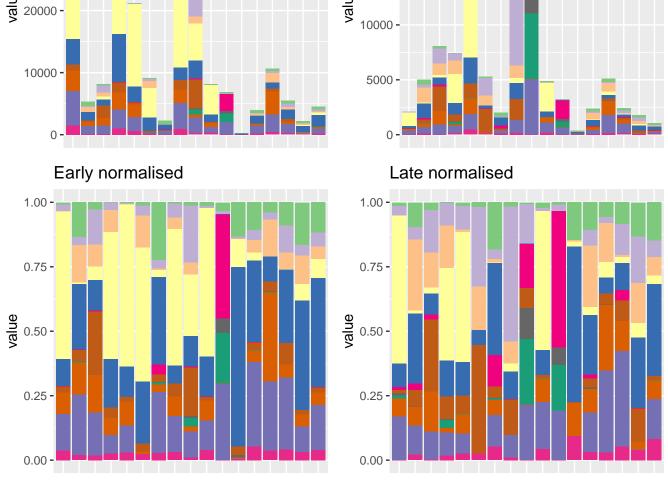
Early raw

Late raw

20000

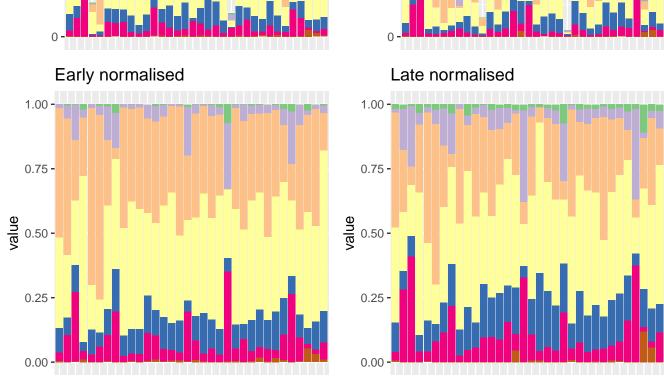
15000

10000



Lung-SCC nucleotidesubstitution1 Early raw Late raw 20000 -50000 -40000 -15000 -30000 -- 00000 -20000 -5000 -10000 -Late normalised Early normalised 1.00 -1.00 -0.75 -0.75 -- 0.50 value value - 05.0 -0.25 **-**0.25 **-**0.00

Lung-SCC signatures Early raw Late raw 20000 -50000 -40000 -15000 -30000 -- 00000 -20000 -5000 -10000 -Late normalised Early normalised 1.00 1.00

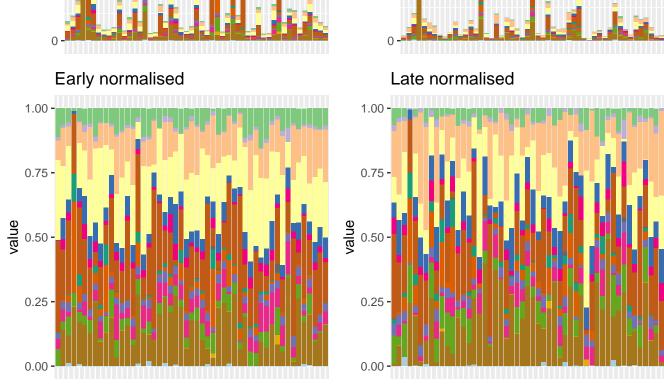


Lymph-BNHL nucleotidesubstitution1 Early raw Late raw 20000 -40000 -15000 -30000 value <u>value</u> 100001 20000 -5000 -10000 -Late normalised Early normalised 1.00 -1.00 0.75 -0.75 value 0.50 value 0.50 -0.25 -0.25 -

Early raw

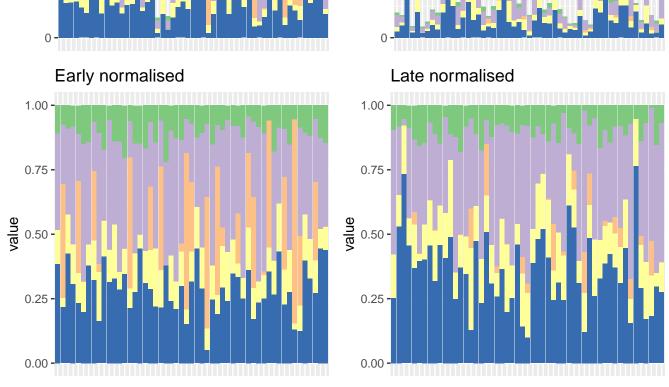
Late raw

20000
15000
10000
10000
5000 -

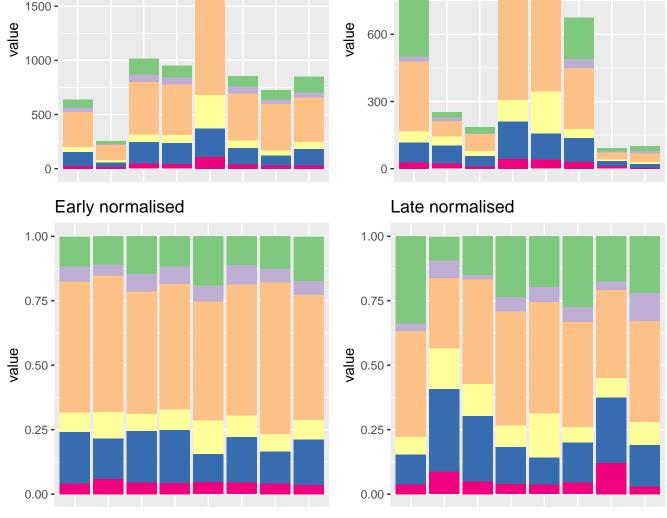


Lymph-CLL nucleotidesubstitution1 Early raw Late raw 4000 -3000 -3000 -2000 value **alue** 2000 -1000 -1000 -Early normalised Late normalised 1.00 1.00 0.75 -0.75 -- 0.50 value - 0.50 -0.25 -

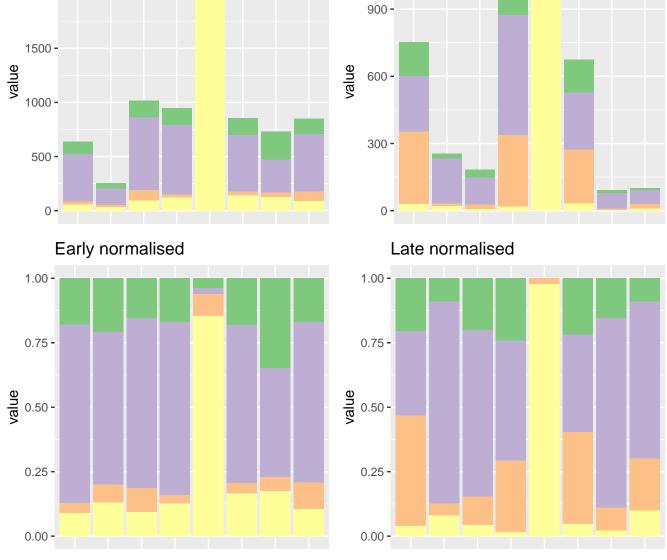
Lymph-CLL signatures Early raw Late raw 4000 -3000 -3000 -2000 value <u>al</u> 2000 -1000 -1000 -



Myeloid-AML nucleotidesubstitution1 Early raw Late raw 1200 -2000 -900 -1500 value 600 -1000 -300 -500 **-**Late normalised Early normalised 1.00 -1.00 -

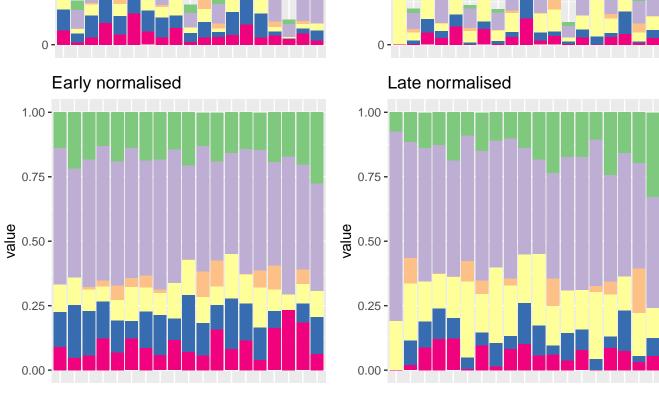


Myeloid-AML signatures Early raw Late raw 2500 **-**1200 -2000 -900 -1500 value 600 -1000 -300 -500 -0 -0 -Early normalised Late normalised 1.00 -1.00 -



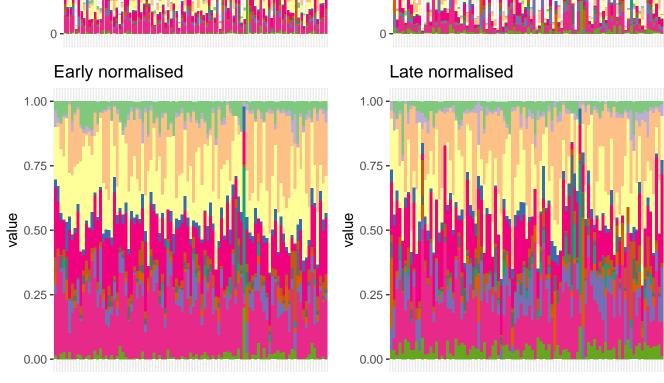
Myeloid-MPN nucleotidesubstitution1 Early raw Late raw 1500 **-**1000 -1000 value value 500 -500 -Early normalised Late normalised 1.00 -1.00 -0.75 -0.75 -- 0.50 **-**- 0.5.0 **alue** 0.25 -0.25 -

Myeloid-MPN signatures Early raw Late raw 1500 **-**1000 -1000 value value 500 -500 -Early normalised Late normalised 1.00 -1.00 -0.75 -0.75 -- 0.50 **value** 0.50 -



Ovary-AdenoCA nucleotidesubstitution1 Early raw Late raw 30000 -9000 -20000 value value 10000 -3000 -Late normalised Early normalised 1.00 1.00 0.75 -0.75 - 0.50 value - 0.50 -

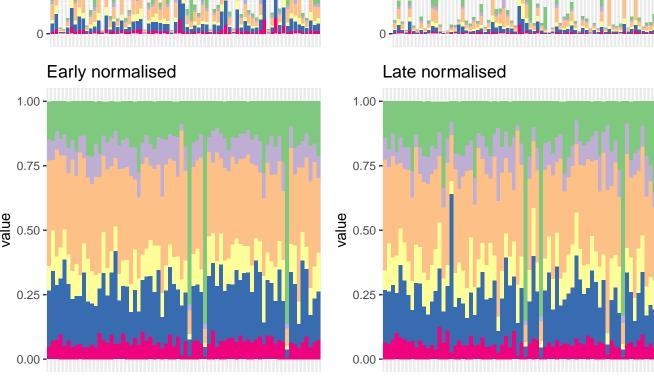
Ovary-AdenoCA signatures Early raw Late raw 30000 -9000 -20000 value value value 10000 -3000 Early normalised Late normalised



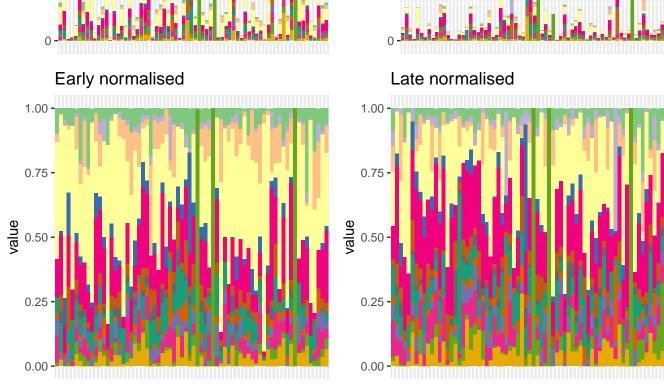
Panc-AdenoCA nucleotidesubstitution1 Early raw Late raw 30000 -20000 -20000 -10000 -10000 -Late normalised Early normalised 1.00 -1.00 0.75 0.75 -- 0.50 **alue** 0.50 0.25 0.00 0.00

Panc-AdenoCA signatures Early raw Late raw 30000 -20000 -20000 -10000 -10000 Early normalised Late normalised 1.00 -1.00 0.75 -0.75 value 0.50 **value** 0.50 0.25 0.25

Panc-Endocrine nucleotidesubstitution1 Early raw Late raw 8000 -15000 -6000 -10000 -4000 -5000 -2000 -Early normalised Late normalised 1.00 1.00 0.75 -0.75 -- 0.50 **-**- 0.50 **al**



Panc-Endocrine signatures Early raw Late raw 8000 -15000 -6000 -10000 value 9 <u>alu</u> 4000 -5000 **-**2000 -Late normalised Early normalised 1.00 1.00



Early raw Late raw 6000 -10000 value - 0000 -5000 -2000 Late normalised Early normalised 1.00 -1.00 value 0.50 value 0.50 -0.00 0.00

Prost-AdenoCA nucleotidesubstitution1

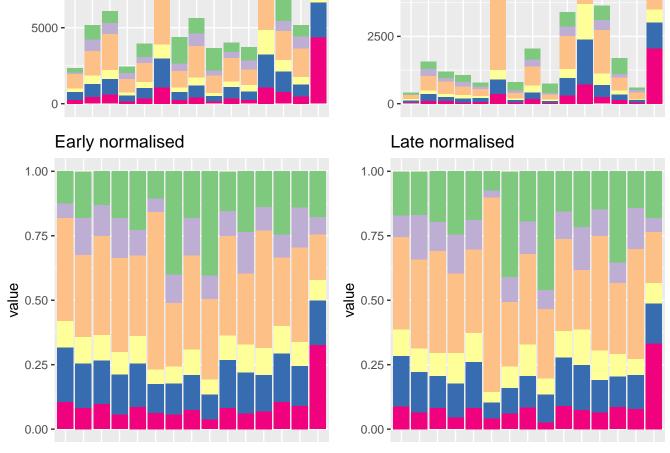
Prost-AdenoCA signatures Early raw Late raw 6000 -10000 value value 5000 -2000 Early normalised Late normalised 1.00 -1.00 0.75 0.75 -0.50 0.50 **alue** 0.25 0.25 -

Skin-Melanoma.acral nucleotidesubstitution1

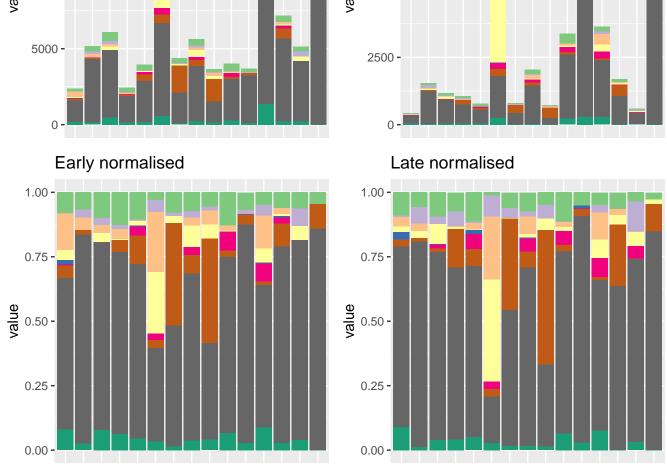
Early raw

Late raw

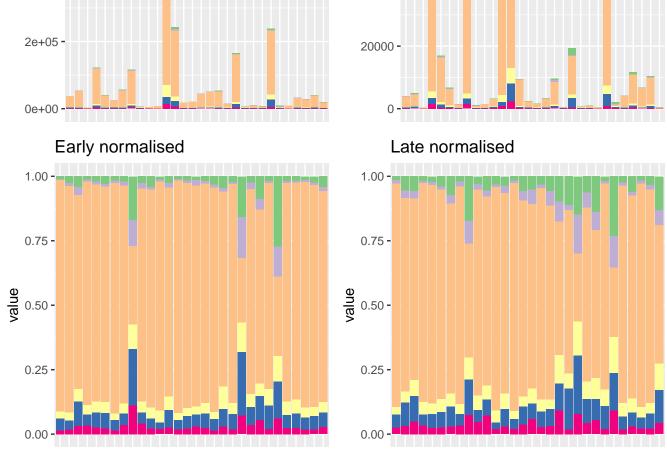
15000 - 7500



Skin-Melanoma.acral signatures Early raw Late raw 10000 -15000 -7500 -10000 value 5000 **-**5000 -2500 -Early normalised Late normalised 1.00 -1.00 -



Skin-Melanoma.cutaneous nucleotidesubstitution1 Early raw Late raw 8e+05 -80000 -6e+05 -60000 -<u>an</u> 40000 -- 20+95 **-**2e+05 -20000 -0e+00 Late normalised Early normalised 1.00 -1.00



Skin-Melanoma.cutaneous signatures Early raw Late raw 8e+05 **-**80000 -6e+05 -60000 -<u>an e</u> - 00000 -- 20+95 **-**2e+05 -20000 -0e+00 Early normalised Late normalised 1.00 -1.00 0.75 -0.75 value - 05.0 value - 0.50 -0.25 -0.25 -