iClust 1: N = 140 iClust 2: N = 72 c-JUN|ILMN\_1806023 (non-ER binding) c-JUN|ILMN\_1806023 (non-ER binding) [<=60] p = 0.613 No detectable trend: [<=60] p = 0.053456No detectable trend: 16 16 [>60] p = 0.87507[>60] p = 0.59618|FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.22904[AII] p = 0.91944 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 9 9 20 40 60 80 100 20 40 60 80 100 Age at diagnosis Age at diagnosis iClust 3: N = 294 iClust 4: N = 344 c-JUN|ILMN\_1806023 (non-ER binding) c-JUN|ILMN\_1806023 (non-ER binding) [<=60] p = 0.82595No detectable trend: [<=60] p = 0.68763No detectable trend: 16 16 [>60] p = 0.27802|FC|<4 or adjPval>0.01 [>60] p = 0.059101 |FC|<4 or adjPval>0.01 [AII] p = 0.72306[AII] p = 0.00368244 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω  $\infty$ 9 9 20 40 60 80 100 20 40 60 80 100

Age at diagnosis

Age at diagnosis

iClust 5: N = 191 iClust 6: N = 86 c-JUN|ILMN\_1806023 (non-ER binding) c-JUN|ILMN\_1806023 (non-ER binding) [<=60] p = 0.69366No detectable trend: [<=60] p = 0.42792No detectable trend: 16 16 [>60] p = 0.55734[>60] p = 0.27991 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.80429[AII] p = 0.28634 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω  $\infty$ 9 9 20 40 60 80 100 20 40 60 80 100 Age at diagnosis Age at diagnosis iClust 7: N = 193 iClust 8: N = 300 c-JUN|ILMN\_1806023 (non-ER binding) c-JUN|ILMN\_1806023 (non-ER binding) [<=60] p = 0.0015731 No detectable trend: [<=60] p = 0.71029No detectable trend: 16 16 [>60] p = 0.17575 |FC|<4 or adjPval>0.01 [>60] p = 0.38727 |FC|<4 or adjPval>0.01 [AII] p = 0.013725[AII] p = 0.0697314 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 19 19 ω  $\infty$ 9 9 20 40 60 80 100 20 40 60 80 100 Age at diagnosis Age at diagnosis

iClust 9: N = 146 c-JUN|ILMN\_1806023 (non-ER binding)

iClust 10: N = 226 c-JUN|ILMN\_1806023 (non-ER binding)

