iClust 1: N = 140 iClust 2: N = 72 SGCE|ILMN\_1674620 (non-ER binding) SGCE|ILMN\_1674620 (non-ER binding) [<=60] p = 0.07105 No detectable trend: [<=60] p = 0.74521No detectable trend: 16 16 [>60] p = 0.80824 [>60] p = 0.56635|FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.015978[AII] p = 0.110894 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 3: N = 294 iClust 4: N = 344 SGCE|ILMN\_1674620 (non-ER binding) SGCE|ILMN\_1674620 (non-ER binding) [<=60] p = 0.71014No detectable trend: [<=60] p = 0.525No detectable trend: 16 16 [>60] p = 0.16594|FC|<2 or adjPval>0.01 [>60] p = 0.0001632 |FC|<2 or adjPval>0.01 [AII] p = 1.0327e - 08[AII] p = 4.5424e - 074 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 SGCE|ILMN\_1674620 (non-ER binding) SGCE|ILMN\_1674620 (non-ER binding) [<=60] p = 0.16761 No detectable trend: [<=60] p = 0.66646No detectable trend: 16 16 [>60] p = 0.14342 [>60] p = 0.50256 |FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.38541[AII] p = 0.0936544 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 19 10  $\infty$  $\infty$ 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 SGCE|ILMN\_1674620 (non-ER binding) SGCE|ILMN\_1674620 (non-ER binding) [<=60] p = 0.0042552 No detectable trend: [<=60] p = 0.28176No detectable trend: 16 16 [>60] p = 0.7366|FC|<2 or adjPval>0.01 [>60] p = 0.18883 |FC|<2 or adjPval>0.01 [AII] p = 0.069743[AII] p = 0.00017725 4 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10  $\infty$  $\infty$ 9 9 20 40 60 80 100 20 40 60 80 100 Age at diagnosis Age at diagnosis

iClust 9: N = 146 SGCE|ILMN\_1674620 (non-ER binding)

iClust 10: N = 226 SGCE|ILMN\_1674620 (non-ER binding)

