iClust 1: N = 140 iClust 2: N = 72 BC022023|ILMN\_1690304 (non-ER binding) BC022023|ILMN\_1690304 (non-ER binding) [<=60] p = 0.11251 No detectable trend: [<=60] p = 0.80912No detectable trend: 16 16 [>60] p = 0.016228 |FC|<1.25 or adjPval>0.01 [>60] p = 0.3951|FC|<1.25 or adjPval>0.01 [AII] p = 0.0012965[AII] p = 0.1634 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 4: N = 344 iClust 3: N = 294 BC022023|ILMN\_1690304 (non-ER binding) BC022023|ILMN\_1690304 (non-ER binding) [<=60] p = 0.67078[<=60] p = 0.2186No detectable trend: No detectable trend: 16 16 [>60] p = 0.75824|FC|<1.25 or adjPval>0.01 [>60] p = 0.012836 |FC|<1.25 or adjPval>0.01 [AII] p = 0.65835[AII] p = 0.0272554 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 BC022023|ILMN\_1690304 (non-ER binding) BC022023|ILMN\_1690304 (non-ER binding) [<=60] p = 0.20623No detectable trend: [<=60] p = 0.72742No detectable trend: 16 16 [>60] p = 0.31554 [>60] p = 0.5861 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.22311[AII] p = 0.782194 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 8: N = 300 iClust 7: N = 193 BC022023|ILMN\_1690304 (non-ER binding) BC022023|ILMN\_1690304 (non-ER binding) [<=60] p = 0.026003[<=60] p = 0.10813No detectable trend: No detectable trend: 16 16 [>60] p = 0.97758|FC|<1.25 or adjPval>0.01 [>60] p = 0.91465|FC|<1.25 or adjPval>0.01 [AII] p = 0.1886[AII] p = 2.8145e - 064 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 BC022023|ILMN\_1690304 (non-ER binding)

iClust 10: N = 226 BC022023|ILMN\_1690304 (non-ER binding)

