iClust 1: N = 140 iClust 2: N = 72 CBX2|ILMN\_1770678 (non-ER binding) CBX2|ILMN\_1770678 (non-ER binding) [<=60] p = 0.60034No detectable trend: [<=60] p = 0.35037No detectable trend: 16 16 [>60] p = 0.96511 [>60] p = 0.060918|FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.20493[AII] p = 0.0366654 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 3: N = 294 iClust 4: N = 344 CBX2|ILMN\_1770678 (non-ER binding) CBX2|ILMN\_1770678 (non-ER binding) [<=60] p = 0.39092No detectable trend: [<=60] p = 0.19877No detectable trend: 16 16 [>60] p = 0.86578|FC|<4 or adjPval>0.01 [>60] p = 0.1468|FC|<4 or adjPval>0.01 [AII] p = 0.4128[AII] p = 0.446354 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 CBX2|ILMN\_1770678 (non-ER binding) CBX2|ILMN\_1770678 (non-ER binding) [<=60] p = 0.87146No detectable trend: [<=60] p = 0.81822No detectable trend: 16 16 [>60] p = 0.88043[>60] p = 0.65019 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.0379[AII] p = 0.5024 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 CBX2|ILMN\_1770678 (non-ER binding) CBX2|ILMN\_1770678 (non-ER binding) [<=60] p = 0.42609No detectable trend: [<=60] p = 0.87126No detectable trend: 16 16 [>60] p = 0.94334|FC|<4 or adjPval>0.01 [>60] p = 0.34203|FC|<4 or adjPval>0.01 [AII] p = 0.094107[AII] p = 0.458124 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 9: N = 146 CBX2|ILMN\_1770678 (non-ER binding)

iClust 10: N = 226 CBX2|ILMN\_1770678 (non-ER binding)

