iClust 1: N = 140 iClust 2: N = 72 BEX1|ILMN\_2234697 (non-ER binding) BEX1|ILMN\_2234697 (non-ER binding) [<=60] p = 0.37376No detectable trend: [<=60] p = 0.8816No detectable trend: 16 16 [>60] p = 0.15311 [>60] p = 0.79204|FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.2571[AII] p = 0.708534 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 BEX1|ILMN\_2234697 (non-ER binding) BEX1|ILMN\_2234697 (non-ER binding) [<=60] p = 0.036647No detectable trend: [<=60] p = 0.64906No detectable trend: 16 16 [>60] p = 0.18886|FC|<2 or adjPval>0.01 [>60] p = 0.80431|FC|<2 or adjPval>0.01 [AII] p = 0.010031[AII] p = 0.91694 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω  $\infty$ 9 9

20

40

60

Age at diagnosis

80

100

20

40

60

Age at diagnosis

80

100

iClust 5: N = 191 iClust 6: N = 86 BEX1|ILMN\_2234697 (non-ER binding) BEX1|ILMN\_2234697 (non-ER binding) [<=60] p = 0.51449No detectable trend: [<=60] p = 0.42804No detectable trend: 16 16 [>60] p = 0.0018196 [>60] p = 0.21409 |FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.68916[AII] p = 0.920524 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 7: N = 193 iClust 8: N = 300 BEX1|ILMN\_2234697 (non-ER binding) BEX1|ILMN\_2234697 (non-ER binding) [<=60] p = 0.046202No detectable trend: [<=60] p = 0.577No detectable trend: 16 16 [>60] p = 0.099943|FC|<2 or adjPval>0.01 [>60] p = 0.87627|FC|<2 or adjPval>0.01 [AII] p = 0.054799[AII] p = 9.3508e - 054 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 19 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 BEX1|ILMN\_2234697 (non-ER binding)

iClust 10: N = 226 BEX1|ILMN\_2234697 (non-ER binding)

