iClust 1: N = 140 iClust 2: N = 72 DNMT1|ILMN\_1760201 (non-ER binding) DNMT1|ILMN\_1760201 (non-ER binding) [<=60] p = 0.43981 No detectable trend: [<=60] p = 0.62265No detectable trend: 16 16 [>60] p = 0.24367[>60] p = 0.57345 |FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.88325[AII] p = 0.0855354 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω  $\infty$ 9 9 20 40 60 80 20 40 60 80 100 100 Age at diagnosis Age at diagnosis iClust 3: N = 294 iClust 4: N = 344 DNMT1|ILMN\_1760201 (non-ER binding) DNMT1|ILMN\_1760201 (non-ER binding) [<=60] p = 0.27416[<=60] p = 0.048021No detectable trend: No detectable trend: 16 16 [>60] p = 0.84894|FC|<2 or adjPval>0.01 [>60] p = 0.82931 |FC|<2 or adjPval>0.01 [AII] p = 0.8622[AII] p = 0.297294 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 DNMT1|ILMN\_1760201 (non-ER binding) DNMT1|ILMN\_1760201 (non-ER binding) [<=60] p = 0.021939 No detectable trend: [<=60] p = 0.23551No detectable trend: 16 16 [>60] p = 0.64885[>60] p = 0.70856|FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.25528[AII] p = 0.0689634 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 19 10 ω  $\infty$ 9 9 20 40 60 80 20 40 60 80 100 100 Age at diagnosis Age at diagnosis iClust 7: N = 193 iClust 8: N = 300 DNMT1|ILMN\_1760201 (non-ER binding) DNMT1|ILMN\_1760201 (non-ER binding) [<=60] p = 0.67318No detectable trend: [<=60] p = 0.27102No detectable trend: 16 16 |FC|<2 or adjPval>0.01 [>60] p = 0.6822 [>60] p = 0.11349 |FC|<2 or adjPval>0.01 [AII] p = 0.44413[AII] p = 0.581274 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 DNMT1|ILMN\_1760201 (non-ER binding)

iClust 10: N = 226 DNMT1|ILMN\_1760201 (non-ER binding)

