iClust 1: N = 140 iClust 2: N = 72 ASH2L|ILMN\_1666933 (non-ER binding) ASH2L|ILMN\_1666933 (non-ER binding) [<=60] p = 0.50211 No detectable trend: [<=60] p = 0.6537No detectable trend: 16 16 [>60] p = 0.059773 [>60] p = 0.05128 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.26785[AII] p = 0.364934 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 ASH2L|ILMN\_1666933 (non-ER binding) ASH2L|ILMN\_1666933 (non-ER binding) [<=60] p = 0.063055No detectable trend: [<=60] p = 0.86784No detectable trend: 16 16 [>60] p = 0.60376 |FC|<4 or adjPval>0.01 [>60] p = 0.51469 |FC|<4 or adjPval>0.01 [AII] p = 0.86899[AII] p = 0.795794 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 5: N = 191 iClust 6: N = 86 ASH2L|ILMN\_1666933 (non-ER binding) ASH2L|ILMN\_1666933 (non-ER binding) [<=60] p = 0.58081 No detectable trend: [<=60] p = 0.82791No detectable trend: 16 16 [>60] p = 0.61954 [>60] p = 0.68645|FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.065536[AII] p = 0.707714 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 ASH2L|ILMN\_1666933 (non-ER binding) ASH2L|ILMN\_1666933 (non-ER binding) [<=60] p = 0.13953No detectable trend: [<=60] p = 0.26776No detectable trend: 16 16 [>60] p = 0.40356|FC|<4 or adjPval>0.01 [>60] p = 0.68383|FC|<4 or adjPval>0.01 [AII] p = 0.56481[AII] p = 0.391474 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 ASH2L|ILMN\_1666933 (non-ER binding)

iClust 10: N = 226 ASH2L|ILMN\_1666933 (non-ER binding)

