iClust 1: N = 140 iClust 2: N = 72 ASXL2|ILMN\_1698968 (non-ER binding) ASXL2|ILMN\_1698968 (non-ER binding) [<=60] p = 0.41664No detectable trend: [<=60] p = 0.76836No detectable trend: 16 16 [>60] p = 0.41369[>60] p = 0.33929 |FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.24666[AII] p = 0.39084 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 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 ASXL2|ILMN\_1698968 (non-ER binding) ASXL2|ILMN\_1698968 (non-ER binding) [<=60] p = 0.7944[<=60] p = 0.08549No detectable trend: No detectable trend: 16 16 [>60] p = 0.89892|FC|<2 or adjPval>0.01 [>60] p = 0.64281 |FC|<2 or adjPval>0.01 [AII] p = 0.015878[AII] p = 0.877164 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω 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 ASXL2|ILMN\_1698968 (non-ER binding) ASXL2|ILMN\_1698968 (non-ER binding) [<=60] p = 0.4802No detectable trend: [<=60] p = 0.68887No detectable trend: 16 16 [>60] p = 0.68719 [>60] p = 0.35598|FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.81986[AII] p = 0.871264 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 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 ASXL2|ILMN\_1698968 (non-ER binding) ASXL2|ILMN\_1698968 (non-ER binding) [<=60] p = 0.034752[<=60] p = 0.90965No detectable trend: No detectable trend: 16 16 [>60] p = 0.15853 |FC|<2 or adjPval>0.01 [>60] p = 0.96519 |FC|<2 or adjPval>0.01 [AII] p = 0.062725[AII] p = 0.00745354 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 9 9 20 40 60 80 100 20 40 60 80 100 Age at diagnosis Age at diagnosis

iClust 9: N = 146 ASXL2|ILMN\_1698968 (non-ER binding)

iClust 10: N = 226 ASXL2|ILMN\_1698968 (non-ER binding)

