iClust 1: N = 140 iClust 2: N = 72 IGKC|ILMN\_1652199 (non-ER binding) IGKC|ILMN\_1652199 (non-ER binding) [<=60] p = 0.57532No detectable trend: [<=60] p = 0.55716No detectable trend: 16 16 [>60] p = 0.85259[>60] p = 0.32016 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.12835[AII] p = 0.232534 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 4: N = 344 iClust 3: N = 294 IGKC|ILMN\_1652199 (non-ER binding) IGKC|ILMN\_1652199 (non-ER binding) [<=60] p = 0.29849No detectable trend: [<=60] p = 0.28836No detectable trend: 16 16 [>60] p = 0.19784 [>60] p = 0.27821 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.034091[All] p = 0.125294 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 5: N = 191 iClust 6: N = 86 IGKC|ILMN\_1652199 (non-ER binding) IGKC|ILMN\_1652199 (non-ER binding) [<=60] p = 0.82516No detectable trend: [<=60] p = 0.77087No detectable trend: 16 16 [>60] p = 0.23305[>60] p = 0.20717 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.66768[AII] p = 0.0121444 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 IGKC|ILMN\_1652199 (non-ER binding) IGKC|ILMN\_1652199 (non-ER binding) [<=60] p = 0.50982No detectable trend: [<=60] p = 0.51633No detectable trend: 16 16 [>60] p = 0.56473||FC|<1.25 or adjPval>0.<mark>0</mark>1 [>60] p = 0.12577 |FC|<1.25 or adjPval>0.01 [AII] p = 0.010585[AII] p = 1.4805e - 054 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 IGKC|ILMN\_1652199 (non-ER binding)

iClust 10: N = 226 IGKC|ILMN\_1652199 (non-ER binding)

