iClust 1: N = 140 iClust 2: N = 72 IGKC|ILMN\_1699214 (non-ER binding) IGKC|ILMN\_1699214 (non-ER binding) [<=60] p = 0.42532No detectable trend: [<=60] p = 0.2518 No detectable trend: 16 16 [>60] p = 0.50998 [>60] p = 0.98875||FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.076842[AII] p = 0.0439564 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\_1699214 (non-ER binding) IGKC|ILMN\_1699214 (non-ER binding) [<=60] p = 0.19624No detectable trend: [<=60] p = 0.27816No detectable trend: 16 16 [>60] p = 0.2522 |FC|<1.25 or adjPval>0.01 [>60] p = 0.10717 |FC|<1.25 or adjPval>0.01 [AII] p = 0.037841[AII] p = 0.0113064 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\_1699214 (non-ER binding) IGKC|ILMN\_1699214 (non-ER binding) [<=60] p = 0.60345No detectable trend: [<=60] p = 0.45455No detectable trend: 16 16 [>60] p = 0.24319 [>60] p = 0.23367 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.8416[AII] p = 0.0207814 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 19 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\_1699214 (non-ER binding) IGKC|ILMN\_1699214 (non-ER binding) [<=60] p = 0.32825[<=60] p = 0.6496No detectable trend: No detectable trend: 16 16 [>60] p = 0.52011 |FC|<1.25 or adjPval>0.01 [>60] p = 0.25359 |FC|<1.25 or adjPval>0.01 [AII] p = 0.0092146[AII] p = 6.4363e - 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\_1699214 (non-ER binding)

iClust 10: N = 226 IGKC|ILMN\_1699214 (non-ER binding)

