iClust 1: N = 140 iClust 2: N = 72 KRT14|ILMN_1665035 (non-ER binding) KRT14|ILMN_1665035 (non-ER binding) [<=60] p = 0.07814No detectable trend: [<=60] p = 0.64691No detectable trend: 16 16 [>60] p = 0.37463[>60] p = 0.022223|FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.00080743[AII] p = 0.242274 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 KRT14|ILMN_1665035 (non-ER binding) KRT14|ILMN_1665035 (non-ER binding) [<=60] p = 0.27984[<=60] p = 0.82549No detectable trend: No detectable trend: 16 16 [>60] p = 0.0063622 |FC|<4 or adjPval>0.01 [>60] p = 0.03098|FC|<4 or adjPval>0.01 [AII] p = 3.5046e-05[AII] p = 4.4529e - 074 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 KRT14|ILMN_1665035 (non-ER binding) KRT14|ILMN_1665035 (non-ER binding) [<=60] p = 0.15628No detectable trend: [<=60] p = 0.27222No detectable trend: 16 16 [>60] p = 0.96736[>60] p = 0.21482 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.042965[AII] p = 0.0400784 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω ဖ 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 KRT14|ILMN_1665035 (non-ER binding) KRT14|ILMN_1665035 (non-ER binding) [<=60] p = 0.043366No detectable trend: [<=60] p = 0.042438No detectable trend: 16 16 [>60] p = 0.018527 |FC|<4 or adjPval>0.01 [>60] p = 4.4515e-07 |FC|<4 or adjPval>0.01 [All] p = 8.9117e-05[AII] p = 5.347e - 154 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 KRT14|ILMN_1665035 (non-ER binding)

iClust 10: N = 226 KRT14|ILMN_1665035 (non-ER binding)

100

80

