ATM|ILMN_1713630 ATM|ILMN_1713630 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.98986[<=60] p = 0.71266No detectable trend: No detectable trend: 16 16 [>60] p = 0.89868|FC|<2 or adjPval>0.01 [>60] p = 0.93387 |FC|<2 or adjPval>0.01 [AII] p = 0.78814[AII] p = 0.148574 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 = 294iClust 4: N = 344ATM|ILMN_1713630 ATM|ILMN_1713630 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.76093No detectable trend: [<=60] p = 0.61371No detectable trend: 16 16 [>60] p = 0.038571 [>60] p = 0.15005 |FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [All] p = 0.52268[AII] p = 0.241284 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10

ω

9

20

40

60

Age at diagnosis

80

100

iClust 1: N = 140

ω

9

20

40

60

Age at diagnosis

80

100

iClust 2: N = 72

iClust 5: N = 191 iClust 6: N = 86ATM|ILMN_1713630 ATM|ILMN_1713630 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.50443[<=60] p = 0.88535No detectable trend: No detectable trend: 16 16 [>60] p = 0.63307[>60] p = 0.071173 |FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.76252[AII] p = 0.744894 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 = 193iClust 8: N = 300ATM|ILMN_1713630 ATM|ILMN_1713630 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.93065No detectable trend: [<=60] p = 0.63385No detectable trend: 16 16 [>60] p = 0.42519 |FC|<2 or adjPval>0.01 [>60] p = 0.27588 |FC|<2 or adjPval>0.01 [AII] p = 0.89323[AII] p = 0.287964 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 9 9

20

40

60

Age at diagnosis

80

100

20

40

60

Age at diagnosis

80

100

iClust 9: N = 146 ATM|ILMN_1713630

NKI Tier 1: non-ER binding; Tier 2: ER binding

[<=60] p = 0.63199No detectable trend: 16 [>60] p = 0.58433|FC|<2 or adjPval>0.01 [AII] p = 0.918014 Raw Expression (4, 16) 12 10 ∞

> 60 Age at diagnosis

80

100

40

9

4

20

iClust 10: N = 226 ATM|ILMN_1713630

NKI Tier 1: non-ER binding; Tier 2: ER binding

