iClust 2: N = 72 iClust 1: N = 140DVL|ILMN_1655632 DVL|ILMN_1655632 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.96881 No detectable trend: [<=60] p = 0.36026No detectable trend: 16 16 [>60] p = 0.6793|FC|<1.25 or adjPval>0.01 [>60] p = 0.66705 |FC|<1.25 or adjPval>0.01 [AII] p = 0.75833[AII] p = 0.647844 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 = 344DVL|ILMN_1655632 DVL|ILMN_1655632 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.3116No detectable trend: [<=60] p = 0.25332No detectable trend: 16 16 [>60] p = 0.16729 [>60] p = 0.039081 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.0022489[AII] p = 0.0232124 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10

ω

9

20

40

60

Age at diagnosis

80

100

ω

9

20

40

60

Age at diagnosis

80

100

iClust 5: N = 191 iClust 6: N = 86DVL|ILMN_1655632 DVL|ILMN_1655632 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.25085No detectable trend: [<=60] p = 0.37195No detectable trend: 16 16 [>60] p = 0.8574[>60] p = 0.11983 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.2076[AII] p = 0.741284 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 = 300DVL|ILMN_1655632 DVL|ILMN_1655632 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.4866No detectable trend: [<=60] p = 0.5937No detectable trend: 16 16 [>60] p = 0.80792 |FC|<1.25 or adjPval>0.01 [>60] p = 0.88452 |FC|<1.25 or adjPval>0.01 [AII] p = 0.90007[AII] p = 0.892354 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 DVL|ILMN_1655632

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

[<=60] p = 0.80967 | No detectable trend:
[>60] p = 0.28807 | |FC|<1.25 or adjPval>0.01

[All] p = 0.68952

100

4

12

10

 ∞

9

4

20

40

60

Age at diagnosis

80

Raw Expression (4, 16)

iClust 10: N = 226 DVL|ILMN_1655632

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

