iClust 1: N = 140 iClust 2: N = 72 CREB1|ILMN_2334243 (non-ER binding) CREB1|ILMN_2334243 (non-ER binding) [<=60] p = 0.066813No detectable trend: [<=60] p = 0.4636No detectable trend: 16 16 [>60] p = 0.49997[>60] p = 0.23803 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.019659[AII] p = 0.462754 4 Raw Expression (4, 16) 12 12 10 10 ω ω 9 9 20 40 60 80 20 40 60 80 100 100 Age at diagnosis Age at diagnosis iClust 3: N = 294 iClust 4: N = 344 CREB1|ILMN_2334243 (non-ER binding) CREB1|ILMN_2334243 (non-ER binding) [<=60] p = 0.52776No detectable trend: [<=60] p = 0.55579No detectable trend: 16 16 [>60] p = 0.46376[>60] p = 0.11831 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.42784[AII] p = 0.645464 4 Raw Expression (4, 16) 12 12 10 10

ω

9

20

40

60

Age at diagnosis

80

100

Raw Expression (4, 16)

Raw Expression (4, 16)

9

20

40

60

Age at diagnosis

80

100

iClust 5: N = 191 iClust 6: N = 86 CREB1|ILMN_2334243 (non-ER binding) CREB1|ILMN_2334243 (non-ER binding) [<=60] p = 0.095375No detectable trend: [<=60] p = 0.26431No detectable trend: 16 16 [>60] p = 0.67696[>60] p = 0.91363 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.30385[AII] p = 0.0438184 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 9 9 20 40 60 80 20 40 60 80 100 100 Age at diagnosis Age at diagnosis iClust 7: N = 193 iClust 8: N = 300 CREB1|ILMN_2334243 (non-ER binding) CREB1|ILMN_2334243 (non-ER binding) [<=60] p = 0.53934[<=60] p = 0.2962No detectable trend: No detectable trend: 16 16 [>60] p = 0.77188 [>60] p = 0.58061 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.066455[AII] p = 0.795584 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω 9 9 20 40 60 80 100 20 40 60 80 100 Age at diagnosis Age at diagnosis

iClust 9: N = 146 CREB1|ILMN_2334243 (non-ER binding)

iClust 10: N = 226 CREB1|ILMN_2334243 (non-ER binding)

