iClust 1: N = 140 iClust 2: N = 72 DQ895626|ILMN_1676822 (non-ER binding) DQ895626|ILMN_1676822 (non-ER binding) [<=60] p = 0.021454No detectable trend: [<=60] p = 0.61896No detectable trend: 16 16 [>60] p = 0.79199 [>60] p = 0.29012 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 4.0848e - 06[All] p = 0.57264 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 DQ895626|ILMN_1676822 (non-ER binding) DQ895626|ILMN_1676822 (non-ER binding) [<=60] p = 0.32731[<=60] p = 0.98908No detectable trend: No detectable trend: 16 16 [>60] p = 0.07545|FC|<1.25 or adjPval>0.01 [>60] p = 0.038142 |FC|<1.25 or adjPval>0.01 [AII] p = 1.7681e - 07[AII] p = 7.5217e - 064 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 5: N = 191 iClust 6: N = 86 DQ895626|ILMN_1676822 (non-ER binding) DQ895626|ILMN_1676822 (non-ER binding) [<=60] p = 0.10847 No detectable trend: [<=60] p = 0.69701No detectable trend: 16 16 [>60] p = 0.47651 |FC|<1.25 or adjPval>0.01 [>60] p = 0.18533 |FC|<1.25 or adjPval>0.01 [AII] p = 0.019435[AII] p = 0.00350684 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 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 DQ895626|ILMN_1676822 (non-ER binding) DQ895626|ILMN_1676822 (non-ER binding) [<=60] p = 0.25415No detectable trend: [<=60] p = 0.12815No detectable trend: 16 16 [>60] p = 0.016696|FC|<1.25 or adjPval>0.01 [>60] p = 0.00043068 |FC|<1.25 or adjPval>0.01 [AII] p = 0.00021131[AII] p = 2.5149e - 094 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 DQ895626|ILMN_1676822 (non-ER binding)

iClust 10: N = 226 DQ895626|ILMN_1676822 (non-ER binding)

