iClust 1: N = 140 iClust 2: N = 72 AX747844|ILMN_1674983 (non-ER binding) AX747844|ILMN_1674983 (non-ER binding) [<=60] p = 0.68781No detectable trend: [<=60] p = 0.22834No detectable trend: 16 16 [>60] p = 0.38361[>60] p = 0.85136 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.49915[AII] p = 0.443734 4 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 **AX747844|ILMN_1674983 (non-ER binding)** AX747844|ILMN_1674983 (non-ER binding) [<=60] p = 0.44082No detectable trend: [<=60] p = 0.35318No detectable trend: 16 16 [>60] p = 0.47032|FC|<4 or adjPval>0.01 [>60] p = 0.72702|FC|<4 or adjPval>0.01 [AII] p = 0.70682[All] p = 0.375394 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 AX747844|ILMN_1674983 (non-ER binding) AX747844|ILMN_1674983 (non-ER binding) [<=60] p = 0.30752No detectable trend: [<=60] p = 0.16692No detectable trend: 16 16 [>60] p = 0.056794[>60] p = 0.6591|FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.77367[AII] p = 0.516264 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 = 300 **AX747844|ILMN_1674983 (non-ER binding)** AX747844|ILMN_1674983 (non-ER binding) [<=60] p = 0.5673No detectable trend: [<=60] p = 0.0017966 No detectable trend: 16 16 [>60] p = 0.64063|FC|<4 or adjPval>0.01 [>60] p = 0.89272|FC|<4 or adjPval>0.01 [AII] p = 0.61176[AII] p = 6.5655e - 104 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 19 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 AX747844|ILMN_1674983 (non-ER binding)

iClust 10: N = 226 AX747844|ILMN_1674983 (non-ER binding)

