iClust 1: N = 140 iClust 2: N = 72 FCER1A|ILMN_1688423 (non-ER binding) FCER1A|ILMN_1688423 (non-ER binding) [<=60] p = 0.2512 No detectable trend: [<=60] p = 0.80564No detectable trend: 16 16 [>60] p = 0.70573 [>60] p = 0.75217 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.001086[AII] p = 0.671784 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 FCER1A|ILMN_1688423 (non-ER binding) FCER1A|ILMN_1688423 (non-ER binding) [<=60] p = 0.57723No detectable trend: [<=60] p = 0.52846No detectable trend: 16 16 [>60] p = 0.1505 |FC|<4 or adjPval>0.01 [>60] p = 0.0012225 |FC|<4 or adjPval>0.01 [AII] p = 3.7449e - 07[AII] p = 0.000146244 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 FCER1A|ILMN_1688423 (non-ER binding) FCER1A|ILMN_1688423 (non-ER binding) [<=60] p = 0.79247No detectable trend: [<=60] p = 0.47341No detectable trend: 16 16 [>60] p = 0.15949 [>60] p = 0.91164 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.3666[AII] p = 0.135884 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 FCER1A|ILMN_1688423 (non-ER binding) FCER1A|ILMN_1688423 (non-ER binding) [<=60] p = 0.4949No detectable trend: [<=60] p = 0.29608No detectable trend: 16 16 [>60] p = 0.018969|FC|<4 or adjPval>0.01 [>60] p = 0.0005816 |FC|<4 or adjPval>0.01 [AII] p = 0.00032914[AII] p = 5.959e - 084 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 FCER1A|ILMN_1688423 (non-ER binding)

iClust 10: N = 226 FCER1A|ILMN_1688423 (non-ER binding)

