iClust 1: N = 140 iClust 2: N = 72 DIO2|ILMN_1737650 (ER binding) DIO2|ILMN_1737650 (ER binding) [<=60] p = 0.00047313 No detectable trend: [<=60] p = 0.77689No detectable trend: 16 16 [>60] p = 0.57328[>60] p = 0.41804|FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 1.5688e - 05[AII] p = 4.539e - 064 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 3: N = 294 iClust 4: N = 344 DIO2|ILMN_1737650 (ER binding) DIO2|ILMN_1737650 (ER binding) [<=60] p = 0.006591[<=60] p = 0.0054139 No detectable trend: No detectable trend: 16 16 [>60] p = 0.17477 |FC|<4 or adjPval>0.01 [>60] p = 0.060514|FC|<4 or adjPval>0.01 [AII] p = 9.6258e - 18[AII] p = 8.0359e - 064 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ∞ ∞ 9 9 20 40 60 80 100 20 40 60 80 100 Age at diagnosis Age at diagnosis

iClust 5: N = 191 iClust 6: N = 86 DIO2|ILMN_1737650 (ER binding) DIO2|ILMN_1737650 (ER binding) [<=60] p = 0.014689No detectable trend: [<=60] p = 0.74988No detectable trend: 16 16 [>60] p = 0.61395 [>60] p = 0.79881|FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.00061877[AII] p = 5.5515e - 064 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ∞ ∞ 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 DIO2|ILMN_1737650 (ER binding) DIO2|ILMN_1737650 (ER binding) [<=60] p = 0.019636[<=60] p = 0.011597No detectable trend: No detectable trend: 16 16 [>60] p = 0.020453|FC|<4 or adjPval>0.01 [>60] p = 0.61274 |FC|<4 or adjPval>0.01 [AII] p = 3.1498e - 07[AII] p = 1.3748e - 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 DIO2|ILMN_1737650 (ER binding)

iClust 10: N = 226 DIO2|ILMN_1737650 (ER binding)

