iClust 1: N = 140 iClust 2: N = 72 PTHLH|ILMN_1785699 (non-ER binding) PTHLH|ILMN_1785699 (non-ER binding) [<=60] p = 0.006123 No detectable trend: [<=60] p = 0.199No detectable trend: 16 16 [>60] p = 0.84321[>60] p = 0.51704 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.014069[AII] p = 0.00213484 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 PTHLH|ILMN_1785699 (non-ER binding) PTHLH|ILMN_1785699 (non-ER binding) [<=60] p = 0.047124No detectable trend: [<=60] p = 0.0016088 No detectable trend: 16 16 [>60] p = 0.62776|FC|<1.25 or adjPval>0.01 [>60] p = 0.77416|FC|<1.25 or adjPval>0.01 [AII] p = 5.9506e - 07[AII] p = 0.000640944 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 5: N = 191 iClust 6: N = 86 PTHLH|ILMN_1785699 (non-ER binding) PTHLH|ILMN_1785699 (non-ER binding) [<=60] p = 0.025896No detectable trend: [<=60] p = 0.80134No detectable trend: 16 16 [>60] p = 0.71722 [>60] p = 0.44239 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.54297[AII] p = 0.186094 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 PTHLH|ILMN_1785699 (non-ER binding) PTHLH|ILMN_1785699 (non-ER binding) [<=60] p = 0.010856[<=60] p = 0.031052No detectable trend: No detectable trend: 16 16 [>60] p = 0.57792|FC|<1.25 or adjPval>0.01 [>60] p = 0.63122 |FC|<1.25 or adjPval>0.01 [AII] p = 0.027362[AII] p = 1.5822e - 054 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 PTHLH|ILMN_1785699 (non-ER binding)

iClust 10: N = 226 PTHLH|ILMN_1785699 (non-ER binding)

