iClust 1: N = 140 iClust 2: N = 72 HPN|ILMN_1687235 (ER binding) HPN|ILMN_1687235 (ER binding) [<=60] p = 0.5569No detectable trend: [<=60] p = 0.58029No detectable trend: 16 16 [>60] p = 0.83528 |FC|<1.25 or adjPval>0.01 [>60] p = 0.098109 |FC|<1.25 or adjPval>0.01 [AII] p = 0.0060741[AII] p = 0.0104984 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 HPN|ILMN_1687235 (ER binding) HPN|ILMN_1687235 (ER binding) [<=60] p = 0.10101No detectable trend: [<=60] p = 0.19485No detectable trend: 16 16 [>60] p = 0.37465|FC|<1.25 or adjPval>0.01 [>60] p = 0.0088384 |FC|<1.25 or adjPval>0.01 [AII] p = 2.8154e - 06[AII] p = 5.0469e - 064 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 9 9 20 20 40 60 80 100 40 60 80 100 Age at diagnosis Age at diagnosis

iClust 5: N = 191 iClust 6: N = 86 HPN|ILMN_1687235 (ER binding) HPN|ILMN_1687235 (ER binding) [<=60] p = 0.50695No detectable trend: [<=60] p = 0.53317No detectable trend: 16 16 [>60] p = 0.079533 |FC|<1.25 or adjPval>0.01 [>60] p = 0.64857 |FC|<1.25 or adjPval>0.01 [AII] p = 0.0064223[AII] p = 0.0225924 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 9 9 20 20 40 60 80 100 40 60 80 100 Age at diagnosis Age at diagnosis iClust 7: N = 193 iClust 8: N = 300 HPN|ILMN_1687235 (ER binding) HPN|ILMN_1687235 (ER binding) [<=60] p = 0.67304[<=60] p = 0.12927No detectable trend: No detectable trend: 16 16 [>60] p = 0.12355 |FC|<1.25 or adjPval>0.01 [>60] p = 0.011793 |FC|<1.25 or adjPval>0.01 [AII] p = 0.019325[AII] p = 2.6572e - 054 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω 9 9 20 20 40 60 80 100 40 60 80 100 Age at diagnosis Age at diagnosis

iClust 9: N = 146 HPN|ILMN_1687235 (ER binding)

iClust 10: N = 226) HPN|ILMN_1687235 (ER binding)

