iClust 1: N = 140 iClust 2: N = 72 PAF 15|ILMN\_2412521 (non-ER binding) PAF 15|ILMN\_2412521 (non-ER binding) [<=60] p = 0.66541 No detectable trend: [<=60] p = 0.20431No detectable trend: 16 16 [>60] p = 0.69632[>60] p = 0.24334|FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.27613[AII] p = 0.139314 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 9 9 20 40 60 80 20 40 60 80 100 100 Age at diagnosis Age at diagnosis iClust 3: N = 294 iClust 4: N = 344 PAF 15|ILMN\_2412521 (non-ER binding) PAF 15|ILMN\_2412521 (non-ER binding) [<=60] p = 0.20963No detectable trend: [<=60] p = 0.87288No detectable trend: 16 16 [>60] p = 0.47532[>60] p = 0.38069|FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [All] p = 0.14689[All] p = 0.975834 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 5: N = 191 iClust 6: N = 86 PAF 15|ILMN\_2412521 (non-ER binding) PAF 15|ILMN\_2412521 (non-ER binding) [<=60] p = 0.013163 No detectable trend: [<=60] p = 0.69159No detectable trend: 16 16 [>60] p = 0.6415 |FC|<4 or adjPval>0.01 [>60] p = 0.43786|FC|<4 or adjPval>0.01 [AII] p = 0.55041[AII] p = 0.188864 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 9 9 20 40 60 80 20 40 60 80 100 100 Age at diagnosis Age at diagnosis iClust 7: N = 193 iClust 8: N = 300 PAF 15|ILMN\_2412521 (non-ER binding) PAF 15|ILMN\_2412521 (non-ER binding) [<=60] p = 0.52402No detectable trend: [<=60] p = 0.76958No detectable trend: 16 16 [>60] p = 0.29621 |FC|<4 or adjPval>0.01 [>60] p = 0.47242|FC|<4 or adjPval>0.01 [AII] p = 0.22569[AII] p = 0.825844 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω 9 9 20 40 60 80 20 40 60 80 100 100 Age at diagnosis Age at diagnosis

iClust 9: N = 146 PAF 15|ILMN\_2412521 (non-ER binding)

iClust 10: N = 226 PAF 15|ILMN\_2412521 (non-ER binding)

