iClust 1: N = 140 iClust 2: N = 72 PAF 15|ILMN\_1732150 (non-ER binding) PAF 15|ILMN\_1732150 (non-ER binding) [<=60] p = 0.64685No detectable trend: [<=60] p = 0.17739 No detectable trend: 16 16 [>60] p = 0.84458 [>60] p = 0.63912 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.19271[AII] p = 0.578094 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 PAF 15|ILMN\_1732150 (non-ER binding) PAF 15|ILMN\_1732150 (non-ER binding) [<=60] p = 0.32995No detectable trend: [<=60] p = 0.72431No detectable trend: 16 16 [>60] p = 0.2468[>60] p = 0.84754 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [All] p = 0.36532[AII] p = 0.675284 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 PAF 15|ILMN\_1732150 (non-ER binding) PAF 15|ILMN\_1732150 (non-ER binding) [<=60] p = 0.54513No detectable trend: [<=60] p = 0.050026No detectable trend: 16 16 [>60] p = 0.7447|FC|<1.25 or adjPval>0.01 [>60] p = 0.66245 |FC|<1.25 or adjPval>0.01 [AII] p = 0.97975[AII] p = 0.647654 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 PAF 15|ILMN\_1732150 (non-ER binding) PAF 15|ILMN\_1732150 (non-ER binding) [<=60] p = 0.33475[<=60] p = 0.93134No detectable trend: No detectable trend: 16 16 [>60] p = 0.46999[>60] p = 0.45859 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [All] p = 0.25376[All] p = 0.505754 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 PAF 15|ILMN\_1732150 (non-ER binding)

iClust 10: N = 226 PAF 15|ILMN\_1732150 (non-ER binding)

