iClust 1: N = 140 iClust 2: N = 72 RYBP|ILMN_1721842 (non-ER binding) RYBP|ILMN_1721842 (non-ER binding) [<=60] p = 0.5389No detectable trend: [<=60] p = 0.92449No detectable trend: 16 16 [>60] p = 0.23298 [>60] p = 0.36302|FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.11976[AII] p = 0.0125684 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 RYBP|ILMN_1721842 (non-ER binding) RYBP|ILMN_1721842 (non-ER binding) [<=60] p = 0.31763[<=60] p = 0.02642No detectable trend: No detectable trend: 16 16 [>60] p = 0.040408|FC|<1.25 or adjPval>0.01 [>60] p = 0.19739 |FC|<1.25 or adjPval>0.01 [AII] p = 0.011572[All] p = 0.824324 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 19 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 RYBP|ILMN_1721842 (non-ER binding) RYBP|ILMN_1721842 (non-ER binding) [<=60] p = 0.51554No detectable trend: [<=60] p = 0.57095No detectable trend: 16 16 [>60] p = 0.0031955 [>60] p = 0.92693 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.4422[AII] p = 0.373564 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 19 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 RYBP|ILMN_1721842 (non-ER binding) RYBP|ILMN_1721842 (non-ER binding) [<=60] p = 0.87129No detectable trend: [<=60] p = 0.14759No detectable trend: 16 16 [>60] p = 0.056822|FC|<1.25 or adjPval>0.01 [>60] p = 0.13633|FC|<1.25 or adjPval>0.01 [AII] p = 0.00026626[AII] p = 0.00874874 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 RYBP|ILMN_1721842 (non-ER binding)

iClust 10: N = 226 RYBP|ILMN_1721842 (non-ER binding)

