iClust 1: N = 140 iClust 2: N = 72 MYBPC1|ILMN\_2330170 (ER binding) MYBPC1|ILMN\_2330170 (ER binding) [<=60] p = 0.41427 No detectable trend: [<=60] p = 0.64127No detectable trend: 16 16 [>60] p = 0.62363[>60] p = 0.097802|FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.72074[AII] p = 0.172174 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 MYBPC1|ILMN\_2330170 (ER binding) MYBPC1|ILMN\_2330170 (ER binding) [<=60] p = 0.00013958[<=60] p = 0.17968No detectable trend: No detectable trend: 16 16 [>60] p = 0.0025845 |FC|<2 or adjPval>0.01 [>60] p = 0.70446|FC|<2 or adjPval>0.01 [AII] p = 2.2061e-12[AII] p = 0.006494 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 MYBPC1|ILMN\_2330170 (ER binding) MYBPC1|ILMN\_2330170 (ER binding) [<=60] p = 0.9757No detectable trend: [<=60] p = 0.46849No detectable trend: 16 16 [>60] p = 0.63524 [>60] p = 0.20341 |FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.034826[AII] p = 0.118834 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 MYBPC1|ILMN\_2330170 (ER binding) MYBPC1|ILMN\_2330170 (ER binding) [<=60] p = 0.00055118 No detectable trend: [<=60] p = 0.00021669 No detectable trend: 16 16 [>60] p = 0.4162 |FC|<2 or adjPval>0.01 [>60] p = 0.85584|FC|<2 or adjPval>0.01 [AII] p = 0.0016108[AII] p = 4.2061e - 124 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 19 ω ω 9 9 20 40 60 80 100 20 40 60 80 100 Age at diagnosis Age at diagnosis

iClust 9: N = 146 MYBPC1|ILMN\_2330170 (ER binding)

iClust 10: N = 226 MYBPC1|ILMN\_2330170 (ER binding)

