iClust 1: N = 140 iClust 2: N = 72 Beta-catenin|ILMN\_1757350 (non-ER binding) Beta-catenin|ILMN\_1757350 (non-ER binding) [<=60] p = 0.92976No detectable trend: [<=60] p = 0.67369No detectable trend: 16 16 [>60] p = 0.20665|FC|<1.25 or adjPval>0.01 [>60] p = 0.25408 |FC|<1.25 or adjPval>0.01 [All] p = 0.1918[AII] p = 0.977944 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10  $\infty$ 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 Beta-catenin|ILMN\_1757350 (non-ER binding) Beta-catenin|ILMN\_1757350 (non-ER binding) [<=60] p = 0.1237 No detectable trend: [<=60] p = 0.090387No detectable trend: 16 16 [>60] p = 0.0051062 [>60] p = 0.51255 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.18837[AII] p = 0.032064 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10  $\infty$  $\infty$ 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 Beta-catenin|ILMN\_1757350 (non-ER binding) Beta-catenin|ILMN\_1757350 (non-ER binding) [<=60] p = 0.88918No detectable trend: [<=60] p = 0.32642No detectable trend: 16 16 [>60] p = 0.83873[>60] p = 0.16239 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.20695[AII] p = 0.530914 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10  $\infty$  $\infty$ 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 Beta-catenin|ILMN\_1757350 (non-ER binding) Beta-catenin|ILMN\_1757350 (non-ER binding) [<=60] p = 0.067907[<=60] p = 0.61858No detectable trend: No detectable trend: 16 16 [>60] p = 0.78487[>60] p = 0.27666 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.66426[All] p = 0.459844 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10  $\infty$  $\infty$ 9 9 20 40 60 80 100 20 40 60 80 100 Age at diagnosis Age at diagnosis

iClust 9: N = 146
Beta-catenin|ILMN\_1757350 (non-ER binding)

iClust 10: N = 226
Beta-catenin|ILMN\_1757350 (non-ER binding)

