iClust 1: N = 140 iClust 2: N = 72 SPRY2|ILMN\_2089329 (non-ER binding) SPRY2|ILMN\_2089329 (non-ER binding) [<=60] p = 0.073798No detectable trend: [<=60] p = 0.21919No detectable trend: 16 16 [>60] p = 0.034901 [>60] p = 0.087771 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 2.4311e - 05[AII] p = 0.0817274 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω  $\infty$ 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 SPRY2|ILMN\_2089329 (non-ER binding) SPRY2|ILMN\_2089329 (non-ER binding) [<=60] p = 0.32725[<=60] p = 0.071933No detectable trend: No detectable trend: 16 16 [>60] p = 0.05605|FC|<4 or adjPval>0.01 [>60] p = 0.010725 |FC|<4 or adjPval>0.01 [AII] p = 1.0844e - 08[AII] p = 5.1251e - 054 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10  $\infty$ 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 SPRY2|ILMN\_2089329 (non-ER binding) SPRY2|ILMN\_2089329 (non-ER binding) [<=60] p = 0.0053202 No detectable trend: [<=60] p = 0.52945No detectable trend: 16 16 [>60] p = 0.16561[>60] p = 0.93064|FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.00031964[AII] p = 0.00223434 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10  $\infty$  $\infty$ 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 SPRY2|ILMN\_2089329 (non-ER binding) SPRY2|ILMN\_2089329 (non-ER binding) [<=60] p = 0.098421No detectable trend: [<=60] p = 0.0038826No detectable trend: 16 16 [>60] p = 0.020245 |FC|<4 or adjPval>0.01 [>60] p = 0.074147 |FC|<4 or adjPval>0.01 [AII] p = 5.8506e - 07[AII] p = 2.8076e - 064 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω  $\infty$ 9 9 20 40 60 80 100 20 40 60 80 100 Age at diagnosis Age at diagnosis

iClust 9: N = 146 SPRY2|ILMN\_2089329 (non-ER binding)

iClust 10: N = 226 SPRY2|ILMN\_2089329 (non-ER binding)

