iClust 1: N = 140 iClust 2: N = 72 PCDH18|ILMN\_2229877 (non-ER binding) PCDH18|ILMN\_2229877 (non-ER binding) [<=60] p = 0.020052 No detectable trend: [<=60] p = 0.95469No detectable trend: 16 16 [>60] p = 0.077385 [>60] p = 0.077569|FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 8.4856e - 07[AII] p = 0.027244 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 PCDH18|ILMN\_2229877 (non-ER binding) PCDH18|ILMN\_2229877 (non-ER binding) [<=60] p = 0.60106No detectable trend: [<=60] p = 0.51778No detectable trend: 16 16 [>60] p = 0.031704|FC|<1.25 or adjPval>0.01 [>60] p = 0.00082783 |FC|<1.25 or adjPval>0.01 [AII] p = 1.4105e - 12[AII] p = 7.74e - 094 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 PCDH18|ILMN\_2229877 (non-ER binding) PCDH18|ILMN\_2229877 (non-ER binding) [<=60] p = 0.030234No detectable trend: [<=60] p = 0.63003No detectable trend: 16 16 [>60] p = 0.16438 [>60] p = 0.20247 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 8.6301e-05[AII] p = 3.167e - 064 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 7: N = 193 iClust 8: N = 300 PCDH18|ILMN\_2229877 (non-ER binding) PCDH18|ILMN\_2229877 (non-ER binding) [<=60] p = 0.18998[<=60] p = 0.11095No detectable trend: No detectable trend: 16 16 [>60] p = 0.0032827 |FC|<1.25 or adjPval>0.01 [>60] p = 0.0038772 |FC|<1.25 or adjPval>0.01 [AII] p = 1.2598e - 08[AII] p = 2.5931e-104 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 PCDH18|ILMN\_2229877 (non-ER binding)

iClust 10: N = 226 PCDH18|ILMN\_2229877 (non-ER binding)

