iClust 1: N = 140 iClust 2: N = 72 JARID2|ILMN\_1764177 (ER binding) JARID2|ILMN\_1764177 (ER binding) [<=60] p = 0.54472No detectable trend: [<=60] p = 0.23148No detectable trend: 16 16 [>60] p = 0.10566[>60] p = 0.049503|FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.96828[AII] p = 0.943794 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10  $\infty$ 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 JARID2|ILMN\_1764177 (ER binding) JARID2|ILMN\_1764177 (ER binding) [<=60] p = 0.80672No detectable trend: [<=60] p = 0.16935No detectable trend: 16 16 [>60] p = 0.96224|FC|<1.25 or adjPval>0.01 [>60] p = 0.11343 |FC|<1.25 or adjPval>0.01 [AII] p = 0.22734[AII] p = 0.0532794 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10  $\infty$ 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 JARID2|ILMN\_1764177 (ER binding) JARID2|ILMN\_1764177 (ER binding) [<=60] p = 0.47151 No detectable trend: [<=60] p = 0.36348No detectable trend: 16 16 [>60] p = 0.41096|FC|<1.25 or adjPval>0.01 [>60] p = 0.27006 |FC|<1.25 or adjPval>0.01 [AII] p = 0.82187[AII] p = 0.300984 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 JARID2|ILMN\_1764177 (ER binding) JARID2|ILMN\_1764177 (ER binding) [<=60] p = 0.19122No detectable trend: [<=60] p = 0.8361No detectable trend: 16 16 [>60] p = 0.4463|FC|<1.25 or adjPval>0.01 [>60] p = 0.42159 |FC|<1.25 or adjPval>0.01 [AII] p = 0.11848[AII] p = 0.198624 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 JARID2|ILMN\_1764177 (ER binding)

iClust 10: N = 226 JARID2|ILMN\_1764177 (ER binding)

