iClust 1: N = 140 iClust 2: N = 72 CXCL13|ILMN\_1718552 (non-ER binding) CXCL13|ILMN\_1718552 (non-ER binding) [<=60] p = 0.44431No detectable trend: [<=60] p = 0.041473No detectable trend: 16 16 [>60] p = 0.6355|FC|<1.25 or adjPval>0.01 [>60] p = 0.56425 |FC|<1.25 or adjPval>0.01 [AII] p = 0.31162[AII] p = 0.0145944 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 CXCL13|ILMN\_1718552 (non-ER binding) CXCL13|ILMN\_1718552 (non-ER binding) [<=60] p = 0.0022482No detectable trend: [<=60] p = 0.0163No detectable trend: 16 16 [>60] p = 0.8512 |FC|<1.25 or adjPval>0.01 [>60] p = 0.48405|FC|<1.25 or adjPval>0.01 [AII] p = 2.0837e - 05[AII] p = 0.000235994 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 5: N = 191 iClust 6: N = 86 CXCL13|ILMN\_1718552 (non-ER binding) CXCL13|ILMN\_1718552 (non-ER binding) [<=60] p = 0.61665No detectable trend: [<=60] p = 0.77813No detectable trend: 16 16 [>60] p = 0.18577 [>60] p = 0.1104 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.42319[AII] p = 0.0302884 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 CXCL13|ILMN\_1718552 (non-ER binding) CXCL13|ILMN\_1718552 (non-ER binding) [<=60] p = 0.011854[<=60] p = 0.066326No detectable trend: No detectable trend: 16 16 [>60] p = 0.70306|FC|<1.25 or adjPval>0.01 [>60] p = 0.18202|FC|<1.25 or adjPval>0.01 [AII] p = 0.00021359[AII] p = 7.9034e - 074 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 CXCL13|ILMN\_1718552 (non-ER binding)

iClust 10: N = 226 CXCL13|ILMN\_1718552 (non-ER binding)

