iClust 1: N = 140 iClust 2: N = 72 ELAC2|ILMN\_1718044 (non-ER binding) ELAC2|ILMN\_1718044 (non-ER binding) [<=60] p = 0.87923No detectable trend: [<=60] p = 0.76268No detectable trend: 16 16 [>60] p = 0.7042[>60] p = 0.88988|FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.85778[AII] p = 0.740824 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 ELAC2|ILMN\_1718044 (non-ER binding) ELAC2|ILMN\_1718044 (non-ER binding) [<=60] p = 0.51057No detectable trend: [<=60] p = 0.072437No detectable trend: 16 16 [>60] p = 0.44282 |FC|<1.25 or adjPval>0.01 [>60] p = 0.02568|FC|<1.25 or adjPval>0.01 [AII] p = 0.67877[AII] p = 0.00221724 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 5: N = 191 iClust 6: N = 86 ELAC2|ILMN\_1718044 (non-ER binding) ELAC2|ILMN\_1718044 (non-ER binding) [<=60] p = 0.15619 No detectable trend: [<=60] p = 0.89725No detectable trend: 16 16 [>60] p = 0.0069231 [>60] p = 0.8565|FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.19874[AII] p = 0.015814 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 ELAC2|ILMN\_1718044 (non-ER binding) ELAC2|ILMN\_1718044 (non-ER binding) [<=60] p = 0.87144No detectable trend: [<=60] p = 0.45198No detectable trend: 16 16 [>60] p = 0.29979|FC|<1.25 or adjPval>0.01 [>60] p = 0.4284|FC|<1.25 or adjPval>0.01 [AII] p = 0.079235[AII] p = 0.0136464 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 ELAC2|ILMN\_1718044 (non-ER binding)

iClust 10: N = 226 ELAC2|ILMN\_1718044 (non-ER binding)

