iClust 1: N = 140 iClust 2: N = 72 NFIB|ILMN\_1848552 (ER binding) NFIB|ILMN\_1848552 (ER binding) [<=60] p = 0.70612No detectable trend: [<=60] p = 0.88092No detectable trend: 16 16 [>60] p = 0.16044 [>60] p = 0.13758 |FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.010431[AII] p = 0.0841564 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 4: N = 344 iClust 3: N = 294 NFIB|ILMN\_1848552 (ER binding) NFIB|ILMN\_1848552 (ER binding) [<=60] p = 0.92438No detectable trend: [<=60] p = 0.25341No detectable trend: 16 16 |FC|<2 or adjPval>0.01 [>60] p = 0.05954|FC|<2 or adjPval>0.01 [>60] p = 0.15815 [AII] p = 0.00011003[AII] p = 5.9985e - 054 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 NFIB|ILMN\_1848552 (ER binding) NFIB|ILMN\_1848552 (ER binding) [<=60] p = 0.62381No detectable trend: [<=60] p = 0.60028No detectable trend: 16 16 [>60] p = 0.40329[>60] p = 0.49343|FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.0011186[AII] p = 0.0388954 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 7: N = 193 iClust 8: N = 300 NFIB|ILMN\_1848552 (ER binding) NFIB|ILMN\_1848552 (ER binding) [<=60] p = 0.76827No detectable trend: [<=60] p = 0.0009432No detectable trend: 16 16 [>60] p = 0.15168 |FC|<2 or adjPval>0.01 [>60] p = 0.00040132 |FC|<2 or adjPval>0.01 [AII] p = 0.03266[AII] p = 1.2186e - 084 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 NFIB|ILMN\_1848552 (ER binding)

iClust 10: N = 226 NFIB|ILMN\_1848552 (ER binding)

