iClust 1: N = 140 iClust 2: N = 72 LAMC1|ILMN\_1810852 (ER binding) LAMC1|ILMN\_1810852 (ER binding) [<=60] p = 0.17096No detectable trend: [<=60] p = 0.31322No detectable trend: 16 16 [>60] p = 0.58914[>60] p = 0.35817 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.10936[AII] p = 0.476154 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 9 9 20 40 60 80 20 40 60 80 100 100 Age at diagnosis Age at diagnosis iClust 3: N = 294 iClust 4: N = 344 LAMC1|ILMN\_1810852 (ER binding) LAMC1|ILMN\_1810852 (ER binding) [<=60] p = 0.17844No detectable trend: [<=60] p = 0.86673No detectable trend: 16 16 [>60] p = 0.00023094 [>60] p = 0.013578 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 3.5911e-10[AII] p = 2.1419e - 064 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 LAMC1|ILMN\_1810852 (ER binding) LAMC1|ILMN\_1810852 (ER binding) [<=60] p = 0.8186No detectable trend: [<=60] p = 0.46657No detectable trend: 16 16 [>60] p = 0.058206 [>60] p = 0.17422|FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.032217[AII] p = 0.00112154 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 19 10 ω ω 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 LAMC1|ILMN\_1810852 (ER binding) LAMC1|ILMN\_1810852 (ER binding) [<=60] p = 0.92747No detectable trend: [<=60] p = 0.8795No detectable trend: 16 16 [>60] p = 0.18458|FC|<1.25 or adjPval>0.01 [>60] p = 0.42882 |FC|<1.25 or adjPval>0.01 [AII] p = 0.0065211[All] p = 0.00021514 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 19 10 ω ω 9 9 20 40 60 80 100 20 40 60 80 100 Age at diagnosis Age at diagnosis

iClust 9: N = 146 LAMC1|ILMN\_1810852 (ER binding)

iClust 10: N = 226 LAMC1|ILMN\_1810852 (ER binding)

