iClust 1: N = 140 iClust 2: N = 72 NFIX|ILMN\_1694325 (non-ER binding) NFIX|ILMN\_1694325 (non-ER binding) [<=60] p = 0.29974No detectable trend: [<=60] p = 0.77293No detectable trend: 16 16 [>60] p = 0.35524[>60] p = 0.11392 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.31896[AII] p = 0.0424874 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 4: N = 344 iClust 3: N = 294 NFIX|ILMN\_1694325 (non-ER binding) NFIX|ILMN\_1694325 (non-ER binding) [<=60] p = 0.0031076No detectable trend: [<=60] p = 0.51321 No detectable trend: 16 16 [>60] p = 0.35638[>60] p = 0.14178 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 6.7051e - 05[AII] p = 0.0495664 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 5: N = 191 iClust 6: N = 86 NFIX|ILMN\_1694325 (non-ER binding) NFIX|ILMN\_1694325 (non-ER binding) [<=60] p = 0.21244 No detectable trend: [<=60] p = 0.57701No detectable trend: 16 16 [>60] p = 0.67512 [>60] p = 0.52934|FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.43749[AII] p = 0.426864 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 NFIX|ILMN\_1694325 (non-ER binding) NFIX|ILMN\_1694325 (non-ER binding) [<=60] p = 0.043364No detectable trend: [<=60] p = 0.0069623No detectable trend: 16 16 [>60] p = 0.91552 |FC|<1.25 or adjPval>0.01 [>60] p = 0.043492 |FC|<1.25 or adjPval>0.01 [AII] p = 0.14725[AII] p = 9.9385e-104 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 9: N = 146 NFIX|ILMN\_1694325 (non-ER binding)

iClust 10: N = 226 NFIX|ILMN\_1694325 (non-ER binding)

