iClust 1: N = 140 iClust 2: N = 72 FAT1|ILMN\_1754795 (non-ER binding) FAT1|ILMN\_1754795 (non-ER binding) [<=60] p = 0.50075No detectable trend: [<=60] p = 0.18038No detectable trend: 16 16 [>60] p = 0.83924[>60] p = 0.24679 |FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.1562[All] p = 0.49764 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 3: N = 294 iClust 4: N = 344 FAT1|ILMN\_1754795 (non-ER binding) FAT1|ILMN\_1754795 (non-ER binding) [<=60] p = 0.065947No detectable trend: [<=60] p = 0.61957No detectable trend: 16 16 [>60] p = 0.15202 |FC|<2 or adjPval>0.01 [>60] p = 0.15754 |FC|<2 or adjPval>0.01 [AII] p = 3.7767e - 06[AII] p = 0.00383654 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10  $\infty$ 9 9 20 20 40 60 80 100 40 60 80 100 Age at diagnosis Age at diagnosis

iClust 5: N = 191 iClust 6: N = 86 FAT1|ILMN\_1754795 (non-ER binding) FAT1|ILMN\_1754795 (non-ER binding) [<=60] p = 0.23715No detectable trend: [<=60] p = 0.96197No detectable trend: 16 16 [>60] p = 0.06683[>60] p = 0.51742 |FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 3.9161e - 07[AII] p = 0.0582084 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 19 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 FAT1|ILMN\_1754795 (non-ER binding) FAT1|ILMN\_1754795 (non-ER binding) [<=60] p = 0.0445No detectable trend: [<=60] p = 0.075882No detectable trend: 16 16 [>60] p = 0.66633|FC|<2 or adjPval>0.01 [>60] p = 0.23402|FC|<2 or adjPval>0.01 [AII] p = 0.0026441[AII] p = 0.00178544 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10  $\infty$  $\infty$ 9 9 20 20 40 60 80 100 40 60 80 100 Age at diagnosis Age at diagnosis

iClust 9: N = 146 FAT1|ILMN\_1754795 (non-ER binding)

iClust 10: N = 226 FAT1|ILMN\_1754795 (non-ER binding)

