iClust 1: N = 140 iClust 2: N = 72 GSK3B|ILMN\_1779376 (non-ER binding) GSK3B|ILMN\_1779376 (non-ER binding) [<=60] p = 0.20122No detectable trend: [<=60] p = 0.76527No detectable trend: 16 16 [>60] p = 0.31185 [>60] p = 0.62234 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.4242[AII] p = 0.914724 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 GSK3B|ILMN\_1779376 (non-ER binding) GSK3B|ILMN\_1779376 (non-ER binding) [<=60] p = 0.40807[<=60] p = 0.55781 No detectable trend: No detectable trend: 16 16 [>60] p = 0.55208|FC|<4 or adjPval>0.01 [>60] p = 0.50581 |FC|<4 or adjPval>0.01 [AII] p = 0.053135[AII] p = 0.469144 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 5: N = 191 iClust 6: N = 86 GSK3B|ILMN\_1779376 (non-ER binding) GSK3B|ILMN\_1779376 (non-ER binding) [<=60] p = 0.43989No detectable trend: [<=60] p = 0.22667No detectable trend: 16 16 [>60] p = 0.0026862 [>60] p = 0.43763 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.5868[AII] p = 0.113484 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 GSK3B|ILMN\_1779376 (non-ER binding) GSK3B|ILMN\_1779376 (non-ER binding) [<=60] p = 0.12813[<=60] p = 0.86731No detectable trend: No detectable trend: 16 16 [>60] p = 0.53163 |FC|<4 or adjPval>0.01 [>60] p = 0.9387|FC|<4 or adjPval>0.01 [AII] p = 0.026195[All] p = 0.0137574 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 9: N = 146 GSK3B|ILMN\_1779376 (non-ER binding)

iClust 10: N = 226 GSK3B|ILMN\_1779376 (non-ER binding)

