p53|ILMN\_1779356 p53|ILMN\_1779356 NKI Tier 1: ER binding; Tier 2: ER binding NKI Tier 1: ER binding; Tier 2: ER binding [<=60] p = 0.35036[<=60] p = 0.27752No detectable trend: No detectable trend: 16 16 [>60] p = 0.52109 [>60] p = 0.4836|FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.95113[AII] p = 0.163544 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 p53|ILMN\_1779356 p53|ILMN\_1779356 NKI Tier 1: ER binding; Tier 2: ER binding NKI Tier 1: ER binding; Tier 2: ER binding [<=60] p = 0.24477No detectable trend: [<=60] p = 0.8168No detectable trend: 16 16 [>60] p = 0.55826[>60] p = 0.348|FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.24308[AII] p = 0.680464 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10  $\infty$  $\infty$ 

9

20

40

60

Age at diagnosis

80

100

iClust 2: N = 72

iClust 1: N = 140

9

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Age at diagnosis

80

100

p53|ILMN\_1779356 p53|ILMN\_1779356 NKI Tier 1: ER binding; Tier 2: ER binding NKI Tier 1: ER binding; Tier 2: ER binding [<=60] p = 0.23424No detectable trend: [<=60] p = 0.38501No detectable trend: 16 16 [>60] p = 0.038478[>60] p = 0.23235 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.50472[AII] p = 0.314444 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 = 193iClust 8: N = 300 p53|ILMN\_1779356 p53|ILMN\_1779356 NKI Tier 1: ER binding; Tier 2: ER binding NKI Tier 1: ER binding; Tier 2: ER binding [<=60] p = 0.38146No detectable trend: [<=60] p = 0.32894No detectable trend: 16 16 [>60] p = 0.40481[>60] p = 0.64094|FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [All] p = 0.51459[AII] p = 0.493854 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω  $\infty$ 

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Age at diagnosis

80

100

iClust 6: N = 86

iClust 5: N = 191

9

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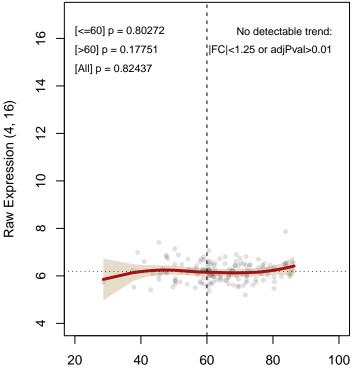
60

Age at diagnosis

80

100

iClust 9: N = 146 p53|ILMN\_1779356 NKI Tier 1: ER binding; Tier 2: ER binding



Age at diagnosis

iClust 10: N = 226 p53|ILMN\_1779356

NKI Tier 1: ER binding; Tier 2: ER binding

