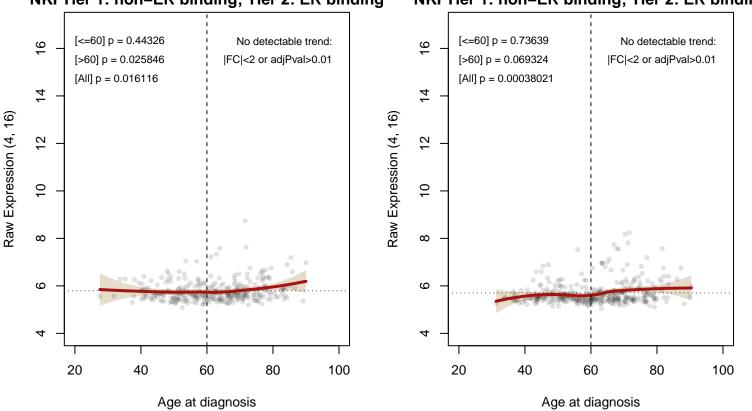
iClust 1: N = 140 iClust 2: N = 72 Ret|ILMN\_1666314 Ret|ILMN\_1666314 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.33092[<=60] p = 0.11517No detectable trend: No detectable trend: 16 16 [>60] p = 0.016149 |FC|<2 or adjPval>0.01 [>60] p = 0.83525 |FC|<2 or adjPval>0.01 [AII] p = 0.93328[AII] p = 0.437554 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω  $\infty$ 9 9 20 40 60 80 100 20 40 60 80 100 Age at diagnosis Age at diagnosis iClust 3: N = 294iClust 4: N = 344Ret|ILMN\_1666314 Ret|ILMN\_1666314 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding 16 [<=60] p = 0.44326No detectable trend: [<=60] p = 0.73639No detectable trend: 16 |FC|<2 or adjPval>0.01 [>60] p = 0.025846 [>60] p = 0.069324 |FC|<2 or adjPval>0.01 [All] p = 0.016116[AII] p = 0.000380214 4 12 12



iClust 5: N = 191 iClust 6: N = 86Ret|ILMN\_1666314 Ret|ILMN\_1666314 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.14527No detectable trend: [<=60] p = 0.66345No detectable trend: 16 16 [>60] p = 0.17029 |FC|<2 or adjPval>0.01 [>60] p = 0.16755 |FC|<2 or adjPval>0.01 [AII] p = 0.017081[AII] p = 0.751824 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 7: N = 193 iClust 8: N = 300Ret|ILMN\_1666314 Ret|ILMN\_1666314 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.50806[<=60] p = 0.9045No detectable trend: No detectable trend: 16 16 [>60] p = 0.83221 |FC|<2 or adjPval>0.01 [>60] p = 0.81637 |FC|<2 or adjPval>0.01 [AII] p = 0.46262[AII] p = 0.0686634 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 9 9

20

40

60

Age at diagnosis

80

100

20

40

60

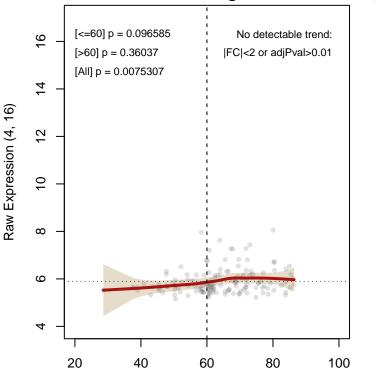
Age at diagnosis

80

100

iClust 9: N = 146 Ret|ILMN\_1666314

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



Age at diagnosis

iClust 10: N = 226 Ret|ILMN\_1666314

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

