iClust 1: N = 140 iClust 2: N = 72 AKT1|ILMN\_1748661 AKT1|ILMN\_1748661 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.29546No detectable trend: [<=60] p = 0.65713No detectable trend: 16 16 [>60] p = 0.71101 [>60] p = 0.027424|FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.36996[AII] p = 0.864464 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

20

40

60

Age at diagnosis

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100

20

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Age at diagnosis

80

100

iClust 3: N = 294iClust 4: N = 344AKT1|ILMN\_1748661 AKT1|ILMN\_1748661 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.87616No detectable trend: [<=60] p = 0.14503No detectable trend: 16 16 [>60] p = 0.37439 |FC|<1.25 or adjPval>0.01 [>60] p = 0.37546 |FC|<1.25 or adjPval>0.01 [All] p = 0.52611[All] p = 0.738124 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 9 9

Age at diagnosis

iClust 5: N = 191 iClust 6: N = 86 AKT1|ILMN\_1748661 AKT1|ILMN\_1748661 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.57199No detectable trend: [<=60] p = 0.28283No detectable trend: 16 16 [>60] p = 0.89812 [>60] p = 0.59923 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.99982[AII] p = 0.518094 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 = 193iClust 8: N = 300AKT1|ILMN\_1748661 AKT1|ILMN\_1748661 NKI Tier 1: non-ER binding; Tier 2: ER binding NKI Tier 1: non-ER binding; Tier 2: ER binding [<=60] p = 0.11625 No detectable trend: [<=60] p = 0.68685No detectable trend: 16 16 [>60] p = 0.58948 |FC|<1.25 or adjPval>0.01 [>60] p = 0.23531 |FC|<1.25 or adjPval>0.01 [AII] p = 0.38796[AII] p = 0.124814 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω

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Age at diagnosis

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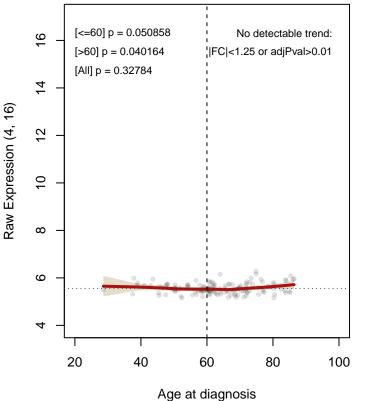
Age at diagnosis

80

100

iClust 9: N = 146 AKT1|ILMN\_1748661

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



iClust 10: N = 226 AKT1|ILMN\_1748661

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

