iClust 1: N = 140 iClust 2: N = 72 PIP5K1C|ILMN\_1668514 (non-ER binding) PIP5K1C|ILMN\_1668514 (non-ER binding) [<=60] p = 0.80168No detectable trend: [<=60] p = 0.68222No detectable trend: 16 16 [>60] p = 0.71371 [>60] p = 0.56045 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.2437[AII] p = 0.141144 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10  $\infty$ 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 PIP5K1C|ILMN\_1668514 (non-ER binding) PIP5K1C|ILMN\_1668514 (non-ER binding) [<=60] p = 0.69529No detectable trend: [<=60] p = 0.05532No detectable trend: 16 16 [>60] p = 0.13587 |FC|<1.25 or adjPval>0.01 [>60] p = 0.20731 |FC|<1.25 or adjPval>0.01 [AII] p = 0.96806[AII] p = 0.00413224 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10  $\infty$ 9 9

20

40

60

Age at diagnosis

80

100

20

40

60

Age at diagnosis

80

100

iClust 5: N = 191 iClust 6: N = 86 PIP5K1C|ILMN\_1668514 (non-ER binding) PIP5K1C|ILMN\_1668514 (non-ER binding) [<=60] p = 0.24395No detectable trend: [<=60] p = 0.068444No detectable trend: 16 16 [>60] p = 0.93817[>60] p = 0.33456|FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.85407[AII] p = 0.703694 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 7: N = 193 iClust 8: N = 300 PIP5K1C|ILMN\_1668514 (non-ER binding) PIP5K1C|ILMN\_1668514 (non-ER binding) [<=60] p = 0.25653[<=60] p = 0.74029No detectable trend: No detectable trend: 16 16 [>60] p = 0.7352 |FC|<1.25 or adjPval>0.01 [>60] p = 0.71237 |FC|<1.25 or adjPval>0.01 [AII] p = 0.9133[All] p = 0.235354 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 9: N = 146 PIP5K1C|ILMN\_1668514 (non-ER binding)

iClust 10: N = 226 PIP5K1C|ILMN\_1668514 (non-ER binding)

