iClust 1: N = 140 iClust 2: N = 72 RUNX3|ILMN_1787461 (non-ER binding) RUNX3|ILMN_1787461 (non-ER binding) [<=60] p = 0.23882No detectable trend: [<=60] p = 0.14715No detectable trend: 16 16 [>60] p = 0.64787[>60] p = 0.07874|FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.14694[AII] p = 0.0529964 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 3: N = 294 iClust 4: N = 344 RUNX3|ILMN_1787461 (non-ER binding) RUNX3|ILMN_1787461 (non-ER binding) [<=60] p = 0.023806[<=60] p = 0.94704No detectable trend: No detectable trend: 16 16 [>60] p = 0.12919 |FC|<2 or adjPval>0.01 [>60] p = 0.16086|FC|<2 or adjPval>0.01 [AII] p = 0.28188[AII] p = 0.00183064 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω

9

20

40

60

Age at diagnosis

80

100

9

20

40

60

Age at diagnosis

80

100

iClust 5: N = 191 iClust 6: N = 86 RUNX3|ILMN_1787461 (non-ER binding) RUNX3|ILMN_1787461 (non-ER binding) [<=60] p = 0.85192No detectable trend: [<=60] p = 0.097962No detectable trend: 16 16 [>60] p = 0.27314 [>60] p = 0.45811 |FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.25088[AII] p = 0.290214 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 = 300 RUNX3|ILMN_1787461 (non-ER binding) RUNX3|ILMN_1787461 (non-ER binding) [<=60] p = 0.95534No detectable trend: [<=60] p = 0.64707No detectable trend: 16 16 [>60] p = 0.54119 |FC|<2 or adjPval>0.01 [>60] p = 0.028161 |FC|<2 or adjPval>0.01 [AII] p = 0.5167[AII] p = 0.00944314 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 RUNX3|ILMN_1787461 (non-ER binding)

iClust 10: N = 226 RUNX3|ILMN_1787461 (non-ER binding)

