iClust 1: N = 140 iClust 2: N = 72 RPS4X|ILMN_2166831 (non-ER binding) RPS4X|ILMN_2166831 (non-ER binding) [<=60] p = 0.18983No detectable trend: [<=60] p = 0.54412No detectable trend: 16 16 [>60] p = 0.45656[>60] p = 0.9157 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.085559[AII] p = 0.961284 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 9 9 20 40 60 80 20 40 60 80 100 100 Age at diagnosis Age at diagnosis iClust 3: N = 294 iClust 4: N = 344 RPS4X|ILMN_2166831 (non-ER binding) RPS4X|ILMN_2166831 (non-ER binding) [<=60] p = 0.0033173 No detectable trend: [<=60] p = 0.012391No detectable trend: 16 16 [>60] p = 0.0056167 |FC|<1.25 or adjPval>0.01 [>60] p = 0.33325 |FC|<1.25 or adjPval>0.01 [AII] p = 4.6512e - 09[AII] p = 1.5032e - 054 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 5: N = 191 iClust 6: N = 86 RPS4X|ILMN_2166831 (non-ER binding) RPS4X|ILMN_2166831 (non-ER binding) [<=60] p = 0.03388No detectable trend: [<=60] p = 0.69466No detectable trend: 16 16 [>60] p = 0.010782 [>60] p = 0.99732|FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.065224[AII] p = 0.349094 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω ω 9 9 20 40 60 80 20 40 60 80 100 100 Age at diagnosis Age at diagnosis iClust 7: N = 193 iClust 8: N = 300 RPS4X|ILMN_2166831 (non-ER binding) RPS4X|ILMN_2166831 (non-ER binding) [<=60] p = 0.38766[<=60] p = 0.042477No detectable trend: No detectable trend: 16 16 [>60] p = 0.59437 [>60] p = 0.01004|FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.025242[AII] p = 3.3264e - 064 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 RPS4X|ILMN_2166831 (non-ER binding)

iClust 10: N = 226 RPS4X|ILMN_2166831 (non-ER binding)

