iClust 1: N = 140 iClust 2: N = 72 IKK-beta/IKK2|ILMN_1727142 (ER binding) IKK-beta/IKK2|ILMN_1727142 (ER binding) [<=60] p = 0.15553 No detectable trend: [<=60] p = 0.32842No detectable trend: 16 16 [>60] p = 0.92687 [>60] p = 0.46859|FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.013331[AII] p = 0.626314 4 Raw Expression (4, 16) 12 12 10 10 ω 9 9 20 40 60 80 100 20 40 60 80 Age at diagnosis Age at diagnosis

Raw Expression (4, 16)

100 iClust 3: N = 294 iClust 4: N = 344 IKK-beta/IKK2|ILMN_1727142 (ER binding) IKK-beta/IKK2|ILMN_1727142 (ER binding) [<=60] p = 0.38327No detectable trend: [<=60] p = 0.7493No detectable trend: 16 16 [>60] p = 0.98906|FC|<2 or adjPval>0.01 [>60] p = 0.0018306 |FC|<2 or adjPval>0.01 [AII] p = 0.010097[All] p = 0.18524 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 5: N = 191 iClust 6: N = 86 IKK-beta/IKK2|ILMN_1727142 (ER binding) IKK-beta/IKK2|ILMN_1727142 (ER binding) [<=60] p = 0.12644No detectable trend: [<=60] p = 0.62696No detectable trend: 16 16 [>60] p = 0.26648[>60] p = 0.1473 |FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.0034518[AII] p = 0.0075064 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 IKK-beta/IKK2|ILMN_1727142 (ER binding) IKK-beta/IKK2|ILMN_1727142 (ER binding) [<=60] p = 0.013261No detectable trend: [<=60] p = 0.98007No detectable trend: 16 16 [>60] p = 0.9128 |FC|<2 or adjPval>0.01 [>60] p = 0.77024 |FC|<2 or adjPval>0.01 [AII] p = 0.041058[AII] p = 0.0920424 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 IKK-beta/IKK2|ILMN_1727142 (ER binding)

iClust 10: N = 226 IKK-beta/IKK2|ILMN_1727142 (ER binding)

