iClust 1: N = 140 iClust 2: N = 72 IKK-beta/IKK2|ILMN_2172588 (ER binding) IKK-beta/IKK2|ILMN_2172588 (ER binding) [<=60] p = 0.28366No detectable trend: [<=60] p = 0.48985No detectable trend: 16 16 [>60] p = 0.70985[>60] p = 0.7334|FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.74784[AII] p = 0.857964 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ∞ ∞ 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 IKK-beta/IKK2|ILMN_2172588 (ER binding) IKK-beta/IKK2|ILMN_2172588 (ER binding) [<=60] p = 0.69449[<=60] p = 0.46583No detectable trend: No detectable trend: 16 16 [>60] p = 0.86332|FC|<4 or adjPval>0.01 [>60] p = 0.16158 |FC|<4 or adjPval>0.01 [All] p = 0.29847[AII] p = 0.819914 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 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_2172588 (ER binding) IKK-beta/IKK2|ILMN_2172588 (ER binding) [<=60] p = 0.55651 No detectable trend: [<=60] p = 0.57201No detectable trend: 16 16 [>60] p = 0.13314 [>60] p = 0.84527 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.78909[AII] p = 0.192894 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ∞ ∞ 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_2172588 (ER binding) IKK-beta/IKK2|ILMN_2172588 (ER binding) [<=60] p = 0.31164No detectable trend: [<=60] p = 0.76049No detectable trend: 16 16 [>60] p = 0.93952|FC|<4 or adjPval>0.01 [>60] p = 0.34824|FC|<4 or adjPval>0.01 [All] p = 0.34236[AII] p = 0.0960284 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 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_2172588 (ER binding)

iClust 10: N = 226 IKK-beta/IKK2|ILMN_2172588 (ER binding)

