iClust 1: N = 140 iClust 2: N = 72 INPP4B|ILMN\_2198878 (non-ER binding) INPP4B|ILMN\_2198878 (non-ER binding) [<=60] p = 0.24525No detectable trend: [<=60] p = 0.33111No detectable trend: 16 16 [>60] p = 0.079933[>60] p = 0.045214 |FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.81343[AII] p = 0.901924 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 INPP4B|ILMN\_2198878 (non-ER binding) INPP4B|ILMN\_2198878 (non-ER binding) [<=60] p = 0.70599No detectable trend: [<=60] p = 0.33604No detectable trend: 16 16 [>60] p = 0.19806|FC|<2 or adjPval>0.01 [>60] p = 0.1267 |FC|<2 or adjPval>0.01 [AII] p = 0.057655[AII] p = 0.364614 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 INPP4B|ILMN\_2198878 (non-ER binding) INPP4B|ILMN\_2198878 (non-ER binding) [<=60] p = 0.58454No detectable trend: [<=60] p = 0.027402No detectable trend: 16 16 [>60] p = 0.85688[>60] p = 0.056239|FC|<2 or adjPval>0.01 |FC|<2 or adjPval>0.01 [AII] p = 0.10925[AII] p = 0.410374 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 INPP4B|ILMN\_2198878 (non-ER binding) INPP4B|ILMN\_2198878 (non-ER binding) [<=60] p = 0.77531No detectable trend: [<=60] p = 0.38811No detectable trend: 16 16 [>60] p = 0.92255|FC|<2 or adjPval>0.01 [>60] p = 0.91241 |FC|<2 or adjPval>0.01 [AII] p = 0.86825[AII] p = 0.338314 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 INPP4B|ILMN\_2198878 (non-ER binding)

iClust 10: N = 226 INPP4B|ILMN\_2198878 (non-ER binding)

