iClust 1: N = 140 iClust 2: N = 72 ENPP4|ILMN\_1781761 (non-ER binding) ENPP4|ILMN\_1781761 (non-ER binding) [<=60] p = 0.74623No detectable trend: [<=60] p = 0.93848No detectable trend: 16 16 [>60] p = 0.080602 [>60] p = 0.028806|FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.10609[AII] p = 0.217224 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 ENPP4|ILMN\_1781761 (non-ER binding) ENPP4|ILMN\_1781761 (non-ER binding) [<=60] p = 0.036555[<=60] p = 0.0082604No detectable trend: No detectable trend: 16 16 [>60] p = 0.00055055 |FC|<1.25 or adjPval>0.01 [>60] p = 0.09331|FC|<1.25 or adjPval>0.01 [AII] p = 7.7312e - 11[AII] p = 2.4082e - 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 5: N = 191 iClust 6: N = 86 ENPP4|ILMN\_1781761 (non-ER binding) ENPP4|ILMN\_1781761 (non-ER binding) [<=60] p = 0.91155 No detectable trend: [<=60] p = 0.93212No detectable trend: 16 16 [>60] p = 0.10481 [>60] p = 0.51417 |FC|<1.25 or adjPval>0.01 |FC|<1.25 or adjPval>0.01 [AII] p = 0.0051021[AII] p = 0.187824 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 ENPP4|ILMN\_1781761 (non-ER binding) ENPP4|ILMN\_1781761 (non-ER binding) [<=60] p = 0.15024No detectable trend: [<=60] p = 0.23322No detectable trend: 16 16 [>60] p = 0.94517|FC|<1.25 or adjPval>0.01 [>60] p = 0.063078|FC|<1.25 or adjPval>0.01 [AII] p = 0.60462[AII] p = 1.5618e - 064 4 Raw Expression (4, 16) Raw Expression (4, 16) 12 12 10 10 ω  $\infty$ 9 9 20 40 60 80 100 20 40 60 80 100 Age at diagnosis Age at diagnosis

iClust 9: N = 146 ENPP4|ILMN\_1781761 (non-ER binding)

iClust 10: N = 226 ENPP4|ILMN\_1781761 (non-ER binding)

