iClust 1: N = 140 iClust 2: N = 72 KIT|ILMN_1790160 KIT|ILMN_1790160 NKI Tier 1: non-ER binding; Tier 2: non-ER bindi NKI Tier 1: non-ER binding; Tier 2: non-ER bindi [<=60] p = 0.21562 [<=60] p = 0.64469No detectable trend: No detectable trend: 16 16 [>60] p = 0.36257 [>60] p = 0.64156|FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.008113[AII] p = 0.0671524 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 4: N = 344 iClust 3: N = 294KIT|ILMN_1790160 KIT|ILMN_1790160

NKI Tier 1: non-ER binding; Tier 2: non-ER bindi NKI Tier 1: non-ER binding; Tier 2: non-ER bindi Age-dependent trend: [<=60] p = 0.42653No detectable trend: [<=60] p = 0.05421216 9 [>60] p = 0.0013383 [>60] p = 0.1319 |FC|<4 or adjPval>0.01 |FC|>4 and adjPval<0.01 [AII] p = 2.0006e-06[AII] p = 1.6912e - 084 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 = 86KIT|ILMN_1790160 KIT|ILMN_1790160 NKI Tier 1: non-ER binding; Tier 2: non-ER bindi NKI Tier 1: non-ER binding; Tier 2: non-ER bindi [<=60] p = 0.65488 [<=60] p = 0.18179No detectable trend: No detectable trend: 16 16 [>60] p = 0.76667 [>60] p = 0.20156 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 0.077087[AII] p = 0.00501924 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 KIT|ILMN_1790160 KIT|ILMN_1790160 NKI Tier 1: non-ER binding; Tier 2: non-ER bindi NKI Tier 1: non-ER binding; Tier 2: non-ER bindi [<=60] p = 0.38336[<=60] p = 0.13965No detectable trend: No detectable trend: 16 9 [>60] p = 0.0025827 [>60] p = 0.0037601 |FC|<4 or adjPval>0.01 |FC|<4 or adjPval>0.01 [AII] p = 5.1622e - 05[AII] p = 3.6324e - 064 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 KIT|ILMN_1790160 iClust 10: N = 226 KIT|ILMN_1790160

NKI Tier 1: non-ER binding; Tier 2: non-ER bindi NKI Tier 1: non-ER binding; Tier 2: non-ER bindi

