

Supplemental Table 1. The Gene List for the Ion Torrent AmpliSeq Cancer Panel (A) and List of customized NanoString CNV codeset (B)

(A)

BRAF HRAS KRAS NRAS FGFR1 ERBB2 MET FGFR3 PDGFRA PIK3CA FLT3 RB1 CSF1R RET SMARCB1 KIT SRC PTEN CTNNB1 EGFR TP53 CDKN2A ABL1 JAK2 NOTCH1 ATM ERBB4 STK11 PTPN11 APC SMO SMAD4 VHL NPM1 MPL CDH1 KDR HNF1A FBXW7 MLH1 GNAS ALK IDH1 JAK3 FGFR2 AKT1
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(B)

NanoString CNV codeset		
Gene Name	Genome Build	Genomic Coordinates
CCND1	Hg18	chr11:69166461-69166560
CCND1	Hg18	chr11:69170198-69170280
CCND1	Hg18	chr11:69173802-69173877
CCNE1	Hg18	chr19:34996365-34996462
CCNE1	Hg18	chr19:35000303-35000396
CCNE1	Hg18	chr19:35005181-35005262
KRAS	Hg18	chr12:25261832-25261919
KRAS	Hg18	chr12:25275152-25275241
KRAS	Hg18	chr12:25285835-25285922

PIK3CA	Hg18	chr3:180415123-180415222
PIK3CA	Hg18	chr3:180423950-180424049
PIK3CA	Hg18	chr3:180432391-180432478
MET	Hg18	chr7:116136002-116136089
MET	Hg18	chr7:116160904-116161003
MET	Hg18	chr7:116214262-116214361
FGFR1	Hg18	chr8:38393783-38393874
FGFR1	Hg18	chr8:38413246-38413333
FGFR1	Hg18	chr8:38432656-38432745
FGFR2	Hg18	chr10:123248163-123248262
FGFR2	Hg18	chr10:123290793-123290892
FGFR2	Hg18	chr10:123325834-123325907
MDM2	Hg18	chr12:67498111-67498194
MDM2	Hg18	chr12:67504615-67504714
MDM2	Hg18	chr12:67518205-67518304
AURKA	Hg18	chr20:54380758-54380852
AURKA	Hg18	chr20:54387730-54387829
AURKA	Hg18	chr20:54395073-54395172
CDK4	Hg18	chr12:56428625-56428714
CDK4	Hg18	chr12:56430637-56430731
CDK4	Hg18	chr12:56430858-56430945
CDK6	Hg18	chr7:92102617-92102714
CDK6	Hg18	chr7:92192438-92192525
CDK6	Hg18	chr7:92279486-92279585
CDKN1A	Hg18	chr6:36760296-36760371
CDKN1A	Hg18	chr6:36760902-36760995
CDKN1A	Hg18	chr6:36761312-36761391
CDKN2A	Hg18	chr9:21963369-21963468
CDKN2A	Hg18	chr9:21964186-21964285
CDKN2A	Hg18	chr9:21965829-21965928
EGFR	Hg18	chr7:55072102-55072181
EGFR	Hg18	chr7:55130363-55130434
EGFR	Hg18	chr7:55188580-55188673
ERBB2	Hg18	chr17:35112859-35112934
ERBB2	Hg18	chr17:35124948-35125029
ERBB2	Hg18	chr17:35135268-35135347
ERBB3	Hg18	chr12:54764300-54764394
ERBB3	Hg18	chr12:54771042-54771141
ERBB3	Hg18	chr12:54778487-54778586

IGF1R	Hg18	chr15:97040030-97040129
IGF1R	Hg18	chr15:97164717-97164804
IGF1R	Hg18	chr15:97284983-97285082
KLF5	Hg18	chr13:72534198-72534277
KLF5	Hg18	chr13:72539794-72539893
KLF5	Hg18	chr13:72546812-72546911
MITF	Hg18	chr3:69914121-69914220
MITF	Hg18	chr3:69997161-69997260
MITF	Hg18	chr3:70077697-70077786
MYC	Hg18	chr8:128818714-128818790
MYC	Hg18	chr8:128820773-128820868
MYC	Hg18	chr8:128821228-128821321
TNIK	Hg18	chr3:172563186-172563285
TNIK	Hg18	chr3:172603694-172603790
TNIK	Hg18	chr3:172643608-172643707

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