

Regions Sequenced in Lung Cancer NGS Panel

Name_Exon_Gene Bank Accession#	Chromosome	Chromosome Start	Chromosome End
AKT1_Exon14_NM001014431	chr14	105236676	105236759
AKT1_Exon13_NM005163	chr14	105237080	105237186
AKT1_Exon12_NM005163	chr14	105238700	105238791
AKT1_Exon11_NM005163	chr14	105239213	105239431
AKT1_Exon10_NM005163	chr14	105239586	105239718
AKT1_Exon9_NM005163	chr14	105239790	105239919
AKT1_Exon8_NM005163	chr14	105240247	105240319
AKT1_Exon7_NM005163	chr14	105241273	105241342
AKT1_Exon6_NM005163	chr14	105241411	105241546
AKT1_Exon5_NM005163	chr14	105241987	105242138
AKT1_Exon4_NM005163	chr14	105242994	105243109
AKT1_Exon3_NM005163	chr14	105246423	105246555
AKT1_Exon2_NM001014431	chr14	105258933	105258982
ALK_Exon29_NM004304	chr2	29416088	29416790
ALK_Exon28_NM004304	chr2	29419634	29419728
ALK_Exon27_NM004304	chr2	29420406	29420544
ALK_Intron26_Amp1	chr2	29427673	29427812
ALK_Exon26_NM004304	chr2	29430035	29430140
ALK_Exon25_NM004304	chr2	29432650	29432746
ALK_Exon24_NM004304	chr2	29436848	29436949
ALK_Exon23_NM004304	chr2	29443570	29443703
ALK_Exon22_NM004304	chr2	29445208	29445276
ALK_Intron21_Fusion1	chr2	29445275	29445382
ALK_Exon21_NM004304	chr2	29445381	29445475
ALK_Intron20_Fusion1	chr2	29445474	29446207
ALK_Exon20_NM004304	chr2	29446206	29446396
ALK_Intron19_Fusion1	chr2	29446395	29448326
ALK_Exon19_NM004304	chr2	29448325	29448433
ALK_Intron18_Fusion1	chr2	29448432	29449787
ALK_Exon18_NM004304	chr2	29449786	29449942
ALK_Exon17_NM004304	chr2	29450438	29450540
ALK_Exon16_NM004304	chr2	29451748	29451934
ALK_Exon15_NM004304	chr2	29455168	29455316
ALK_Exon14_NM004304	chr2	29456429	29456564
ALK_Exon13_NM004304	chr2	29462544	29462698
ALK_Exon12_NM004304	chr2	29473969	29474135
ALK_Intron11_Amp1	chr2	29490264	29490403
ALK_Exon11_NM004304	chr2	29497963	29498095
ALK_Exon10_NM004304	chr2	29498266	29498364
ALK_Exon9_NM004304	chr2	29519752	29519925
ALK_Exon8_NM004304	chr2	29541168	29541272
ALK_Exon7_NM004304	chr2	29543615	29543750
ALK_Exon6_NM004304	chr2	29551214	29551349
ALK_Exon5_NM004304	chr2	29606596	29606727
ALK_Intron4_Amp1	chr2	29640856	29640995

ALK_Intron4_Amp2	chr2	29670856	29670995
ALK_Intron4_Amp3	chr2	29733856	29733995
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ALK_Exon3_NM004304	chr2	29917714	29917882
ALK_Exon2_NM004304	chr2	29940442	29940565
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ALK_Intron1_Amp2	chr2	30131694	30131833
ALK_Intron1_Amp3	chr2	30134694	30134833
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BRAF_Exon16_NM004333	chr7	140449085	140449220
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BRAF_Exon12_NM004333	chr7	140477789	140477877
BRAF_Exon11_NM004333	chr7	140481374	140481495
BRAF_Exon10_NM004333	chr7	140482819	140482959
BRAF_Exon9_NM004333	chr7	140487346	140487386
BRAF_Intron8_Fusion1	chr7	140487385	140494107
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BRAF_Intron7_Amp2	chr7	140497398	140497537
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BRAF_Exon6_NM004333	chr7	140501210	140501362
BRAF_Intron5_Amp1	chr7	140505491	140505630
BRAF_Exon5_NM004333	chr7	140507758	140507864
BRAF_Exon4_NM004333	chr7	140508690	140508797
BRAF_Intron3_Amp1	chr7	140526926	140527065
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DDR2_Exon15_NM006182	chr1	162745440	162745635
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DDR2_Exon18_NM006182	chr1	162749900	162750038
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EGFR_Intron1_Amp4	chr7	55184724	55184863
EGFR_Intron1_Amp5	chr7	55195724	55195863
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EGFR_Exon3_NM005228	chr7	55210996	55211183
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EGFR_Exon6_NM005228	chr7	55220237	55220359
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EGFR_Exon15_NM005228	chr7	55232971	55233132
EGFR_Exon16_Fusion1	chr7	55233129	55236218
EGFR_Exon16_NM201282	chr7	55236214	55236330

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EGFR_Exon16_NM201284	chr7	55237998	55238740
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ERBB2_Exon6_NM004448	chr17	37866337	37866456
ERBB2_Exon7_NM004448	chr17	37866591	37866736
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ERBB2_Exon19_NM004448	chr17	37880163	37880265
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ERBB2_Exon21_NM004448	chr17	37881300	37881459
ERBB2_Exon22_NM004448	chr17	37881578	37881657
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ERBB2_Exon24_NM004448	chr17	37882813	37882914
ERBB2_Exon25_NM004448	chr17	37883066	37883258
ERBB2_Exon26_NM004448	chr17	37883546	37883802
ERBB2_Exon27_NM004448	chr17	37883940	37884299
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FGFR1_Exon17_NM001174066	chr8	38271144	38271324
FGFR1_Exon18_NM001174067	chr8	38271434	38271543
FGFR1_Exon17_NM001174067	chr8	38271668	38271809
FGFR1_Exon16_NM001174067	chr8	38272075	38272149
FGFR1_Exon15_NM001174067	chr8	38272295	38272421
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FGFR1_Exon11_NM001174067	chr8	38275744	38275893
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FGFR1_Intron4_Amp1	chr8	38283894	38284033
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FGFR1_Intron2_Amp1	chr8	38287597	38287736
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FGFR1_Intron2_Amp3	chr8	38289597	38289736
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FGFR1_Intron2_Amp6	chr8	38306022	38306161
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FGFR1_Exon3_NM001174067	chr8	38314872	38315054
FGFR1_Intron2_Amp10	chr8	38316183	38316322
FGFR1_Exon2_NM001174067	chr8	38318612	38318626
FGFR1_Intron1_Amp1	chr8	38319183	38319322

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FGFR1_Exon1_Amp1	chr8	38326181	38326324
FGFR3_Flanking1_Amp1	chr4	1793038	1793177
FGFR3_Flanking2_Amp1	chr4	1793938	1794077
FGFR3_Flanking3_Amp1	chr4	1794538	1794677
FGFR3_Exon2_NM000142	chr4	1795660	1795772
FGFR3_Intron2_Amp1	chr4	1797101	1797240
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FGFR3_Intron2_Amp4	chr4	1799201	1799340
FGFR3_Intron2_Amp5	chr4	1799501	1799640
FGFR3_Intron2_Amp6	chr4	1799801	1799940
FGFR3_Exon3_NM001163213	chr4	1800979	1801252
FGFR3_Exon4_NM001163213	chr4	1801472	1801541
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FGFR3_Exon7_NM001163213	chr4	1803560	1803754
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FGFR3_Flanking4_Amp1	chr4	1812420	1812559
HRAS_Exon5_NM001130442	chr11	532634	532757
HRAS_Exon5_NM176795	chr11	533275	533360
HRAS_Exon4_NM005343	chr11	533451	533614
HRAS_Exon3_NM005343	chr11	533764	533946
HRAS_Exon2_NM001130442	chr11	534210	534324
KRAS_Exon5_Amp1	chr12	25359177	25359320
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KRAS_Exon5_NM004985	chr12	25362727	25362847
KRAS_Intron5_Amp1	chr12	25363977	25364115
KRAS_Intron5_Amp2	chr12	25364977	25365115
KRAS_Intron5_Amp3	chr12	25366977	25367115
KRAS_Exon5_NM033360	chr12	25368369	25368496

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KRAS_Intron4_Amp6	chr12	25372895	25373034
KRAS_Intron4_Amp7	chr12	25374126	25374264
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KRAS_Exon3_NM033360	chr12	25380166	25380348
KRAS_Intron2_Amp1	chr12	25380478	25380616
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KRAS_Intron2_Amp4	chr12	25389478	25389616
KRAS_Intron2_Amp5	chr12	25389747	25389886
KRAS_Intron2_Amp6	chr12	25390747	25390886
KRAS_Intron2_Amp7	chr12	25392978	25393116
KRAS_Intron2_Amp8	chr12	25393247	25393386
KRAS_Intron2_Amp9	chr12	25394247	25394386
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KRAS_Intron1_Amp2	chr12	25400950	25401088
KRAS_Intron1_Amp3	chr12	25401219	25401358
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MAP2K1_Exon2_NM002755	chr15	66727363	66727577
MAP2K1_Exon3_NM002755	chr15	66729082	66729232
MAP2K1_Exon4_NM002755	chr15	66735616	66735697
MAP2K1_Exon6_NM002755	chr15	66774091	66774219
MAP2K1_Exon7_NM002755	chr15	66777326	66777531
MAP2K1_Exon8_NM002755	chr15	66779564	66779632
MAP2K1_Exon9_NM002755	chr15	66781551	66781616
MAP2K1_Exon10_NM002755	chr15	66782054	66782103
MAP2K1_Exon11_NM002755	chr15	66782838	66782955
MET_Exon2_NM000245	chr7	116339137	116340340
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MET_Intron2_Amp2	chr7	116352469	116352608
MET_Intron2_Amp3	chr7	116368469	116368608
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MET_Exon4_NM001127500	chr7	116380002	116380140
MET_Exon5_NM001127500	chr7	116380904	116381081
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MET_Intron11_Amp1	chr7	116405453	116405592
MET_Intron11_Amp2	chr7	116407453	116407592
MET_Exon12_NM001127500	chr7	116409697	116409847
MET_Exon13_NM001127500	chr7	116411550	116411710
MET_Intron13_Splice1	chr7	116411709	116411902
MET_Exon14_NM001127500	chr7	116411901	116412045
MET_Intron14_Splice1	chr7	116412044	116412200
MET_Intron14_Amp1	chr7	116413174	116413313
MET_Exon15_NM001127500	chr7	116414933	116415167
MET_Exon16_NM001127500	chr7	116417441	116417525
MET_Intron16_Amp1	chr7	116418654	116418793
MET_Exon17_NM001127500	chr7	116418828	116419013
MET_Exon18_NM001127500	chr7	116422040	116422153
MET_Exon19_NM001127500	chr7	116423356	116423525
MET_Intron19_Amp1	chr7	116425654	116425793
MET_Intron19_Amp2	chr7	116428654	116428793
MET_Exon20_NM001127500	chr7	116435707	116435847
MET_Exon21_NM000245	chr7	116435939	116436180
MLH1_Exon1_NM000249	chr3	37035037	37035156
MLH1_Exon1_NM001167617	chr3	37035266	37035383
MLH1_Exon2_NM000249	chr3	37038108	37038202
MLH1_Exon3_NM001258274	chr3	37038645	37038793
MLH1_Exon3_NM000249	chr3	37042444	37042546
MLH1_Exon4_NM000249	chr3	37045890	37045967
MLH1_Exon5_NM000249	chr3	37048480	37048556
MLH1_Exon6_NM000249	chr3	37050303	37050398
MLH1_Exon7_NM000249	chr3	37053309	37053355
MLH1_Exon8_NM000249	chr3	37053500	37053592
MLH1_Exon9_NM000249	chr3	37055921	37056037
MLH1_Exon10_NM000249	chr3	37058995	37059092
MLH1_Exon11_NM000249	chr3	37061799	37061956
MLH1_Exon12_NM000249	chr3	37067126	37067500
MLH1_Exon13_NM000249	chr3	37070273	37070425
MLH1_Exon14_NM000249	chr3	37081675	37081787
MLH1_Exon15_NM000249	chr3	37083757	37083824
MLH1_Exon16_NM000249	chr3	37089008	37089176
MLH1_Exon17_NM000249	chr3	37090006	37090102
MLH1_Exon18_NM000249	chr3	37090393	37090510
MLH1_Exon17_NM001258271	chr3	37091975	37092146
MSH2_Exon1_NM000251	chr2	47630329	47630543
MSH2_Exon2_NM000251	chr2	47635538	47635696
MSH2_Exon3_NM000251	chr2	47637231	47637513
MSH2_Exon4_NM000251	chr2	47639551	47639701
MSI_MSH2_intron5	chr2	47641400	47641746
MSH2_Exon6_NM000251	chr2	47643433	47643570

MSH2_Exon7_NM000251	chr2	47656879	47657082
MSH2_Exon8_NM000251	chr2	47672685	47672798
MSH2_Exon9_NM000251	chr2	47690168	47690295
MSH2_Exon10_NM000251	chr2	47693795	47693949
MSH2_Exon11_NM000251	chr2	47698102	47698203
MSH2_Exon12_NM000251	chr2	47702162	47702411
MSH2_Exon13_NM000251	chr2	47703504	47703712
MSH2_Exon14_NM000251	chr2	47705409	47705660
MSH2_Exon15_NM000251	chr2	47707833	47708012
MSH2_Exon16_NM000251	chr2	47709916	47710090
MSH6_Exon1_NM000179	chr2	48010371	48010634
MSH6_Exon1_NM001281494	chr2	48011092	48011246
MSH6_Exon2_NM000179	chr2	48018064	48018264
MSH6_Exon3_NM000179	chr2	48023031	48023204
MSH6_Exon4_NM000179	chr2	48025748	48028296
MSH6_Exon5_NM000179	chr2	48030557	48030826
MSH6_Exon6_NM000179	chr2	48032047	48032168
MSH6_Exon7_NM000179	chr2	48032755	48032848
MSH6_Exon8_NM000179	chr2	48033341	48033499
MSH6_Exon9_NM000179	chr2	48033589	48033792
MSH6_Exon10_NM000179	chr2	48033916	48034001
NRAS_Flanking1_Amp1	chr1	115245084	115245223
NRAS_Flanking2_Amp1	chr1	115246284	115246423
NRAS_Exon7_Amp1	chr1	115248583	115248725
NRAS_Exon7_Amp2	chr1	115249083	115249225
NRAS_Exon7_Amp3	chr1	115249652	115249795
NRAS_Exon7_Amp4	chr1	115250083	115250225
NRAS_Exon7_Amp5	chr1	115250583	115250725
NRAS_Exon5_NM002524	chr1	115251154	115251277
NRAS_Intron4_Amp1	chr1	115251407	115251545
NRAS_Intron4_Amp2	chr1	115251976	115252115
NRAS_Exon4_NM002524	chr1	115252188	115252351
NRAS_Intron3_Amp1	chr1	115252981	115253119
NRAS_Intron3_Amp2	chr1	115253481	115253619
NRAS_Intron3_Amp3	chr1	115253981	115254119
NRAS_Intron3_Amp4	chr1	115254481	115254619
NRAS_Intron3_Amp5	chr1	115254750	115254889
NRAS_Intron3_Amp6	chr1	115255350	115255619
NRAS_Intron3_Amp7	chr1	115255981	115256119
NRAS_Exon3_NM002524	chr1	115256419	115256601
NRAS_Intron2_Amp1	chr1	115256731	115256869
NRAS_Intron2_Amp2	chr1	115257231	115257369
NRAS_Intron2_Amp3	chr1	115257500	115257639
NRAS_Intron2_Amp4	chr1	115258231	115258369
NRAS_Exon2_NM002524	chr1	115258669	115258783
NRAS_Intron1_Amp1	chr1	115258913	115259051
NRAS_Exon1_Amp1	chr1	115259411	115259553

NRAS_Flanking3_Amp1	chr1	115260282	115260421
NRAS_Flanking4_Amp1	chr1	115260882	115261021
NRAS_Flanking5_Amp1	chr1	115261482	115261621
NTRK1_Exon1_NM001007792	chr1	156785620	156785632
NTRK1_Exon2_NM001007792	chr1	156811871	156811987
NTRK1_Exon1_NM002529	chr1	156830669	156830940
NTRK1_Exon2_NM002529	chr1	156834144	156834222
NTRK1_Exon3_NM002529	chr1	156834518	156834593
NTRK1_Exon4_NM002529	chr1	156836700	156836772
NTRK1_Exon5_NM002529	chr1	156837894	156838043
NTRK1_Exon6_NM002529	chr1	156838295	156838441
NTRK1_Exon7_NM002529	chr1	156841413	156841549
NTRK1_Intron7_Fusion1	chr1	156841548	156843424
NTRK1_Exon8_NM002529	chr1	156843423	156843753
NTRK1_Exon9_NM002529	chr1	156844173	156844194
NTRK1_Intron9_Fusion1	chr1	156844193	156844362
NTRK1_Exon10_NM002529	chr1	156844361	156844420
NTRK1_Intron10_Fusion1	chr1	156844419	156844697
NTRK1_Exon11_NM002529	chr1	156844696	156844802
NTRK1_Intron10_Fusion2	chr1	156844801	156845311
NTRK1_Exon12_NM002529	chr1	156845310	156845460
NTRK1_Intron11_Fusion1	chr1	156845459	156845871
NTRK1_Exon13_NM002529	chr1	156845870	156846004
NTRK1_Exon14_NM002529	chr1	156846190	156846366
NTRK1_Exon15_NM002529	chr1	156848912	156849156
NTRK1_Exon16_NM002529	chr1	156849789	156849951
NTRK1_Exon16_NM001012331	chr1	156851247	156851436
NTRK2_Exon1_NM006180	chr9	87283371	87283702
NTRK2_Exon2_NM006180	chr9	87284215	87284340
NTRK2_Exon3_NM006180	chr9	87284593	87284805
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NTRK2_Exon6_NM006180	chr9	87317261	87317336
NTRK2_Exon7_NM006180	chr9	87322757	87322829
NTRK2_Exon8_NM006180	chr9	87325550	87325708
NTRK2_Exon9_NM006180	chr9	87338486	87338626
NTRK2_Exon10_NM006180	chr9	87339137	87339273
NTRK2_Exon11_NM006180	chr9	87342567	87342876
NTRK2_Exon12_NM006180	chr9	87356805	87356844
NTRK2_Intron12_NM006180	chr9	87356843	87359887
NTRK2_Exon13_NM006180	chr9	87359886	87359990
NTRK2_Exon14_NM006180	chr9	87366899	87367002
NTRK2_Exon13_NM001007097	chr9	87425455	87430625
NTRK2_Exon15_NM006180	chr9	87475953	87476004
NTRK2_Intron15_NM006180	chr9	87476003	87482157
NTRK2_Exon16_NM006180	chr9	87482156	87482348
NTRK2_Exon14_NM001018066	chr9	87486702	87492815

NTRK2_Exon17_NM006180	chr9	87549075	87549209
NTRK2_Exon18_NM006180	chr9	87563375	87563551
NTRK2_Exon19_NM006180	chr9	87570196	87570434
NTRK2_Exon20_NM006180	chr9	87635119	87635281
NTRK2_Exon21_NM006180	chr9	87636165	87641987
NTRK3_Exon20_NM001012338	chr15	88419986	88420353
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NTRK3_Exon17_NM001012338	chr15	88472420	88472667
NTRK3_Exon16_NM001012338	chr15	88476241	88476417
NTRK3_Exon15_NM001012338	chr15	88483852	88483986
NTRK3_Exon16_NM001007156	chr15	88520594	88522696
NTRK3_Exon15_NM001007156	chr15	88524455	88524593
NTRK3_Exon14_NM001012338	chr15	88576086	88576278
NTRK3_Exon13_NM001012338	chr15	88669500	88669606
NTRK3_Exon12_NM001012338	chr15	88670391	88670459
NTRK3_Exon11_NM001012338	chr15	88671940	88671967
NTRK3_Exon10_NM001012338	chr15	88678330	88678630
NTRK3_Exon9_NM001012338	chr15	88679128	88679273
NTRK3_Exon8_NM001012338	chr15	88679696	88679842
NTRK3_Exon7_NM001012338	chr15	88680633	88680794
NTRK3_Exon6_NM001012338	chr15	88690564	88690636
NTRK3_Exon5_NM001012338	chr15	88726647	88726722
NTRK3_Exon4_NM001012338	chr15	88727454	88727532
NTRK3_Exon3_NM001012338	chr15	88799135	88799401
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PIK3CA_Exon1_Amp1	chr3	178866308	178866451
PIK3CA_Intron1_Amp1	chr3	178868310	178868449
PIK3CA_Intron1_Amp2	chr3	178869310	178869449
PIK3CA_Intron1_Amp3	chr3	178871310	178871449
PIK3CA_Intron1_Amp4	chr3	178876310	178876449
PIK3CA_Intron1_Amp5	chr3	178883310	178883449
PIK3CA_Intron1_Amp6	chr3	178884310	178884449
PIK3CA_Intron1_Amp7	chr3	178888310	178888449
PIK3CA_Intron1_Amp8	chr3	178891310	178891449
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PIK3CA_Intron1_Amp11	chr3	178896310	178896449
PIK3CA_Intron1_Amp12	chr3	178903310	178903449
PIK3CA_Intron1_Amp13	chr3	178912310	178912449
PIK3CA_Exon2_NM006218	chr3	178916612	178916967
PIK3CA_Exon3_NM006218	chr3	178917476	178917689
PIK3CA_Exon4_NM006218	chr3	178919076	178919330
PIK3CA_Exon5_NM006218	chr3	178921330	178921579
PIK3CA_Exon6_NM006218	chr3	178922289	178922378
PIK3CA_Exon7_NM006218	chr3	178927381	178927490

PIK3CA_Exon8_NM006218	chr3	178927972	178928128
PIK3CA_Exon9_NM006218	chr3	178928217	178928355
PIK3CA_Intron9_Amp1	chr3	178928484	178928623
PIK3CA_Intron9_Amp2	chr3	178929484	178929623
PIK3CA_Exon10_NM006218	chr3	178935996	178936124
PIK3CA_Exon11_NM006218	chr3	178936982	178937067
PIK3CA_Exon12_NM006218	chr3	178937357	178937525
PIK3CA_Exon13_NM006218	chr3	178937735	178937842
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PIK3CA_Exon15_NM006218	chr3	178941867	178941977
PIK3CA_Exon16_NM006218	chr3	178942486	178942611
PIK3CA_Exon17_NM006218	chr3	178943748	178943830
PIK3CA_Exon18_NM006218	chr3	178947058	178947232
PIK3CA_Exon19_NM006218	chr3	178947790	178947911
PIK3CA_Exon20_NM006218	chr3	178948011	178948166
PIK3CA_Intron20_Amp1	chr3	178950295	178950434
PIK3CA_Exon21_NM006218	chr3	178951880	178952154
PMS2_Exon14_Additional1	chr7	6017281	6017390
PMS2_Exon13_NM000535	chr7	6018225	6018329
PMS2_Exon10_NM000535	chr7	6029429	6029588
PMS2_Exon9_NM000535	chr7	6031602	6031690
PMS2_Exon8_NM000535	chr7	6035163	6035266
PMS2_Exon7_NM000535	chr7	6036955	6037056
PMS2_Exon6_NM000535	chr7	6038737	6038908
PMS2_Exon5_Additional1	chr7	6042103	6042269
PMS2_Exon3_NM000535	chr7	6043601	6043691
PMS2_Exon1_NM000535	chr7	6048626	6048652
PTEN_Exon1_NM000314	chr10	89624225	89624307
PTEN_Intron1_Amp1	chr10	89625937	89626075
PTEN_Intron1_Amp2	chr10	89626206	89626345
PTEN_Intron1_Amp3	chr10	89628437	89628575
PTEN_Intron1_Amp4	chr10	89630706	89630845
PTEN_Intron1_Amp5	chr10	89639706	89639845
PTEN_Intron1_Amp6	chr10	89650437	89650575
PTEN_Intron1_Amp7	chr10	89650706	89650845
PTEN_Intron1_Amp8	chr10	89652437	89652575
PTEN_Exon2_NM000314	chr10	89653780	89653868
PTEN_Intron2_Amp1	chr10	89654997	89655136
PTEN_Intron2_Amp2	chr10	89673997	89674136
PTEN_Intron2_Amp3	chr10	89675997	89676136
PTEN_Intron2_Amp4	chr10	89676997	89677136
PTEN_Intron2_Amp5	chr10	89678498	89678636
PTEN_Intron2_Amp6	chr10	89680767	89680906
PTEN_Intron2_Amp7	chr10	89681767	89681906
PTEN_Intron2_Amp8	chr10	89681998	89682136
PTEN_Intron2_Amp9	chr10	89684267	89684406
PTEN_Exon3_NM000314	chr10	89685268	89685316

PTEN_Intron3_Amp1	chr10	89685445	89685584
PTEN_Intron3_Amp2	chr10	89688446	89688584
PTEN_Exon4_NM000314	chr10	89690801	89690848
PTEN_Exon5_NM000314	chr10	89692768	89693010
PTEN_Intron5_Amp1	chr10	89693139	89693278
PTEN_Intron5_Amp2	chr10	89696140	89696278
PTEN_Intron5_Amp3	chr10	89698409	89698548
PTEN_Intron5_Amp4	chr10	89700140	89700278
PTEN_Intron5_Amp5	chr10	89700409	89700548
PTEN_Intron5_Amp6	chr10	89701409	89701548
PTEN_Intron5_Amp7	chr10	89705409	89705548
PTEN_Intron5_Amp8	chr10	89711409	89711548
PTEN_Exon6_NM000314	chr10	89711873	89712018
PTEN_Exon7_NM000314	chr10	89717608	89717778
PTEN_Intron7_Amp1	chr10	89717908	89718046
PTEN_Intron7_Amp2	chr10	89718177	89718316
PTEN_Exon8_NM000314	chr10	89720649	89720877
PTEN_Exon9_NM000314	chr10	89725042	89725231
PTEN_Exon9_Amp1	chr10	89726356	89726498
RET_Exon1_NM020630	chr10	43572705	43572781
RET_Intron1_Amp1	chr10	43575910	43576049
RET_Intron1_Amp2	chr10	43576910	43577049
RET_Intron1_Amp3	chr10	43577910	43578049
RET_Intron1_Amp4	chr10	43587910	43588049
RET_Intron1_Amp5	chr10	43591910	43592049
RET_Exon2_NM020975	chr10	43595905	43596172
RET_Intron2_Amp1	chr10	43597301	43597440
RET_Exon3_NM020975	chr10	43597788	43598079
RET_Exon4_NM020975	chr10	43600398	43600643
RET_Exon5_NM020975	chr10	43601822	43602021
RET_Intron5_Amp1	chr10	43602150	43602289
RET_Exon6_NM020975	chr10	43604477	43604680
RET_Exon7_NM020975	chr10	43606653	43606915
RET_Intron7_Fusion1	chr10	43606914	43607546
RET_Exon8_NM020975	chr10	43607545	43607674
RET_Intron8_Fusion1	chr10	43607673	43608300
RET_Exon9_NM020975	chr10	43608299	43608413
RET_Intron9_Fusion1	chr10	43608412	43609003
RET_Exon10_NM020975	chr10	43609002	43609125
RET_Intron10_Fusion1	chr10	43609124	43609927
RET_Exon11_NM020975	chr10	43609926	43610186
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RET_Intron12_Fusion1	chr10	43612180	43613820
RET_Exon13_NM020975	chr10	43613819	43613930
RET_Exon14_NM020975	chr10	43614977	43615195
RET_Exon15_NM020975	chr10	43615527	43615653

RET_Exon16_NM020975	chr10	43617392	43617466
RET_Intron16_Amp1	chr10	43618595	43618734
RET_Exon17_NM020975	chr10	43619117	43619258
RET_Exon18_NM020975	chr10	43620329	43620432
RET_Intron18_Amp1	chr10	43621561	43621700
RET_Exon19_NM020630	chr10	43622021	43622954
RET_Exon20_NM020975	chr10	43623558	43623719
RET_Exon20_Amp1	chr10	43623846	43623989
ROS1_Exon43_NM002944	chr6	117609653	117609967
ROS1_Exon42_NM002944	chr6	117622135	117622302
ROS1_Exon41_NM002944	chr6	117629955	117630093
ROS1_Exon40_NM002944	chr6	117631242	117631446
ROS1_Exon39_NM002944	chr6	117632181	117632282
ROS1_Exon38_NM002944	chr6	117638304	117638437
ROS1_Exon37_NM002944	chr6	117639349	117639417
ROS1_Intron36_Fusion1	chr6	117639416	117641030
ROS1_Exon36_NM002944	chr6	117641029	117641195
ROS1_Intron35_Fusion1	chr6	117641194	117642421
ROS1_Exon35_NM002944	chr6	117642420	117642559
ROS1_Intron34_Fusion1	chr6	117642558	117645494
ROS1_Exon34_NM002944	chr6	117645493	117645580
ROS1_Intron33_Fusion1	chr6	117645579	117647386
ROS1_Exon33_NM002944	chr6	117647385	117647579
ROS1_Intron32_Fusion1	chr6	117647578	117650491
ROS1_Exon32_NM002944	chr6	117650490	117650611
ROS1_Intron31_Fusion1	chr6	117650610	117658334
ROS1_Exon31_NM002944	chr6	117658333	117658505
ROS1_Intron30_Fusion1	chr6	117658504	117662297
ROS1_Exon30_NM002944	chr6	117662296	117662476
ROS1_Exon29_NM002944	chr6	117662561	117662797
ROS1_Exon28_NM002944	chr6	117663561	117663709
ROS1_Exon27_NM002944	chr6	117665221	117665427
ROS1_Exon26_NM002944	chr6	117674151	117674334
ROS1_Exon25_NM002944	chr6	117677790	117678080
ROS1_Exon24_NM002944	chr6	117678965	117679174
ROS1_Exon23_NM002944	chr6	117680970	117681176
ROS1_Exon22_NM002944	chr6	117681503	117681570
ROS1_Exon21_NM002944	chr6	117683764	117684030
ROS1_Exon20_NM002944	chr6	117686221	117686369
ROS1_Exon19_NM002944	chr6	117686742	117686906
ROS1_Exon18_NM002944	chr6	117687237	117687455
ROS1_Exon17_NM002944	chr6	117700220	117700324
ROS1_Exon16_NM002944	chr6	117704478	117704673
ROS1_Exon15_NM002944	chr6	117706844	117707026
ROS1_Exon14_NM002944	chr6	117708050	117708164
ROS1_Exon13_NM002944	chr6	117708941	117709199
ROS1_Exon12_NM002944	chr6	117710511	117711011

ROS1_Exon11_NM002944	chr6	117714385	117714486
ROS1_Exon10_NM002944	chr6	117715323	117715511
ROS1_Exon9_NM002944	chr6	117715777	117715903
ROS1_Exon8_NM002944	chr6	117717349	117717429
ROS1_Exon7_NM002944	chr6	117718076	117718281
ROS1_Exon6_NM002944	chr6	117724300	117724442
ROS1_Exon5_NM002944	chr6	117725441	117725593
ROS1_Exon4_NM002944	chr6	117730743	117730807
ROS1_Exon3_NM002944	chr6	117737419	117737482
ROS1_Exon2_NM002944	chr6	117739623	117739671
ROS1_Exon1_NM002944	chr6	117746695	117746821
SMAD4_Exon2_NM005359	chr18	48573415	48573667
SMAD4_Exon3_NM005359	chr18	48575054	48575232
SMAD4_Exon4_NM005359	chr18	48575663	48575696
SMAD4_Exon5_NM005359	chr18	48581149	48581365
SMAD4_Exon6_NM005359	chr18	48584493	48584616
SMAD4_Exon7_NM005359	chr18	48584708	48584828
SMAD4_Exon8_NM005359	chr18	48586234	48586288
SMAD4_Exon9_NM005359	chr18	48591791	48591978
SMAD4_Exon10_NM005359	chr18	48593387	48593559
SMAD4_Exon11_NM005359	chr18	48603006	48603148
SMAD4_Exon12_NM005359	chr18	48604624	48604839
LoH_TP53_1	chr17	7572032	7572171
LoH_TP53_10	chr17	7575935	7576073
LoH_TP53_11	chr17	7577338	7577497
LoH_TP53_12	chr17	7578046	7578176
LoH_TP53_13	chr17	7578812	7578907
LoH_TP53_14	chr17	7579591	7579689
LoH_TP53_15	chr17	7579983	7580122
LoH_TP53_16	chr17	7580431	7580570
LoH_TP53_17	chr17	7581055	7581194
LoH_TP53_18	chr17	7581626	7581764
LoH_TP53_19	chr17	7582944	7583153
LoH_TP53_2	chr17	7572303	7572441
LoH_TP53_20	chr17	7583285	7583423
LoH_TP53_21	chr17	7585985	7586123
LoH_TP53_22	chr17	7587485	7587623
LoH_TP53_23	chr17	7587830	7587969
LoH_TP53_24	chr17	7588401	7588630
LoH_TP53_25	chr17	7589062	7589200
LoH_TP53_26	chr17	7589662	7589800
LoH_TP53_27	chr17	7590055	7590194
LoH_TP53_28	chr17	7590326	7590464
LoH_TP53_29	chr17	7590626	7590764
LoH_TP53_3	chr17	7572603	7572741
LoH_TP53_4	chr17	7573440	7573578
LoH_TP53_5	chr17	7573740	7573878

LoH_TP53_6	chr17	7574465	7574603
LoH_TP53_7	chr17	7574867	7575006
LoH_TP53_8	chr17	7575138	7575276
LoH_TP53_9	chr17	7575664	7575803
TP53_Exon1_NM001126115	chr17	7578369	7578813
TP53_Exon10_NM001126112	chr17	7573925	7574035
TP53_Exon10_NM001126114	chr17	7576523	7576659
TP53_Exon10_NM001126118	chr17	7572925	7573010
TP53_Exon3_Additional1	chr17	7579698	7579914
TP53_Exon4_NM001126112	chr17	7579310	7579592
TP53_Exon6_NM001126112	chr17	7578175	7578291
TP53_Exon7_NM001126112	chr17	7577497	7577610
TP53_Exon8_NM001126112	chr17	7577017	7577157
TP53_Exon9_NM001126112	chr17	7576851	7576928