

Regions Sequenced in Melanoma Cancer NGS Panel			
Name_Exon_Gene Bank Accession#	Chromosome	Chromosome Start	Chromosome End
BRAF_Exon18_NM004333	chr7	140434395	140434572
BRAF_Intron17_Amp1	chr7	140438701	140438840
BRAF_Exon17_NM004333	chr7	140439610	140439748
BRAF_Intron16_Amp1	chr7	140446877	140447016
BRAF_Exon16_NM004333	chr7	140449085	140449220
BRAF_Intron15_Amp1	chr7	140452349	140452488
BRAF_Exon15_NM004333	chr7	140453073	140453195
BRAF_Exon14_NM004333	chr7	140453985	140454035
BRAF_Exon13_NM004333	chr7	140476710	140476890
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
BRAF_Exon8_NM004333	chr7	140494106	140494269
BRAF_Intron7_Amp1	chr7	140494398	140494537
BRAF_Intron7_Amp2	chr7	140497398	140497537
BRAF_Exon7_NM004333	chr7	140500160	140500283
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
BRAF_Intron3_Amp2	chr7	140530926	140531065
BRAF_Intron3_Amp3	chr7	140532926	140533065
BRAF_Exon3_NM004333	chr7	140534407	140534674
BRAF_Intron2_Amp1	chr7	140546803	140546942
BRAF_Intron2_Amp2	chr7	140548803	140548942
BRAF_Exon2_NM004333	chr7	140549909	140550014
BRAF_Intron1_Amp1	chr7	140561143	140561282
BRAF_Intron1_Amp2	chr7	140565143	140565282
BRAF_Intron1_Amp3	chr7	140576644	140576782
BRAF_Intron1_Amp4	chr7	140577913	140578052
BRAF_Intron1_Amp5	chr7	140578913	140579052
BRAF_Intron1_Amp6	chr7	140580913	140581052
BRAF_Intron1_Amp7	chr7	140590913	140591052
BRAF_Intron1_Amp8	chr7	140596913	140597052
BRAF_Intron1_Amp9	chr7	140599913	140600052
BRAF_Intron1_Amp10	chr7	140610913	140611052
BRAF_Intron1_Amp11	chr7	140617913	140618052
BRAF_Intron1_Amp12	chr7	140618913	140619052
BRAF_Intron1_Amp13	chr7	140620144	140620282
BRAF_Intron1_Amp14	chr7	140620413	140620552
BRAF_Exon1_NM004333	chr7	140624364	140624505
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CTNNB1_Exon4_NM001098210	chr3	41266443	41266700
CTNNB1_Exon5_NM001098210	chr3	41266823	41267065
CTNNB1_Exon6_NM001098210	chr3	41267149	41267354
CTNNB1_Exon7_NM001098210	chr3	41268697	41268845
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CTNNB1_Exon9_NM001098210	chr3	41275018	41275360
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CTNNB1_Exon11_NM001098210	chr3	41277213	41277336
CTNNB1_Exon12_NM001098210	chr3	41277838	41277992
CTNNB1_Exon13_NM001098210	chr3	41278077	41278202
CTNNB1_Exon14_NM001098210	chr3	41279505	41279569
CTNNB1_Exon15_NM001098209	chr3	41280623	41280835
GNA11_Exon1_NM002067	chr19	3094648	3094787
GNA11_Exon2_NM002067	chr19	3110145	3110333
GNA11_Exon3_NM002067	chr19	3113326	3113484
GNA11_Exon4_NM002067	chr19	3114940	3115072
GNA11_Exon5_NM002067	chr19	3118920	3119053
GNA11_Exon6_NM002067	chr19	3119202	3119359
GNA11_Exon7_NM002067	chr19	3120985	3121179
GNAQ_Exon6_NM002072	chr9	80343428	80343585
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GNAQ_Exon4_NM002072	chr9	80412434	80412566
GNAQ_Exon3_NM002072	chr9	80430530	80430688
GNAQ_Exon2_NM002072	chr9	80537075	80537263
GNAQ_Exon1_NM002072	chr9	80646014	80646153
KIT_Exon1_NM000222	chr4	55524180	55524250
KIT_Intron1_Amp1	chr4	55525379	55525518
KIT_Intron1_Amp2	chr4	55528379	55528518
KIT_Intron1_Amp3	chr4	55538379	55538518
KIT_Intron1_Amp4	chr4	55540379	55540518
KIT_Intron1_Amp5	chr4	55549379	55549518
KIT_Intron1_Amp6	chr4	55550379	55550518
KIT_Intron1_Amp7	chr4	55558379	55558518
KIT_Intron1_Amp8	chr4	55559379	55559518
KIT_Exon2_NM000222	chr4	55561676	55561949
KIT_Exon3_NM000222	chr4	55564448	55564733
KIT_Exon4_NM000222	chr4	55565794	55565934
KIT_Exon5_NM000222	chr4	55569888	55570060
KIT_Exon6_NM000222	chr4	55573262	55573455
KIT_Intron6_Amp1	chr4	55573584	55573723
KIT_Exon7_NM000222	chr4	55575588	55575707
KIT_Intron7_Amp1	chr4	55578836	55578975
KIT_Intron7_Amp2	chr4	55580836	55580975
KIT_Exon8_NM000222	chr4	55589748	55589866
KIT_Exon9_NM000222	chr4	55592021	55592218
KIT_Exon10_NM000222	chr4	55593382	55593492

KIT_Exon11_NM000222	chr4	55593580	55593710
KIT_Exon12_NM000222	chr4	55593987	55594095
KIT_Exon13_NM000222	chr4	55594175	55594289
KIT_Exon14_NM000222	chr4	55595499	55595653
KIT_Exon15_NM000222	chr4	55597492	55597587
MSI_KIT_intron16	chr4	55598037	55598396
KIT_Exon17_NM000222	chr4	55599234	55599360
KIT_Exon18_NM000222	chr4	55602662	55602777
KIT_Exon19_NM000222	chr4	55602885	55602988
KIT_Exon20_NM000222	chr4	55603339	55603448
KIT_Exon21_NM000222	chr4	55604593	55604725
KIT_Exon21_Amp1	chr4	55604852	55604995
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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
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NF1_Exon3_NM001042492	chr17	29486026	29486113
NF1_Exon4_NM001042492	chr17	29490202	29490396
NF1_Exon5_NM001042492	chr17	29496907	29497017
NF1_Exon6_NM001042492	chr17	29508438	29508509
NF1_Exon7_NM001042492	chr17	29508726	29508805
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NF1_Exon12_NM001042492	chr17	29533256	29533391
NF1_Exon13_NM001042492	chr17	29541467	29541605
NF1_Exon14_NM001042492	chr17	29546021	29546138
NF1_Exon15_NM001042492	chr17	29548866	29549676
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NF1_Exon17_NM001042492	chr17	29552111	29552270
NF1_Exon19_NM001042492	chr17	29554234	29554311
NF1_Exon20_NM001042492	chr17	29554539	29554626
NF1_Exon22_NM001042492	chr17	29556851	29556994
NF1_Exon23_NM001042492	chr17	29557276	29557402
NF1_Exon24_NM001042492	chr17	29557858	29557945
NF1_Exon25_NM001042492	chr17	29559089	29559209
NF1_Exon26_NM001042492	chr17	29559716	29559901
NF1_Exon27_NM001042492	chr17	29560018	29560233

NF1_Exon28_NM001042492	chr17	29562627	29562792
NF1_Exon29_NM001042492	chr17	29562934	29563041
NF1_Exon30_NM001042492	chr17	29576000	29576139
NF1_Exon31_NM001042492	chr17	29579954	29580020
NF1_Exon32_NM001042492	chr17	29585360	29585522
NF1_Exon33_NM001042492	chr17	29586048	29586149
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NF1_Exon36_NM001042492	chr17	29592245	29592359
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NF1_Exon40_NM001042492	chr17	29661854	29662051
NF1_Exon41_NM001042492	chr17	29663349	29663493
NF1_Exon42_NM001042492	chr17	29663651	29663934
NF1_Exon43_NM001042492	chr17	29664384	29664602
NF1_Exon44_NM001042492	chr17	29664835	29664900
NF1_Exon45_NM001042492	chr17	29665041	29665159
NF1_Exon46_NM001042492	chr17	29665720	29665825
NF1_Exon47_NM001042492	chr17	29667521	29667665
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NF1_Exon49_NM001042492	chr17	29676136	29676271
NF1_Exon50_NM001042492	chr17	29677199	29677338
NF1_Exon51_NM001042492	chr17	29679273	29679434
NF1_Exon52_NM001042492	chr17	29683476	29683602
NF1_Exon53_NM001042492	chr17	29683976	29684110
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NF1_Exon55_NM001042492	chr17	29685496	29685642
NF1_Exon56_NM001042492	chr17	29685985	29686035
NF1_Exon57_NM001042492	chr17	29687503	29687723
NF1_Exon57_NM000267	chr17	29701029	29701175
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
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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
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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
NTRK2_Exon4_NM006180	chr9	87285290	87285877
NTRK2_Exon5_NM006180	chr9	87317072	87317150
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
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NTRK2_Intron15_NM006180	chr9	87476003	87482157
NTRK2_Exon16_NM006180	chr9	87482156	87482348
NTRK2_Exon14_NM001018066	chr9	87486702	87492815
NTRK2_Exon17_NM006180	chr9	87549075	87549209
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NTRK2_Exon19_NM006180	chr9	87570196	87570434
NTRK2_Exon20_NM006180	chr9	87635119	87635281
NTRK2_Exon21_NM006180	chr9	87636165	87641987
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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
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NTRK3_Exon4_NM001012338	chr15	88727454	88727532
NTRK3_Exon3_NM001012338	chr15	88799135	88799401
NTRK3_Exon2_NM001012338	chr15	88799513	88799719
NTRK3_Exon1_NM001012338	chr15	88799873	88799964
PDGFRA_Intron1_Amp1	chr4	55106263	55106402
PDGFRA_Intron1_Amp2	chr4	55109263	55109402
PDGFRA_Intron1_Amp3	chr4	55117263	55117402
PDGFRA_Intron1_Amp4	chr4	55123263	55123402
PDGFRA_Intron1_Amp5	chr4	55124263	55124402
PDGFRA_Exon2_NM006206	chr4	55124934	55124986
PDGFRA_Intron2_Amp1	chr4	55127115	55127254
PDGFRA_Exon3_NM006206	chr4	55127260	55127581
PDGFRA_Intron3_Amp1	chr4	55128710	55128849
PDGFRA_Exon4_NM006206	chr4	55129832	55130096

PDGFRA_Exon5_NM006206	chr4	55131084	55131218
PDGFRA_Exon6_NM006206	chr4	55133454	55133629
PDGFRA_Exon7_NM006206	chr4	55133717	55133910
PDGFRA_Exon8_NM006206	chr4	55136798	55136917
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PDGFRA_Exon11_NM006206	chr4	55140696	55140794
PDGFRA_Exon12_NM006206	chr4	55141006	55141142
PDGFRA_Intron12_Amp1	chr4	55143271	55143410
PDGFRA_Exon13_NM006206	chr4	55143553	55143661
PDGFRA_Exon14_NM006206	chr4	55144061	55144175
PDGFRA_Exon15_NM006206	chr4	55144527	55144684
PDGFRA_Exon16_NM006206	chr4	55146481	55146651
PDGFRA_Intron16_Amp1	chr4	55149780	55149919
PDGFRA_Exon17_NM006206	chr4	55151536	55151655
PDGFRA_Exon18_NM006206	chr4	55152006	55152132
PDGFRA_Exon19_NM006206	chr4	55153595	55153710
PDGFRA_Exon20_NM006206	chr4	55154964	55155067
PDGFRA_Exon21_NM006206	chr4	55155174	55155283
PDGFRA_Exon22_NM006206	chr4	55156478	55156723
PDGFRA_Exon23_NM006206	chr4	55161290	55161441
PDGFRA_Exon23_Amp1	chr4	55163568	55163711
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
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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
PIK3CA_Exon14_NM006218	chr3	178938772	178938947
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
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
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