

Regions Sequenced in Gastrointestinal Stromal Tumor NGS Panel

Name_Exon_Gene Bank Accession#	Chromosome	Chromosome Start	Chromosome End
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
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
PDGFRA_Intron8_Amp1	chr4	55137046	55137185
PDGFRA_Exon9_NM006206	chr4	55138559	55138689
PDGFRA_Exon10_NM006206	chr4	55139702	55139899
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
SDHB_Exon1_NM003000	chr1	17380441	17380516
SDHB_Exon2_NM003000	chr1	17371254	17371385
SDHB_Exon3_NM003000	chr1	17359553	17359642
SDHB_Exon4_NM003000	chr1	17355093	17355233
SDHB_Exon5_NM003000	chr1	17354242	17354362
SDHB_Exon6_NM003000	chr1	17350466	17350571
SDHB_Exon7_NM003000	chr1	17349101	17349227
SDHB_Exon8_NM003000	chr1	17345374	17345455
SDHC_Exon1_NM001035511	chr1	161284194	161284217
SDHC_Exon2_NM003001	chr1	161293402	161293462
SDHC_Exon3_NM003001	chr1	161298184	161298289
SDHC_Exon4_NM001278172	chr1	161332117	161332332
SDHC_Exon4_NM003001	chr1	161310382	161310447
SDHC_Exon5_NM003001	chr1	161326465	161326632
SDHD_Exon1_NM001276503	chr11	111957630	111957685
SDHD_Exon2_NM003002	chr11	111958579	111958699
SDHD_Exon3_NM001276504	chr11	111965527	111965696
SDHD_Exon3_NM003002	chr11	111959589	111959737
SDHD_Exon4_NM001276506	chr11	111963802	111963923
SDHD_Flanking1_Pseudo1	chr11	111956001	111956120
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
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
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
NTRK3_Exon19_NM001012338	chr15	88423499	88423661
NTRK3_Exon18_NM001012338	chr15	88428923	88428968

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
NTRK3_Exon2_NM001012338	chr15	88799513	88799719
NTRK3_Exon1_NM001012338	chr15	88799873	88799964