

Regions Sequenced in Neuro-Oncologic NGS Panel			
Name_Exon_Gene Bank Accession#	Chromosome	Chromosome Start	Chromosome End
ATRX_Exon34_NM138270	chrX	76763827	76764109
ATRX_Exon34_NM000489	chrX	76776264	76776396
ATRX_Exon33_NM000489	chrX	76776879	76776978
ATRX_Exon32_NM000489	chrX	76777739	76777868
ATRX_Exon31_NM000489	chrX	76778728	76778881
ATRX_Exon30_NM000489	chrX	76812920	76813118
ATRX_Exon29_NM000489	chrX	76814138	76814319
ATRX_Exon28_NM000489	chrX	76829713	76829825
ATRX_Exon27_NM000489	chrX	76845302	76845412
ATRX_Exon26_NM000489	chrX	76849164	76849321
ATRX_Exon25_NM000489	chrX	76854878	76855051
ATRX_Exon24_NM000489	chrX	76855199	76855291
ATRX_Exon23_NM000489	chrX	76855901	76856035
ATRX_Exon22_NM000489	chrX	76872079	76872200
ATRX_Exon21_NM000489	chrX	76874272	76874451
ATRX_Exon20_NM000489	chrX	76875861	76876002
ATRX_Exon19_NM000489	chrX	76888693	76888874
ATRX_Exon18_NM000489	chrX	76889052	76889202
ATRX_Exon17_NM000489	chrX	76890083	76890196
ATRX_Exon16_NM000489	chrX	76891404	76891549
ATRX_Exon15_NM000489	chrX	76907602	76907845
ATRX_Exon14_NM000489	chrX	76909586	76909692
ATRX_Exon13_NM000489	chrX	76912048	76912145
ATRX_Exon12_NM000489	chrX	76918869	76919049
ATRX_Exon11_NM000489	chrX	76920132	76920269
ATRX_Exon10_NM000489	chrX	76931719	76931795
ATRX_Exon9_NM000489	chrX	76937010	76940087
ATRX_Exon8_NM000489	chrX	76940429	76940500
ATRX_Exon7_NM000489	chrX	76944309	76944422
ATRX_Exon6_NM000489	chrX	76949311	76949428
ATRX_Exon5_NM000489	chrX	76952063	76952194
ATRX_Exon4_NM000489	chrX	76953069	76953125
ATRX_Exon3_NM000489	chrX	76954060	76954119
ATRX_Exon2_NM000489	chrX	76972606	76972722
ATRX_Exon1_NM000489	chrX	77041466	77041489
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
CDKN2C_Exon1_Pseudo1	chr1	51434399	51434522
CDKN2C_Exon1_NM078626	chr1	51436039	51436171
CDKN2C_Intron1_Pseudo1	chr1	51437801	51437920
CDKN2C_Exon2_NM078626	chr1	51439563	51439944
CDKN2C_Flanking1_Pseudo1	chr1	51441301	51441420
CDKN2A_Exon3_NM000077	chr9	21968226	21968243
CDKN2A_Exon3_NM001195132	chr9	21968572	21968772
CDKN2A_Exon2_NM001195132	chr9	21970899	21971209
CDKN2A_Exon1_Additional1	chr9	21974401	21975134
CDKN2A_Exon1_NM058195	chr9	21994136	21994332
CDKN2B_Exon2_Pseudo1	chr9	22003649	22003772
CDKN2B_Exon2_NM004936	chr9	22005984	22006248
CDKN2B_Intron1_Pseudo1	chr9	22008201	22008320

CDKN2B_Exon1_Additional1	chr9	22008714	22008954
CDKN2B_Flanking1_Pseudo1	chr9	22012001	22012120
EGFR_Exon1_NM005228	chr7	55086969	55087060
EGFR_Intron1_Amp1	chr7	55102724	55102863
EGFR_Intron1_Amp2	chr7	55136724	55136863
EGFR_Intron1_Amp3	chr7	55172724	55172863
EGFR_Intron1_Amp4	chr7	55184724	55184863
EGFR_Intron1_Amp5	chr7	55195724	55195863
EGFR_Exon2_NM005228	chr7	55209977	55210132
EGFR_Exon3_NM005228	chr7	55210996	55211183
EGFR_Exon4_NM005228	chr7	55214297	55214435
EGFR_Exon5_NM005228	chr7	55218985	55219057
EGFR_Exon6_NM005228	chr7	55220237	55220359
EGFR_Intron6_Fusion1	chr7	55220358	55221703
EGFR_Exon7_NM005228	chr7	55221702	55221847
EGFR_Exon8_NM005228	chr7	55223521	55223641
EGFR_Intron8_Fusion1	chr7	55223640	55224225
EGFR_Exon9_NM005228	chr7	55224224	55224354
EGFR_Exon10_NM201283	chr7	55224450	55224646
EGFR_Exon11_NM005228	chr7	55225354	55225448
EGFR_Exon12_NM005228	chr7	55227830	55228033
EGFR_Exon13_NM005228	chr7	55229190	55229326
EGFR_Intron13_Amp1	chr7	55229455	55229594
EGFR_Exon14_NM005228	chr7	55231424	55231518
EGFR_Exon15_NM005228	chr7	55232971	55233132
EGFR_Exon16_Fusion1	chr7	55233129	55236218
EGFR_Exon16_NM201282	chr7	55236214	55236330
EGFR_Exon16_Fusion2	chr7	55236327	55238002
EGFR_Exon16_NM201284	chr7	55237998	55238740
EGFR_Intron15_Fusion1	chr7	55238739	55238867
EGFR_Exon16_NM005228	chr7	55238866	55238908
EGFR_Exon17_NM005228	chr7	55240674	55240819
EGFR_Exon18_NM005228	chr7	55241612	55241738
EGFR_Exon19_NM005228	chr7	55242413	55242515
EGFR_Intron19_Fusion1	chr7	55242514	55248985
EGFR_Exon20_NM005228	chr7	55248984	55249173
EGFR_Intron20_Amp1	chr7	55251302	55251441
EGFR_Exon21_NM005228	chr7	55259410	55259569
EGFR_Exon22_NM005228	chr7	55260457	55260536
EGFR_Intron22_Amp1	chr7	55265665	55265804
EGFR_Exon23_NM005228	chr7	55266408	55266558
EGFR_Exon24_NM005228	chr7	55268007	55268108
EGFR_Intron24_Fusion1	chr7	55268107	55268880
EGFR_Exon25_NM005228	chr7	55268879	55269050
EGFR_Intron25_Fusion1	chr7	55269049	55269427
EGFR_Exon26_NM005228	chr7	55269426	55269477
EGFR_Exon27_NM005228	chr7	55270208	55270320

EGFR_Intron27_Amp1	chr7	55272449	55272588
EGFR_Exon28_NM005228	chr7	55272947	55273312
HIST3H3_Flanking1_Pseudo1	chr1	228607501	228607620
HIST3H3_Flanking2_Pseudo1	chr1	228611001	228611120
HIST3H3_Exon1_NM003493	chr1	228612614	228613028
HIST3H3_Flanking3_Pseudo1	chr1	228617501	228617620
HIST3H3_Flanking4_Pseudo1	chr1	228623001	228623120
IDH1_Exon10_NM001282386	chr2	209101801	209101895
IDH1_Exon9_NM001282387	chr2	209103793	209103959
IDH1_Exon8_NM001282387	chr2	209104585	209104729
IDH1_Exon7_NM001282387	chr2	209106716	209106871
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IDH1_Exon4_NM001282387	chr2	209113091	209113386
IDH1_Exon3_NM001282386	chr2	209116152	209116277
IDH2_Exon11_NM001289910	chr15	90627496	90627587
IDH2_Exon10_NM002168	chr15	90628046	90628142
IDH2_Exon9_NM002168	chr15	90628231	90628332
IDH2_Exon8_NM002168	chr15	90628505	90628621
IDH2_Exon7_NM002168	chr15	90630342	90630497
IDH2_Exon6_NM002168	chr15	90630669	90630809
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IDH2_Exon3_NM002168	chr15	90633709	90633878
IDH2_Exon2_NM002168	chr15	90634783	90634878
IDH2_Exon1_NM001289910	chr15	90643806	90643855
IDH2_Exon1_NM002168	chr15	90645506	90645624
MYC_Flanking1_Amp1	chr8	128743614	128743753
MYC_Flanking2_Amp1	chr8	128743914	128744053
MYC_Flanking3_Amp1	chr8	128744214	128744353
MYC_Flanking4_Amp1	chr8	128744514	128744653
MYC_Flanking5_Amp1	chr8	128745114	128745253
MYC_Flanking6_Amp1	chr8	128746014	128746153
MYC_Flanking7_Amp1	chr8	128746614	128746753
MYC_Flanking8_Amp1	chr8	128747814	128747953
MYC_Exon1_NM002467	chr8	128748838	128748871
MYC_Intron1_Amp1	chr8	128749001	128749139
MYC_Intron1_Amp2	chr8	128749201	128749339
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MYC_Intron1_Amp4	chr8	128749601	128749739
MYC_Intron1_Amp5	chr8	128749801	128749939
MYC_Intron1_Amp6	chr8	128750001	128750139
MYC_Intron1_Amp7	chr8	128750201	128750339
MYC_Exon2_NM002467	chr8	128750492	128751267
MYC_Intron2_Amp1	chr8	128751397	128751535
MYC_Intron2_Amp2	chr8	128751597	128751735
MYC_Intron2_Amp3	chr8	128751797	128751935

MYC_Intron2_Amp4	chr8	128751997	128752135
MYC_Intron2_Amp5	chr8	128752397	128752535
MYC_Exon3_NM002467	chr8	128752640	128753206
MYC_Flanking9_Amp1	chr8	128753935	128754074
MYC_Flanking10_Amp1	chr8	128754235	128754374
MYC_Flanking11_Amp1	chr8	128755135	128755274
MYC_Flanking12_Amp1	chr8	128755735	128755874
MYC_Flanking13_Amp1	chr8	128756635	128756774
MYC_Flanking14_Amp1	chr8	128756935	128757074
MYC_Flanking15_Amp1	chr8	128757535	128757674
MYC_Flanking16_Amp1	chr8	128758435	128758574
MYCN_Exon2_Amp1	chr2	16086346	16086488
MYCN_Exon2_Amp2	chr2	16086946	16087088
MYCN_Flanking5_Amp1	chr2	16088417	16088556
MYCN_Flanking6_Amp1	chr2	16089317	16089456
MYCN_Flanking7_Amp1	chr2	16089917	16090056
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MYCL1_Flanking1_Amp1	chr1	40356095	40356234
MYCL1_Flanking2_Amp1	chr1	40356395	40356534
MYCL1_Flanking3_Amp1	chr1	40356695	40356834
MYCL1_Flanking4_Amp1	chr1	40356995	40357134
MYCL1_Flanking5_Amp1	chr1	40357595	40357734
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MYCL1_Flanking7_Amp1	chr1	40358795	40358934
MYCL1_Flanking8_Amp1	chr1	40359695	40359834
MYCL1_Flanking9_Amp1	chr1	40359995	40360134
MYCL1_Flanking10_Amp1	chr1	40360895	40361034
MYCL1_Exon2_Amp1	chr1	40361193	40361336
MYCL1_Exon2_Amp2	chr1	40362093	40362236
MYCL1_Exon2_Amp3	chr1	40362693	40362836
MYCL1_Exon2_NM001033081	chr1	40363042	40363644
MYCL1_Intron1_Amp1	chr1	40363773	40363912
MYCL1_Intron1_Amp2	chr1	40364073	40364212
MYCL1_Intron1_Amp3	chr1	40364373	40364512
MYCL1_Intron1_Amp4	chr1	40364673	40364812
MYCL1_Intron1_Amp5	chr1	40364973	40365112
MYCL1_Exon2_Additional1	chr1	40365282	40366690
MYCL1_Exon2_Additional2	chr1	40366689	40367396
MYCL1_Exon1_Additional1	chr1	40367428	40367562
MYCL1_Flanking11_Amp1	chr1	40367825	40367964
MYCL1_Flanking12_Amp1	chr1	40368125	40368264
MYCL1_Flanking13_Amp1	chr1	40368425	40368564
MYCL1_Flanking14_Amp1	chr1	40368725	40368864
MYCL1_Flanking15_Amp1	chr1	40369025	40369164
MYCL1_Flanking16_Amp1	chr1	40369925	40370064
MYCL1_Flanking17_Amp1	chr1	40370825	40370964
MYCL1_Flanking18_Amp1	chr1	40371425	40371564

MYCL1_Flanking19_Amp1

chr1

40372625

40372764