

## Myeloid NGS Panel - Gene Regions Sequenced for SNV and Insertion/Deletion Variants

Gene	Exon	Codons Covered	GenBank Accession#	Chromosome	Hg19 Start	Hg19 Stop
ANKRD26	5' UTR	n/a	NM_014915.2	10	27389250	27389432
ANKRD26	3	120-177	NM_014915.2	10	27382272	27382456
ASXL1	7	189-240	NM_015338.5	20	31017698	31017861
ASXL1	8	240-294	NM_015338.5	20	31019118	31019292
ASXL1	9	295-327	NM_015338.5	20	31019380	31019487
ASXL1	10	327-362	NM_015338.5	20	31020677	31020793
ASXL1	11	363-573	NM_015338.5	20	31021081	31021725
ASXL1	12	574-1542	NM_015338.5	20	31022229	31025146
BCOR	2	1-29	NM_001123385.1	X	39937091	39937187
BCOR	3	29-55	NM_001123385.1	X	39935701	39935790
BCOR	4	56-999	NM_001123385.1	X	39931596	39934438
BCOR	5	1000-1017	NM_001123385.1	X	39930884	39930948
BCOR	6	1018-1080	NM_001123385.1	X	39930220	39930417
BCOR	7	1080-1168	NM_001123385.1	X	39923583	39923857
BCOR	8	1168-1283	NM_001123385.1	X	39922855	39923210
BCOR	9	1283-1391	NM_001123385.1	X	39921993	39922329
BCOR	10	1392-1476	NM_001123385.1	X	39921386	39921651
BCOR	11	1477-1532	NM_001123385.1	X	39916402	39916579
BCOR	12	1532-1581	NM_001123385.1	X	39914615	39914771
BCOR	13	1581-1607	NM_001123385.1	X	39913503	39913591
BCOR	14	1607-1659	NM_001123385.1	X	39913133	39913300
BCOR	15	1659-1756	NM_001123385.1	X	39911356	39911658
BCORL1	1	1-29	NM_021946.4	X	129139202	129139298
BCORL1	2	29-59	NM_021946.4	X	129146548	129146649
BCORL1	3	60-1147	NM_021946.4	X	129146920	129150194
BCORL1	4	1148-1203	NM_021946.4	X	129154954	129155130
BCORL1	5	1203-1230	NM_021946.4	X	129156866	129156957
BCORL1	6	1230-1360	NM_021946.4	X	129158959	129159359
BCORL1	7	1360-1435	NM_021946.4	X	129162604	129162841
BCORL1	8	1436-1491	NM_021946.4	X	129171336	129171513
BCORL1	9	1491-1540	NM_021946.4	X	129173106	129173262
BCORL1	10	1540-1566	NM_021946.4	X	129184686	129184774
BCORL1	11	1566-1618	NM_021946.4	X	129185829	129185996
BCORL1	12	1618-1712	NM_021946.4	X	129189823	129190116
BRAF	5	203-237	NM_004333.4	7	140507754	140507867
BRAF	6	238-287	NM_004333.4	7	140501206	140501365
BRAF	7	287-327	NM_004333.4	7	140500156	140500286
BRAF	8	327-380	NM_004333.4	7	140494102	140494272
BRAF	10	393-438	NM_004333.4	7	140482815	140482962
BRAF	11	439-478	NM_004333.4	7	140481370	140481498
BRAF	12	478-506	NM_004333.4	7	140477785	140477880
BRAF	13	506-564	NM_004333.4	7	140476706	140476893
BRAF	15	581-620	NM_004333.4	7	140453069	140453198
CALR	9	352-418	NM_004343.3	19	13054521	13054732
CBL	7-9	365-477	NM_005188.3	11	119148549	119149428
CEBPA	1	1-359	NM_004364.4	19	33792238	33793430
CSF3R	14	576-621	NM_156039.3	1	36933417	36933568
CSF3R	17	707-864	NM_156039.3	1	36931952	36932433
DDX41	1	1-9	NM_016222.3	5	176943914	176943951
DDX41	2	10-46	NM_016222.3	5	176943720	176943841
DDX41	3	47-100	NM_016222.3	5	176943283	176943453
DDX41	4	100-125	NM_016222.3	5	176943114	176943199
DDX41	5	125-145	NM_016222.3	5	176942924	176942995
DDX41	6	145-191	NM_016222.3	5	176942680	176942827
DDX41	7	191-215	NM_016222.3	5	176942181	176942264
DDX41	8	215-266	NM_016222.3	5	176941911	176942075
DDX41	9	267-312	NM_016222.3	5	176941696	176941843
DDX41	10	312-366	NM_016222.3	5	176940680	176940853

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DDX41	11	367-410	NM_016222.3	5	176940348	176940490
DDX41	12	411-434	NM_016222.3	5	176940006	176940088
DDX41	13	435-467	NM_016222.3	5	176939775	176939882
DDX41	14	467-517	NM_016222.3	5	176939491	176939651
DDX41	15	517-541	NM_016222.3	5	176939317	176939399
DDX41	16	541-578	NM_016222.3	5	176939091	176939212
DDX41	17	578-623	NM_016222.3	5	176938786	176938933
DNMT3A	2	1-24	NM_022552.4	2	25536776	25536858
DNMT3A	3	25-59	NM_022552.4	2	25523002	25523117
DNMT3A	4	60-149	NM_022552.4	2	25505251	25505585
DNMT3A	5	150-164	NM_022552.4	2	25498363	25498417
DNMT3A	6	165-213	NM_022552.4	2	25497804	25497961
DNMT3A	7	214-285	NM_022552.4	2	25470900	25471126
DNMT3A	8	286-338	NM_022552.4	2	25470454	25470623
DNMT3A	9	339-374	NM_022552.4	2	25469914	25470032
DNMT3A	10	375-427	NM_022552.4	2	25469483	25469650
DNMT3A	11	427-477	NM_022552.4	2	25469023	25469183
DNMT3A	12	477-492	NM_022552.4	2	25468883	25468938
DNMT3A	13	492-518	NM_022552.4	2	25468116	25468206
DNMT3A	14	519-556	NM_022552.4	2	25467403	25467526
DNMT3A	15	556-617	NM_022552.4	2	25467018	25467212
DNMT3A	16	618-646	NM_022552.4	2	25466761	25466856
DNMT3A	17	646-694	NM_022552.4	2	25464425	25464581
DNMT3A	18	695-725	NM_022552.4	2	25463503	25463604
DNMT3A	19	725-774	NM_022552.4	2	25463165	25463324
DNMT3A	20	775-803	NM_022552.4	2	25461993	25462089
DNMT3A	21	803-826	NM_022552.4	2	25459799	25459879
DNMT3A	22	827-866	NM_022552.4	2	25458570	25458699
DNMT3A	23	866-913	NM_022552.4	2	25457142	25457294
ETNK1	3	229-274	NM_018638.4	12	22811943	22812094
ETV6	1	1-11	NM_001987.4	12	11803056	11803099
ETV6	2	12-55	NM_001987.4	12	11905378	11905518
ETV6	3	55-110	NM_001987.4	12	11992068	11992243
ETV6	4	110-155	NM_001987.4	12	12006355	12006500
ETV6	5	155-337	NM_001987.4	12	12022352	12022908
ETV6	6	337-384	NM_001987.4	12	12037373	12037526
ETV6	7	385-418	NM_001987.4	12	12038854	12038965
ETV6	8	418-453	NM_001987.4	12	12043869	12043985
EZH2	2	1-39	NM_004456.4	7	148544268	148544395
EZH2	3	40-82	NM_004456.4	7	148543556	148543695
EZH2	4	83-121	NM_004456.4	7	148529720	148529847
EZH2	5	122-162	NM_004456.4	7	148526814	148526945
EZH2	6	162-209	NM_004456.4	7	148525826	148525977
EZH2	7	209-243	NM_004456.4	7	148524250	148524363
EZH2	8	243-303	NM_004456.4	7	148523540	148523729
EZH2	9	303-333	NM_004456.4	7	148516682	148516784
EZH2	10	334-414	NM_004456.4	7	148514963	148515214
EZH2	11	414-470	NM_004456.4	7	148514308	148514488
EZH2	12	471-502	NM_004456.4	7	148513770	148513875
EZH2	13	502-516	NM_004456.4	7	148512592	148512643
EZH2	14	516-558	NM_004456.4	7	148512000	148512136
EZH2	15	558-617	NM_004456.4	7	148511045	148511234
EZH2	16	618-649	NM_004456.4	7	148508711	148508817
EZH2	17	650-677	NM_004456.4	7	148507419	148507511
EZH2	18	677-704	NM_004456.4	7	148506396	148506487
EZH2	19	704-732	NM_004456.4	7	148506157	148506252
EZH2	20	732-752	NM_004456.4	7	148504732	148504803
FLT3	11	437-473	NM_004119.2	13	28610066	28610185
FLT3	13	533-568	NM_004119.2	13	28608432	28608549

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FLT3	14	569-613	NM_004119.2	13	28608213	28608356
FLT3	15	613-648	NM_004119.2	13	28608018	28608133
FLT3	16	649-684	NM_004119.2	13	28602309	28602430
FLT3	17	685-735	NM_004119.2	13	28601219	28601383
FLT3	20	807-847	NM_004119.2	13	28592598	28592731
GATA1	2	1-74	NM_002049.3	X	48649491	48649741
GATA1	4	200-248	NM_002049.3	X	48650724	48650880
GATA2	3	1-77	NM_001145661.1	3	128205640	128205924
GATA2	4	77-291	NM_001145661.1	3	128204564	128205216
GATA2	5	291-339	NM_001145661.1	3	128202697	128202853
GATA2	intron 5 enhancer	n/a	NM_001145661.1	3	128202127	128202178
GATA2	6	340-381	NM_001145661.1	3	128200656	128200792
GATA2	7	382-481	NM_001145661.1	3	128199856	128200166
HRAS	2	1-37	NM_176795.4	11	534206	534327
HRAS	3	38-97	NM_176795.4	11	533760	533949
IDH1	4	42-138	NM_005896.3	2	209113087	209113389
IDH1	7	234-283	NM_005896.3	2	209106712	209106874
IDH1	8	284-330	NM_005896.3	2	209104581	209104732
IDH2	4	125-178	NM_002168.3	15	90631813	90631984
IDH2	7	273-322	NM_002168.3	15	90630338	90630500
JAK2	3	1-76	NM_004972.3	9	5021982	5022218
JAK2	4	76-117	NM_004972.3	9	5029777	5029911
JAK2	5	118-156	NM_004972.3	9	5044397	5044525
JAK2	6	157-205	NM_004972.3	9	5050680	5050836
JAK2	7	205-312	NM_004972.3	9	5054557	5054889
JAK2	8	313-352	NM_004972.3	9	5055663	5055793
JAK2	9	353-405	NM_004972.3	9	5064877	5065045
JAK2	10	405-442	NM_004972.3	9	5066672	5066794
JAK2	11	443-505	NM_004972.3	9	5069016	5069213
JAK2	12	505-547	NM_004972.3	9	5069919	5070057
JAK2	13	548-592	NM_004972.3	9	5072486	5072631
JAK2	14	593-622	NM_004972.3	9	5073692	5073790
JAK2	15	622-664	NM_004972.3	9	5077447	5077585
JAK2	16	665-711	NM_004972.3	9	5078300	5078449
JAK2	17	711-761	NM_004972.3	9	5080223	5080385
JAK2	18	762-812	NM_004972.3	9	5080527	5080688
JAK2	19	812-857	NM_004972.3	9	5081719	5081866
JAK2	20	858-921	NM_004972.3	9	5089668	5089868
JAK2	21	921-962	NM_004972.3	9	5090440	5090575
JAK2	22	963-1020	NM_004972.3	9	5090733	5090916
JAK2	23	1020-1059	NM_004972.3	9	5122998	5123126
JAK2	24	1060-1097	NM_004972.3	9	5126327	5126451
JAK2	25	1098-1133	NM_004972.3	9	5126678	5126796
JAK3	2	1-62	NM_000215.3	19	17955037	17955231
JAK3	3	62-103	NM_000215.3	19	17954580	17954714
JAK3	4	103-140	NM_000215.3	19	17954183	17954305
JAK3	5	141-189	NM_000215.3	19	17953830	17953986
JAK3	6	189-287	NM_000215.3	19	17953119	17953424
JAK3	7	288-328	NM_000215.3	19	17952443	17952576
JAK3	8	329-381	NM_000215.3	19	17952192	17952360
JAK3	9	381-418	NM_000215.3	19	17951033	17951155
JAK3	10	419-481	NM_000215.3	19	17950280	17950477
JAK3	11	481-523	NM_000215.3	19	17949066	17949204
JAK3	12	524-567	NM_000215.3	19	17948735	17948877
JAK3	13	568-596	NM_000215.3	19	17947932	17948027
JAK3	14	596-638	NM_000215.3	19	17946727	17946865
JAK3	15	639-683	NM_000215.3	19	17945886	17946029
JAK3	16	683-733	NM_000215.3	19	17945655	17945817
JAK3	17	734-784	NM_000215.3	19	17945374	17945535

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JAK3	18	784-830	NM_000215.3	19	17943593	17943743
JAK3	19	831-894	NM_000215.3	19	17943322	17943522
JAK3	20	894-935	NM_000215.3	19	17942477	17942612
JAK3	21	936-993	NM_000215.3	19	17942031	17942214
JAK3	22	993-1032	NM_000215.3	19	17941306	17941434
JAK3	23	1033-1069	NM_000215.3	19	17940911	17941032
JAK3	24	1070-1125	NM_000215.3	19	17937546	17937724
KDM6A	1	1-54	NM_021140.3	X	44732792	44732963
KDM6A	2	54-75	NM_021140.3	X	44733164	44733238
KDM6A	3	76-112	NM_021140.3	X	44820523	44820642
KDM6A	4	112-128	NM_021140.3	X	44833905	44833965
KDM6A	5	129-148	NM_021140.3	X	44870200	44870269
KDM6A	6	148-188	NM_021140.3	X	44879849	44879980
KDM6A	7	189-207	NM_021140.3	X	44894170	44894235
KDM6A	8	207-218	NM_021140.3	X	44896894	44896939
KDM6A	9	219-250	NM_021140.3	X	44910948	44911052
KDM6A	10	250-292	NM_021140.3	X	44913068	44913205
KDM6A	11	292-325	NM_021140.3	X	44918245	44918354
KDM6A	12	325-398	NM_021140.3	X	44918486	44918716
KDM6A	13	399-443	NM_021140.3	X	44919261	44919406
KDM6A	14	444-475	NM_021140.3	X	44920563	44920669
KDM6A	15	476-509	NM_021140.3	X	44921886	44921998
KDM6A	16	510-641	NM_021140.3	X	44922661	44923067
KDM6A	17	642-901	NM_021140.3	X	44928818	44929607
KDM6A	18	901-944	NM_021140.3	X	44935936	44936076
KDM6A	19	945-980	NM_021140.3	X	44937639	44937755
KDM6A	20	980-1048	NM_021140.3	X	44938385	44938601
KDM6A	21	1049-1070	NM_021140.3	X	44941815	44941890
KDM6A	22	1070-1095	NM_021140.3	X	44941954	44942039
KDM6A	23	1095-1145	NM_021140.3	X	44942699	44942858
KDM6A	24	1145-1183	NM_021140.3	X	44945104	44945229
KDM6A	25	1183-1246	NM_021140.3	X	44948982	44949180
KDM6A	26	1246-1293	NM_021140.3	X	44949962	44950114
KDM6A	27	1293-1335	NM_021140.3	X	44966649	44966786
KDM6A	28	1336-1392	NM_021140.3	X	44969318	44969499
KDM6A	29	1393-1402	NM_021140.3	X	44970621	44970661
KIT	2	23-113	NM_000222.2	4	55561672	55561952
KIT	8	411-449	NM_000222.2	4	55589744	55589869
KIT	9	449-514	NM_000222.2	4	55592017	55592221
KIT	10	514-549	NM_000222.2	4	55593378	55593495
KIT	11	550-591	NM_000222.2	4	55593576	55593713
KIT	13	628-663	NM_000222.2	4	55594171	55594292
KIT	17	788-828	NM_000222.2	4	55599230	55599363
KIT	18	829-865	NM_000222.2	4	55602658	55602780
KRAS	2	1-37	NM_033360.3	12	25398202	25398323
KRAS	3	38-97	NM_033360.3	12	25380162	25380351
KRAS	4	97-150	NM_033360.3	12	25378542	25378712
MAP2K1	2	27-97	NM_002755.3	15	66727359	66727580
MAP2K1	3	98-146	NM_002755.3	15	66729078	66729235
MAP2K1	6	190-231	NM_002755.3	15	66774087	66774222
MPL	3	72-131	NM_005373.2	1	43804207	43804396
MPL	4	131-230	NM_005373.2	1	43804936	43805245
MPL	5	231-285	NM_005373.2	1	43805629	43805802
MPL	6	285-326	NM_005373.2	1	43806052	43806189
MPL	10	491-521	NM_005373.2	1	43814928	43815035
MPL	12	552-636	NM_005373.2	1	43818183	43818448
NF1	1	1-20	NM_001042492.2	17	29422322	29422392
NF1	2	21-68	NM_001042492.2	17	29482995	29483149
NF1	3	69-96	NM_001042492.2	17	29486022	29486116

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NF1	4	97-160	NM_001042492.2	17	29490198	29490399
NF1	5	160-196	NM_001042492.2	17	29496903	29497020
NF1	6	196-218	NM_001042492.2	17	29508434	29508512
NF1	7	219-244	NM_001042492.2	17	29508722	29508808
NF1	8	244-296	NM_001042492.2	17	29509520	29509688
NF1	9	297-354	NM_001042492.2	17	29527434	29527618
NF1	10	355-395	NM_001042492.2	17	29528049	29528182
NF1	11	396-420	NM_001042492.2	17	29528423	29528508
NF1	12	421-464	NM_001042492.2	17	29533252	29533394
NF1	13	465-509	NM_001042492.2	17	29541463	29541608
NF1	14	510-547	NM_001042492.2	17	29546017	29546141
NF1	15	548-574	NM_001042492.2	17	29548862	29549013
NF1	16	574-615	NM_001042492.2	17	29550456	29550590
NF1	17	616-667	NM_001042492.2	17	29552107	29552273
NF1	18	668-751	NM_001042492.2	17	29553447	29553707
NF1	19	751-775	NM_001042492.2	17	29554230	29554314
NF1	20	776-803	NM_001042492.2	17	29554535	29554629
NF1	21	804-950	NM_001042492.2	17	29556037	29556488
NF1	22	951-997	NM_001042492.2	17	29556847	29556997
NF1	23	997-1038	NM_001042492.2	17	29557272	29557405
NF1	24	1038-1066	NM_001042492.2	17	29557854	29557948
NF1	25	1066-1105	NM_001042492.2	17	29559085	29559212
NF1	26	1105-1166	NM_001042492.2	17	29559712	29559904
NF1	27	1166-1236	NM_001042492.2	17	29560014	29560236
NF1	28	1237-1290	NM_001042492.2	17	29562623	29562795
NF1	29	1291-1325	NM_001042492.2	17	29562930	29563044
NF1	30	1325-1370	NM_001042492.2	17	29575996	29576142
NF1	31	1371-1391	NM_001042492.2	17	29579950	29580023
NF1	32	1392-1444	NM_001042492.2	17	29585356	29585525
NF1	33	1445-1477	NM_001042492.2	17	29586044	29586152
NF1	34	1477-1526	NM_001042492.2	17	29587381	29587538
NF1	35	1526-1575	NM_001042492.2	17	29588723	29588880
NF1	36	1575-1612	NM_001042492.2	17	29592241	29592362
NF1	37	1612-1756	NM_001042492.2	17	29652832	29653275
NF1	38	1757-1870	NM_001042492.2	17	29654511	29654862
NF1	39	1870-1938	NM_001042492.2	17	29657308	29657521
NF1	40	1938-2002	NM_001042492.2	17	29661850	29662054
NF1	41	2003-2049	NM_001042492.2	17	29663345	29663496
NF1	42	2050-2143	NM_001042492.2	17	29663647	29663937
NF1	43	2143-2214	NM_001042492.2	17	29664380	29664605
NF1	44	2215-2235	NM_001042492.2	17	29664831	29664903
NF1	45	2235-2273	NM_001042492.2	17	29665037	29665162
NF1	46	2274-2307	NM_001042492.2	17	29665716	29665828
NF1	47	2308-2354	NM_001042492.2	17	29667517	29667668
NF1	48	2355-2397	NM_001042492.2	17	29670021	29670158
NF1	49	2397-2441	NM_001042492.2	17	29676132	29676274
NF1	50	2441-2486	NM_001042492.2	17	29677195	29677341
NF1	51	2486-2539	NM_001042492.2	17	29679269	29679437
NF1	52	2539-2580	NM_001042492.2	17	29683472	29683605
NF1	53	2580-2623	NM_001042492.2	17	29683972	29684113
NF1	54	2624-2657	NM_001042492.2	17	29684281	29684392
NF1	55	2657-2705	NM_001042492.2	17	29685492	29685645
NF1	56	2705-2720	NM_001042492.2	17	29685981	29686038
NF1	57	2721-2793	NM_001042492.2	17	29687499	29687726
NF1	58	2793-2840	NM_001042492.2	17	29701025	29701178
NPM1	10	258-282	NM_002520.6	5	170834698	170834783
NPM1	11	283-295	NM_002520.6	5	170837525	170837574
NRAS	2	1-37	NM_002524.4	1	115258665	115258786
NRAS	3	38-96	NM_002524.4	1	115256415	115256604

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NRAS	4	97-150	NM_002524.4	1	115252184	115252354
PHF6	2	1-46	NM_001015877.1	X	133511642	133511790
PHF6	3	47-80	NM_001015877.1	X	133512029	133512141
PHF6	4	81-125	NM_001015877.1	X	133527525	133527669
PHF6	5	125-140	NM_001015877.1	X	133527933	133527987
PHF6	6	140-195	NM_001015877.1	X	133547512	133547692
PHF6	7	196-243	NM_001015877.1	X	133547847	133548001
PHF6	8	244-278	NM_001015877.1	X	133549040	133549257
PHF6	9	279-323	NM_001015877.1	X	133551193	133551337
PHF6	10	323-366	NM_001015877.1	X	133559225	133559365
PTPN11	3	46-111	NM_002834.4	12	112888116	112888321
PTPN11	7	253-285	NM_002834.4	12	112910742	112910849
PTPN11	8	285-311	NM_002834.4	12	112915449	112915539
PTPN11	9	312-364	NM_002834.4	12	112915655	112915824
PTPN11	10	365-408	NM_002834.4	12	112919872	112920014
PTPN11	11	409-460	NM_002834.4	12	112924273	112924438
PTPN11	12	460-483	NM_002834.4	12	112926241	112926319
PTPN11	13	483-533	NM_002834.4	12	112926822	112926984
RAD21	2	1-48	NM_006265.2	8	117878819	117878973
RAD21	3	49-92	NM_006265.2	8	117875363	117875503
RAD21	4	92-125	NM_006265.2	8	117874074	117874184
RAD21	5	125-161	NM_006265.2	8	117870585	117870702
RAD21	6	161-230	NM_006265.2	8	117869500	117869717
RAD21	7	230-272	NM_006265.2	8	117868879	117869015
RAD21	8	272-313	NM_006265.2	8	117868399	117868532
RAD21	9	313-387	NM_006265.2	8	117866478	117866712
RAD21	10	388-441	NM_006265.2	8	117864782	117864952
RAD21	11	441-490	NM_006265.2	8	117864181	117864340
RAD21	12	491-540	NM_006265.2	8	117862851	117863011
RAD21	13	541-568	NM_006265.2	8	117861179	117861273
RAD21	14	569-632	NM_006265.2	8	117859733	117859935
RUNX1	2	1-19	NM_001754.4	21	36421133	36421201
RUNX1	3	20-32	NM_001754.4	21	36265216	36265265
RUNX1	4	33-117	NM_001754.4	21	36259134	36259414
RUNX1	5	118-169	NM_001754.4	21	36252848	36253015
RUNX1	6	170-204	NM_001754.4	21	36231765	36231880
RUNX1	7	205-268	NM_001754.4	21	36206701	36206903
RUNX1	8	269-322	NM_001754.4	21	36171592	36171764
RUNX1	9	323-481	NM_001754.4	21	36164426	36164912
SETBP1	4	181-1334	NM_015559.2	18	42529840	42533310
SF3B1	10	414-479	NM_012433.3	2	198269993	198270201
SF3B1	11	480-513	NM_012433.3	2	198269794	198269906
SF3B1	12	514-573	NM_012433.3	2	198268303	198268493
SF3B1	13	574-602	NM_012433.3	2	198267667	198267764
SF3B1	14	603-693	NM_012433.3	2	198267274	198267555
SF3B1	15	693-741	NM_012433.3	2	198266703	198266859
SF3B1	16	742-790	NM_012433.3	2	198266460	198266617
SH2B3	2	1-244	NM_005475.2	12	111855944	111856686
SH2B3	3	245-278	NM_005475.2	12	111884551	111884663
SH2B3	4	279-309	NM_005475.2	12	111884740	111884842
SH2B3	5	309-341	NM_005475.2	12	111884923	111885028
SH2B3	6	341-412	NM_005475.2	12	111885128	111885353
SH2B3	7	413-470	NM_005475.2	12	111885454	111885636
SH2B3	8	470-576	NM_005475.2	12	111885781	111886111
SMC1A	1	1-37	NM_006306.3	X	53449435	53449554
SMC1A	2	37-100	NM_006306.3	X	53441924	53442123
SMC1A	3	100-137	NM_006306.3	X	53441701	53441824
SMC1A	4	138-205	NM_006306.3	X	53440176	53440390
SMC1A	5	206-285	NM_006306.3	X	53439844	53440093

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SMC1A	6	285-371	NM_006306.3	X	53438939	53439208
SMC1A	7	372-418	NM_006306.3	X	53438705	53438856
SMC1A	8	419-446	NM_006306.3	X	53436346	53436439
SMC1A	9	446-515	NM_006306.3	X	53435987	53436205
SMC1A	10	516-577	NM_006306.3	X	53432697	53432893
SMC1A	11	578-637	NM_006306.3	X	53432419	53432609
SMC1A	12	638-686	NM_006306.3	X	53432171	53432328
SMC1A	13	687-732	NM_006306.3	X	53431938	53432086
SMC1A	14	733-771	NM_006306.3	X	53430703	53430830
SMC1A	15	772-807	NM_006306.3	X	53430492	53430609
SMC1A	16	807-854	NM_006306.3	X	53426505	53426657
SMC1A	17	855-903	NM_006306.3	X	53423386	53423542
SMC1A	18	903-954	NM_006306.3	X	53423141	53423305
SMC1A	19	955-991	NM_006306.3	X	53421692	53421813
SMC1A	20	992-1044	NM_006306.3	X	53410012	53410179
SMC1A	21	1044-1095	NM_006306.3	X	53409421	53409586
SMC1A	22	1096-1146	NM_006306.3	X	53409147	53409309
SMC1A	23	1146-1169	NM_006306.3	X	53407933	53408013
SMC1A	24	1170-1206	NM_006306.3	X	53407535	53407656
SMC1A	25	1207-1235	NM_006306.3	X	53407018	53407112
SMC3	1	1-5	NM_005445.3	10	112327569	112327594
SMC3	2	6-31	NM_005445.3	10	112328690	112328776
SMC3	3	31-44	NM_005445.3	10	112333459	112333508
SMC3	4	44-66	NM_005445.3	10	112335088	112335166
SMC3	5	67-90	NM_005445.3	10	112337173	112337255
SMC3	6	91-117	NM_005445.3	10	112337587	112337677
SMC3	7	117-143	NM_005445.3	10	112338380	112338469
SMC3	8	144-183	NM_005445.3	10	112340656	112340784
SMC3	9	183-241	NM_005445.3	10	112341675	112341861
SMC3	10	242-268	NM_005445.3	10	112342314	112342405
SMC3	11	269-323	NM_005445.3	10	112343136	112343311
SMC3	12	324-364	NM_005445.3	10	112343593	112343725
SMC3	13	364-435	NM_005445.3	10	112343935	112344159
SMC3	14	436-470	NM_005445.3	10	112349357	112349471
SMC3	15	470-503	NM_005445.3	10	112349644	112349754
SMC3	16	504-557	NM_005445.3	10	112350164	112350335
SMC3	17	557-604	NM_005445.3	10	112350743	112350895
SMC3	18	605-655	NM_005445.3	10	112352825	112352986
SMC3	19	655-706	NM_005445.3	10	112356150	112356313
SMC3	20	706-756	NM_005445.3	10	112357891	112358053
SMC3	21	757-809	NM_005445.3	10	112359406	112359575
SMC3	22	810-845	NM_005445.3	10	112360191	112360309
SMC3	23	846-882	NM_005445.3	10	112360774	112360893
SMC3	24	882-964	NM_005445.3	10	112361389	112361647
SMC3	25	965-1035	NM_005445.3	10	112361718	112361941
SMC3	26	1036-1099	NM_005445.3	10	112362226	112362428
SMC3	27	1100-1159	NM_005445.3	10	112362577	112362765
SMC3	28	1159-1194	NM_005445.3	10	112362936	112363053
SMC3	29	1195-1218	NM_005445.3	10	112363983	112364065
SRP72	1	1-37	NM_006947.3	4	57333796	57333915
SRP72	2	37-77	NM_006947.3	4	57335813	57335944
SRP72	3	77-118	NM_006947.3	4	57337880	57338014
SRP72	4	119-166	NM_006947.3	4	57340214	57340368
SRP72	5	167-204	NM_006947.3	4	57340440	57340562
SRP72	6	204-214	NM_006947.3	4	57342831	57342873
SRP72	7	215-256	NM_006947.3	4	57344539	57344674
SRP72	8	256-275	NM_006947.3	4	57344752	57344820
SRP72	9	276-319	NM_006947.3	4	57349299	57349441
SRP72	10	320-362	NM_006947.3	4	57350896	57351035

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SRP72	11	363-387	NM_006947.3	4	57352485	57352568
SRP72	12	387-408	NM_006947.3	4	57354109	57354184
SRP72	13	409-440	NM_006947.3	4	57355548	57355654
SRP72	14	441-475	NM_006947.3	4	57356493	57356607
SRP72	15	475-501	NM_006947.3	4	57356728	57356816
SRP72	16	501-547	NM_006947.3	4	57357591	57357739
SRP72	17	547-560	NM_006947.3	4	57361517	57361565
SRP72	18	560-613	NM_006947.3	4	57366696	57366866
SRP72	19	613-672	NM_006947.3	4	57367844	57368032
SRSF2	1	1-121	NM_003016.4	17	74732875	74733247
SRSF2	2	121-222	NM_003016.4	17	74732237	74732551
STAG2	3	1-15	NM_001042749.2	X	123156472	123156526
STAG2	4	15-41	NM_001042749.2	X	123159684	123159773
STAG2	5	42-96	NM_001042749.2	X	123164805	123164980
STAG2	6	97-129	NM_001042749.2	X	123171371	123171478
STAG2	7	129-154	NM_001042749.2	X	123176413	123176500
STAG2	8	155-223	NM_001042749.2	X	123179008	123179223
STAG2	9	223-273	NM_001042749.2	X	123181198	123181360
STAG2	10	274-298	NM_001042749.2	X	123182849	123182933
STAG2	11	298-339	NM_001042749.2	X	123184030	123184164
STAG2	12	340-372	NM_001042749.2	X	123184965	123185074
STAG2	13	373-399	NM_001042749.2	X	123185159	123185249
STAG2	14	399-435	NM_001042749.2	X	123189972	123190090
STAG2	15	435-472	NM_001042749.2	X	123191710	123191832
STAG2	16	473-512	NM_001042749.2	X	123195068	123195196
STAG2	17	512-546	NM_001042749.2	X	123195615	123195729
STAG2	18	547-577	NM_001042749.2	X	123196746	123196849
STAG2	19	578-607	NM_001042749.2	X	123196960	123197060
STAG2	20	608-675	NM_001042749.2	X	123197692	123197906
STAG2	21	676-699	NM_001042749.2	X	123199720	123199801
STAG2	22	699-728	NM_001042749.2	X	123200019	123200117
STAG2	23	729-755	NM_001042749.2	X	123200200	123200291
STAG2	24	756-786	NM_001042749.2	X	123202408	123202511
STAG2	25	787-845	NM_001042749.2	X	123204993	123205178
STAG2	26	845-891	NM_001042749.2	X	123210176	123210326
STAG2	27	892-925	NM_001042749.2	X	123211801	123211913
STAG2	28	926-975	NM_001042749.2	X	123215224	123215383
STAG2	29	975-1018	NM_001042749.2	X	123217265	123217404
STAG2	30	1018-1093	NM_001042749.2	X	123220391	123220625
STAG2	31	1093-1156	NM_001042749.2	X	123224419	123224619
STAG2	32	1156-1193	NM_001042749.2	X	123224698	123224819
STAG2	33	1193-1235	NM_001042749.2	X	123227862	123227999
STAG2	34	1236-1261	NM_001042749.2	X	123229216	123229304
STAG2	35	1262-1269	NM_001042749.2	X	123234418	123234452
STAT3	6	157-183	NM_139276.2	17	40490743	40490835
STAT3	13	381-411	NM_139276.2	17	40481566	40481670
STAT3	20	584-629	NM_139276.2	17	40475016	40475166
STAT3	21	630-701	NM_139276.2	17	40474294	40474517
STAT5B	16	637-692	NM_012448.3	17	40359570	40359751
SUZ12	1	1-92	NM_015355.3	17	30264260	30264544
SUZ12	2	92-107	NM_015355.3	17	30267299	30267356
SUZ12	3	108-129	NM_015355.3	17	30267435	30267510
SUZ12	4	129-152	NM_015355.3	17	30274630	30274709
SUZ12	5	152-169	NM_015355.3	17	30293160	30293220
SUZ12	6	169-197	NM_015355.3	17	30300159	30300255
SUZ12	7	198-275	NM_015355.3	17	30302495	30302737
SUZ12	8	275-306	NM_015355.3	17	30303534	30303638
SUZ12	9	306-341	NM_015355.3	17	30310012	30310128
SUZ12	10	342-401	NM_015355.3	17	30315333	30315521



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SUZ12	11	401-431	NM_015355.3	17	30320255	30320357
SUZ12	12	432-479	NM_015355.3	17	30320878	30321032
SUZ12	13	480-532	NM_015355.3	17	30321577	30321745
SUZ12	14	532-598	NM_015355.3	17	30322577	30322786
SUZ12	15	599-625	NM_015355.3	17	30323811	30323901
SUZ12	16	625-740	NM_015355.3	17	30325671	30326027
TET2	3	1-1136	NM_001127208.2	4	106155094	106158602
TET2	4	1137-1167	NM_001127208.2	4	106162490	106162591
TET2	5	1167-1198	NM_001127208.2	4	106163985	106164089
TET2	6	1199-1268	NM_001127208.2	4	106164721	106164940
TET2	7	1268-1318	NM_001127208.2	4	106180770	106180931
TET2	8	1319-1348	NM_001127208.2	4	106182910	106183010
TET2	9	1349-1394	NM_001127208.2	4	106190761	106190909
TET2	10	1395-1513	NM_001127208.2	4	106193715	106194080
TET2	11	1513-2003	NM_001127208.2	4	106196199	106197681
TP53	2	1-25	NM_000546.5	17	7579833	7579917
TP53	3	25-32	NM_000546.5	17	7579694	7579726
TP53	4	33-125	NM_000546.5	17	7579306	7579595
TP53	5	126-187	NM_000546.5	17	7578365	7578559
TP53	6	187-224	NM_000546.5	17	7578171	7578294
TP53	7	225-261	NM_000546.5	17	7577493	7577613
TP53	8	261-307	NM_000546.5	17	7577013	7577160
TP53	9	307-331	NM_000546.5	17	7576847	7576931
TP53	10	332-367	NM_000546.5	17	7573921	7574038
TP53	11	367-394	NM_000546.5	17	7572921	7573013
U2AF1	2	15-44	NM_006758.2	21	44524419	44524517
U2AF1	6	117-161	NM_006758.2	21	44514759	44514903
WT1	1	1-216	NM_024426.4	11	32456240	32456896
WT1	2	216-257	NM_024426.4	11	32450037	32450170
WT1	3	257-291	NM_024426.4	11	32449496	32449609
WT1	4	291-317	NM_024426.4	11	32439117	32439205
WT1	5	317-334	NM_024426.4	11	32438030	32438091
WT1	6	334-366	NM_024426.4	11	32421488	32421595
WT1	7	367-417	NM_024426.4	11	32417797	32417958
WT1	8	417-447	NM_024426.4	11	32414206	32414306
WT1	9	447-478	NM_024426.4	11	32413512	32413615
WT1	10	478-518	NM_024426.4	11	32410598	32410730
ZRSR2	1	1-14	NM_005089.3	X	15808613	15808664
ZRSR2	2	14-41	NM_005089.3	X	15809051	15809141
ZRSR2	3	41-68	NM_005089.3	X	15817989	15818081
ZRSR2	4	68-104	NM_005089.3	X	15821805	15821924
ZRSR2	5	105-133	NM_005089.3	X	15822228	15822325
ZRSR2	6	134-146	NM_005089.3	X	15826350	15826399
ZRSR2	7	147-186	NM_005089.3	X	15827317	15827446
ZRSR2	8	186-257	NM_005089.3	X	15833794	15834018
ZRSR2	9	258-276	NM_005089.3	X	15836704	15836770
ZRSR2	10	276-313	NM_005089.3	X	15838324	15838444
ZRSR2	11	313-483	NM_005089.3	X	15840848	15841370