

**Illumina Cancer Hotspot Panel v2 Gene Coverage & Transcripts**

<b>Gene, Gene Build, and Transcript</b>	<b>Chromosome</b>	<b>Exon (partial/full coverage)</b>	<b>Start Position</b>	<b>End Position</b>
<b>MPL (LRG_510 t1 NM_005373.2)</b>	chr1	10 (partial)	43814944 g.16,495 c.1504	43815111 g.16,612 c.1565+56
<b>NRAS (LRG_92 t1 NM_002524.3)</b>	chr1	2 (partial)	115252161 g.5,742 c.8	115252294 g.5,826 c.92
3 (partial)		115256480 g.7,932 c.127	115256609 g.8,011 c.206	
4 (partial)		115258665 g.12,247 c.371	115258799 g.12,330 c.450+4	
<b>ALK (LRG_488 t1 NM_004304.3)</b>	chr2	23 (partial)	29432548 g.705,704 c.3516-28	29432705 g.705,825 c.3609
25 (partial)		29443583 g.716,753 c.3808	29443754 g.716,860 c.3836+79	
<b>IDH1 (LRG_610 t3 NM_001282386.1)</b>	chr2	4 (partial)	209113079 g.22,593 c.301	209113231 g.22,695 c.403
<b>ERBB4 (GRCh37 (hg19) NM_005235.2)</b>	chr2	3 (partial)	212288880 g.212,812,169 c.407	212289015 g.212,812,076 c.421+79
4 (partial)		212530027 g.212,652,806 c.500	212530205 g.212,652,720 c.556+30	
6 (partial)		212576775 g.212,589,867 c.675	212576935 g.212,589,765 c.741+36	
7 (partial)		212578264 g.212,587,239 c.762	212578440 g.212,587,134 c.867	
8 (partial)		212587109 g.212,578,415 c.884-42	212587264 g.212,578,289 c.968	
9 (partial)		212589740 g.212,576,910 c.998-9	212589892 g.212,576,800 c.1099	
15		212652695	212652831	

		(partial)	g.212,530,180 c.1739	g.212,530,052 c.1867
		23 (partial)	212812051 g.212,288,990 c.2756	212812194 g.212,288,905 c.2841
<b>VHL</b> (LRG_322 t1 NM_000551.3)	chr3	1 (partial)	10183741 g.5,448 c.235	10183879 g.5,536 c.323
		2 (partial)	10188162 g.9,869 c.341-11	10188331 g.9,988 c.449
		3 (partial)	10191394 g.13,101 c.464-52	10191552 g.13,209 c.520
<b>MLH1</b> (LRG_216 t1 NM_000249.3)	chr3	12 (partial)	37067183 g.37,368 c.1119	37067358 g.37,493 c.1244
<b>CTNNB1</b> (GRCh37 (hg19) NM_001098209.1)	chr3	3 (partial)	41266005 g.41,266,030 c.27	41266172 g.41,266,147 c.144
<b>PIK3CA</b> (LRG_310 t1 NM_006218.2)	chr3	2 (partial 1 of 2)	178916751 g.55,466 c.163	178916906 g.55,571 c.268
		2 (partial 2 of 2)	178916907 g.55,622 c.319	178917060 g.55,725 c.352+70
		5 (partial)	178921440 g.60,155 c.947	178921595 g.60,260 c.1052
		7 (partial)	178927381 g.66,096 c.1169	178927550 g.66,215 c.1251+37
		8 (partial 1 of 2)	178927877 g.66,592 c.1252-72	178928011 g.66,676 c.1264
		8 (partial 2 of 2)	178928045 g.66,760 c.1348	178928185 g.66,850 c.1404+34
		10 (partial)	178935999 g.74,714 c.1566	178936130 g.74,795 c.1647
		14 (partial)	178938763 g.77,478 c.2030	178938943 g.77,608 c.2160

		19 (partial)	178947794 g.86,509 c.2694	178947921 g.86,586 c.2771
		21 (partial 1 of 2)	178951972 g.90,687 c.3052	178952122 g.90,787 c.3152
		21 (partial 2 of 2)	178952116 g.90,831 c.3196	178952262 g.90,927 c.*85
<b>FGFR3</b> (LRG_1021 t2 NM_001163213.1)	chr4	7 (partial)	1803527 g.13,514 c.740-10	1803678 g.13,615 c.831
		9 (partial)	1806057 g.16,044 c.1107	1806212 g.16,149 c.1212
		14 (partial)	1807809 g.17,796 c.1899	1807955 g.17,892 c.1965+30
		16 (partial)	1808287 g.18,274 c.2076	1808424 g.18,361 c.2163
		18 (partial)	1808857 g.18,844 c.2320	1809031 g.18,968 c.*17
<b>PDGFRA</b> (LRG_309 t1 NM_006206.4)	chr4	12 (partial)	55140957 g.50,719 c.1654-26	55141128 g.50,840 c.1749
		14 (partial)	55144077 g.53,839 c.1931	55144220 g.53,932 c.2002+22
		15 (partial)	55144514 g.54,276 c.2013	55144678 g.54,390 c.2127
		18 (partial)	55152000 g.61,762 c.2457	55152179 g.61,891 c.2562+24
<b>KIT</b> (LRG_307 NM_000222.2)	chr4	2 (partial)	55561630 g.42,495 c.68-23	55561809 g.42,624 c.174
		9 (partial)	55592133 g.72,998 c.1482	55592271 g.73,086 c.1540+30
		10 (partial)	55593393 g.74,258 c.1575	55593538 g.74,353 c.1647+23

		11 (partial)	55593551 g.74,416 c.1648-6	55593720 g.74,535 c.1761
		13 (partial)	55594146 g.75,011 c.1880-6	55594304 g.75,119 c.1982
		14 (partial)	55595472 g.76,337 c.1991-4	55595587 g.76,402 c.2052
		15 (partial)	55597412 g.78,277 c.2142-57	55597549 g.78,364 c.2172
		17 (partial)	55599256 g.80,121 c.2407	55599383 g.80,198 c.2484
		18 (partial)	55602649 g.83,514 c.2495	55602776 g.83,591 c.2572
<b>KDR (GRCh37 (hg19) NM_002253.2)</b>	chr4	6 (partial)	55946064 g.55,980,359 c.732	55946233 g.55,980,239 c.798+54
		7 (partial)	55946226 g.55,979,655 c.799-7	55946396 g.55,979,575 c.872
		11 (partial)	55953751 g.55,973,071 c.1413-94	55953885 g.55,972,953 c.1437
		19 (partial)	55955054 g.55,962,548 c.2615-39	55955193 g.55,962,445 c.2679
		21 (partial)	55960952 g.55,961,059 c.2881	55961084 g.55,960,977 c.2963
		26 (partial)	55962420 g.55,955,168 c.3405-28	55962573 g.55,955,079 c.3466
		27 (partial)	55972928 g.55,953,860 c.3576	55973096 g.55,953,776 c.3660
		30 (partial 1 of 2)	55979550 g.55,946,371 c.3849-41	55979680 g.55,946,251 c.3928
		30 (partial 2 of 2)	55980214 g.55,946,208 c.3971	55980384 g.55,946,089 c.*19
<b>FBXW7 (GRCh37 (hg19))</b>	chr4	7 (partial)	153245386 g.153,259,023	153245517 g.153,258,902

<b>NM_001349798.1)</b>			c.792	c.861+52
		10 (partial)	153247253 g.153,250,926 c.1134	153247394 g.153,250,853 c.1207
		11 (partial)	153249331 g.153,249,477 c.1301	153249502 g.153,249,356 c.1418+4
		12 (partial)	153250828 g.153,247,369 c.1433	153250951 g.153,247,278 c.1524
		13 (partial)	153258877 g.153,245,492 c.1699	153259048 g.153,245,411 c.1780
<b>APC (LRG_130 t2 NM_001127510.1)</b>	chr5	17 (partial 1 of 7)	112173847 g.150,655 c.2581	112173987 g.150,745 c.2671
		17 (partial 2 of 7)	112174533 g.151,341 c.3267	112174691 g.151,449 c.3375
		17 (partial 3 of 7)	112175119 g.151,927 c.3853	112175293 g.152,051 c.3977
		17 (partial 4 of 7)	112175291 g.152,099 c.4025	112175468 g.152,226 c.4152
		17 (partial 5 of 7)	112175543 g.152,351 c.4277	112175728 g.152,486 c.4412
		17 (partial 6 of 7)	112175716 g.152,524 c.4450	112175887 g.152,645 c.4571
		17 (partial 7 of 7)	112175896 g.152,704 c.4630	112176060 g.152,818 c.4744
<b>CSF1R (GRCh37 (hg19) NM_001349736.1)</b>	chr5	8 (partial)	149433569 g.149,453,073 c.890-17	149433717 g.149,452,992 c.954
		23 (partial)	149452967 g.149,433,692 c.2859	149453098 g.149,433,594 c.*38
<b>NPM1 (LRG_458 t1 NM_002520.6)</b>	chr5	11 (full)	170837477 g.27,795 c.847-29	170837641 g.27,909 c.*47
<b>EGFR</b>	chr7	3 (partial)	55211020	55211151

<b>(LRG_304 t1 NM_005228.3)</b>			g.129,321 c.288	g.129,402 c.369
		7 (partial)	55221768 g.140,069 c.837	55221944 g.140,185 c.889+74
		15 (partial)	55232938 g.151,239 c.1723-10	55233078 g.151,329 c.1803
		18 (partial)	55241611 g.159,912 c.2084	55241754 g.160,005 c.2177
		19 (full)	55242387 g.160,688 c.2185-3	55242565 g.160,816 c.2283+27
		20 (partial 1 of 2)	55248941 g.167,242 c.2284-20	55249115 g.167,366 c.2388
		20 (partial 2 of 2)	55249098 g.167,399 c.2421	55249270 g.167,521 c.2469+74
		21 (partial)	55259483 g.177,784 c.2566	55259653 g.177,904 c.2625+61
<b>MET (LRG_662 t1 NM_001127500.1)</b>	chr7	2 (partial 1 of 2)	116339591 g.32,158 c.478	116339726 g.32,243 c.563
		2 (partial 2 of 2)	116340131 g.32,698 c.1018	116340295 g.32,812 c.1132
		11 (partial)	116403107 g.95,674 c.2447	116403276 g.95,793 c.2566
		14 (partial)	116411854 g.104,421 c.2942-24	116412022 g.104,539 c.3036
		16 (full)	116417403 g.109,970 c.3314-15	116417567 g.110,084 c.3394+19
		19 (partial)	116423383 g.115,950 c.3737	116423517 g.116,034 c.3821
<b>SMO (GRCh37 (hg19) NM_005631.5)</b>	chr7	3 (partial)	128845039 g.128,845,064 c.558	128845213 g.128,845,188 c.682
		5 (partial)	128845933 g.128,845,958 c.921-33	128846088 g.128,846,063 c.993

		6 (partial)	128846313 g.128,846,338 c.1174	128846444 g.128,846,419 c.1255
		9 (partial)	128850245 g.128,850,270 c.1533	128850388 g.128,850,363 c.1626
		11 (partial)	128851475 g.128,851,500 c.1825	128851637 g.128,851,612 c.1936+1
<b>BRAF</b> (LRG_299 t1 NM_004333.4)	chr7	11 (partial)	140453078 g.148,050 c.1315-22	140453246 g.148,173 c.1416
		15 (partial)	140481367 g.176,344 c.1742-28	140481540 g.176,462 c.1832
<b>EZH2</b> (LRG_531 t1 NM_004456.4)	chr7	16 (partial)	148508682 g.77,651 c.1873	148508816 g.77,735 c.1947+10
<b>FGFR1</b> (LRG_993 t1 NM_023110.2)	chr8	4 (full)	38282116 g.45,378 c.359-22	38282279 g.45,501 c.448+12
		7 (partial)	38285827 g.49,099 c.746-37	38286000 g.49,212 c.822
<b>JAK2</b> (LRG_612 t1 NM_004972.3)	chr9	14 (partial)	5073705 g.93,486 c.1809	5073882 g.96,613 c.1864+72
<b>CDKN2A</b> (LRG_11 t1 NM_000077.4)	chr9	2 (partial 1 of 2)	21970916 g.28,272 c.151-12	21971091 g.28,400 c.267
		2 (partial 2 of 2)	21971066 g.28,425 c.292	21971244 g.28,550 c.417
<b>GNAQ</b> (GRCh37 (hg19) NM_002072.3)	chr9	5 (partial)	80409351 g.80,409,498 c.616	80409523 g.80,409,376 c.735+3
<b>ABL1</b> (GRCh37 (hg19) NM_007313.2)	chr9	4 (partial)	133738270 g.133,738,295 c.752	133738403 g.133,738,378 c.835
		5 (partial)	133747418 g.133,747,443 c.880-73	133747555 g.133,747,530 c.894

		6 (partial)	133748255 g.133,748,280 c.998	133748442 g.133,748,417 c.1135
		7 (partial)	133750283 g.133,750,308 c.1196	133750430 g.133,750,405 c.1293
<b>NOTCH1</b> <b>(GRCh37 (hg19)</b> <b>NM_017617.3)</b>	chr9	26 (partial)	139390740 g.139,399,447 c.4696	139390910 g.139,399,338 c.4805
		27 (partial)	139397738 g.139,397,879 c.5019-97	139397904 g.139,397,763 c.5038
		34 (partial)	139399313 g.139,390,885 c.7306	139399472 g.139,390,765 c.7426
<b>RET</b> <b>(LRG_518 t1</b> <b>NM_020975.4)</b>	chr10	10 (partial)	43609042 g.41,551 c.1823	43609207 g.41,666 c.1879+59
		11 (partial)	43609850 g.42,359 c.1880-53	43610035 g.42,494 c.1962
		13 (partial)	43613770 g.46,279 c.2285-26	43613918 g.46,377 c.2357
		15 (partial)	43615522 g.48,031 c.2626	43615712 g.48,171 c.2730+36
		16 (partial)	43617290 g.49,799 c.2731-79	43617458 g.49,917 c.2770
<b>PTEN</b> <b>(LRG_311 t1</b> <b>NM_000314.4)</b>	chr10	1 (partial)	89624183 g.6,013 c.-19	89624325 g.6,105 c.74
		3 (full)	89685234 g.67,064 c.165-11	89685399 g.67,179 c.209+60
		5 (partial)	89692789 g.74,619 c.298	89692945 g.74,725 c.404
		6 (partial)	89711780 g.93,610 c.493-70	89711957 g.93,737 c.550
		7 (partial 1 of 2)	89717479 g.99,309 c.635-106	89717645 g.99,425 c.645



		7 (partial 2 of 2)	89717642 g.99,472 c.692	89717805 g.99,585 c.801+4
		8 (partial 1 of 2)	89720671 g.102,501 c.847	89720772 g.102,552 c.898
		8 (partial 2 of 2)	89720760 g.102,590 c.936	89720925 g.102,705 c.1026+25
<b>FGFR2</b> (LRG_994 t2 NM_022970.3)	chr10	7 (partial 1 of 2)	123257928 g.83,260 c.749-30	123258070 g.83,365 c.824
		7 (partial 2 of 2)	123274697 g.83,429 c.888	123274860 g.83,555 c.939+75
		9 (partial)	123279393 g.88,138 c.1088-2	123279569 g.88,251 c.1199
		12 (partial)	123279583 g.104,928 c.1639	123279738 g.105,020 c.1675+56
<b>HRAS</b> (GRCh37 (hg19) NM_005343.2)	chr11	2 (partial)	533788 g.534,308 c.15	533955 g.534,221 c.102
		3 (partial)	534196 g.533,930 c.126	534333 g.533,813 c.243
<b>ATM</b> (LRG_135 t1 NM_000051.3)	chr11	8 (partial)	108117741 g.29,208 c.977	108117890 g.29,307 c.1065+11
		9 (partial)	108119791 g.31,258 c.1222	108119916 g.31,333 c.1235+62
		12 (partial)	108123491 g.34,958 c.1803-28	108123643 g.35,060 c.1877
		17 (partial)	108137907 g.49,374 c.2501	108138050 g.49,467 c.2594
		26 (partial)	108155059 g.66,526 c.3877	108155205 g.66,622 c.3973
		34 (partial)	108170432 g.81,899 c.5022	108170581 g.81,998 c.5121
		35 (partial)	108172338	108172492

			g.83,805 c.5178-12	g.83,909 c.5270
		36 (partial)	108173606 g.85,073 c.5371	108173728 g.85,145 c.5443
		39 (partial)	108180878 g.92,345 c.5779	108180985 g.92,402 c.5836
		50 (partial)	108200891 g.112,358 c.7308-25	108201018 g.112,435 c.7360
		54 (partial)	108204610 g.116,077 c.7950	108204709 g.116,126 c.7999
		55 (partial)	108205707 g.117,174 c.8047	108205841 g.117,258 c.8131
		56 (partial)	108206499 g.117,966 c.8152-48	108206653 g.118,070 c.8208
		59 (partial)	108217991 g.129,458 c.8595	108218169 g.129,586 c.8671+52
		61 (partial)	108225525 g.136,992 c.8799	108225657 g.137,074 c.8850+31
		63 (partial 1 of 2)	108236018 g.147,485 c.8988-9	108236165 g.147,582 c.9076
		63 (partial 2 of 2)	108236162 g.147,629 c.9123	108236310 g.147,727 c.*50
<b>KRAS (GRCh37 (hg19) NM_033360.2)</b>	chr12	2 (partial)	25378525 g.25,398,304 c.15	25378683 g.25,398,187 c.111+21
		3 (partial)	25380236 g.25,380,364 c.112-18	25380389 g.25,380,261 c.197
		4 (partial)	25398162 g.25,378,658 c.340	25398329 g.25,378,550 c.448
<b>PTPN11 (LRG_614 t1 NM_002834.3)</b>	chr12	3 (partial)	112888094 g.36,584 c.138-3	112888253 g.36,693 c.244
		13 (partial)	112926811 g.75,301 c.1456	112926986 g.75,426 c.1581

<b>HNFI1A</b> (LRG_522 t1 NM_000545.5)	chr12	3 (partial)	121431347 g.19,824 c.576	121431484 g.19,911 c.663
		4 (partial)	121431986 g.20,463 c.758	121432124 g.20,551 c.846
<b>FLT3</b> (LRG_457 t1 NM_004119.2)	chr13	11 (partial)	28592555 g.69,522 c.1310-4	28592688 g.69,612 c.1396
		14 (partial)	28602251 g.71,358 c.1708	28602404 g.71,478 c.1828
		16 (partial)	28608203 g.77,327 c.1989	28608373 g.77,430 c.2053+39
		20 (partial)	28610069 g.87,043 c.2482	28610209 g.87,126 c.2541+24
<b>RB1</b> (LRG_517 t1 NM_000321.2)	chr13	4 (partial)	48919199 g.46,342 c.389	48919337 g.46,430 c.477
		6 (partial)	48923115 g.50,258 c.588	48923280 g.50,373 c.607+96
		10 (partial)	48941577 g.68,720 c.940-28	48941749 g.68,842 c.1034
		11 (partial)	48942573 g.69,716 c.1050-65	48942736 g.69,829 c.1098
		14 (partial)	48953729 g.80,872 c.1357	48953899 g.80,992 c.1389+88
		17 (partial)	48955501 g.82,644 c.1642	48955630 g.82,723 c.1695+26
		18 (partial)	49027081 g.154,224 c.1696-23	49027203 g.154,296 c.1745
		20 (partial)	49033803 g.160,946 c.1965	49033959 g.161,052 c.2071
		21 (partial)	49037822 g.164,965 c.2107-20	49037957 g.165,050 c.2172
		22 (partial)	49039125	49039257

			g.166,268 c.2228	g.166,350 c.2310
<b>AKT1 (LRG_721 t1 NM_001014432.1)</b>	chr14	4 (partial)	105241409 g.20,499 c.47-30	105241544 g.20,636 c.154
		7 (partial)	105246421 g.25,563 c.461	105246608 g.25,648 c.546
<b>IDH2 (LRG_611 t2 NM_002168.3)</b>	chr15	4 (partial)	90631800 g.18,755 c.399	90631979 g.18,884 c.528
<b>CDH1 (LRG_301 t1 NM_004360.3)</b>	chr16	3 (partial)	68835578 g.69,409 c.194	68835722 g.69,503 c.288
		8 (partial)	68846000 g.79,831 c.1009-13	68846176 g.79,957 c.1122
		9 (partial)	68847175 g.81,006 c.1138-16	68847327 g.81,108 c.1224
<b>TP53 (LRG_321 t1 NM_000546.5)</b>	chr17	2 (partial)	7573899 g.15,909 c.1-48	7574060 g.16,015 c.59
		4 (partial)	7576991 g.16,384 c.202	7577176 g.16,518 c.337
		5 (partial 1 of 2)	7577484 g.17,268 c.376-47	7577637 g.17,352 c.413
		5 (partial 2 of 2)	7578156 g.17,386 c.447	7578323 g.17,516 c.559+18
		6 (partial)	7578328 g.17,571 c.560-9	7578508 g.17,688 c.668
		7 (partial)	7578492 g.18,257 c.673-4	7578626 g.18,360 c.772
		8 (partial)	7579326 g.18,718 c.787	7579510 g.18,853 c.919+3
		10 (full)	7579829 g.21,834 c.994-2	7579985 g.21,945 c.1100+3

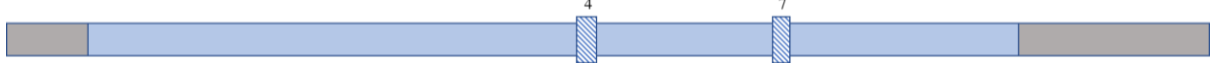
<b>ERBB2</b> (LRG_724 t2 NM_004448.3)	chr17	19 (partial)	37880188 g.40,821 c.2257	37880365 g.40,948 c.2307+77
		20 (partial)	37880929 g.41,562 c.2308-25	37881086 g.41,669 c.2390
		21 (partial)	37881300 g.41,933 c.2517	37881478 g.42,061 c.2645
<b>SMAD4</b> (LRG_318 t1 NM_005359.5)	chr18	3 (partial)	48575075 g.85,691 c.294	48575238 g.85,804 c.407
		4 (partial)	48575532 g.86,148 c.425-108	48575702 g.86,268 c.437
		5 (partial)	48581166 g.91,782 c.495	48581327 g.91,893 c.606
		6 (partial)	48584527 g.95,143 c.725	48584703 g.95,269 c.788-32
		8 (partial)	48586227 g.96,843 c.921	48586386 g.96,952 c.955+75
		9 (partial)	48591790 g.102,406 c.978	48591956 g.102,522 c.1094
		10 (partial)	48593375 g.103,991 c.1151	48593544 g.104,110 c.1270
		11 (partial)	48603004 g.113,620 c.1330	48603144 g.113,710 c.1420
		12 (partial)	48604634 g.115,250 c.1481	48604799 g.115,365 c.1596
<b>STK11</b> (LRG_319 t1 NM_000455.4)	chr19	1 (partial)	1206953 g.22,573 c.66	1207129 g.22,699 c.192
		4 (partial)	1220286 g.35,906 c.465-61	1220475 g.36,045 c.543
		5 (partial)	1220456 g.36,076 c.574	1220628 g.36,198 c.621
		6 (partial)	1221212 g.36,832	1221357 g.36,927

			c.760	c.855
		8 (partial)	1222990 g.38,610 c.952	1223169 g.38,739 c.1081
<b>GNA11 (GRCh37 (hg19) NM_002067.2)</b>	chr19	5 (partial)	3118857 g.3,118,882 c.606-40	3118998 g.3,118,973 c.657
<b>JAK3 (LRG_77 t1 NM_000215.3)</b>	chr19	4 (partial)	17945592 g.9,576 c.384	17945759 g.9,666 c.420+54
		13 (partial)	17947962 g.15,727 c.1702-52	17948099 g.15,814 c.1737
		16 (partial)	17954110 g.18,067 c.2126	17954250 g.18,184 c.2199+44
<b>SRC (LRG_1018 t1 NM_198291.2)</b>	chr20	14 (partial)	36031642 g.63,580 c.1496	36031794 g.63,682 c.1598
<b>GNAS (GRCh37 (hg19) NM_080425.3)</b>	chr20	8 (full)	57484372 g.57,484,397 c.2515-8	57484529 g.57,484,504 c.2588+26
		9 (full)	57484538 g.57,484,563 c.2589-13	57484697 g.57,484,672 c.2647+38
<b>SMARCB1 (LRG_520 t1 NM_003073.3)</b>	chr22	2 (partial)	24133929 g.9,805 c.105	24134089 g.9,915 c.215
		4 (partial)	24143176 g.19,052 c.433	24143336 g.19,162 c.500+43
		5 (partial)	24145453 g.21,329 c.501-4	24145623 g.21,449 c.617
		9 (full)	24176235 g.52,111 c.1119-68	24176416 g.52,242 c.*24

*ABL1* GRCh37 (hg19) NM\_007313.2



*AKT1* LRG\_721 t1 NM\_001014432.1



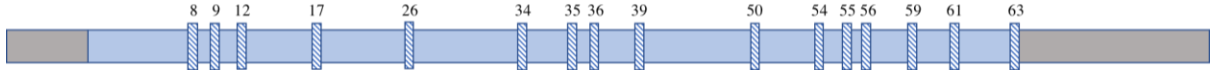
*ALK* LRG\_488 t1 NM\_004304.3



*APC* LRG\_130 t2 NM\_001127510.1



*ATM* LRG\_135 t1 NM\_000051.3



*BRAF* LRG\_299 t1 NM\_004333.4



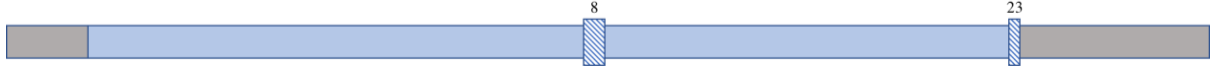
*CDH1* LRG\_301 t1 NM\_004360.3



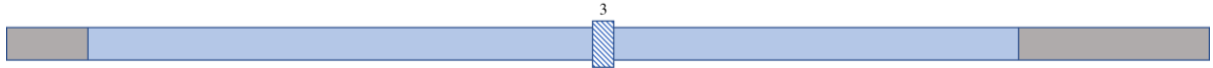
*CDKN2A* LRG\_11 t1 NM\_000077.4



*CSF1R* GRCh37 (hg19) NM\_001349736.1



*CTNNB1* GRCh37 (hg19) NM\_001098209.1



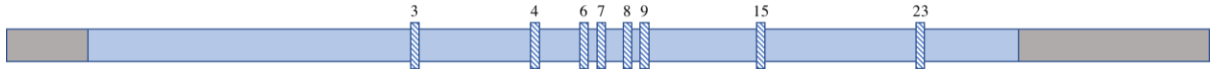
*EGFR* LRG\_304 t1 NM\_005228.3



*ERBB2* LRG\_724 t2 NM\_004448.3



*ERBB4* GRCh37 (hg19) NM\_004456.4



*EZH2* LRG\_531 t1 NM\_004456.4



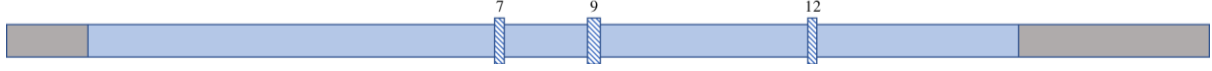
*FBXW7* GRCh37 (hg19) NM\_001349798.1



*FGFR1* LRG\_993 t1 NM\_023110.2



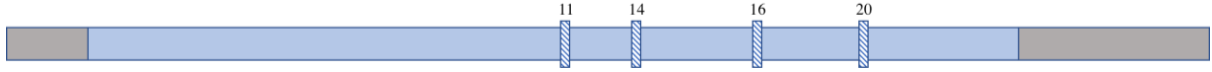
*FGFR2* LRG\_994 t2 NM\_022970.3



*FGFR3* LRG\_1021 t2 NM\_001163213.1



*FLT3* LRG\_457 t1 NM\_004119.2



*GNA11* GRCh37 (hg19) NM\_002067.2



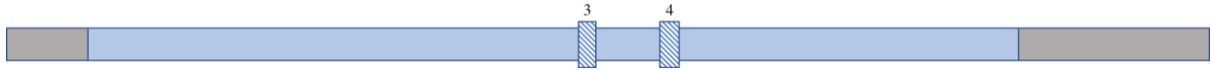
*GNAQ* GRCh37 (hg19) NM\_002072.3



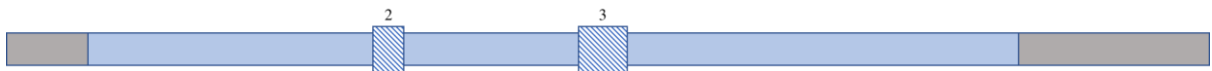
*GNAS* GRCh37 (hg19) NM\_080425.3



*HNF1A* LRG\_552 t1 NM\_000545.5



*HRAS* GRCh37 (hg19) NM\_005343.2



*IDH1* LRG\_610 t3 NM\_001282386.1





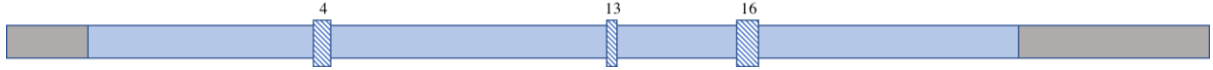
*IDH2* LRG\_611 t2 NM\_002168.3



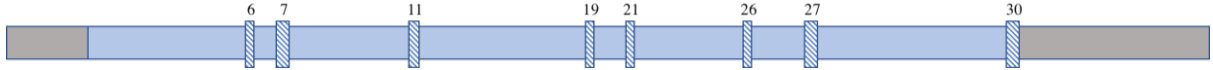
*JAK2* LRG\_612 t1 NM\_004972.3



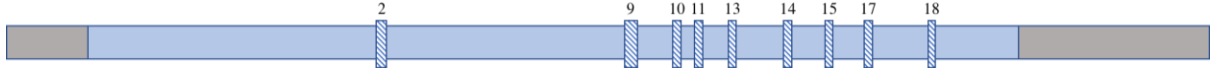
*JAK3* LRG\_77 t1 NM\_000215.3



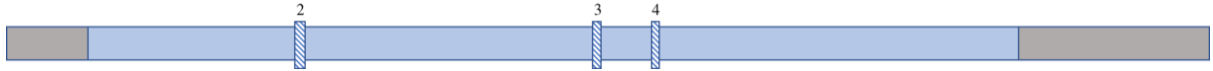
*KDR* GRCh37 (hg19) NM\_002253.2



*KIT* LRG\_307 t1 NM\_000222.2



*KRAS* GRCh37 (hg19) NM\_033360.2



*MET* LRG\_662 t1 NM\_001127500.1



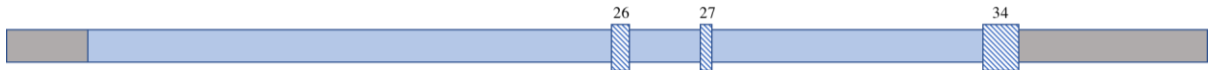
*MLH1* LRG\_216 t1 NM\_000249.3



*MPL* LRG\_510 t1 NM\_005373.2



*NOTCH1* GRCh37 (hg19) NM\_017617.3



*NPM1* LRG\_458 t1 NM\_002520.6



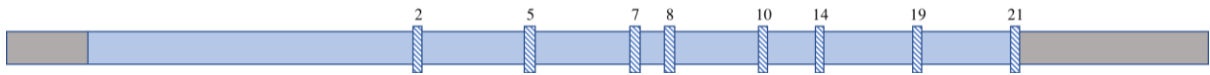
*NRAS* LRG\_92 t1 NM\_002524.3



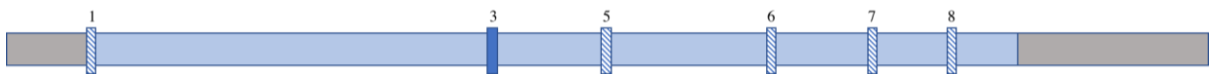
*PDGFRA* LRG\_309 t1\_006206.4



*PIK3CA* LRG\_310 t1 NM\_006218.2



*PTEN* LRG\_311 t1 NM\_000314.4



*PTPN11* LRG\_614 t1 NM\_002834.3



*RBI* LRG\_517 t1 NM\_000321.2



*RET* LRG\_518 t1 NM\_020975.4



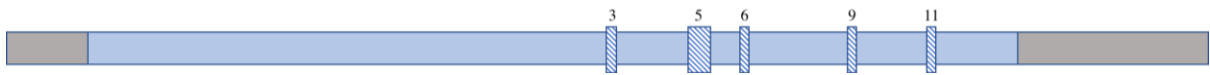
*SMAD4* LRG\_318 t1 NM\_005359.5



*SMARCB1* LRG\_520 t1 NM\_003073.3



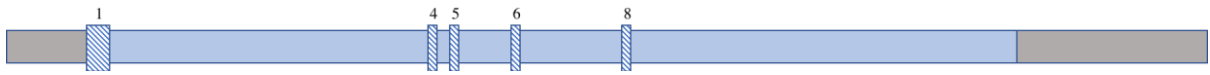
*SMO* GRCh37 (hg19) NM\_005631.5



*SRC* LRG\_1018 t1 NM\_198291.2



*STK11* LRG\_319 t1 NM\_000455.4



*TP53* LRG\_321 t1 NM\_000546.5



*VHL* LRG\_322 t1 NM\_000551.3

