

























































































































<p><i>NRAS</i></p> <p>Location: chr1:115,247,085–115,259,515</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>	<p><i>NOTCH2</i></p> <p>Location: chr1:120,492,743–120,594,328</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>
<p><i>CDC73</i></p> <p>Location: chr1:193,091,088–193,223,942</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Survival </p>	<p><i>H3F3A</i></p> <p>Location: chr1:226,250,408–226,254,301</p> <p>Type: Oncogene </p> <p>Function: Cell Fate </p>
<p><i>ARID1A</i></p> <p>Location: chr1:27,100,820–27,108,601</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>	<p><i>MPL</i></p> <p>Location: chr1:43,803,475–43,820,135</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>
<p><i>JAK1</i></p> <p>Location: chr1:65,298,906–65,432,619</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>	<p><i>FUBP1</i></p> <p>Location: chr1:78,413,591–78,444,777</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Survival </p>
<p><i>FGFR2</i></p> <p>Location: chr10:123,237,844–123,353,481</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>	<p><i>RET</i></p> <p>Location: chr10:43,600,364–43,622,952</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>






















<p><i>GATA3</i></p> <p>Location: chr10:8,096,667–8,117,164</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>	<p><i>PTEN</i></p> <p>Location: chr10:89,623,195–89,728,532</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Survival </p>
<p><i>ATM</i></p> <p>Location: chr11:108,175,402–108,186,638</p> <p>Type: Tumor Suppressor </p> <p>Function: Genome Maintenance </p>	<p><i>CBL</i></p> <p>Location: chr11:119,076,986–119,178,859</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>
<p><i>WT1</i></p> <p>Location: chr11:32,310,063–32,510,561</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>	<p><i>HRAS</i></p> <p>Location: chr11:532,242–535,550</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>
<p><i>MEN1</i></p> <p>Location: chr11:64,570,986–64,578,766</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>	<p><i>PTPN11</i></p> <p>Location: chr12:112,856,536–112,947,717</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>
<p><i>HNF1A</i></p> <p>Location: chr12:121,416,549–121,440,314</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>	<p><i>KRAS</i></p> <p>Location: chr12:25,386,768–25,403,863</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>






















<p><i>ARID2</i></p> <p>Location: chr12:46,231,104–46,301,819</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>	<p><i>MLL2</i></p> <p>Location: chr12:49,412,758–49,449,107</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>
<p><i>ACVR1B</i></p> <p>Location: chr12:52,347,164–52,390,863</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Survival </p>	<p><i>FLT3</i></p> <p>Location: chr13:28,577,411–28,674,729</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>
<p><i>BRCA2</i></p> <p>Location: chr13:32,945,093–32,953,652</p> <p>Type: Tumor Suppressor </p> <p>Function: Genome Maintenance </p>	<p><i>RB1</i></p> <p>Location: chr13:48,934,153–48,951,170</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Survival </p>
<p><i>AKT1</i></p> <p>Location: chr14:105,235,687–105,244,015</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>	<p><i>TSHR</i></p> <p>Location: chr14:81,421,869–81,575,294</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>
<p><i>B2M</i></p> <p>Location: chr15:45,003,685–45,008,550</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Survival </p>	<p><i>MAP2K1</i></p> <p>Location: chr15:66,694,220–66,783,882</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>





















<p><i>IDH2</i></p> <p>Location: chr15:90,627,212–90,645,708</p> <p>Type: Oncogene </p> <p>Function: Cell Fate </p>	<p><i>SOCS1</i></p> <p>Location: chr16:11,348,700–11,349,335</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Survival </p>
<p><i>TRAF7</i></p> <p>Location: chr16:2,205,799–2,228,130</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Survival </p>	<p><i>CREBBP</i></p> <p>Location: chr16:3,775,056–3,930,121</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>
<p><i>AXIN1</i></p> <p>Location: chr16:337,440–402,676</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>	<p><i>CYLD</i></p> <p>Location: chr16:50,821,697–50,826,616</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Survival </p>
<p><i>CDH1</i></p> <p>Location: chr16:68,771,195–68,869,444</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>	<p><i>NCOR1</i></p> <p>Location: chr17:15,950,214–15,983,823</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>
<p><i>NF1</i></p> <p>Location: chr17:29,446,152–29,646,377</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Survival </p>	<p><i>ERBB2</i></p> <p>Location: chr17:37,844,393–37,851,434</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>





















<p><i>BRCA1</i></p> <p>Location: chr17:41,243,452–41,277,500</p> <p>Type: Tumor Suppressor </p> <p>Function: Genome Maintenance </p>	<p><i>SPOP</i></p> <p>Location: chr17:47,676,246–47,723,992</p> <p>Type: Oncogene </p> <p>Function: Cell Fate </p>
<p><i>RNF43</i></p> <p>Location: chr17:56,431,038–56,493,120</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>	<p><i>TP53</i></p> <p>Location: chr17:7,571,720–7,590,868</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Survival </p>
<p><i>SOX9</i></p> <p>Location: chr17:70,117,161–70,122,560</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Survival </p>	<p><i>SRSF2</i></p> <p>Location: chr17:74,730,197–74,733,413</p> <p>Type: Oncogene </p> <p>Function: Cell Fate </p>
<p><i>SETBP1</i></p> <p>Location: chr18:42,260,863–42,648,475</p> <p>Type: Oncogene </p> <p>Function: Cell Fate </p>	<p><i>SMAD2</i></p> <p>Location: chr18:45,371,283–45,457,517</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Survival </p>
<p><i>SMAD4</i></p> <p>Location: chr18:48,556,583–48,611,411</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Survival </p>	<p><i>BCL2</i></p> <p>Location: chr18:60,985,282–60,985,899</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>





















<p><i>STK11</i></p> <p>Location: chr19:1,205,798–1,228,434</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Survival </p>	<p><i>DNMT1</i></p> <p>Location: chr19:10,244,022–10,305,755</p> <p>Type: Oncogene </p> <p>Function: Cell Fate </p>
<p><i>SMARCA4</i></p> <p>Location: chr19:11,123,438–11,145,808</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>	<p><i>JAK3</i></p> <p>Location: chr19:17,953,244–17,958,841</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>
<p><i>GNA11</i></p> <p>Location: chr19:3,094,408–3,121,454</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>	<p><i>CEBPA</i></p> <p>Location: chr19:33,790,840–33,793,430</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Survival </p>
<p><i>CIC</i></p> <p>Location: chr19:42,788,817–42,799,949</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Survival </p>	<p><i>PPP2R1A</i></p> <p>Location: chr19:52,693,055–52,729,678</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>
<p><i>NFE2L2</i></p> <p>Location: chr2:178,095,031–178,128,617</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>	<p><i>SF3B1</i></p> <p>Location: chr2:198,281,465–198,299,771</p> <p>Type: Oncogene </p> <p>Function: Cell Fate </p>





















<p><i>CASP8</i></p> <p>Location: chr2:202,131,210–202,141,691</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Survival </p>	<p><i>IDH1</i></p> <p>Location: chr2:209,100,953–209,119,806</p> <p>Type: Oncogene </p> <p>Function: Cell Fate </p>
<p><i>DNMT3A</i></p> <p>Location: chr2:25,455,830–25,565,459</p> <p>Type: Oncogene </p> <p>Function: Cell Fate </p>	<p><i>ALK</i></p> <p>Location: chr2:29,415,640–29,447,593</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>
<p><i>MSH2</i></p> <p>Location: chr2:47,630,206–47,710,367</p> <p>Type: Tumor Suppressor </p> <p>Function: Genome Maintenance </p>	<p><i>MSH6</i></p> <p>Location: chr2:48,011,094–48,034,092</p> <p>Type: Tumor Suppressor </p> <p>Function: Genome Maintenance </p>
<p><i>ASXL1</i></p> <p>Location: chr20:30,946,147–31,027,122</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>	<p><i>GNAS</i></p> <p>Location: chr20:57,466,426–57,486,250</p> <p>Type: Oncogene </p> <p>Function: Cell Survival/Cell Fate  </p>
<p><i>RUNX1</i></p> <p>Location: chr21:36,205,258–36,421,595</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>	<p><i>U2AF1</i></p> <p>Location: chr21:44,513,073–44,527,688</p> <p>Type: Oncogene </p> <p>Function: Cell Fate </p>





















<p><i>SMARCB1</i></p> <p>Location: chr22:24,129,150–24,143,960</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>	<p><i>NF2</i></p> <p>Location: chr22:30,069,258–30,094,589</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>
<p><i>EP300</i></p> <p>Location: chr22:41,488,614–41,576,081</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Survival/Cell Fate  </p>	<p><i>VHL</i></p> <p>Location: chr3:10,183,319–10,195,354</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Survival </p>
<p><i>GATA2</i></p> <p>Location: chr3:128,198,265–128,212,030</p> <p>Type: Oncogene </p> <p>Function: Cell Fate </p>	<p><i>FOXL2</i></p> <p>Location: chr3:138,663,066–138,665,982</p> <p>Type: Oncogene </p> <p>Function: Cell Fate </p>
<p><i>PIK3CA</i></p> <p>Location: chr3:178,866,311–178,952,497</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>	<p><i>MLH1</i></p> <p>Location: chr3:37,035,268–37,107,380</p> <p>Type: Tumor Suppressor </p> <p>Function: Genome Maintenance </p>
<p><i>MYD88</i></p> <p>Location: chr3:38,179,969–38,184,512</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>	<p><i>CTNNB1</i></p> <p>Location: chr3:41,240,942–41,281,939</p> <p>Type: Oncogene </p> <p>Function: Cell Fate </p>



















<p><i>SETD2</i></p> <p>Location: chr3:47,057,898–47,205,467</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>	<p><i>BAP1</i></p> <p>Location: chr3:52,435,020–52,438,602</p> <p>Type: Tumor Suppressor </p> <p>Function: Genome Maintenance </p>
<p><i>PBRM1</i></p> <p>Location: chr3:52,579,368–52,713,739</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>	<p><i>FGFR3</i></p> <p>Location: chr4:1,795,560–1,810,599</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>
<p><i>TET2</i></p> <p>Location: chr4:106,155,100–106,158,597</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>	<p><i>FBXW7</i></p> <p>Location: chr4:153,332,455–153,456,393</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>
<p><i>PDGFRA</i></p> <p>Location: chr4:55,095,264–55,146,925</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>	<p><i>KIT</i></p> <p>Location: chr4:55,593,582–55,597,552</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>
<p><i>APC</i></p> <p>Location: chr5:112,043,202–112,181,936</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>	<p><i>CSF1R</i></p> <p>Location: chr5:149,456,467–149,466,170</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>

<p><i>NPM1</i></p> <p>Location: chr5:170,814,708–170,837,888</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Survival </p>	<p><i>MAP3K1</i></p> <p>Location: chr5:56,110,900–56,191,978</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Survival </p>
<p><i>PIK3R1</i></p> <p>Location: chr5:67,588,396–67,597,649</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Survival </p>	<p><i>PRDM1</i></p> <p>Location: chr6:106,546,737–106,557,814</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>
<p><i>TNFAIP3</i></p> <p>Location: chr6:138,188,325–138,204,451</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Survival </p>	<p><i>ARID1B</i></p> <p>Location: chr6:157,256,600–157,473,538</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>
<p><i>HIST1H3B</i></p> <p>Location: chr6:26,031,817–26,032,288</p> <p>Type: Oncogene </p> <p>Function: Cell Fate </p>	<p><i>DAXX</i></p> <p>Location: chr6:33,286,335–33,289,751</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>
<p><i>MET</i></p> <p>Location: chr7:116,312,459–116,409,963</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>	<p><i>SMO</i></p> <p>Location: chr7:128,845,991–128,853,385</p> <p>Type: Oncogene </p> <p>Function: Cell Fate </p>

<p><i>BRAF</i></p> <p>Location: chr7:140,433,813–140,624,564</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>	<p><i>EZH2</i></p> <p>Location: chr7:148,504,464–148,544,397</p> <p>Type: Oncogene </p> <p>Function: Cell Fate </p>
<p><i>MLL3</i></p> <p>Location: chr7:151,832,010–152,133,090</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>	<p><i>CARD11</i></p> <p>Location: chr7:2,945,710–3,083,509</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>
<p><i>EGFR</i></p> <p>Location: chr7:55,248,979–55,259,567</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>	<p><i>KLF4</i></p> <p>Location: chr9:110,247,133–110,252,047</p> <p>Type: Oncogene </p> <p>Function: Cell Fate </p>
<p><i>ABL1</i></p> <p>Location: chr9:133,710,831–133,763,062</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>	<p><i>TSC1</i></p> <p>Location: chr9:135,782,118–135,820,020</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Survival </p>
<p><i>NOTCH1</i></p> <p>Location: chr9:139,396,889–139,408,003</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>	<p><i>CDKN2A</i></p> <p>Location: chr9:21,967,751–21,975,132</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Survival </p>

<p><i>PAX5</i></p> <p>Location: chr9:37,002,645–37,026,572</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>	<p><i>JAK2</i></p> <p>Location: chr9:4,985,086–5,128,183</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>
<p><i>GNAQ</i></p> <p>Location: chr9:80,335,191–80,437,915</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>	<p><i>PTCH1</i></p> <p>Location: chr9:98,247,967–98,279,247</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>
<p><i>CRLF2</i></p> <p>Location: chrX:1,314,887–1,656,037</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>	<p><i>STAG2</i></p> <p>Location: chrX:123,095,556–123,236,505</p> <p>Type: Tumor Suppressor </p> <p>Function: Genome Maintenance </p>
<p><i>PHF6</i></p> <p>Location: chrX:133,507,342–133,562,822</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>	<p><i>BCOR</i></p> <p>Location: chrX:39,910,499–39,922,324</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>
<p><i>KDM6A</i></p> <p>Location: chrX:44,732,423–44,971,845</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>	<p><i>GATA1</i></p> <p>Location: chrX:48,644,982–48,652,717</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>

<p><i>KDM5C</i></p> <p>Location: chrX:53,220,503–53,254,604</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>	<p><i>FAM123B</i></p> <p>Location: chrX:63,404,997–63,425,624</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>
<p><i>AR</i></p> <p>Location: chrX:66,763,874–66,950,461</p> <p>Type: Oncogene </p> <p>Function: Cell Fate </p>	<p><i>MED12</i></p> <p>Location: chrX:70,344,826–70,345,563</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>
<p><i>ATRX</i></p> <p>Location: chrX:76,937,012–77,041,719</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>	<p><i>CRLF2</i></p> <p>Location: chrY:1,264,887–1,606,037</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>
<p><i>CCND1</i></p> <p>Location: chr11:69,455,873–69,469,242</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>	<p><i>CDKN2C</i></p> <p>Location: chr1:51,435,642–51,440,309</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Survival </p>
<p><i>IKZF1</i></p> <p>Location: chr7:50,344,378–50,472,798</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Fate </p>	<p><i>LMO1</i></p> <p>Location: chr11:8,245,851–8,285,425</p> <p>Type: Oncogene </p> <p>Function: Cell Fate </p>

<p><i>MAP2K4</i></p> <p>Location: chr17:11,973,103–12,047,051</p> <p>Type: Tumor Suppressor </p> <p>Function: Cell Survival </p>	<p><i>MDM2</i></p> <p>Location: chr12:69,202,988–69,233,629</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>
<p><i>MDM4</i></p> <p>Location: chr1:204,485,507–204,527,248</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>	<p><i>MYC</i></p> <p>Location: chr8:128,806,803–128,867,566</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>
<p><i>MYCL1</i></p> <p>Location: chr1:40,365,284–40,367,687</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>	<p><i>MYCN</i></p> <p>Location: chr2:16,082,046–16,087,129</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>
<p><i>NCOA3</i></p> <p>Location: chr20:46,255,746–46,285,621</p> <p>Type: Oncogene </p> <p>Function: Cell Fate </p>	<p><i>NKX2-1</i></p> <p>Location: chr14:36,985,604–36,989,430</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>
<p><i>SKP2</i></p> <p>Location: chr5:36,152,145–36,184,142</p> <p>Type: Oncogene </p> <p>Function: Cell Survival </p>	