

Type	Main Gene	Partner Gene
Fusions	ALK (Ex19,20,21 - In18,19,20)	A2M,ATIC,BCL11A,BIRC6,CAD,CARS1,CEBPZ,CLIP1,CLTC,CLTCL1,COX7A2L,CUX1,DCTN1,EIF2AK3,EML4,FN1,GCC2,GTF2IRD1,GTF3C2,HIP1,HOOK1,IGFBP5,KIF5B,KLC1,LIMS1,LMNA,LMO7,MLPH,MPRIP,MSN,NCOA1,NPM1,PHACTR1,PICALM,PPFIBP1,PPM1B,PRKAR1A,PRKAR2A,PRKCB,PTPN3,RANBP2,SEC31A,SPTBN1,SQSTM1,SRBD1,STRN,SVEP1,TFG,THBS1,TIMP3,TNIP2,TPM1,TPM3,TPM4,TPR,TRMT61B,VCL,VKORC1L1,VMP1,WDCP,DYSF,ITGAV
Fusions	FGFR1 (Ex14,17,18 - In14, 17)	BAG4,BCR,CNTRL,CUX1,ERLIN2,ZMYM2,ACVR1,EBF2,MITF,PDE4DIP,TACC1,ZNF703
Fusions	FGFR2 (Ex17 - In18)	AHCYL1,CEP112,CTNNA3,CLK2,AFF3,AMOT,ATAD2,ATE1,ATP6V1D,BICC1,CASP7,CCAR2,CCDC170,CCDC186,CCDC6,CCSER1,CIT,CLIP1,COL14A1,CREB5,DBP,DDX21,DZANK1,EIF4A2,ERC1,FAM76A,FILIP1,G3BP2,GAB2,HOOK1,INA,JAKMIP1,KCTD1,KIAA1217,KIF14,LAMC1,LZTFL1,NOL4,NRAP,NRBF2,OFD1,OGA,OPTN,PAWR,PCM1,PDHX,POC1B,PPHLN1,PPP1R21,RABGAP1L,RASAL2,ROCK1,SEPTIN10,SHC2,SHTN1,SLMAP,SORBS1,STK26,SYNPO2,TACC2,TACC3,TBC1D1,TFEC,TNIP2,TNS1,TP73,TRIM55,TRIM8,TTC28,TXLNA,USP33,VCL,WAC,WDHD1,ZMYM4
Fusions	FGFR3 (Ex17,18 - In18)	AMBRA1,BAIAP2L1,ELAVL3,FBXO28,JAKMIP1,PHLDB3,RGS12,TACC3,TLE5
Fusions	MET (Ex13,14,15 - In13,14 partially)	BAIAP2L1,C8orf34,CAPZA2,CAV1,CCDC6,CD47,CD74,CLIP2,EPHB4,HLA-DRB1,KIF5B,OXR1,PRKAR2B,PTPRZ1,ST7,STARD3NL,TFG,TPR,UBE2H,DST
Fusions	NTRK1 (Ex8,9,10,11,12 - In9,10,11)	AFAP1,AMOTL2,ARHGEF11,ARHGEF2,ATP1B1,BCAN,CD74,CEL,CHTOP,CTRC,DIAPH1,EPHB2,EPH2,EPH3,EPH4,EPH6,EPH8,EPH9,EPHA2,EPHA4,EPHA6,EPHA7,EPHA8,EPHA9,EPHA10,EPHA11,EPHA12,EPHA13,EPHA14,EPHA15,EPHA16,EPHA17,EPHA18,EPHA19,EPHA20,EPHA21,EPHA22,EPHA23,EPHA24,EPHA25,EPHA26,EPHA27,EPHA28,EPHA29,EPHA30,EPHA31,EPHA32,EPHA33,EPHA34,EPHA35,EPHA36,EPHA37,EPHA38,EPHA39,EPHA40,EPHA41,EPHA42,EPHA43,EPHA44,EPHA45,EPHA46,EPHA47,EPHA48,EPHA49,EPHA50,EPHA51,EPHA52,EPHA53,EPHA54,EPHA55,EPHA56,EPHA57,EPHA58,EPHA59,EPHA60,EPHA61,EPHA62,EPHA63,EPHA64,EPHA65,EPHA66,EPHA67,EPHA68,EPHA69,EPHA70,EPHA71,EPHA72,EPHA73,EPHA74,EPHA75,EPHA76,EPHA77,EPHA78,EPHA79,EPHA80,EPHA81,EPHA82,EPHA83,EPHA84,EPHA85,EPHA86,EPHA87,EPHA88,EPHA89,EPHA90,EPHA91,EPHA92,EPHA93,EPHA94,EPHA95,EPHA96,EPHA97,EPHA98,EPHA99,EPHA100,EPHA101,EPHA102,EPHA103,EPHA104,EPHA105,EPHA106,EPHA107,EPHA108,EPHA109,EPHA110,EPHA111,EPHA112,EPHA113,EPHA114,EPHA115,EPHA116,EPHA117,EPHA118,EPHA119,EPHA120,EPHA121,EPHA122,EPHA123,EPHA124,EPHA125,EPHA126,EPHA127,EPHA128,EPHA129,EPHA130,EPHA131,EPHA132,EPHA133,EPHA134,EPHA135,EPHA136,EPHA137,EPHA138,EPHA139,EPHA140,EPHA141,EPHA142,EPHA143,EPHA144,EPHA145,EPHA146,EPHA147,EPHA148,EPHA149,EPHA150,EPHA151,EPHA152,EPHA153,EPHA154,EPHA155,EPHA156,EPHA157,EPHA158,EPHA159,EPHA160,EPHA161,EPHA162,EPHA163,EPHA164,EPHA165,EPHA166,EPHA167,EPHA168,EPHA169,EPHA170,EPHA171,EPHA172,EPHA173,EPHA174,EPHA175,EPHA176,EPHA177,EPHA178,EPHA179,EPHA180,EPHA181,EPHA182,EPHA183,EPHA184,EPHA185,EPHA186,EPHA187,EPHA188,EPHA189,EPHA190,EPHA191,EPHA192,EPHA193,EPHA194,EPHA195,EPHA196,EPHA197,EPHA198,EPHA199,EPHA200,EPHA201,EPHA202,EPHA203,EPHA204,EPHA205,EPHA206,EPHA207,EPHA208,EPHA209,EPHA210,EPHA211,EPHA212,EPHA213,EPHA214,EPHA215,EPHA216,EPHA217,EPHA218,EPHA219,EPHA220,EPHA221,EPHA222,EPHA223,EPHA224,EPHA225,EPHA226,EPHA227,EPHA228,EPHA229,EPHA230,EPHA231,EPHA232,EPHA233,EPHA234,EPHA235,EPHA236,EPHA237,EPHA238,EPHA239,EPHA240,EPHA241,EPHA242,EPHA243,EPHA244,EPHA245,EPHA246,EPHA247,EPHA248,EPHA249,EPHA250,EPHA251,EPHA252,EPHA253,EPHA254,EPHA255,EPHA256,EPHA257,EPHA258,EPHA259,EPHA260,EPHA261,EPHA262,EPHA263,EPHA264,EPHA265,EPHA266,EPHA267,EPHA268,EPHA269,EPHA270,EPHA271,EPHA272,EPHA273,EPHA274,EPHA275,EPHA276,EPHA277,EPHA278,EPHA279,EPHA280,EPHA281,EPHA282,EPHA283,EPHA284,EPHA285,EPHA286,EPHA287,EPHA288,EPHA289,EPHA290,EPHA291,EPHA292,EPHA293,EPHA294,EPHA295,EPHA296,EPHA297,EPHA298,EPHA299,EPHA300,EPHA301,EPHA302,EPHA303,EPHA304,EPHA305,EPHA306,EPHA307,EPHA308,EPHA309,EPHA310,EPHA311,EPHA312,EPHA313,EPHA314,EPHA315,EPHA316,EPHA317,EPHA318,EPHA319,EPHA320,EPHA321,EPHA322,EPHA323,EPHA324,EPHA325,EPHA326,EPHA327,EPHA328,EPHA329,EPHA330,EPHA331,EPHA332,EPHA333,EPHA334,EPHA335,EPHA336,EPHA337,EPHA338,EPHA339,EPHA340,EPHA341,EPHA342,EPHA343,EPHA344,EPHA345,EPHA346,EPHA347,EPHA348,EPHA349,EPHA350,EPHA351,EPHA352,EPHA353,EPHA354,EPHA355,EPHA356,EPHA357,EPHA358,EPHA359,EPHA360,EPHA361,EPHA362,EPHA363,EPHA364,EPHA365,EPHA366,EPHA367,EPHA368,EPHA369,EPHA370,EPHA371,EPHA372,EPHA373,EPHA374,EPHA375,EPHA376,EPHA377,EPHA378,EPHA379,EPHA380,EPHA381,EPHA382,EPHA383,EPHA384,EPHA385,EPHA386,EPHA387,EPHA388,EPHA389,EPHA390,EPHA391,EPHA392,EPHA393,EPHA394,EPHA395,EPHA396,EPHA397,EPHA398,EPHA399,EPHA400,EPHA401,EPHA402,EPHA403,EPHA404,EPHA405,EPHA406,EPHA407,EPHA408,EPHA409,EPHA410,EPHA411,EPHA412,EPHA413,EPHA414,EPHA415,EPHA416,EPHA417,EPHA418,EPHA419,EPHA420,EPHA421,EPHA422,EPHA423,EPHA424,EPHA425,EPHA426,EPHA427,EPHA428,EPHA429,EPHA430,EPHA431,EPHA432,EPHA433,EPHA434,EPHA435,EPHA436,EPHA437,EPHA438,EPHA439,EPHA440,EPHA441,EPHA442,EPHA443,EPHA444,EPHA445,EPHA446,EPHA447,EPHA448,EPHA449,EPHA450,EPHA451,EPHA452,EPHA453,EPHA454,EPHA455,EPHA456,EPHA457,EPHA458,EPHA459,EPHA460,EPHA461,EPHA462,EPHA463,EPHA464,EPHA465,EPHA466,EPHA467,EPHA468,EPHA469,EPHA470,EPHA471,EPHA472,EPHA473,EPHA474,EPHA475,EPHA476,EPHA477,EPHA478,EPHA479,EPHA480,EPHA481,EPHA482,EPHA483,EPHA484,EPHA485,EPHA486,EPHA487,EPHA488,EPHA489,EPHA490,EPHA491,EPHA492,EPHA493,EPHA494,EPHA495,EPHA496,EPHA497,EPHA498,EPHA499,EPHA500,EPHA501,EPHA502,EPHA503,EPHA504,EPHA505,EPHA506,EPHA507,EPHA508,EPHA509,EPHA510,EPHA511,EPHA512,EPHA513,EPHA514,EPHA515,EPHA516,EPHA517,EPHA518,EPHA519,EPHA520,EPHA521,EPHA522,EPHA523,EPHA524,EPHA525,EPHA526,EPHA527,EPHA528,EPHA529,EPHA530,EPHA531,EPHA532,EPHA533,EPHA534,EPHA535,EPHA536,EPHA537,EPHA538,EPHA539,EPHA540,EPHA541,EPHA542,EPHA543,EPHA544,EPHA545,EPHA546,EPHA547,EPHA548,EPHA549,EPHA550,EPHA551,EPHA552,EPHA553,EPHA554,EPHA555,EPHA556,EPHA557,EPHA558,EPHA559,EPHA560,EPHA561,EPHA562,EPHA563,EPHA564,EPHA565,EPHA566,EPHA567,EPHA568,EPHA569,EPHA570,EPHA571,EPHA572,EPHA573,EPHA574,EPHA575,EPHA576,EPHA577,EPHA578,EPHA579,EPHA580,EPHA581,EPHA582,EPHA583,EPHA584,EPHA585,EPHA586,EPHA587,EPHA588,EPHA589,EPHA590,EPHA591,EPHA592,EPHA593,EPHA594,EPHA595,EPHA596,EPHA597,EPHA598,EPHA599,EPHA600,EPHA601,EPHA602,EPHA603,EPHA604,EPHA605,EPHA606,EPHA607,EPHA608,EPHA609,EPHA610,EPHA611,EPHA612,EPHA613,EPHA614,EPHA615,EPHA616,EPHA617,EPHA618,EPHA619,EPHA620,EPHA621,EPHA622,EPHA623,EPHA624,EPHA625,EPHA626,EPHA627,EPHA628,EPHA629,EPHA630,EPHA631,EPHA632,EPHA633,EPHA634,EPHA635,EPHA636,EPHA637,EPHA638,EPHA639,EPHA640,EPHA641,EPHA642,EPHA643,EPHA644,EPHA645,EPHA646,EPHA647,EPHA648,EPHA649,EPHA650,EPHA651,EPHA652,EPHA653,EPHA654,EPHA655,EPHA656,EPHA657,EPHA658,EPHA659,EPHA660,EPHA661,EPHA662,EPHA663,EPHA664,EPHA665,EPHA666,EPHA667,EPHA668,EPHA669,EPHA670,EPHA671,EPHA672,EPHA673,EPHA674,EPHA675,EPHA676,EPHA677,EPHA678,EPHA679,EPHA680,EPHA681,EPHA682,EPHA683,EPHA684,EPHA685,EPHA686,EPHA687,EPHA688,EPHA689,EPHA690,EPHA691,EPHA692,EPHA693,EPHA694,EPHA695,EPHA696,EPHA697,EPHA698,EPHA699,EPHA700,EPHA701,EPHA702,EPHA703,EPHA704,EPHA705,EPHA706,EPHA707,EPHA708,EPHA709,EPHA710,EPHA711,EPHA712,EPHA713,EPHA714,EPHA715,EPHA716,EPHA717,EPHA718,EPHA719,EPHA720,EPHA721,EPHA722,EPHA723,EPHA724,EPHA725,EPHA726,EPHA727,EPHA728,EPHA729,EPHA730,EPHA731,EPHA732,EPHA733,EPHA734,EPHA735,EPHA736,EPHA737,EPHA738,EPHA739,EPHA740,EPHA741,EPHA742,EPHA743,EPHA744,EPHA745,EPHA746,EPHA747,EPHA748,EPHA749,EPHA750,EPHA751,EPHA752,EPHA753,EPHA754,EPHA755,EPHA756,EPHA757,EPHA758,EPHA759,EPHA760,EPHA761,EPHA762,EPHA763,EPHA764,EPHA765,EPHA766,EPHA767,EPHA768,EPHA769,EPHA770,EPHA771,EPHA772,EPHA773,EPHA774,EPHA775,EPHA776,EPHA777,EPHA778,EPHA779,EPHA780,EPHA781,EPHA782,EPHA783,EPHA784,EPHA785,EPHA786,EPHA787,EPHA788,EPHA789,EPHA790,EPHA791,EPHA792,EPHA793,EPHA794,EPHA795,EPHA796,EPHA797,EPHA798,EPHA799,EPHA800,EPHA801,EPHA802,EPHA803,EPHA804,EPHA805,EPHA806,EPHA807,EPHA808,EPHA809,EPHA810,EPHA811,EPHA812,EPHA813,EPHA814,EPHA815,EPHA816,EPHA817,EPHA818,EPHA819,EPHA820,EPHA821,EPHA822,EPHA823,EPHA824,EPHA825,EPHA826,EPHA827,EPHA828,EPHA829,EPHA830,EPHA831,EPHA832,EPHA833,EPHA834,EPHA835,EPHA836,EPHA837,EPHA838,EPHA839,EPHA840,EPHA841,EPHA842,EPHA843,EPHA844,EPHA845,EPHA846,EPHA847,EPHA848,EPHA849,EPHA850,EPHA851,EPHA852,EPHA853,EPHA854,EPHA855,EPHA856,EPHA857,EPHA858,EPHA859,EPHA860,EPHA861,EPHA862,EPHA863,EPHA864,EPHA865,EPHA866,EPHA867,EPHA868,EPHA869,EPHA870,EPHA871,EPHA872,EPHA873,EPHA874,EPHA875,EPHA876,EPHA877,EPHA878,EPHA879,EPHA880,EPHA881,EPHA882,EPHA883,EPHA884,EPHA885,EPHA886,EPHA887,EPHA888,EPHA889,EPHA890,EPHA891,EPHA892,EPHA893,EPHA894,EPHA895,EPHA896,EPHA897,EPHA898,EPHA899,EPHA900,EPHA901,EPHA902,EPHA903,EPHA904,EPHA905,EPHA906,EPHA907,EPHA908,EPHA909,EPHA910,EPHA911,EPHA912,EPHA913,EPHA914,EPHA915,EPHA916,EPHA917,EPHA918,EPHA919,EPHA920,EPHA921,EPHA922,EPHA923,EPHA924,EPHA925,EPHA926,EPHA927,EPHA928,EPHA929,EPHA930,EPHA931,EPHA932,EPHA933,EPHA934,EPHA935,EPHA936,EPHA937,EPHA938,EPHA939,EPHA940,EPHA941,EPHA942,EPHA943,EPHA944,EPHA945,EPHA946,EPHA947,EPHA948,EPHA949,EPHA950,EPHA951,EPHA952,EPHA953,EPHA954,EPHA955,EPHA956,EPHA957,EPHA958,EPHA959,EPHA960,EPHA961,EPHA962,EPHA963,EPHA964,EPHA965,EPHA966,EPHA967,EPHA968,EPHA969,EPHA970,EPHA971,EPHA972,EPHA973,EPHA974,EPHA975,EPHA976,EPHA977,EPHA978,EPHA979,EPHA980,EPHA981,EPHA982,EPHA983,EPHA984,EPHA985,EPHA986,EPHA987,EPHA988,EPHA989,EPHA990,EPHA991,EPHA992,EPHA993,EPHA994,EPHA995,EPHA996,EPHA997,EPHA998,EPHA999,EPHA1000
Fusions	RET (Ex7,8,10,11,12 - In7,10,11,12)	AKAP13,CCDC186,CCDC6,CUX1,DLG5,EML4,ERC1,FKBP15,GOLGA5,HOOK3,KIF13A,KIF5B,KTN1,LTBP1,MPRIP,MYH10,MYO5C,NCOA4,PCM1,PDCD10,PICALM,PRKAR1A,RASSF4,RELCH,RUFY1,RUFY2,RUFY3,SHCBP1L,SPECC1L,TBL1XR1,TFG,TNIP2,TRIM24,TRIM27,TRIM33,WAC,ACSL3,CNTNAP2,SEPTIN9
Fusions	ROS1 (Ex32,33,34,35,36 - In33,34)	CCDC6,CD74,CEP85L,CLTC,EZR,GOLGB1,GOPC,HLA-A,KDEL2,LIMA1,LRIG3,MSN,MYO5A,PPFIBP1,SDC4,SLC34A2,SLC4A4,TFG,TMEM106B,TPD52L1,TPM3,WNK1,YWHAE