

Fusion gene junction sequences:

Fusion junction indicated by an asterisk

BSG-NFIX

TGCTGGTCTGCAAGTCAGAGTCCGTGCCACCTGTCACTGACTGGGCCTGGTACAAGATCACTGACTCTGAG
GACAAG*GATGAGTTCCACCCGTTTCATCGAGGCACTGCTGCCTCACGTCCGCGCTTTCTCCTACACCTGGTT
CAACCTGCA

PPP1R12A-SEPT10

CAAAACCCCTGGCTTCTGTAATAATGCCAACACTTCTAGTACACAAGCAGCTCCTGTAGCTGTTACAACAC
CTACTGTGTCATCAGGTCAAGCAACACCTACATCACCTATTAAG*AAAAGAGAAAACATTCTGTTGTTGA
CTATGTCTGGCCATGTTGGTTTTGAGAGTTTGCCTGATCAGCTGGT

NOTCH1-NUP214

GGTGAGACCTGCCTGAATGGCGGGAAGTGTGAAGCGGCCAATGGCACGGAGGCCTGCGY*TTCTTCAGTG
CCCTACTCCACAGCCAAAACACCTACCCAGTGTTGACCCAGTGGCTGCTAACCAAGCCAAGCA

DIDO1-KIAA0406

GTTGGCGCCAGAGTCAAAAGGCGTCGGCCCTCTGGCAAGATGGCTGCTGCGGAGGCGTTGGAGCGCGGA
AATCTGGAACCGGGATGGCGACGTCTACACTGAGTCGGAGGCGAAG*CCCAGTGGTTCCAGACACAGGTA
ATCTTGGGCACCTCCAAGAGCAAAGTTTAGGAGAAGAGGGAAGTCATTTGAACCAAAGACCAGCRGCTC

RPS6KB1-SNF8

GAGGACATGGCAGGAGTGTGTTGACATAGACCTGGACCAGCCAGAGGACGCGGGCTCTGAGGATGAGCTGG
AGGAGGGG*GCCAAGTATAAGGAGCGAGGGACGGTCTTGGCTGAGGACCAGCTAG

VAPB-IKZF3

CTAAGGAACATGGCGAAGGTGGAGCAGGTCCTGAGCCTCGAGCCGCAGCACGAGCTCAAATTCCGAG*CAA
GTGCGGAGGCAAGACACATCAAAGCAGAGATGGGAAGTGAAAGAGCTCTCGTACTGGACAGATTAGCAAGC
AATGTGGCAAACGAAAAAGCTCAA

ACACA-STAC2

TTGCTGTAGAAACCCGAACAGTAGAACTAAGTATCCCAGCTGATCCAGCAAACCTGGATTCTGAAGCCAAG*
CTCCAGCGATTCAAGCGCTCCCTCTCCCTCAAGACCATCCTCCGAAGTAAGAGCTTGAGAACTTCTTCCTT
CGCTCGG

ZMYND8-CEP250

GCCATCTTTTACTGCTGTTGGAACACCAGCTACTGTGACTACCCCTGCCAGCAAGCCCACTGGCCTGAGCA
CATGAAGTCCTGCACCCAGTCAG*GAGAAGGAGCGCTCCTGGCACCAGTAGGAGCTGGCAAAGGCTCTGGA
GAGCTTAGAAAGGGAAAAAATGGAGCTGGAAATGAGGCTAAAGGAGCAGCAGACAGAAATGGAGGCCAT

RAB22A-MYO9B

GTATTGTGTGGCGGTTTTGTGGAAGACAGTTTTGATCCAAACATCAACCAACAATAGG*GCTTTTGGAAATGCC
AAGACAGCCCACAACAACAACTCCAGCCGGTTTTGGGAAATTCATCCAAGTCAGCTACCTAGAGAGTGGCAT
CGTGAGAGG

SKA2-MYO19

GCGAGATGTTGAGTGACAGCTGTCCAATGGAGGCCCTCCGTGCTAGTACGGCTTGCGGCTTAAGCGCCGC
CGCGGTCTGCGGAATGTCAACTATTCAACATGGAGGCGGAGGTCGATAAGCTGGAAGTATG*GCCTGCTG
GATGTGTATGGATTGAATCATTTCTGACAACAGTCTGGAACAGTTGTGCATCAACTACGCCAATGAG

STARD3-DOK5

GTGGCTGACATGGAGCAG*CTCCAGATGAAGATGAGTGAGCGGGCCGCTCGCTGAGCACCATGGTGCCC
CTGCCTCGCAGCGCCTACTGGCAGCACATACA

LAMP1-MCF2L

GGTAACGCCGCTGTCTCTAACGCCAGCCCTTGGCGCCCGCGCCCCGCCACCGCAGCGCCCGGCGACCCC
TGCTGCTGCTACTGCTGTTGCTGCTGCTCG*GTCATAATGCTGAGCTCCGTACCAGACTTACACGGTTACAT
CGATAAGTCGCAGCTG

GLB1-CMTM7

CGGCCTTTTATATGCGGGAACCTTCTCCATTCCAGTGGGATCCCAGACTTGCCCCAGGACACCTTTATCCAGT
TTCCTGGATGGACCAAG*GTCACCCTGCTGCTTGCCTTCATCTGTGTGCGGAGCTCCCTGTGGACCAACTAC
AGCGCCTACAGCTACTTTGAAGTGGTCACCATTGCGACTTGATAATGATCCTCGCCTTTTACCTG

CPNE1-PI3

TCGCCACTTCTTCTCTGGATTGACTATTCCTGATGGGGGCGTGCATATTGTAGGGGGTGAAGTGG*TTCTAG
AGGCTGGGAAGTCCAAGATCAAGGCACCAGCAGATTGAGCATCTGTTCTGTAAAGGTCAAGACACTGTCA
AAGGCCGTGTTCCATTCAATGGACAAGATCCCGTTAAAGGACAAGTTTCAGTTAAAGGTCAAGATAAAGTCA
AAGCGCAAGAGCCAGTCAAAGGTC

RARA-PKIA

TCCTGAATCGAGCTGAGAGGGCTTCCCCGGTTCTCTGGGAACCCCATCGGCCCCCTGCCAGCACACACCT
GAGCAG*TTTCTGACTTTCTGAGAAGCCCTGGTTTCCCCAAAGAAGTGATTTCTGATAGAAATCTGAAGGTC
ATCTCAA

TATDN1-GSDB

GCAGTCATGAGTCGCTTCAAGTTTATCG*GAAGCTGAAGAGGGAACTACCCTTTTCATTCCGATCAATTAATA
CGAGAGAAAACCTGTATCTGGTGACAGAACTCTGGAGACGGTAAAGGAGGAAACCTGAAAAGCGACCGG
CAATATA

CSE1L-ENSG00000236127

TAATGCCGCACTCTATGCACAAAAGTACGATGAAGAATTCCAGCGATACCTGCCTCGTTTTGTACAGCCAT
CTGGAATTTACTAGTTACAACGGGTCAAGAGGTTAAATATGATTTG*GAACAAGATGTGGCTGTGGCAAGCG
GCCGCCATCCCCGGTGCCGAGGGACCTGGGAGAAGCTAGGGCAGCTCCGGCATCGTTCCTGCCCTGTGGT
CCACAGCCTCGTCTTCAT

ANKHD1-PCDH1

CAGTGCAGGTCATGTGGAAGTTGCAAGAGTTCTTTTAGATCATGGTGCAGGCATCAACACTCATTCTAATGA
ATTCAAAGAAAGTGCTCTAACACTTGCTTGCTACAAAG*ACCTTCGCCCTTTCCTGATGTGCGCCATGACAGG
CACATGTACC

CCDC85C-SETD3

AAGGGTAGTTTGTGGCATGAGGATGGGT*CTGTGCGAGGAGCTTGTCACCCTCCAGCAGCCTCACTTTGCT
CTCCAGTTGCCTGATGTAGGTGGATGAGGGA

SUMF1-LRRFIP2

CTTCTGGGAAAGACCGAGTGAAGAAAGGTGGATCCTACATGTGCCATAGG*GCAGAGGCAAGGCTGGCAGC
AAAACGGGCTGCCCCGGGCAGAAGCAAGAGATATACGCATGAGAGAACTGGAACGA

WDR67-ZNF704

GTGCATGCATCAGGGAAATATGCCATCACAACCTTCTTCTGATACAGCACAAATTATGGGACTTGGATACCTTTC
AGAGAAAAAGAAAGCTGAATATTCGCCAGTCTGTGGGTATACAGAAG*GTGGGGAGCATTAAAGCGGGAAATG
ACCTTCACATTTAGTCAGAGGACTTAAACGTGACTGTGGTAAAAAAATGTCTCATCAACACGTGTTTTCT
TGCCATGGA

CYTH1-EIF3H

ATGGAGGAGGACGACAGCTACG*ATGGCGTCCCGCAAGGAAGGTACCGGCTCTACTGCCACCTCTTCCAGC
TCCACCGCCGGCGCAGCAGGGAAAGGCAAAGGCAAAGGCGGCTCGGGAGAT

DHX35-ITCH

TACAGAGGGGCCAGGTGTAAGCATCTCTGAAGAGAGACAAAGTCTGGCTGAAAACCTCTGGGACAACGGTTG
TTTACAACCCTTATGCTGCCCTTTCATAGAGCAGCAGAGGCAGAAGCTGCCGGTATTCAAG*GTACCATGC
ATTTACAGTGGCCTTGTGGAGACAACGCCTTAACCCAA

NFS1-PREX1

CGCACTCTTCTATCAG*GTGGACTCCATCAATGCTCTCCTCAAGGGGCCAGTCATGAGCCGGGCTTTCGAAG
AGACCAAGCATTTCCTATGAACCACAGC