

Sequences of *IFITM* pseudogenes, including 250 nucleotides 5' of the start codon (highlighted in green). Stop codons are highlighted in pink. Putative ISRE motifs are underlined.

IFITM3P1

>ENSG00000236562:ENST00000505282.1 cds:processed_pseudogene
GRCh38:4:66093892:66094526:1

CCCTGAAAATTAATATGATTAGCCTGAAGACATAGTGAAAAATGACAACCACTTTATTAG
GTTACTAAGATCATCTTTTCTGTCTATTTCAGAAAAACAAAGGTTTCAATAATTCAGAAT
TATAATCCACTAGTGATAAAAAACAAATTAATCACTATTATCATTAAATATACAATATTAG
GGCCCACTGAGAGCCATCCCAGTAACCCGACCACCGCTGGTCTTCACTGGACACCATGAA
CCACACTGTCCAACCTTCTCTCCTATCAACAGCGGCCAGCCCCCAACTATGAGATGCTC
AAGGAGGAGCATGAGGTGGCTGTGCTGGGGGTGGCCTACAACCCTGCTCCCCGACGTCC
ACCGTGATCCACATCCGCAACGAGACCTCCGTGCCCGACCATGTTGTCTGGTCCCTGTTC
AACACTCTCTTCATGAACCCCTGCTGCCTGGGCTTCATAGCATTTCGCTTACTCCGTGAAG
TCTAGGCACAGGAAGATGGTTGGCGACCTGACTGGCGCCCAGGCCTATGCCTCCACCGCC
AAGTGCCTGAACATCTGGGCCCTGATTTTGGGCATCTTCATGACCATTCTGCTCATCATC
ATCCCAGTGTGATCTTCCAAGCCTATCAATAG

> Open Reading Frame (ORF)

MLKEEHEVAVLGVAYNPAPPTSTVIHIRNETSVDPDHVVWSLFLFMNPC
CLGFIAFAYSVKSRHRKMGVGLTGAQAYASTAKCLNIWALILGIFMTILL
IIIPVLIFQAYQ

IFITM3P2

>ENSG00000223722:ENST00000453713.1 cds:processed_pseudogene
GRCh38:12:31754470:31755121:1

TCAGATAGAACCACAAATAAAAAATAATTCAATACCATAAAAAACAAAGACAAACCTAAAA
CTAATAGATTTCAGAAGGACAGAAAAATGAAGAGAAAAAAGATAAATGGGCAAACCTGTAC
TAGGCTAATGCAAACGAAAGTAATTGTTATCTTAATTTCAAATATGGAGAAAACAAACT
ACTGGGGAAAGGGAGGGTCCACTGAGAACCATCCCAGTAACTCAACCACGGCTGGTCTTC
GCTGGACACCATGAACCACTGTCCAAACCTTCTTCTCCTGTCAACAGCGGCCAGCC
CCCCAACTATGAGATGCTCAAGGAGGAGCACAAAGGTGGCTGTGCTGGGGGTGCCCCACAA
CCCTGCTCCCCCAACCGTCCACCGTATCCACATCCGCAGCAAGACCTCCCGTCCCCACCA
TGTCGTCTGGTCCCTGTTC AACACCCTTTCATGAACCCCTGCTGCCTGGGCTTCATAGC
ATTTGCCTACTCCGTGAAGTCTAGGGACAGGAAGATGGTTGGCAACGTGACTGGGGCCCA
GGCCTATGCCTCCACCACCAAGTGCCTGAACATCTGGGCCCTGATTTTGGGCATCCTCAT
GACCATTCTGCTCATCATCATCCCAGTATTAATCTTCCAAGCCCATAGATAG

> Open Reading Frame (ORF)

MNHTVQTFVNSGQPPNYEMLKEEHKQVAVLGVPHNPAPPTSTVIHIRS
KTSVPHHVWSLFLFMNPPCLGFIAFAYSVKSRDRKMGVNVGTGAQAYA
STTKCLNIWALILGILMTILLIIIPVLIFQHR

IFITM3P3

>ENSG00000196114:ENST00000339867.4 cds:processed_pseudogene
GRCh38:6:34576258:34576906:-1

AATGGAGCAAGACCCCATTTCTAAAAAATAAATAATTTTTTAAAGTAGAAGAAAACAGA
TACTGGGGAGGCAACTAGCACTCTTCCCTACACATGCCCTGTACTCTTCCATCTCTGA
TCTTAAAAACTGCATGCTGGACAAATGCCAGGAAGAGGAACTGTTGAGAAAACGAACT
ACTGGGGAAAGGGAGGGCCCACTGAGAACCATCCGAGTAACCCGACCACCGCTGGTCTTC
GCTGGACACCATGAACCACTGTCCAAACCTTCTCCTCTCCTGTCAACAGCGGCCATCC

CCCCCAACTATGAGATGCTCAAGGAGGAGCACGAGGTGGCTGTGCTGAGGGCACCCACA
ACCCTGCTCCCCGACATCCACCAATGATCCACAGCCGAGCGAGACCTCCGTGCCCGACCG
TGTCGTCTGATCCCTGTTCAACACCCTCTTCGTGAACCCCTGCTGCCTGGGCTTCATAGC
ATTTGCTTATTCCGTGAAGTCTAGGGACAGGAAGATGGTTGGTGACCTGACTGGGGCCCA
GGCGTATGCCTCCACCGCCAAGTGCCTGAACATCTGAGCCCTGATTGTGGACATCCTCAT
GACCATTCTGCTCATCATCATCCGGGTGTTGATCTTCCAAGCCTATCGA

> Open Reading Frame (ORF)
MLKEEHEVAVLRAPHNPAPRHPP

IFITM3P4:

>ENSG00000230191:ENST00000442064.1 cds:processed_pseudogene
GRCh38:7:56162895:56163533:1

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CATTTCTCCAAAGTTAGAGAATCATAGAAAGCCGTTTAAAACCATTGGGGTCAGTACTTC
TTTTGGTTTGGACATATACTTACATGCCTTCTCTTGTTCAGATAACTCCCTGCACTAT
CAGTACCTTTCCATCATGTTGGTTAAAGGATATAATCGAACCCGACCACCGCTGGTCTTC
GCTGGACACCAATGAACACACTGTCCAAACCTTCTTCTCTCTGTCAACAGCGGCCAGCC
CCTCAACTATGAGATGCTCAAGGAGGAGCATGAGGTGGCTGTGCCAGGGGTGCCCCACAA
CCCTGCTCCCCCGACGATGATCCACATCTGCAGCGAGACCTCCATGCCCAACCATGTTGTC
TGGTCCCTGTTCAACACCCTCTTCATGAACCCCTGCTGCCTGGGCTTCATAGCGTTCACC
TACTCCATGAAGTCTAGGGACAGGAAGATGGTTGGCGACCTGACCGGGGCCAGGCCTAT
GCCTCCACCGCCAAGTGCCTGAACATCTGGGCCCTGACTTTGGGCATCCTCATGACCATT
CTGCTCATCGTCATCCCAGTGTTGATCATCCAAGCCCAT

> Open Reading Frame (ORF)
MNHTVQTFVSPVNSGQPLNYEMLKEEHEVAVPGVPHNPAPPT

IFITM3P5:

>ENSG00000238168:ENST00000549333.2 cds:processed_pseudogene
GRCh38:12:111581129:111581773:1

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AATGCCAGTTATGCAGCCAATGATGAGATACTCTGGTAAATAACCCTCTTGGTCTCAATT
TCTTACCCCGTAAATAGAATGAGTACTAAAAAACCACCAGAGCCAGAGAAATCCAAACTA
CCAGGGAAAGGGAGGGGCCCACTGAGAACCACCCAGCAACCCGACCACAGCTGGTCTTC
CCTGGACACCAATGAACACAATGTCCAAACCTCTTCACTCCTGCCAACATCGGCCATCCC
CCTAACTATGAGATGCTCAAGGAGGAGCAAGAGGTGGCTGTGCTGGGGGCACCCACAAC
CCTGCTCCCCAATGTCCACCGTGATCCCATCCACAGCGAGAACTCCGTGCCCGACCAT
GTCGTCTGGTCCCTGTTCAACACCCACTTCATGAACCTCTGCTGCCTGGGCTTCATAGCA
TTGGCCTACTCCGTGAAGTCTAGGGACAAGAAGATGGTTGGCGACCTGATCAGGGCCCAG
GCCTATGCCTTTACCGCCAAGTGCCTGAACATCTGGGCCCTGATTGTGCGCATCATTACG
ACCATTCTGCTCAGCATCATCCCAGTGTTGATCTTTCAAGTCTATCAACAGATCAGGAGG
CATTATCTAGGCCAGGAGCTCTGCCCCGATG

> Open Reading Frame (ORF)
MLKEEQEVAVLGLAPHNPAPPSTVIPIHSENSVPDHSVWVSLFNTHFMNSCCLGFIALAYS
VKSRLDKMVGDLIRAQAYAFATKCLNIWALIVRIITILLISIIIPVLIFQVYQQIRRHLYG
QELCP

IFITM3P6:

ENSG00000258352
GRCh38: 12:47,135,324-47,138,370:-1

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AAAAAAAAAAAAAAAAAGAAAGAAATTGAATGGTGAAGTACTGGTGAAAGTATGGAGGAAAA
AGGCTACTGTACCCTTTTGGTGGAAAGTGTAACTTTGAATGCTCTCCTGGAGAGTAACTTG
TTCTTATCTATAAAAATCTTTTTTTTTTTTTTTGGAGAACCATCCCAGCAACCCAACCACAG
CTGGTTCTCCCTGGAGACCATGAACCACACTGTCCAAACCCTCTTCACTCCTGCCAACAC
CGGCCGCTCCACCAACCATGAGATGCTCAAGGAGAAGCATGAGGTGGCTGTGCTGGGGGC
ACCCCAACCCCTGTGCCTCCAGCGTTACCATGATCCACATCTGCAGTGAGACCTCCGT
GCCCCACCATGTCGTCTGGTCCCTATTCAACACCCTCTTCAAGAATTCCTGCTGCCCGGA
CTTCATAGCATTTCATCTACTCTGTGAAGTCTAGGACAGGAAGTCTATGGACAGGAAGATG
GTTGGTGACCCTGACTGGGGCCCAGGCCTGTGTCTCCACTGCCAAGTGCCTGAACATCTGG
GCCCTGGCTCTGGGCATCCTCCTGACCATTCTGCTCATCATCTCAGTGCTGATCTTC
CAA

> Open Reading Frame (ORF)

MNHTVQTLFTPANTGRSTNHEMLKEKHEVAVLGAPHNPVPPAFTMIHICS
ETSVPDHVVWSLFNNTLTKNSCCPDFIAFIYSVKSRTGSLWTGRWLVT

IFITM3P7:

>ENSG00000233419:ENST00000413189.1 cds:processed_pseudogene
GRCh38:1:25125053:25125704:-1

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GGGGTCTCACTATGTTGTCCAGGCTAGTCTCAAACCTCCTGGGCTCAAGTAATCTGTCCAC
CTTGGCCTCCCAAAGTTCTGGAATTACAGGTGTGAGCCACCATGCCCAACCCAGTCTACA
GTTTTCTTATTGTGTTGTCTTCAACAAAATTATAAGCCATTAACAATTTCAAAAATGTCT
TTGAGTAACCATGAACCACACTGCCCAAACCTTCTTCACTCCCGCCAACACCGGCTGCCC
CCTAGACTATCAGATGCTCAAGTAGGAGCATGAGGTGGCTGTGCTGGGGGCACCCCAAA
CTCTGCTCCCCGAGGTCCACCGTGATCCACATCCACAGCGAGACCTCTGTGCCCAACCA
TGTTGTCTGGTCCCTGTTCAACACCCTCTTCATGAACTCCTGCTGCCTGGGCTTCATAGC
AGTCACCTACTCCATGAAGTCTAGGGACAGGAAGATGGTTGGCGACCTAACCGGGGGCCA
GGCCTGTGCCTCCACCGCCAAGTGCCTGAACGTCTGGGCCCTGGTTCTGGGCATCCTCAT
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> Open Reading Frame (ORF)

MNHTAQTFFTPANTGCPLDYQLK

IFITM3P8:

>ENSG00000271377:ENST00000603849.1 cds:processed_pseudogene
GRCh38:8:60905809:60906452:1

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TGTCCACCAGCATGCCTGGCTAATTTTTTTTTTTTTTTTTTTTTTTAGTAGAGAAGGGGTTTC
GCCATGTTAGCCAGGATGGTTTTGATCTCCTGACCTCGGCCTCCCAAAGTGCTGGGATTA
TAGGCGTGAGCCACCATGCCTTATTACATTTTTTAAAGAGCTCCTGACAGCTGGTCTTT
GCTGGACACCATGAACCACATGGTCCAAACCTTCTTCACTCCCTCAAACACCGGCCACCC
TGCAACTATGAGATGCTCAGGGAGGAGTAAGAGGTGGCTGTGCTGAGGGTGCCCTACAAC
CCTCCTCCCTCAACGTCCGCCATGATCCACATCTGCAGCAAGACCTCTGTGCCCGACCAT
GTCATCTGGTCCCCGTTTAAACAACCGCTTCATGAACTCCTGCTGCTTGGGCTTCATAGCA
TTCGCCTATTTCCATGAAGTCTAGGAACAGGAAAATGGTTGGTGACCTGAGCAGGACCCAG
GCCTATGCCCTCCCAAGTGCCTGAACATCTGGGCCCTGGTTCTGCACATCCTTATG
ATCATTCTGTTTATCATCATCCCAGTGTTGATCTTTCAAGTCTATCAATAG

> Open Reading Frame (ORF)

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IFITM3P9:

>ENSG00000271134:ENST00000604586.1 cds:processed_pseudogene
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TCTGTTCCATAGGTTTTATGCATTTTTAAACCCTTTGTTGTCATTTTAGTGAGAATTCAAGG
GGAAACAGAAATAAATGCAGCTGGAGAACCATCCCACCATCCCGACCACAACCTGATCTTC
CCTGGACACGATCAACCACGCTGTCCAAACCGTCTTCACTCCCGCCAACACCAGCCACCC
CCTCAACTATGAAATGCTCAAGGAGGAGCATGAGGTGGCTGTGCTGAGGGTGCCCCACAA
CCCTGTTCCCCCGACATCCACCGTGATCCACATCCACAGTGAGACCCTGTGCCAGCCA
TGTCGTCTGGTCCCTGTTCAACTCTCTTCATGAATGTGATGCCATCTGGGCTTCATAGC
ATTCACCTACTCCGTGAAGTCTAGGGACAGGAAGATGGTTGGCGACCTGACTGGGGCCCA
GGCCTACGCCTCCACTGCCAAGTGCCTGAACGTTTGACCCCTCATCCTGGGCATCCGTGT
GACCACAACACTCATCATCCTT

> Open Reading Frame (ORF)

MNHAVQTVFTPANTSHPLNYEMLKEEHEVAVLRVPHNPVPTSTVIHIHS
ETTVPSHVVWSLNFNTLFMN

IFITM4P:

>ENSG00000235821:ENST00000441380.1 cds:processed_pseudogene
GRCh38:6:29750729:29751398:-1

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AAATGTACAGTCCAGGGCCCACTCAGAACCATCCCAGCAACCTGACCACAGCTGGTCTTT
GCTGGACACCATCAACCACACTGCCCAAACCTTCTTCATTCCTGCCAACAGTGGCTGCC
TCCCCCGCCCCCAACCCAGCTATGAGATGCTCAAGGAGGAGCATGAGGTGGCTGTGCT
GGGGGCGCCCCACAACCCTGCTCCCCCAATGTCCACCATGATCCATATCTGCAGCGAGAC
CTCCGTGTCTGACTATGTTGTCTGGTCCCTGTCCAACATCCTCTTCATGAACCCCACTG
CCTGGGATTCATAGCATTCCACTACTCCCTGAAGTCTAGGGACAGGAAGATGGTTGGAGA
CCTGACTGGGGCCAGGCCTATGCCTCCACTGCCAAGTACCTGAACATCTGAGGCCCTGAT
TGTGTGCATCATCATGACCATTCTGCTCACCGTCATCATCCTAGTGTGATCTTCCAAGT
CTGTTCGATAG

> Open Reading Frame (ORF)

MNHTAQTFPIPANS GCPPPPNPSYEMLKEEHEVAVLGAPHN PAPP MSTM
IHICSETSVSDYVWVWSL SNILFMNPHCLGFIAFTYSLKSRDRK MVDLTG
AQAYASTAKYLNI

IFITM8P:

>ENSG00000215096:ENST00000522529.1 cds:processed_pseudogene
GRCh38:8:63408814:63409457:1

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CCCTGCAATCTGTGTTTTAACAGTTTATGTAGGTAAGCTTGGCTGAAGTTTACCTTTGCA
TTGACTGATAACAGGAAAAGGGCTTCTTCATTA AATTAATAGTTCAGGAGAAATTGAAAC
TACTGGGGAGAGGGAGGGCCATTGAGAACCATCCCAGCAACCCGACCACAGCTGGTCTT
CCCTGGACACCATCAACCACCTTCCAAACCTTCTTCACTCCTGCCAACAGCGGCCACC
CCCGCAATTATGAGATGCTCAAGGAGGAGCATAAGGTGGCTGTGGTGGGGGCGCCCCAAA
ACCCTGCTCCCCGATGTCCACCATGATCCACTTCCACAGTGAGACCTCCATGCCTGACC
ATGTCGTCTGGTCGCTGTTCAACACCCTCTTCATGAACTCTGGCTGCCTGTGCTTCACAG
CATTTGTGTA CTATGAAGTCTAGGGAGAGGAAGAAGGTTGGTGACTTGACCAGGGCCC
AGGCCTATACCTCCACTGCCAAGTGCCTGAACATCTGGGCCCTGATCGTGGACATTGTCA
TGACCATTCTGCTCATCATCATCCCAGTGTGATCTTCCAAGTCTATGTGA

> Open Reading Frame (ORF)

MNHTFQTFPTPANS GHPRNYEMLKEEHKVA VVGAPQNPAPP MSTMIHFHS

ETSMPDHVVWSLFNTLFMNSGCLCFTAFVYSMKSRERKKVVDLTRAQAYT
STAKCLNIWALIVDIVMTILLIIIPVLIFQVY

IFITM9P :

>ENSG00000213275:ENST00000535743.1 cds:processed_pseudogene
GRCh38:11:69303412:69304057:-1

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ATCCATTCAAGCGAAAGCCAAAGGCCTTAAAAAGTCCTGCAAGGGTAGGACCAACAAACT
CACCCCTTTGAGAGGAGAAGGGGGCCCCATAAGAATACACTAGAGCGGAGAAAACGAAACT
ACTAGGGAAAAGGGAGGGCCCACTGAGAATCACCCAGAAACCCGACCACCACTGGTCTTC
GCTGGACACCATGAACCACACTGTCCAAACCTTCTTCTCTCCTGTCAACAGCAGCCAGCC
CCCCAACTATGAGATGCTCAAGGAGGAACACGACGTGGCTGTGCGGGGGCACCCACAA
CCCTGCTCCCCCGACATCCACTGTGATCCACATCCGCAGCGAGACCTCCGTGCCCGACCA
TGTTGTCTGGTCCCTGTTCAACGCCCTCTTCATGAACCCCTGCCGCCCGGGCTTCAAGGC
ATTTCGCTACTCCGTGTAGTCTAGGGACAGGAAGATGGTTGGCGACCTGACTGGGGCCCA
GGCCTATGCCTCCACCGCCAAGTGCCTGAACATCTGGGCCCTGATTTTGGGCATCCTCAC
GACCATTCTGCTCATCGTCATCCCAGTGTGATCATCCAAGCCAT

> Open Reading Frame (ORF)
MNHTVQTFVSPVNSSQPPQL