

# Infevers - MVK (NM\_000431.4) - cDNA + Protein - 2023-02-09

GCTCTGGGTT	GTGGGAGTTG	GGGAGCTGCT	CCGGCTTCGG	CGCGGAGGGG	-45	
CGGCGGCCGG	GGAGGCGGCG	GCGGCGGCAG	<u>GATTCC</u> CAGG	AGCC <u>ATG</u> TTG	6	<u>del EXON 2 M1L Met1?</u>
						MetLeu 2
<u>TCAGAAGTCC</u>	<u>TACTGGTGTC</u>	<u>TGCTCCGGGG</u>	<u>AAAGTCATCC</u>	<u>TTCATGGAGA</u>	56	<u>E4ter V5A L6fs V8L V8M V8E A10V P11S G11R K13X K13Q K13Nfs*68 G18R E19K</u>
SerGluValL	euLeuValSe	rAlaProGly	LysValIleL	euHisGlyGl	19	
<u>ACATGCCGTG</u>	<u>GTACATGGCA</u>	<u>AGGTAGCACT</u>	<u>GGCTGTATCC</u>	<u>TTGAACTTGA</u>	106	<u>H20N H20P H20R H20Q A21V V22M H24P G25fs G25V G25G del EXON 3 A28T L29fs L35S</u>
uHisAlaVal	ValHisGlyL	ysValAlaLe	uAlaValSer	LeuAsnLeuA	36	
<u>GAACATTCTT</u>	<u>CCGGCTTCAA</u>	<u>CCCACAGCA</u>	<u>ATGGGAAAGT</u>	<u>GGACCTCAGC</u>	156	<u>R36T L39P R40W R40L L41P L41R H44fs L51F S52N</u>
rgThrPheLe	uArgLeuGln	ProHisSerA	snGlyLysVa	lAspLeuSer	52	
<u>TTACCCAACA</u>	<u>TTGGTATCAA</u>	<u>GCGGGCCTGG</u>	<u>GATGTGGCCA</u>	<u>GGCTTCAGTC</u>	206	<u>I56V W62X(c.185) W62X(c.186) S69T</u>
LeuProAsnI	leGlyIleLy	sArgAlaTrp	AspValAlaA	rgLeuGlnSe	69	
<u>ACTGGACACA</u>	<u>AGCTTTCTGG</u>	<u>AGCAAGGTGA</u>	<u>TGTCACAACA</u>	<u>CCACCTCAG</u>	256	<u>D79N D79Y V80I F83C S85*</u>
rLeuAspThr	SerPheLeuG	luGlnGlyAs	pValThrThr	ProThrSerG	86	
<u>AGCAAGTGGG</u>	<u>GAAGCTAAAG</u>	<u>GAGGTTGCAG</u>	<u>GCTTGCCTGA</u>	<u>CGACTGTGCT</u>	306	<u>E93fs L97fs</u>
luGlnValGl	uLysLeuLys	GluValAlaG	lyLeuProAs	pAspCysAla	102	
<u>GTCACCGAGC</u>	<u>GCCTGGCTGT</u>	<u>GCTGGCCTTT</u>	<u>CTTTACTTAT</u>	<u>ACCTGTCCAT</u>	356	<u>V109L Y114fs Y116H L117P</u>
ValThrGluA	rgLeuAlaVa	lLeuAlaPhe	LeuTyrLeuT	yrLeuSerIl	119	
<u>CTGCCGGAAG</u>	<u>CAGAGGCCCC</u>	<u>TGCCGAGCCT</u>	<u>GGATATCGTA</u>	<u>GTGTGGTCCG</u>	406	<u>I119M R124W del EXON 5 P127L S128Pfs* D130G V132I V132Efs*25 W134X S135L S135S</u>
eCysArgLys	GlnArgAlaL	euProSerLe	uAspIleVal	ValTrpSerG	136	
<u>AGCTGCCCCC</u>	<u>CGGGGCGGGC</u>	<u>TTGGGCTCCA</u>	<u>GCGCCGCTTA</u>	<u>CTCGGTGTGT</u>	456	<u>G140fs A141fs (dupG) A141fs (delG) G142D G144V S146N A147T A147A A148T 447 448insGCCTAC A148V</u>
<u>Y149X S150L C152fs S150S V151M C152Y</u>						
luLeuProPr	oGlyAlaGly	LeuGlySerS	erAlaAlaTy	rSerValCys	152	
<u>CTGGCAGCAG</u>	<u>CCCTCCTGAC</u>	<u>TGTGTGCGAG</u>	<u>GAGATCCCAA</u>	<u>ACCCGCTGAA</u>	506	<u>T159fs C161RfsX25 C161R I164fs N166K P165L P167L L168fs</u>
LeuAlaAlaA	laLeuLeuTh	rValCysGlu	GluIleProA	snProLeuLy	169	
<u>GGACGGGGAT</u>	<u>TGCGTCAACA</u>	<u>GGTGGACCAA</u>	<u>GGAGGATTTG</u>	<u>GAGCTAATTA</u>	556	<u>D170D G171R D172D C173R E180K L182F</u>
sAspGlyAsp	CysValAsnA	rgTrpThrLy	sGluAspLeu	GluLeuIleA	186	

ACAAGTGGGC CTTCCAAGGG GAGAGAATGA TTCACGGGAA CCCCTCCGGA 606 W188X A189V Q190fs G192E H197H S201F G202R G202Q  
 snLysTrpAl aPheGlnGly GluArgMetI leHisGlyAs nProSerGly 202

GTGGACAATG CTGTCAGCAC CTGGGGAGGA GCCCTCCGAT ACCATCAAGG 656 V203fs V203A D204E N205D T209A G211A G211E G212R G211del L214Hfs\*63 R215X R215G R215O H217P  
Q218X G219W  
 ValAspAsnA laValSerTh rTrpGlyGly AlaLeuArgT yrHisGlnGl 219

GAAGATTTCA TCCTTAAAGA GGTCGCCAGC TCTCCAGATC CTGCTGACCA 706 L224\* R226K P228L P228P L230P L234P  
 yLysIleSer SerLeuLysA rgSerProAl aLeuGlnIle LeuLeuThrA 236

ACACCAAAGT CCCTCGCAAT ACCAGGGCCC TTGTGGCTGG CGTCAGAAAC 756 T237S T237N R241C T243I L246P V247fs V250I V250F N252S  
 snThrLysVa lProArgAsn ThrArgAlaL euValAlaGl yValArgAsn 252

AGGCTGCTCA AGTTCCCAGA GATCGTGGCC CCCCTCCTGA CCTCAATAGA 806 L255P F257I I260I V261A A262P P263P L264F c.790del L265P L265R I268T I268K D269H  
 ArgLeuLeuL ysPheProGl uIleValAla ProLeuLeuT hrSerIleAs 269

TGCCATCTCC CTGGAGTGTG AGCGCGTGCT GGGAGAGATG GGGGAAGCCC 856 S272P S272F S272Fdelins R277C R277G R277H R277R V278A L279P M282T E284Kfs\*17 c.853insA  
 pAlaIleSer LeuGluCysG luArgValLe uGlyGluMet GlyGluAlaP 286

CAGCCCCGGA GCAGTACCTC GTGCTGGAAG AGCTCATTGA CATGAACCAG 906 P286L P288L Q290H Y291D V293M del exons 10-11 E296G I298T D299N M300V N301T N301Tfs\* Q302\*  
 roAlaProGl uGlnTyrLeu ValLeuGluG luLeuIleAs pMetAsnGln 302

CACCATCTGA ATGCCCTCGG CGTGGGCCAC GCCTCTCTGG ACCAGCTCTG 956 L308L G309S G309V V310M V310L G311R H311R S314S L315V L315Gfs\*51 c.955T>C C319S  
 HisHisLeuA snAlaLeuGl yValGlyHis AlaSerLeuA spGlnLeuCy 319

CCAGGTGACC AGGGCCCGCG GACTTCACAG CAAGCTGACT GCGCCAGGCG 1006 V321A T322S T322N A324V R325R G326R S329N S329R G333G A334T G335S G335D G335A G335G G336S  
 sGlnValThr ArgAlaArgG lyLeuHisSe rLysLeuThr GlyAlaGlyG 336

GTGGTGGCTG TGGCATCACA CTCCTCAAGC CAGGGCTGGA GCAGCCAGAA 1056 G338S G338D C339S T342A T342I L343I L343P G347R  
 lyGlyGlyCy sGlyIleThr LeuLeuLysP roGlyLeuGl uGlnProGlu 352

GTGGAGGCCA CGAAGCAGGC CCTGACCAGC TGTGGCTTTG ACTGCTTGGA 1106 c.1057delTGGAGGCCACGAAG V353del T356M T356R L357fs Q358P S362I F365I F364S D366fs C367S  
 ValGluAlaT hrLysGlnAl aLeuThrSer CysGlyPheA spCysLeuGl 369

AACCAGCATC GGTGCCCCG GCGTTCCAT CCACTCAGCC ACCTCCCTGG 1156 I372M G376S G376V V377I S378P I379N H380R A382P S384F D386N  
 uThrSerIle GlyAlaProG lyValSerIl eHisSerAla ThrSerLeuA 386

ACAGCCGAGT CCAGCAAGCC CTGGATGGCC TCTGAGAGGA GCCCACGACA \*15 R388X Q390\* Q390P Stop397R c.1202C>T  
 spSerArgVa lGlnGlnAla LeuAspGlyL euStop

CTGCAGCCCC ACCCAGATGC CCCTTTCTGG ATTATTCTGG GGGCTGCAGT \*65 [c.\\*35C>T](#) [1245-1246INSG](#)  
 TCGACTCTGT GCTGGCCAGC GAGCGCCCAG CTCCTGACAC TGCTGGAGAG \*115  
 GCCCCAGCCG CTTGGCGATG CCAGCCAAGC TCTGCAGTCC CAGCGGTGGG \*165  
 ACCTAGGGAG GCATGGTCTG CCCTCTGCAT CCTCTGGAGC CAGCCGAGCA \*215  
 GGAGGCCTAG GAGGGTCCCTC TGAGACTCCA GACCTGAGGC GAGAAGGGCT \*265  
 GCTTCCCTGA AGCTCCACA GTCCCATCTG CTTCAGGCC CCGCCTTGGC \*315  
 CTGTGTTCTT CCTGGCCGCC TGGGTCCAAT GCTCAGGTGC TGGGGCCTGG \*365  
 TTCCCGGAGA AGTGTGCCTT CTCTCTCCCT TTTCAGGGAC CGCCCCCTGT \*415  
 CTCTCAGGGC CAGGCCTCTC CCTCCTCCAG GAAGCCTTCC CCTACCCCTT \*465  
 GTCGCCCTC CCTCCCAGAG CACCTGCTGT CTGGGTGGCT CACTCAGCAC \*515  
 TTGGTGTGGC CTTCCCTTCT ACCTAGCGGG ATGGGGCTCC CCCAGGGGCT \*565  
 GTCCCGGAGG CGGTGGGCCT GGTTAAATAA GGCAGGGTTT ATATGCACTT \*615 [\\*571G>A](#)  
 TCTTCCGATC TGTACCTGAG AGGTTTGTGG AAAAGATGGC AAATGGGGAA \*665  
 TAAAAAGATT TTGTGTCAAC AGTAGAGACT CCAGGCCACC AGCACCTCCC \*715  
 TCTGTCCCTG TCCCCTCTCC AGCTGTTTCC TCCATGGAGC TCTTCAGCAA \*765  
 TGGAGGGAAA TAGGGTTTGG GGTCACTTTG TTGTGCGTCT TGGGGATGAG \*815  
 GTGGCTTTTC CCAGATGGCC CTTGCTGGAG AGGGACTGGG ACACGGCTCT \*865  
 CAGTCCATCA GCACAACCTCT AGGCTGCTGC TCGGGAGGGA GAAGTTGAGC \*915  
 TTCCTAGCTC CAGAATCACA AGCACCCACG AGAGCACAGA CCTGTGTAAG \*965  
 ACAGGAAAGC AGAACCTGCC ATCGCTCCTG GGGCGCGCCT TCCTTTCTGA \*1015  
 AATGAACTGG CTGGATGGAG AAAACAGACT CAAATGTTCT GGCCCGGGTG \*1065  
 CCTGGCACTC CCCACCCCCG CCCCCACCG GCCCTATTTG AACTTTATAT \*1115  
 TGCAGTCAGC TTGGTGCTTT CCGAAATGCC ATTAGCCATC AGGAAACCTT \*1165  
 TGTAGTTGGT GCCTTGCCAG CCAGAACCTC TGGGACCCAC GGACCTGCAA \*1215  
 AGAGGCCGAG TGGAAAGGTG GGGGCCGGCG CAGGGATTTC AGGATGAGGT \*1265  
 GAAAGCGATT CAGTGC CGT CTGCCCTTG CCACTAGGGG GCAGCTGGCG \*1315  
 GCCTTCCCTG CTGTTGTCTT CCTGCAGGGT GAGAGGAGCA GGAGCCGAGC \*1365  
 TCCACCCCA CGCCAGCCTT GGGCCCGGCC TGGGATCACT GCTGGGAACG \*1415  
 TGAGAGTGAA GGGAGGACGC CTACCCAGC TTAACTTGTA GAAATGGCCC \*1465  
 CAGATCACTG ATGGCTGTTT CCTGCCCTT CCCTTCAAAA CACAACGCAT \*1515  
 AAAGCAGTAA TACTAATTAA TACTGAACGC TCA