http://www.ncbi.nlm.nih.gov/

**Human immunodeficiency virus   
type 1 (HXB2)  
complete genome**

1 tggaagggct aattcactcc caacgaagac aagatatcct tgatctgtgg atctaccaca

61 cacaaggcta cttccctgat tagcagaact acacaccagg gccagggatc agatatccac

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181 acaaaggaga gaacaccagc ttgttacacc ctgtgagcct gcatggaatg gatgacccgg

241 agagagaagt gttagagtgg aggtttgaca gccgcctagc atttcatcac atggcccgag

301 agctgcatcc ggagtacttc aagaactgct gacatcgagc ttgctacaag ggactttccg

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421 cctgcatata agcagctgct ttttgcctgt actgggtctc tctggttaga ccagatctga

481 gcctgggagc tctctggcta actagggaac ccactgctta agcctcaata aagcttgcct

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601 agaccctttt agtcagtgtg gaaaatctct agcagtggcg cccgaacagg gacctgaaag

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961 agacaaatac tgggacagct acaaccatcc cttcagacag gatcagaaga acttagatca

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1201 atccaggggc aaatggtaca tcaggccata tcacctagaa ctttaaatgc atgggtaaaa

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1321 ggagccaccc cacaagattt aaacaccatg ctaaacacag tggggggaca tcaagcagcc

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1681 gaccggttct ataaaactct aagagccgag caagcttcac aggaggtaaa aaattggatg

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2221 ccgatagaca aggaactgta tcctttaact tccctcaggt cactctttgg caacgacccc

2281 tcgtcacaat aaagataggg gggcaactaa aggaagctct attagataca ggagcagatg

2341 atacagtatt agaagaaatg agtttgccag gaagatggaa accaaaaatg atagggggaa

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2701 ggcctgaaaa tccatacaat actccagtat ttgccataaa gaaaaaagac agtactaaat

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4381 atggacaagt agactgtagt ccaggaatat ggcaactaga ttgtacacat ttagaaggaa

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4561 aaacaataca tactgacaat ggcagcaatt tcaccggtgc tacggttagg gccgcctgtt

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5341 gaactagcag accaactaat tcatctgtat tactttgact gtttttcaga ctctgctata

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5461 aaggtaggat ctctacaata cttggcacta gcagcattaa taacaccaaa aaagataaag

5521 ccacctttgc ctagtgttac gaaactgaca gaggatagat ggaacaagcc ccagaagacc

5581 aagggccaca gagggagcca cacaatgaat ggacactaga gcttttagag gagcttaaga

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5701 aaacttatgg ggatacttgg gcaggagtgg aagccataat aagaattctg caacaactgc

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6181 caggttaatt gatagactaa tagaaagagc agaagacagt ggcaatgaga gtgaaggaga

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8221 gggcaagttt gtggaattgg tttaacataa caaattggct gtggtatata aaattattca

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8341 atagagttag gcagggatat tcaccattat cgtttcagac ccacctccca accccgaggg

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8521 tcagctacca ccgcttgaga gacttactct tgattgtaac gaggattgtg gaacttctgg

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8641 aactaaagaa tagtgctgtt agcttgctca atgccacagc catagcagta gctgagggga

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9601 gcttaagcct caataaagct tgccttgagt gcttcaagta gtgtgtgccc gtctgttgtg

9661 tgactctggt aactagagat ccctcagacc cttttagtca gtgtggaaaa tctctagca

**Mouse MHC class I  
cell surface glycoprotein  
(H-2T24)**

1 gaattccgga tgtcaggatc aagctttaag cttctgagtc acccccagga cggaggccgg

61 tcgcactctc tgcattactg ttactcagct gtgactgagc cgggcccggg agttccttca

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541 aaagagaaga cctacttgga gaaggagtgc atcctatggc tgcagagata cttaaccatg

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721 ctgacctggc agttgaatgg agaggagctg acccaggaca cggagcttgt ggagacgagg

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1921 agagcaacga gcatgttaag ctgagaaagg aaaaacacaa aatatacagt tcaagtatta

1981 aaggggcacc aggaagtgaa atggagataa cagattaagg gatttggggc aagatcctac

2041 ccagcttaat ttagatccag gcagggtggt acaaaccttt gatcccagga gacaaagaca

2101 aacagatctc taaattcaag gccagcctcg gaattc

**Tobacco mosaic virus  
complete genome**

1 gtatttttac aacaattacc aacaacaaca aacaacaaac aacattacaa ttactattta

61 caattacaat ggcatacaca cagacagcta ccacatcagc tttgctggac actgtccgag

121 gaaataactc cttggtcaac gatctagcaa agcgtcgtct ttacgacaca gcggttgaag

181 agtttaacgc tcgtgaccgc aggcccaaag tgaacttttc aaaagtaata agcgaggagc

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301 atgccgtgca ttcgcttgca ggtggattgc gatctttaga actggaatat ctgatgatgc

361 aaattcccta cggatcattg acttatgaca taggtgggaa ttttgcatcg catctgttca

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961 ttttagtcac cagggttaat acctggtttt gtaagttttc tagaatagat acttttcttt

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**Drosophila melanogaster  
dual specificity kinase  
DYRK2**

1 gcggttgtgc ggagcggacg agttggaata accagcgagg ttcaatattt tctgtacggg

61 cgcattgttt gaggctcgtt tggagaactg caggcgttca aaacacggaa tcgaaatcga

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