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>emb|FN692043.2|  Xenotropic MuLV-related virus 22Rv1/CWR-R1 complete proviral genome

Length=8185  =SUBJECT (Sbjct)


Query = Lithuanian sequence


Score = 1.308e+04 bits (7082),  Expect = 0.0

Identities = 7847/8212 (96%), Gaps = 69/8212 (1%)

Strand=Plus/Plus


Query  355   GCGCCAGTCATCCGATAGACTGAGTCGCCCGGGTACCCGTGTTCCCAATAAAGCCTTTTG  414

             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||

Sbjct  1     GCGCCAGTCATCCGATAGACTGAGTCGCCCGGGTACCCGTGTTCCCAATAAAGCCTTTTG  60


Query  415   CTGTTTGCATCCGAATCGTGGTCTCGCTGATCCTTGGGAGGGTCTCCTCAGAGTGATTGA  474

             ||||||||||||||| ||||| ||||||| ||||||||||||||||||||||||||||||

Sbjct  61    CTGTTTGCATCCGAAGCGTGGCCTCGCTGTTCCTTGGGAGGGTCTCCTCAGAGTGATTGA  120


Query  475   CTACCCAGCTCGGGGGTCTTTCATTTGGGGGCTCGTCCGGGATCCGGAGACCCCCGCCCA  534

             ||||||||||||||||||||||||||||||||||||||||||| ||||||||||||||||

Sbjct  121   CTACCCAGCTCGGGGGTCTTTCATTTGGGGGCTCGTCCGGGATTCGGAGACCCCCGCCCA  180


Query  535   GGGACCACCGACCCACCGTCGGGAGGTAAGCTGGCCAGCGATCGTTTTGTCTCCGTCTCT  594

             ||||||||||||||||||||||||||||||| |||| |||||||||||||||  ||||||

Sbjct  181   GGGACCACCGACCCACCGTCGGGAGGTAAGCCGGCCGGCGATCGTTTTGTCTTTGTCTCT  240


Query  595   GTCTTTGTGC----GTGTGTGTGCCGGCATCCAATGTTTGCGCCT--G-C-G--TCTGTA  644

             ||||||||||    ||||||||||||||||| |||  | ||||||  | | |  ||||||

Sbjct  241   GTCTTTGTGCGTGTGTGTGTGTGCCGGCATCTAATCCTCGCGCCTGCGTCTGAATCTGTA  300


Query  645   CTAGTTAGCTAACTAGATCTGTATCTGGCGGTTCCGCGGAAGAACTGACGAGTTCGTATT  704

             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
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Sbjct  301   CTAGTTAGCTAACTAGATCTGTATCTGGCGGTTCCGCGGAAGAACTGACGAGTTCGTATT  360

Query  705   CCCGGCCGCAGCCCCTGGAGACGTCCCAGCGGCCTCGGGGGCCCGTTTTGTGGCCCATT  764
             ||||||||||| ||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  361   CCCGGCCGCAG-CCCTGGAGACGTCCCAGCGGCCTCGGGGGCCCGTTTTGTGGCCCATT  419

Query  765   CTGTATCAGTTAACCTACCCGAGTCGGACTTTTTGGAGCTCCGCCACTGTACGTGGCTTT  824
             ||||||||||||||||||||||||||||| ||||     |  |     | | ||||||||
Sbjct  420   CTGTATCAGTTAACCTACCCGAGTCGGAC-TTTT-----T--G-----G-A-GTGGCTTT  464

Query  825   GTTGGGGGACGAGAGACAGAGACACTTCCCGCCCCCGTCTGAATTTTTGCTTTCGGTTTT  884
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  465   GTTGGGGGACGAGAGACAGAGACACTTCCCGCCCCCGTCTGAATTTTTGCTTTCGGTTTT  524

Query  885   ACGCCGAAGCCGCGCCGCGCGTCTGATTTG-TTTGTTGTTCTTTTGTTCTTCGTTAGTTT  943
             |||||||| ||||||||||||||||||||| |||||||||||| ||||||||||||||||
Sbjct  525   ACGCCGAAACCGCGCCGCGCGTCTGATTTGTTTTGTTGTTCTTCTGTTCTTCGTTAGTTT  584

Query  944   TCTTCTGTCTTTAAGTGTTTTCGAGATCATGGGACAGACCGTAACTACCCCTCTGAGTCT  1003
             ||||||||||||||||||| ||||||||||||||||||||||||||||||||||||||||
Sbjct  585   TCTTCTGTCTTTAAGTGTTCTCGAGATCATGGGACAGACCGTAACTACCCCTCTGAGTCT  644

Query  1004  AACCTTGCAGCACTGGGGAGATGTCCAGCGCATTGCATCCAACCAGTCTGTGGATGTCAG  1063
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||| 
Sbjct  645   AACCTTGCAGCACTGGGGAGATGTCCAGCGCATTGCATCCAACCAGTCTGTGGATGTCAA  704

Query  1064  GAAGAGGCGCTGGATTACCTTCTGTTCCGCCGAATGGCCAACTTTCAATGTAGGATGGCC  1123
             ||||||||||||| ||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  705   GAAGAGGCGCTGGGTTACCTTCTGTTCCGCCGAATGGCCAACTTTCAATGTAGGATGGCC  764

Query  1124  TCAGGATGGTACTTTCAATTTAAGTATTATCTCTCAGGTTAAGTCTAGAGTGTTTTGTCC  1183
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                 ||||||||||||||| |||||| |||||||||||||||| ||||||||||||||||||||
Sbjct  765       TCAGGATGGTACTTTTAATTTAGGTATTATCTCTCAGGTCAAGTCTAGAGTGTTTTGTCC  824

Query  1184      TGGTCCCCACGGACACCCGGATCAGGTCCCATATATCGTTACCTGGGAGGCACTTGCCTA  1243
                 ||||||||||||||||||||||||||||||||||||||| ||||||||||||||||||||
Sbjct  825       TGGTCCCCACGGACACCCGGATCAGGTCCCATATATCGTCACCTGGGAGGCACTTGCCTA  884

Query  1244      TGACCCCCCTCCGTGGGTCAAACCGTTTGTTTCTCCTAAACCTCCTCCCTTGCCGACAGC  1303
                 |||||||||||||||||||||||||||||| ||||||||||| ||||| || ||||||||
Sbjct  885       TGACCCCCCTCCGTGGGTCAAACCGTTTGTCTCTCCTAAACCCCCTCCTTTACCGACAGC  944

Query  1304      TCCCGTCCTCCCGCCCGGTCCTTCTGCGCAACCTCCGTCCCGATCTGCCCTTTACCCTGC  1363
                 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  945       TCCCGTCCTCCCGCCCGGTCCTTCTGCGCAACCTCCGTCCCGATCTGCCCTTTACCCTGC  1004

Query  1364      CCTTACCCCCTCTATAAAGTCCAAACCTCCTAAGCCCCAGGTTCTCCCTGATAGCGGCGG  1423
                 ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  1005      CCTTACCCCCTCTATAAAGTCCAAACCTCCTAAGCCCCAGGTTCTCCCTGATAGCGGCGG  1064

Query  1424      ACCTCTCATTGACCTTCTCACAGAGGACCCCCCGCCGTACGGAGCACAACCTTCCTCCTC  1483
                 ||||||||||||||||||||||||||| ||||||||||||||||||||||||||||||||
Sbjct  1065      ACCTCTCATTGACCTTCTCACAGAGGATCCCCCGCCGTACGGAGCACAACCTTCCTCCTC  1124

Query  1484      TGCCAGAGG-GAACGATGAAGAAGAGGCGGCCACCACCTCCGAGGTTTCCCCCCCTTCTC  1542
                 |||||| || |||| |||||||||||||||||||||||||||||||||||||||||||||
Sbjct  1125      TGCCAG-GGAGAACAATGAAGAAGAGGCGGCCACCACCTCCGAGGTTTCCCCCCCTTCTC  1183

Query  1543      CCATGGTGTCTCGACTGCGGGGAAGGAGAGACCCTCCCGCAGCGGACTCCACCTCCTCCC  1602
                 ||||||||||||||||||||||||||||||||||||||||||||||||||||| ||||||
Sbjct  1184      CCATGGTGTCTCGACTGCGGGGAAGGAGAGACCCTCCCGCAGCGGACTCCACCACCTCCC  1243
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Query  1603  AGGCATTCCCACTCCGCATGGGGGGAGATGGCCGGCTTCAGTACTGGCCGTTTTCCTCTT  1662
             ||||||||||||||||||||||||||||||||| |||||||||||||||||||||||| |
Sbjct  1244  AGGCATTCCCACTCCGCATGGGGGGAGATGGCCAGCTTCAGTACTGGCCGTTTTCCTCCT  1303

Query  1663  CGGATTTATACAATTGGAAAAATAATAACCCTTCCTTTTCTGAAGATCCAGGTAAATTGA  1722
             | |||||||| |||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  1304  CTGATTTATATAATTGGAAAAATAATAACCCTTCCTTTTCTGAAGATCCAGGTAAATTGA  1363

Query  1723  CGGCCTTGATTGAGTCCGTCCTCATCACCCACCAGCCCACCTGGGGCGACTGTCAGCAGT  1782
             ||||||||||||||||||||||||||||||||||||||||||||| ||||||||||||||
Sbjct  1364  CGGCCTTGATTGAGTCCGTCCTCATCACCCACCAGCCCACCTGGGACGACTGTCAGCAGT  1423

Query  1783  TGTTGGGGACCCTGCTGACCGGAGAAGAAAAGCAGCGGGTGCTCCTAGAGGCTAGGAAGG  1842
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||| ||||
Sbjct  1424  TGTTGGGGACCCTGCTGACCGGAGAAGAAAAGCAGCGGGTGCTCCTAGAGGCTAGAAAGG  1483

Query  1843  CAGTCCGGGGCAATGATGGACGCCCCACTCAGTTGCCTAATGAAGTCAATGCTGCTTTTC  1902
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  1484  CAGTCCGGGGCAATGATGGACGCCCCACTCAGTTGCCTAATGAAGTCAATGCTGCTTTTC  1543

Query  1903  CCCTTGAGCGCCCCGATTGGGATTACACCACTACAGAAGGTAGGAACCACCTAGTCCTCT  1962
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  1544  CCCTTGAGCGCCCCGATTGGGATTACACCACTACAGAAGGTAGGAACCACCTAGTCCTCT  1603

Query  1963  ATCGCCAGTTGCTCTTAGCGGGTCTCCAAAACGCGGGCAGAAGCCCCACCAATTTGGCCA  2022
             | ||||||||||||||||||||||||||||||||||||||| ||||||||||||||||||
Sbjct  1604  ACCGCCAGTTGCTCTTAGCGGGTCTCCAAAACGCGGGCAGGAGCCCCACCAATTTGGCCA  1663

Query  2023  AGGTAAAAGGGATAACCCAGGGACCTAATGAGTCTCCCTCAGCCTTTTTAGAGAGACTCA  2082
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  1664  AGGTAAAAGGGATAACCCAGGGACCTAATGAGTCTCCCTCAGCCTTTTTAGAGAGACTCA  1723
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Query  2083  AGGAGGCCTATCGCAGGTACACTCCTTATGACCCTGAGGACCCAGGGCAAGAAACCAATG  2142
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  1724  AGGAGGCCTATCGCAGGTACACTCCTTATGACCCTGAGGACCCAGGGCAAGAAACCAATG  1783

Query  2143  TGTCTATGTCATTCATCTGGCAGTCTGCCCCGGATATCGGGCGAAAGTTAGAGCGGTTAG  2202
             |||| |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  1784  TGTCCATGTCATTCATCTGGCAGTCTGCCCCGGATATCGGGCGAAAGTTAGAGCGGTTAG  1843

Query  2203  AAGATTTAAAGAGCAAGACATTAGGAGATTTAGTGAGGGAAGCTGAAAAGATCTTTAATA  2262
             ||||||||||||||||||| |||||||| |||||||||||||||||||||||||||||||
Sbjct  1844  AAGATTTAAAGAGCAAGACCTTAGGAGACTTAGTGAGGGAAGCTGAAAAGATCTTTAATA  1903

Query  2263  AGCGAGAAACCCCGGAAGAAAGAGAGGAACGTATCAGGAGAGAAACAGAAGAAAAAGAAG  2322
             ||||||||||||||||||||||||||||||||||||||||||||| ||| ||||||||||
Sbjct  1904  AGCGAGAAACCCCGGAAGAAAGAGAGGAACGTATCAGGAGAGAAATAGAGGAAAAAGAAG  1963

Query  2323  AACGCCGTAGGGCAGAGGATGAGCAGAAAGAGAAAGAAAGGGACCGCAGAAGACATAGAG  2382
             ||||||||||||||||||||||||||| ||||| ||||||||||||||||||||||||||
Sbjct  1964  AACGCCGTAGGGCAGAGGATGAGCAGAGAGAGAGAGAAAGGGACCGCAGAAGACATAGAG  2023

Query  2383  AGATGAGCAAGCTCTTGGCCACTGTAGTTATTGGTCAGAGACAGGATAGACAGGGGGGAG  2442
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  2024  AGATGAGCAAGCTCTTGGCCACTGTAGTTATTGGTCAGAGACAGGATAGACAGGGGGGAG  2083

Query  2443  AGCGGAAGAGGCCCCAACTTGATAAGGATCAATGCGCCTACTGCAAAGAAAAGGGACACT  2502
             |||||| ||||||||||||||||||||| |||||||||||||||||||||||||||||||
Sbjct  2084  AGCGGAGGAGGCCCCAACTTGATAAGGACCAATGCGCCTACTGCAAAGAAAAGGGACACT  2143

Query  2503  GGGCTAAAGACTGCCCAAAGAAGCCACGAGGGCCCCGAGGACCGAGGCCCCAGACCTCCC  2562
             ||||||| ||||||||||||||||||||||||||||||||||||||||||||||||||||
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Sbjct  2144  GGGCTAAGGACTGCCCAAAGAAGCCACGAGGGCCCCGAGGACCGAGGCCCCAGACCTCCC  2203

Query  2563  TCCTGACCTTAGGTGACTAGGGAGGTCAGGGTCAGGAGCCCCCCCCTGAACCCAGGATAA  2622
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  2204  TCCTGACCTTAGGTGACTAGGGAGGTCAGGGTCAGGAGCCCCCCCCTGAACCCAGGATAA  2263

Query  2623  CCCTCAAAGTCGGGGGGCAACCCGTCACCTTCCTGGTAGATACTGGGGCCCAACACTCCG  2682
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  2264  CCCTCAAAGTCGGGGGGCAACCCGTCACCTTCCTGGTAGATACTGGGGCCCAACACTCCG  2323

Query  2683  TGCTGACCCAAAATCCTGGACCCCCAAGTGACAAGTCTGCCTGGGTCCAAGGGGCTACTG  2742
             |||||||||||||||||||||||| |||||||||||||||||||||||||||||||||||
Sbjct  2324  TGCTGACCCAAAATCCTGGACCCCTAAGTGACAAGTCTGCCTGGGTCCAAGGGGCTACTG  2383

Query  2743  GAGGAAAGCGGTATCGCTGGACCACGGATCGCAAAGTGCATCTAGCTACCGGTAAGGTCA  2802
             ||||||||||||||||||||||||||||||||||||| ||||| ||||||||||||||||
Sbjct  2384  GAGGAAAGCGGTATCGCTGGACCACGGATCGCAAAGTACATCTGGCTACCGGTAAGGTCA  2443

Query  2803  CCCACTCTTTCCTCCATGTACCAGACTGCCCCTATCCTCTGCTAGGAAGAGATTTGCTGA  2862
             |||||||||||||||||||||||||||||||||||||||||||||||||||| |||||||
Sbjct  2444  CCCACTCTTTCCTCCATGTACCAGACTGCCCCTATCCTCTGCTAGGAAGAGACTTGCTGA  2503

Query  2863  CTAAACTAAAAGCCCAAATCCACTTTGAGGGATCAGGAGCTCAGGTTATGGGACCAATGG  2922
             ||||||||||||||||||||||||| ||||||||||||||||||||| ||||||| ||||
Sbjct  2504  CTAAACTAAAAGCCCAAATCCACTTCGAGGGATCAGGAGCTCAGGTTGTGGGACCGATGG  2563

Query  2923  GACAGCCCCTGCAAGTGCTGACCCTAAACATAGAAGATGAGTATCGGCTACATGAGACCC  2982
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||| 
Sbjct  2564  GACAGCCCCTGCAAGTGCTGACCCTAAACATAGAAGATGAGTATCGGCTACATGAGACCT  2623

Query  2983  CAAAAGAGCCGGATGTTTCTCTAGGGTCCACATGGCTTTCTGATTTTCCCCAGGCCTGGG  3042
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                ||||||||||| |||||| |||||||||||||||||||||||||||||||||||||||||||
Sbjct  2624   CAAAAGAGCCAGATGTTCCTCTAGGGTCCACATGGCTTTCTGATTTTCCCCAGGCCTGGG  2683

Query  3043   CGGAAACCGGGGGCATGGGACGGGCAGTTCGCCAAGCTCCTCTGATCATACCTCTGAAGG  3102
              |||||||||||||||||||||| |||||||||||||||||||||||||||||||||||||||
Sbjct  2684   CGGAAACCGGGGGCATGGGACTGGCAGTTCGCCAAGCTCCTCTGATCATACCTCTGAAGG  2743

Query  3103   CAACCTCTACCCCCGTGTCCATAAAACAATACCCCATGTCACAAGAAGCCAGACTGGGGA  3162
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  2744   CAACCTCTACCCCCGTGTCCATAAAACAATACCCCATGTCACAAGAAGCCAGACTGGGGA  2803

Query  3163   TCAAGCCCCACATACAGAGACTGTTGGACCAGGGAATACTGGTACCCTGCCAGTCCCCCT  3222
              |||||||||||||||||||| |||||||||||||||||||||||||||||||||||||||
Sbjct  2804   TCAAGCCCCACATACAGAGGCTGTTGGACCAGGGAATACTGGTACCCTGCCAGTCCCCCT  2863

Query  3223   GGAACACGCCCCTGCTACCCGTTAAGAAACCAGGGACTAATGATTACAGGCCTGTCCAAG  3282
              |||||||||||||||||||||||||||||||||||||||||||||| ||||||||||| |
Sbjct  2864   GGAACACGCCCCTGCTACCCGTTAAGAAACCAGGGACTAATGATTATAGGCCTGTCCAGG  2923

Query  3283   ATCTGAGAGAAGTCAACAAGCGGGTGGAAGACATCCACCCCACCGTGCCCAACCCTTACA  3342
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  2924   ATCTGAGAGAAGTCAACAAGCGGGTGGAAGACATCCACCCCACCGTGCCCAACCCTTACA  2983

Query  3343   ACCTCTTGAGCGGGCTCCCACCGTCCCACCAGTGGTACACTGTGCTTGACTTAAAGGATG  3402
              |||||||||||||||||||||||||||||||||||||||||||||||| ||||||||||
Sbjct  2984   ACCTCTTGAGCGGGCTCCCACCGTCCCACCAGTGGTACACTGTGCTTGATTTAAAGGATG  3043

Query  3403   CCTTTTTCTGCCTGAGACTCCACCCCACCAGTCAGCCTCTCTTCGCCTTTGAGTGGAGAG  3462
              ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  3044   CCTTTTTCTGCCTGAGACTCCACCCCACCAGTCAGCCTCTCTTCGCCTTTGAGTGGAGAG  3103
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Query  3463  ACCCAGAGATGGGAATCTCAGGACAATTAACCTGGACCAGACTCCCACAGGGTTTCAAAA  3522
             | ||||||||||||||||||||||| | |||||||||||||||||||||||||||||||
Sbjct  3104  ATCCAGAGATGGGAATCTCAGGACAACTGACCTGGACCAGACTCCCACAGGGTTTCAAAA  3163

Query  3523  ACAGTCCCACCCTGTTTGATGAGGCACTGCACAGAGACCTAGCAGGCTTCCGGATCCAGC  3582
             |||||||||||||||||||||||||||||||||||||||||||||  |||||||||||||
Sbjct  3164  ACAGTCCCACCCTGTTTGATGAGGCACTGCACAGAGACCTAGCAGATTTCCGGATCCAGC  3223

Query  3583  ACCCAGACTTGATCCTGCTACAGTACGTGGATGACTTACTGCTGGCCGCCACTTCTGAGC  3642
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  3224  ACCCAGACTTGATCCTGCTACAGTACGTGGATGACTTACTGCTGGCCGCCACTTCTGAGC  3283

Query  3643  TCGACTGCCAACAAGGTACTCGGCCCTGTTACAAACCCTAGGGAACCTCGGGTATCGGG  3702
               |||||||||| |||||||||||||| ||||||||||||||||||||||||||||||||
Sbjct  3284  AAGACTGCCAACGAGGTACTCGGCCCTATTACAAACCCTAGGGAACCTCGGGTATCGGG  3343

Query  3703  CCTCGGCCAAGAAAGCCCAAATTTGCCAGAAACAGGTCAAGTATCTGGGGTATCTTCTAA  3762
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||| ||||
Sbjct  3344  CCTCGGCCAAGAAAGCCCAAATTTGCCAGAAACAGGTCAAGTATCTGGGGTATCTCCTAA  3403

Query  3763  AAGAGGGTCAGAGATGGCTGACTGAGGCCAGAAAAGAGACTGTGATGGGGCAGCCTACTC  3822
             ||||||| ||||||||||||||||||||||||||||||||||||||||||||||| ||||
Sbjct  3404  AAGAGGGACAGAGATGGCTGACTGAGGCCAGAAAAGAGACTGTGATGGGGCAGCCCACTC  3463

Query  3823  CGAAGACCCCTCGACAACTAAGGGAGTTCCTAGGGACGGCAGGCTTCTGTCGCCTCTGGA  3882
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  3464  CGAAGACCCCTCGACAACTAAGGGAGTTCCTAGGGACGGCAGGCTTCTGTCGCCTCTGGA  3523

Query  3883  TCCCTGGGTTTGCAGAAATGGCAGCCCCCTTGTACCCTCTCACCAAAACGGGGACTCTGT  3942
             |||||||||||||||||||||||||||||||||||||||| |||||||||||||||||||
Sbjct  3524  TCCCTGGGTTTGCAGAAATGGCAGCCCCCTTGTACCCTCTTACCAAAACGGGGACTCTGT  3583
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Query  3943  TTAATTGGGGCCCAGACCAGCAAAAGGCCTATCAAGAAATCAAACAGGCTCTTCTAACTG  4002
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  3584  TTAATTGGGGCCCAGACCAGCAAAAGGCCTATCAAGAAATCAAACAGGCTCTTCTAACTG  3643

Query  4003  CCCCAGCCCTGGGATTGCCAGATTTGACTAAGCCCTTTGAACTCTTTGTCGACGAGAAGC  4062
             |||| |||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  3644  CCCCCGCCCTGGGATTGCCAGATTTGACTAAGCCCTTTGAACTCTTTGTCGACGAGAAGC  3703

Query  4063  AGGGCTACGCCAAAGGCGTCCTAACGCAAAAACTGGGACCTTGGCGTCGGCCGGTGGCCT  4122
             |||||||||||||||||||||||||||||||||||||||||||||||||||| |||||||
Sbjct  3704  AGGGCTACGCCAAAGGCGTCCTAACGCAAAAACTGGGACCTTGGCGTCGGCCTGTGGCCT  3763

Query  4123  ACCTGTCCAAAAAGCTAGACCCAGTGGCAGCTGGGTGGCCCCCTTGCCTACGGATGGTAG  4182
             ||||||||||||||||||||||||||||||||||||||||||||||||||||||||||||
Sbjct  3764  ACCTGTCCAAAAAGCTAGACCCAGTGGCAGCTGGGTGGCCCCCTTGCCTACGGATGGTAG  3823

Query  4183  CAGCCATTGCCGTTCTGACAAAAGATGCAGGCAAGCTAACCATGGGACAGCCGCTAGTCA  4242
             |||||||||||||||||||||| ||||||||||||||||| |||||||||||||||||||
Sbjct  3824  CAGCCATTGCCGTTCTGACAAAGGATGCAGGCAAGCTAACTATGGGACAGCCGCTAGTCA  3883

Query  4243  TCCTGGCCCCCCATGCAGTAGAGGCACTAGTCAAGCAACCCCCTGACCGTTGGCTATCCA  4302
             | |||||||||||||| ||||| ||||| ||||| |||||||||||||||||||||||||
Sbjct  3884  TTCTGGCCCCCCATGCGGTAGAAGCACTGGTCAAACAACCCCCTGACCGTTGGCTATCCA  3943

Query  4303  ATGCCCGCATGACCCACTATCAGGCAATGCTCCTGGATACGGACCGGGTTCAGTTCGGAC  4362
             |||||||||||||||||||||||||||||||||||||||| |||||||||||||||||||
Sbjct  3944  ATGCCCGCATGACCCACTATCAGGCAATGCTCCTGGATACAGACCGGGTTCAGTTCGGAC  4003

Query  4363  CGGTGGTGGCCCTCAACCCGGCCACCTTGCTCCCCCTACCGGAAAAGGAAGCCCCCCATG  4422
             |||||||||||||||||||||||||| |||||||||||||||||||||||||||||||||
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Sbjct  4004  CGGTGGTGGCCCTCAACCCGGCCACCCTGCTCCCCCTACCGGAAAAGGAAGCCCCCCATG  4063

Query  4423  ACTGCCTCGAGATCCTGGCTGAGACGCACGGAACCAGACCGGACCTCACGGACCAGCCCA  4482
             |||||||||||||| |||||||||||||||||||||||||||||||||||||||||||||
Sbjct  4064  ACTGCCTCGAGATCTTGGCTGAGACGCACGGAACCAGACCGGACCTCACGGACCAGCCCA  4123

Query  4483  TCCCAGACGCCGATCACACCTGGTACACAGATGGAAGCAGCTTTCTACAAGAAGGACAGC  4542
             |||||||||| ||| |||| ||||||||||||||||||||||| |||||||||||||| |
Sbjct  4124  TCCCAGACGCTGATTACACTTGGTACACAGATGGAAGCAGCTTCCTACAAGAAGGACAAC  4183

Query  4543  GGAGAGCTGGAGCAGCGGTGACCACTGAGACCGAGGTAATCTGGGCAAGGGCACTACCAG  4602
             |||||||||||||||||||||| ||||||||||||||||||||||| ||||| || || |
Sbjct  4184  GGAGAGCTGGAGCAGCGGTGACTACTGAGACCGAGGTAATCTGGGCGAGGGCTCTGCCGG  4243

Query  4603  CTGGAACATCCGCTCAGCGAGCCGAACTGATAGCACTCACTCAAGCCTTAAAGATGGCAG  4662
             ||||||||||||| || ||||||||||||||||||||||| |||||||||||||||||||
Sbjct  4244  CTGGAACATCCGCCCAACGAGCCGAACTGATAGCACTCACCCAAGCCTTAAAGATGGCAG  4303

Query  4663  AAGGTAAGAAGCTAAATGTTTACACTGATAGCCGCTATGCCTTCGCTACGGCCCATGTCC  4722
             |||||||||||||||||||||||||||||||||||||||||||||| |||||||||||||
Sbjct  4304  AAGGTAAGAAGCTAAATGTTTACACTGATAGCCGCTATGCCTTCGCCACGGCCCATGTCC  4363

Query  4723  ATGGAGAAATCTATAGGAGGCGAGGGTTGCTGACCTCAGAGGGCAGAGAAATCAAAAACA  4782
             |||||||||| ||||||||||||||||||||||||||||| ||||||||||| |||||||
Sbjct  4364  ATGGAGAAATATATAGGAGGCGAGGGTTGCTGACCTCAGAAGGCAGAGAAATTAAAAACA  4423

Query  4783  -GAAGCGAGATCTTGGCCTTGCTAAAAGCTCTCTTTCTGCCCAAAAGACTCAGTATAATC  4841
              ||| |||||||||||||||||||||||||||||||||||||||| |||| |||||||| 
Sbjct  4424  AGAA-CGAGATCTTGGCCTTGCTAAAAGCTCTCTTTCTGCCCAAACGACTTAGTATAATT  4482

Query  4842  CACTGTCCAGGACATCAAAAAGGAAATAGCGCCGAAGCTAGAGGCAACCGGATGGCAGAC  4901
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             |||||||||||||||||||||||||| || || || || ||||||||||| ||||||||  
Sbjct  4483  CACTGTCCAGGACATCAAAAAGGAAACAGTGCTGAGGCCAGAGGCAACCGTATGGCAGAT  4542

Query  4902  CAAGCAGCCCGGGAGGCAGCCATGA-GAACAGTTCCAGAAGCCTCTACACTCCTTATAGA  4960
             ||||||||||| ||||||||||||| |  |||||| |||| ||||||||||||| |||||
Sbjct  4543  CAAGCAGCCCGAGAGGCAGCCATGAAGG-CAGTTCTAGAAACCTCTACACTCCTCATAGA  4601

Query  4961  GGACTCGACCCCGTACACGCCTGCCTATTTCCATTACACCGAAACAGATCTAAAAAGATT  5020
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Sbjct  4602  GGACTCAACCCCGTATACGCCTCCCCATTTCCATTACACCGAAACAGATCTCAAAAGACT  4661

Query  5021  ACGAGAACTGGGAGCCACCTATAACCAGATAAAAGGATATTGGGTCCTACAAGGCAAGCC  5080
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Query  5081  GGTGATGCCCGATCAGTTTGTGTTTGAACTATTAGACTCCCTTCACAGACTCACCCACCT  5140
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Query  5141  CAGCCCTCAAAAGATGAAGGCACTCCTTGACAGAGAGGAAAGCCCCTACTACATGTTAAA  5200
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Query  5201  CCGAGATAAAACTCTTCAGTATGTGGCAGA-ATCCTGCACAGCCTGTGCTCAAGTGAATG  5259
             ||| || | |||| | ||||||||| | || | ||||||| |||||||| ||||| ||||
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Query  5260  CTAGCAAAGCCAAAATCGGGGCAGGGGTACGAGTACGCGGACATCGACCAGGTACCCATT  5319
             | |||||||||||||| ||||||||||| ||||||||||||||||| ||||| |||||||
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Query  5320  GGGAAATTGACTTCACTGAAGTTAAA-CCAGGGCTGTACGGGTACAAGTACCTCCTGGTG  5378
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Query  5379  TTCGTAGACACCCTCTCTGGCTGGGTGGAAGCCTTCCCAACTAAACGTGAAACTGCCAAG  5438
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Query  5439  GTTGTAACCAAGAAGCTATTAGAAGAAATATTCCCAAGATTCGGGATGCCACAGGTATTG  5498
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Sbjct  5080  GTCGTGTCCAAAAAGCTGTTAGAAGACATTTTTCCGAGATTTGGAATGCCGCAGGTATTG  5139

Query  5499  GGTTCCGATAATGGGCCTGCCTTCGTCTCCCAGGTAAGTCAGTCGGTGGCCGATTTACTG  5558
             || || ||||| ||||||||||||| |||||||||||||||||| |||||||||||||||
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Query  5559  GGGATCGATTGGAAATTACATTGTGCTTATAGACCCCAGAGTTCAGGTCAGGTAGAAAGA  5618
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Query  5619  ATGGATAGAACCATCAAGGAGACTCTAACTAAATTAACGCTTGCAGCTGGCACTAGAGAC  5678
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Query  5799  GAAATGTCAAAGTTAACTAATAGTCCCTCTCTCCAAGCTCACTTACAGGCCCTCCAAGCA  5858
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Query  5859  GTACAACGAGAGGTCTGGAAGCCGCTGGCCGCTGCTTATCAGGACCAGCTAGATCAGCCA  5918
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Query  5919  GTGATACCACACCCCTTCCGTGTCGGTGACGCCGTGTGGGTACGCCGGCACCAGACTAAG  5978
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Query  5979  AACTTGGAACCTCGCTGGAAAGGACCCTACACCGTCCTGCTGACCACCCCCACCGCTCTC  6038
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Query  6039  AAAGTTGACGGCATCTCTGCGTGGATACACGCCGCTCACGTAAAGGCGGCGACAACTCCT  6098
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Query  6099  CCGGCCGGAGCAGCATGGAAGGTCCAGCGTTCTCAAAACCCCTTAAAGATAAGATTAACC  6158
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Query  6389  --C-GCACTCCCGGGGGAAGAAAAAGGGCAAGAAC-ATTTGACTTCTATGTTTGCCCCGG  6444
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                  ||| ||||| |||||||||||||| ||||||| |||||||||||||||||||||||||||
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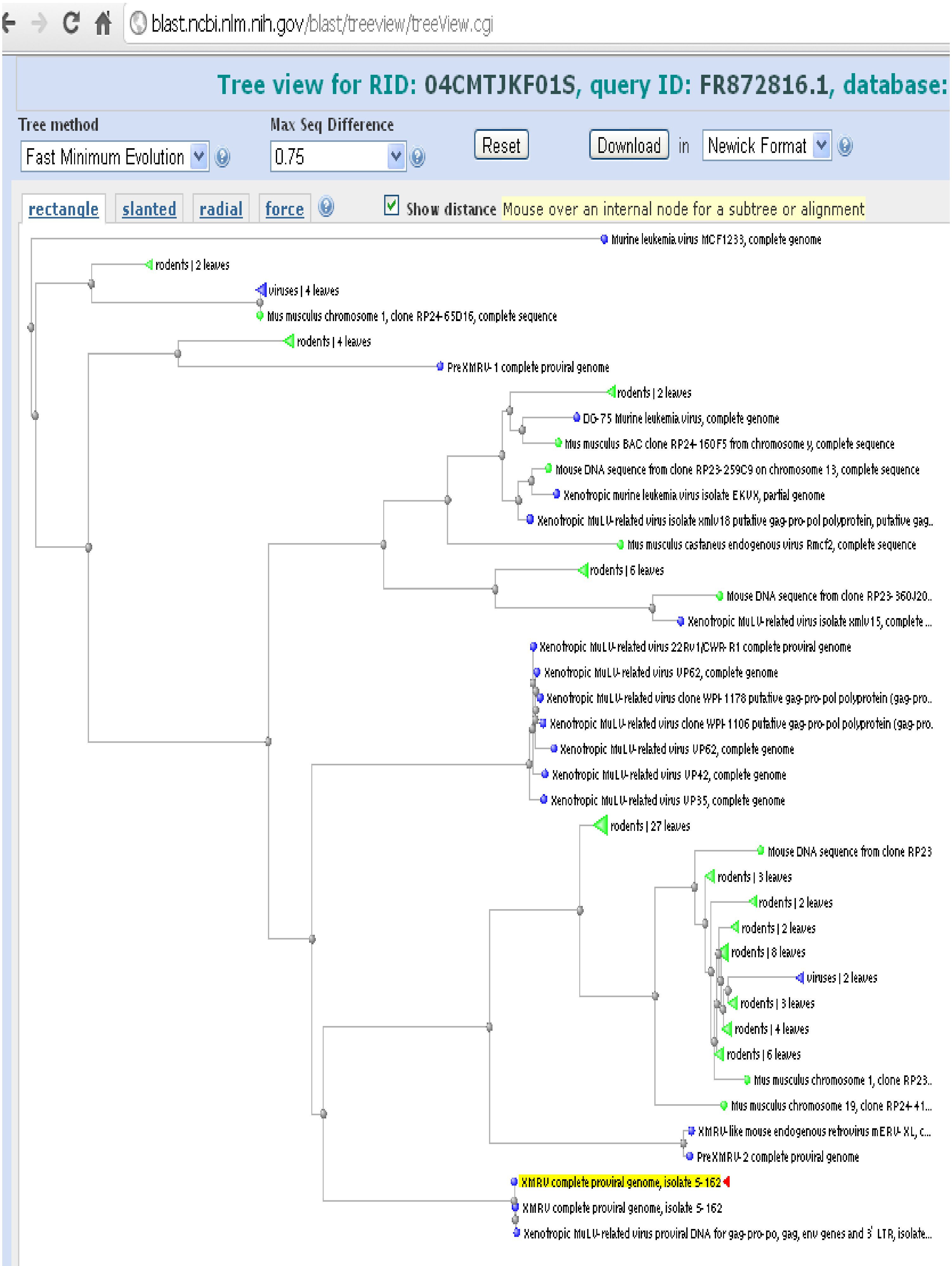

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Tree view for RID: 04CMTJKF01S, query ID: FR872816.1, database:
Tree method
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Max Seq Difference
0.75
Reset
Download
in
Newick Format
rectangle
slanted
radial
force
Show distance
Mouse over an internal node for a subtree or alignment
Murine leukemia virus MCF1233, complete genome
rodents | 2 leaves
viruses | 4 leaves
Mus musculus chromosome 1, clone RP24-65D16, complete sequence
rodents | 4 leaves
PreXMRV-1 complete proviral genome
rodents | 2 leaves
DG-75 Murine leukemia virus, complete genome
Mus musculus BAC clone RP24-160F5 from chromosome y, complete sequence
Mouse DNA sequence from clone RP23-259C9 on chromosome 13, complete sequence
Xenotropic murine leukemia virus isolate EKVX, partial genome
Xenotropic MuLV-related virus isolate xmlv18 putative gag-pro-pol polyprotein, putative gag..
Mus musculus castaneus endogenous virus Rmcf2, complete sequence
rodents | 6 leaves
Mouse DNA sequence from clone RP23-360J20..
Xenotropic MuLV-related virus isolate xmlv15, complete ...
Xenotropic MuLV-related virus 22Rv1/CWR-R1 complete proviral genome
Xenotropic MuLV-related virus VP62, complete genome
Xenotropic MuLV-related virus clone WPI-1178 putative gag-pro-pol polyprotein (gag-pro..
Xenotropic MuLV-related virus clone WPI-1106 putative gag-pro-pol polyprotein (gag-pro.
Xenotropic MuLV-related virus VP62, complete genome
Xenotropic MuLV-related virus VP42, complete genome
Xenotropic MuLV-related virus VP35, complete genome
rodents | 27 leaves
Mouse DNA sequence from clone RP23
rodents | 3 leaves
rodents | 2 leaves
rodents | 2 leaves
rodents | 8 leaves
viruses | 2 leaves
rodents | 3 leaves
rodents | 4 leaves
rodents | 6 leaves
Mus musculus chromosome 1, clone RP23..
Mus musculus chromosome 19, clone RP24-41...
XMRV-like mouse endogenous retrovirus mERV-XL, c...
PreXMRV-2 complete proviral genome
XMRV complete proviral genome, isolate S-162
XMRV complete proviral genome, isolate S-162
Xenotropic MuLV-related virus proviral DNA for gag-pro-po, gag, env genes and 3' LTR, isolate...