

Molecule: Mbovis sigK rskA Flank, 3304 bps DNA  
File Name: Mbovis sigK rskA+Flank.cm5, dated 17 Apr 2018  
Description:  
Printed: 1 to 3304 bps (Full)

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1  gcggctcttg  cggaacgat  ttatgcagcg  gcgagatggg  ctggcgcat  taggtttcga
   cgccgagacc  gcccttgcta  aatacgtcgc  cgctctaccc  gaccgcgtaa  atccaaagct

61  cgaggtgttt  gcacggatgt  gggagctgta  cctggcgtag  tcggaggcgg  gcttcgggtc
   gctccacaaa  cgtgcctaca  ccctcgacat  ggaccgcatg  agcctccgcc  cgaaggccag

121  gggctatctg  gacgtctacc  agtggacgtt  gatccgcgag  ggcccccggt  gaacatcgtc
   ccgatatagac  ctgcagatgg  tcacctgcaa  ctaggcgctc  ccggggggca  cttgtagcag

181  gtggtaacca  gcgtgtcggc  tttggctgtg  gccgtggtgc  attcgggtggc  gtttgcgatac
   caccattggt  cgcacagccg  aaaccgacac  cggcaccacg  taagccaccg  caaacgctag

241  ggccgcccga  tcggccggta  caacgtcgtc  gacgtggtat  ggggcttggg  tttcgtcgcc
   ccggcggcgt  agccggccat  gttgcagcag  ctgcaccata  ccccgaaacc  aaagcagcgg

301  gtcgccgtcg  ccgccgcgac  gctcggccac  ggcgaccggg  ttcgccgatg  gctgctacta
   cagcggcagc  ggcggcgctg  cgagccgggt  ccgctggggc  aagcggctac  cgacgatgat

361  gcgttggtgt  cgacctgggg  tctgcggctg  agctggcaca  tgtaccgcaa  gacagcgggt
   cgcaaccaca  gctggacccc  agacgccgac  tcgaccgtgt  acatggcgtt  ctgtcggcca
                                LL

421  cagggggagg  atccccgcta  cgccgacctg  ctgcgcggtg  ccacgcctgt  gcaggcattg
   gtccccctcc  taggggcgat  gcggctggac  gacgcgccac  ggtgcggaca  cgtccgtaac

481  cgcaaggtct  tcggattaca  gggcctcctg  acgttgttcg  tctcattccc  gctgcagctt
   gcgttccaga  agcctaattg  cccggaggac  tgcaacaagc  agagtaaggg  cgacgtcgaa

541  tccgcagtca  ccgggccgac  gccgaagccg  ttactggctg  ttggggggcgt  gggcttagcc
   aggcgtcagt  ggcccggtg  cggcttcggc  aatgaccgac  aacccccgca  cccgaatcgg

601  gtgtggctgg  tcggtatcac  cttcgaagcg  gtgggagatt  ggcaactgtg  ggtattcaaa
   cacaccgacc  agccatagtg  gaagcttcgc  caccctctaa  ccgttgacac  ccataagttt

661  tccgaccggg  ccaatcgcg  ggtcatcatg  gaccgcggcc  tgtgggcctg  gacgcgtcac
   aggcgtgggc  ggttagcgcc  ccagtagtac  ctggcgccgg  acaccggac  ctgcgcagtg

721  cccaactact  tcggcgatgc  ctgtgtctgg  tgggggttgt  ggttgatcac  gatcaacgac
   gggttgatga  agccgctacg  gacacagacc  accccaaca  ccaactagt  ctagtgtctg

781  tgggcgcgcg  tggccacgg  gggttcgccg  ctgctgatga  cctacctgct  ggtggacgtc
   accgcggcg  accggtgcca  cccaagcggc  gacgactact  ggatggacga  ccacctgcag

841  agcggagccc  ggctgactga  gagatacctg  aagggtcgcc  ccggtttcgc  cgaatatcaa
   tcgcctcggg  ccgactgact  ctctatggac  ttcccagcgg  ggccaaagcg  gcttatagtt

901  aggcgaacag  cctatttcgt  gccccggcca  ccgcgatcgg  cgcgtcgggt  atgaccgggt
   tccgcttgtc  ggataaagca  cggggccgg  ggcgctagcc  gcgcagccac  tactggccga

961  tgaccatctc  ggcgcgggt  ggcgataggc  taccatcga  tgaccggacc  gccacgggtg
   actggttagag  ccgcggccga  ccgctatccg  atgggtagct  actggcctgg  cggtgccgac
                                >>.....SigK.....>

1021  agcagcgacc  tggacgcct  gttgcgcgg  gtcgctggtc  acgaccaggc  cgcattcgcc
   tcgtcgctgg  acctgcggga  caacgcggcc  cagcgaccag  tgctggtccg  gcgtaagcgg
   >.....SigK.....>

1081  gaattctacg  accacaccaa  gtcgcgggtg  tatggactgg  tgatgcgggt  gctgcgtgat
   cttaagatgc  tgggtgtggt  cagcgcgcc  atacctgacc  actacgcca  cgacgacta
   >.....SigK.....>
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1141 accgggtaca gcgaagaaac caccacaggag atctatcttg aggtgtggcg gaacgcgtcg
    tggccgatgt cgcttctttg gtgggtcctc tagatagaac tccacaccgc cttgcgcagc
    >.....SigK.....>

1201 gagtttgact ccgccaagg ttccgcgttg gcctggcttt tgaccatggc ccaccggcgc
    ctcaaactga ggcggtttcc aaggcgcaac cggaccgaaa actggtaccg ggtggccgcg
    >.....SigK.....>

1261 gctgtcgacc gagtccgttg cgagcaagcc ggcaaccagc gggaagtgcg ctatggtgcg
    cgacagctgg ctcaaggcaac gctcgttcgg ccggttggtcg cccttcacgc gataccacgc
    >.....SigK.....>

1321 gccaacgtcg atcccgcgag tgacgtcgtc gccgacctgg cgatcgccgg tgatgagcgg
    cggttgcagc tagggcgctc actgcagcag cggctggacc gctagcggcc actactcgcc
    >.....SigK.....>

1381 cgccgggtga ccgagtgcct caaggcgttg accgacacgc agcggcagtg catcgaactg
    gcggcccact ggctcacgga gttccgcaac tggctgtgcg tcgccgtcac gtagcttgac
    >.....SigK.....>

1441 gcctactacg gcggggtgac gtatgtcgaa gtttcgcggc ggtagcggc caatctgtcg
    cggatgatgc cggccgactg catacagctt caaagcgcg ccaatcgccg gttagacagc
    >.....SigK.....>
    LR
    >>.....Deletion.....>

1501 accatcaaat cccgcgatgcg cgacgccctg cgcagcctgc gcaactgcct ggacgtgtca
    tggtagttta gggcgctacgc gctgcgggac gcgtcggacg cgttgacgga cctgcacagt
    >.....SigK.....>
    >.....Deletion.....>

1561 tgactgcgcc ggccgagcga agcgatgcgt tgggagagcg gcgctcatga ctgaacatac
    actgacgcgg ccggctcgct tcgctacgca accctctcgc cgcgagtact gacttgtatg
    >>> SigK
    >.....Deletion.....>
    >>...rskA.....>

1621 cgattttgag ctgctcgagc tggctacccc gtatgccctg aacgctgtgt ccgacgatga
    gctaaaactc gacgagctcg accgatgggg catacggggac ttgcgacaca ggctgctact
    >.....Deletion.....>
    >.....rskA.....>

1681 acgagccgac atcgaccgac ggggtggccgc cgcgccctcg ccggtagccg cggctttcaa
    tgctcggctg tagctggctg cccaccggcg gcgcgggagc ggccatcggc gccgaaagt
    >.....Deletion.....>
    >.....rskA.....>

1741 cgacgaagtt cgagccgtcc gcgagacgat ggccgtcgtc tcggcggcca ccaccgccga
    gctgcttcaa gctcggcagg cgctctgcta ccggcagcag agccgccggt ggtggcggct
    >.....Deletion.....>
    >.....rskA.....>

1801 gccgccagca catctgcgga cggccatcct ggatgcgacc aagcccagag ttaggcgcca
    cggcggctgt gtagacgcct gccggtagga cctacgctgg ttcgggctcc aatccgcggt
    >.....Deletion.....>>
    >.....rskA.....>
    RL

1861 atcacgctgg cgtacggcag cctttgcgtc cgcagcggcg atcgtgtgg ggctgggggc
    tagtgcgacc gcatgccgtc ggaaacgcag gcgtcggcgc tagcgacacc ccgacccccg
    >.....rskA.....>

1921 gttcgacctg ggggtgctga cccggccatc gccaccccc accgtggccg agcaagttct
    caagctggac cccacgact gggccggtag cgggtggggg tggcaccggc tcgttcaaga
    >.....rskA.....>

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1981  gacggcgccg gacgtacgga cggctctctcg cccactgggc gccgggacgg ccacggtggt
      ctgccgcggc ctgcatgcct gccagagagc gggtgacccg cggccctgcc ggtgccacca
      >.....rskA.....>

2041  gttctcccgc gaccgcaaca caggtctgct ggtgatgaac aatgtggcgc caccatcccg
      caagagggcg ctggcgttgt gtccagacga ccactacttg ttacaccgcg gtggtagggc
      >.....rskA.....>

2101  ggggaaccgtg tatcagatgt ggctgctggg aggggccaac gggccgaggt cggcggagac
      cccttggcac atagtctaca ccgacgaccc tccccggttt cccggtcca gccgcctctg
      >.....rskA.....>

2161  gatgggcacc gcggcggtga cgccctcgac gacggcgacg ctgaccgatc tcggagcctc
      ctaccctggt cgccgccact gcgggagctg ctgccgctgc gactggctag agcctcggag
      >.....rskA.....>

2221  gaccgcaactg gcattcaccg tcgaaccggg caccggatca ccacagccca ccggtaccat
      ctggcgtgac cgtaagtggc agcttggggc gtggcctagt ggtgtcgggt ggccatggta
      >.....rskA.....>

2281  cttggccgag ctgccgctcg ggtgagccga ggacgcacac cccggcccct caccgcagtc
      gaaccggctc gacggcgagc ccactcggct cctgcgtgtg gggccgggga gtggcgctcag
      >.....rskA.....>>

2341  tcggcgcgac aatgggtgcc agcatcgcca cgaacacgcc gggtaggact agggcgggcg
      agccgcgctg ttaccacggg tcgtagcgct gcttgtgcgg cccatggtag tcccgccgcg

2401  tgccggctag cgtcaggtaa ccatcggtgc aggcgatctt cggcgtagct gaccatcgcc
      acggccgatc gcagtcattt ggtagccacg tccgctagaa gccgcatcga ctggtagcgg

2461  tcagcgatcc ggcggatgtc gccgttatcg ggctatcccc cgcaggtagg cggcctgccc
      agtcgctagg ccgcctacag cggcaatagc ccgatagggg gcgtccatcc gccggacggg

2521  gaggtgctga ggcgagtcgt cgacgatgct caccaaccgt gcgctgacgg taaccggcgg
      ctccacgact cgcgtcagca gctgctacga gtggttggca cgcgactgcc attggccgcc

2581  attccaactg gtatccacca cacgggacaa ctcatctgcy gtcatgccag cgatgtattc
      taagggtgac cataggtggg gtgccctggt gagtagacgc cagtacggtc gctacataag

2641  cagggtcagt ttatgcaccg cgtggtagta ccccgacagc aggtcggcgg gtgcccgtac
      gtcccagtc aatacgtggc gcaccatcat ggggctgtcg tccagccgcc cacgggcatg

2701  ctctgccaca tcctcgggac ggtgtccata tccgggtgtc tgccgcggca gatctaacc
      gaagcgggtg aggagccctg ccacaggtag aggccacagc acggcgccgt ctagattggg

2761  aaagcgggtc acccaaccgt cgcgggtcca cacctcttcc acgccggcca catgggcgac
      ttctgccagg tgggttggca gcgcccagg gtggagaagg tgcggccggt gtaccgctg

2821  ctgtatatcc tgcacccggg cgctgtgcca gagcagccac gcaatgctgt tggcgtggg
      gacatatagg acgtgggccc gcgacacggt ctctgcggtg cgttacgaca accgcgaccc

2881  ggtcgggcgg tagcaggcga gttggtcggg gagggcgtcg gtgagttcgt cgacatgttc
      ccagcccgcc atcgtccgct caaccagcca ctccggcagc cactcaagca gctgtacaag
                                     RR

2941  gatcaaccgg gtgaacgcgt cgcggagcaa ctcttggggc gcggcgctcg tgcttgccat
      ctagttaggc cacttgcgca gcgcctcggt gagaacccgg cgccgcagcc acgaacggtg
      RR

3001  accagcgaca ttacggggca ggtggcagac cctcagctgc atcccggccg ccagtcggcc
      tggtcgctgt aatgccccgt ccaccgtctg ggagtcgacg tagggccggc ggtcagccgg

3061  cctacccggg actaggtaag ctggcggttc ctaggggcgc tccaaagatg accccaaaga
      ggatgggccc tgatccattc gaccgccaag gatccccgcg aggttttctac tggggtttct

3121  tgagtgggtat tgaagtgccg ataccgccac ggcaacggtc gctgacagtt aagttggatc
      actcaccata acttcacggc tatggcggtg ccgttgccag cgactgtcaa ttcaacctag

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3181 agtgacaagc ccgcattttg cgtagttgcc gccagagatc aattcggcac tgatgtttgc
    tcactgttcg ggcgtaaaac gcatcaacgg cggctctctag ttaagccgtg actacaaacg

3241 cgggtcccggg tcgggaccgc taattgctgc ggccaccgcc tggggcgagc tggccgaaga
    gccagggccc agccctggcg attaacgacg ccggtggcgg accccgctcg accggcttct

3301 attg
    taac
```