

chr17:30368704-30368854

* chr17:30,368,796 (-)

CATGATTCAAAGGAAGAAATTTTCCCTCATATATATCTACTGTTGATAAACTCTGGTTCAGTGAATCACTCCCTCTGATTTCTATCCATCCCTCTTCACTATTTCTGGGAGGATAGGTCACATCAGGGATACTTCTCCACAATCTCACTG
CATGATTCAAAGGAAGAAATTTTCCCTCATATATATCTACTGTTGATAAACTCTGGTTCAGGGAATCCCTCCCTCTGATTTCTATCCATCTGTTAAGTTTTTTAGTAACTAGACGGAAATGAGACCGCCCAAGGCAAGCGAGGGTC
TGGCGTATCGCCATCTGGAGGAGTTCCCTTCCCGCTGGCCCAACAACATCTCTTCCCTATTTCTGGGAGGATAGGTCACATCAGGATACTTCTCCACAATCTCACTG

chr17:9744887-9745037

Provirus

* chr17:9,744,973 (-)

TGTGCAATCTCCAGAAAGCCTGATAAATACACAGCAGATGTAGCCAGCCTTTAGAACTTGAAGTCTTTTAAAAACATTACTTTGTTTCATAGTAATCACTCCCTTTTAGTACTTTGTAATATTTTTCATGTTCTGTTTTTTTT
TGTGCAATCTCCAGAAAGCCTGATAAATACACAGCAGATGTAGCCAGCCTTTAGAACTTGAAGTCTTTTAAAAACATTACTTTGTTTCATAGTAATCACTCCCTTTTAGTACTTTGTAATATTTTTCATGTTCTGTTTTTTTT
GTGAGGTTGTTGACAGGAATTCAGCCATTTGGCGTATCCGCCATCTTGGAGGTTTCCCTTCCCGCTGGCCCAACAACCTTGTTCATAGTAATCACTCCCTTTTAGTACTTTGTAATATTTTTCATGTTCTGTTTTTTTT

chr19:9813589-9813739

* chr19:9,813,667 (-)

GTGAGCCATAAATTTAATAGAATCTAAAAATATTTAAGGTACATACCATTTTGAGTTCCTCATCTGTTACTATGCTATACAAACAGCCGTGTGGAGAAATTAACATTTCTGGTTCCTCAGTGCCTTTGGGACTCTTCACTT
GAAGCCATAAATTTAATAGAATCTAAAAATATTTAAGGTACATACCATTTTGAGTTCCTCATCTGTTACTTGTAAAGTTTTTTAGTAACTAGACGGAAATGAGACCGCCAAAGCAAGCGAGGGTCCAAAGCAGCCACT
GTGACAGGAATTCAGCCATTTGGCGTATCCGCCATCTTGGAGGTTTCCCTTCCCGCTGGCCCAACAACATCTGTTTCATAGTAATCACTCCCTTTTAGTACTTTGTAATATTTTTCATGTTCTGTTTTTTTT

chr20:14974909-14975059

* chr20:14,974,979 (+)

ACATCTTAAATAGGAATGTTGGTTAAGTGAATGACATAAATGGAAGTTTTCGCAAAATGAAAAATACAAAAACGGTTATCAGGTTTTGGTACATTTAGTACTTTTCAAGAACTGACATAAATAGTTTGGCGGTGAGATTAG
CTTAAATAGGAATGTTGGTTAAGTGAATGACATAAATGGAAGTTTTCGCAAAATGAAAAATGTTGGGCGCAGCCGGGAGGAACTCCTCAAGATGGCGGATACGCCAAATGGCTGAAGTTCTGTCAACC
TGTCTTGGACCTCGCTGCCTTGGCGTCTCATTTCCGCTAGTTACTAAAAAACTTAAACAATAAATACAAAAACGGTTATCAGGTTTTGGTACATTTAGTACTTTTCAAGAACTGACATAAATAGTTTGGCGGTGAG

chr20:12058377-12058527

* chr20:12,058,450 (+)

TAACAAGTAGGCTGTTAGTCTTGGAGATCCCTTATCAGTAATGAGTTTGTATTTTTTAACTGCTTCTAATTTTTTCTTCTTAAATTTGGCTTCAACGTTTGGATATGATGCTCTGGCCATCAATCTTGTGATTTATCTT
TAACAAGTAGGCTGTTAGTCTTGGAGATCCCTTATCAGTAATGAGTTTGTATTTTTTAACTGCTTCTGTTGGGCGCAGCCGGGAGGAACTCCTCAAGATGGCGGATACGCCAAATGGCTGAAGTTCTGTCAACC
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chr20:16677067-16677217

* chr20:16,677,142 (+)

GTTATATAGCAAAACAAAAAATGTTTATCTGCTTTAGTAAATGGGAAGAGAGTCTTCTAAACTAAATAGTTTCACAGTGAATTTAGAAAAATATAATACCAAAGTCAGAGAAACATCAGAAAAACGCAAGTTGGAAAAATACAT
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CTGTTTGGACCTCGCTGCCTTGGCGTCTCATTTCCGCTAGTTACTAAAAAACTTAAACAATAAATGTCACAGTGAATTTAGAAAAATATAATACCAAAGTCAGAGAAACATCAGAAAAAAGCAAGTTGGAAAAATACAC

chr21:9814285-9814435

* chr21:9,814,350 (+)

TGTTCCATATGCTTCTATAAATCTAAAACTCTCTATAAAGATGTTAAATTTAAAAAATACCTATCAGGTAATCTATAGGATTTGCTGTAATAATCAAGTGAATATAAATAAATAAATAAATAAATAAATAAATAAAT
TGTTCCATATGCTTCTATAAATCTAAAACTCTCTATAAAGATGTTAAATTTAAAAAATACCTATTTGGGCGCAGCCGGGAGGAACTCCTCAAGATGGCGGATACGCCAAATGGCTGAAGTTCTGTCAACC
TGGACCTCGCTGCCTTGGCGTCTCATTTCCGCTAGTTACTAAAAAACTTAAACAATAAATCAGGTAATCTATAGGATTTGCTG

chr21:7250000-7250150

* chr21:7,250,064 (-)

TGCTCTACTCTGGCTTTGCTGAAGTATCCTCCATCTCTGGATTTCAATCACTCTTACCAGGACCTCCCAAAACAGGGAGGTTACGTCTAGGAACACAGGGAGGAGGAGGATGCCAAGACTACTCTCTCTCTAGGACCT
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TTGGCGTATCCACATCTTGGAGGTTTCCCTTCCCACTGGCCCAACAACAGGACCTCCCAAAACAGGGAGGTTACGTCTAGGAACACAGGGAGGAGGAGGATGCCAAGACTACTCTCTCTCTAGGACCT

chr22:45482993-45483143

* chr22:45,483,070 (-)

CCAGTGGAGGGGAGGTTGGTTGAAGATACTGTTAAACACTTGAATTAACAAAGTGAATTTCCCTGGCAGGCTTATGTTAACTGATGAGAGGCAAGGATCCATGGGCTTCAAGAACTGACTTGGCCCTGAGAGAACAGGCCAC
CCAGTGGAGGGGAGGTTGGTTGAAGATACTGTTAAACACTTGAATTAACAAAGTGAATTTCCCTGGCAGGCTTATGTTAACTGATGAGAGGCAAGGATCCATGGGCTTCAAGAACTGACTTGGCCCTGAGAGAACAGGCCAC
TCCCTTCCCGCTGGCCCAACAACGCTTATATGTTAACTGATGAGAGGCAAGGATCCATGGGCTTCAAGAACTGACTTGGCCCTGAGAGAACAGGCCAC

chr22:57676984-57677134

* chr22:57,677,068 (-)

ATGATTCACCAAGGCTCTGGGAAGAAAGAACTGTGTACATCGAGGCATCGGTGATAGTGAAGAAGTTTCAAAAGATATAATGAGACGAGGAAAGGGAAGAGAGATTCCGGTCAAGCACTCCGTCGCCCTTAAGAAATGCTGT
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CCTTCCCGCTGGCCCAACAATAATGAGACGAGGAAAGGGAAGAGAGATTCCGGTCAAGCACTCCGTCGCCCTTAAG

chr26:27059664-27059814

* chr26:27,059,757 (+)

GGAGCTGAATAAAGTACTTGGACTCCATGCATGTTTTGCAACTTGCTACGATTTATATGATTTTTTAAATAATTTTTTAAATAGTTTTTCAAGAAATATAATCCAAATTTGAAATACAACCAAAATGTAATTTGTAAT
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GAGGGTCTGCAATAAAGCTGTTCTGGACCTCGCTGCCTTGGCGTCTCATTTCCGCTAGTTACTAAAAAACTTAAACAATAATGTTTCAAGAAATATAATCCAAATTTGAAATACAACCAAAATGTAATTTGTAAT

chr26:28072398-28072548

* chr26:28,072,465 (-)

GGGAGAGTTTTTAAACACATGGATTTCCAGGCTTCCATCTAGTGAACGAGAATCTTAGGGAATAGGCTTAAAGTTGGGATTTGATTTTTTCAAACTCCCTGAGTGGGAATTTACTGCTGGTGGTGGAGGAGTACAGGCTGGATT
GTTTTAAACACATGGATTTCCAGGCTTCCATCTAGTGAACGAGAATCTTAGGGAATAGTTAAGTTTTTTAGTAACTAGACGGAAATGAGACCGCCAAAGCAAGCGAGGTTCCAAAGAACAGATTTTATTGACGGC
CTTACAGCATTGGCGTATCCGCCATCTTGGAGGTTTCCCTTCCCGCTGGCCCAACAACATGAGGCTTAAAGTTGGGATTTGATTTTTTCAAACTCCCTGAGTGGGAATTTACTGCTGGTGGTGGAGGAGTACAG

chr26:35982371-35982521

Provirus

* chr26:35,982,438 (+)

CCTGGTGGCTCAGTTAAGCATCTGACTCTTGGTTTCAGCTCACATCATGATCTCAGGGTCTGAGACTGAGCCCAATGGGAGCTCCATGCTATTGGGAGTCTGCTAAAAGTTTCTCCCTCTCCCTCTGCTGCTCATTC
CCTGGTGGCTCAGTTAAGCATCTGACTCTTGGTTTCAGCTCACATCATGATCTCAGGGTCTGAGTTGTTGGGCGCAGCCGGGAGGAACTCCTCAAGATGGCGGATACGCCAAATGGCTGAAGTTCTGTCAACCCTCCAC
TCTTGGACCTCGCTGCCTTGGCGTCTCATTTCCGCTAGTTACTAAAAAACTTAAACAATAAATGAGGCTTAAAGTTGGGATTTGATTTTTTCAAACTCCCTGAGTGGGAATTTACTGCTGGTGGTGGAGGAGTACAG

chr27:44066867-44067018

* chr27:44,066,943 (-)

ATACAAGTACTCCAGCAGTGCATGGCAAGGAGTAAATATTCAATAAACATAGTTTTTTTTAAAGTTTGAATCATAGCTCTTGAATCTGGGCTTCTCTGAGCTTTCCCTTGGATGCATTTGTTTTTGTGTTTTTACAA
GGTGACAGAACTTACCCATTTGGCGTATCCGCCATCTTGGAGGTTTCCCTTCCCGCTGGCCCAACAATAATGAGCTTGTAAATCTGGGCTTCTCTGCTGCTTTCCCTTGTGTTTTTTTT

chr28:11031827-11031977

* chr28:11,031,931 (+)

GGGGTGAATCCCTGGGCTGCTTCTCAGCTCAAAGTGGTCTCTGTGTACAGTGTCTTAACTATGGCTCAGCCCAAACTTGGGCTCTGAAACAGTGTGAGGTTAGGCTTGGTGTCTTCAAGTTTGGGCTTGGGTGA
TCCCTGGGCTGCTTCTCAGCTCAAAGTGGTCTCTGTGTACAGTGTCTTAACTATGGCTCAGCCCAAACTTGGGCTCTGAAACAGTGTGTTGGGCGCAGCCGGGAGGAACTCCTCAAGATGGCGGATACGCC
GCCAGGGTGGCTGCAATAAAGCTGTTCTTGGACCTCGCTGCCTTGGCGTCTCATTTCCGCTAGTTACTAAAAAACTTAAACAATAAATGAGGCTTAAAGTTGGGATTTAGGCTTGGTGTCTTCAAGTTTGGTGTGGGTGA

