

Supplementary Materials:

The following are SUDV GP and VP40 sequences used in SUDV VLPs:

VP40 sequence:

ATGAGGAGGGTTACCGTTCCTACTGCTCCACCTGCTTACGCTGATATCGGATACCCTATGAGCATGCTG
CCAATCAAGTCCAGCCGCGCTGTTTCCGGTATCCAACAGAAGCAGGAAGTCCTCCCTGGAATGGATAC
CCCATCCAACTCCATGAGACCTGTGGCTGATGACAACATCGACCACACCTCCCACACACCTAACGGA
GTTGCTTCCGCTTTCATCCTGGAAGCTACCGTTAACGTGATCAGCGGTCCAAAGGTCCTCATGAAGCA
GATCCCTATCTGGCTGCCACTCGGAATCGCCGATCAGAAGACCTACAGCTTCGACAGCACCACAGCTG
CCATTATGTTGGCCAGCTACACCATCACCCACTTCGGAAAGGCCAACAACCCATTGGTTCGTGTTAAC
CGTCTGGGTCAGGGTATTCCAGACCACCCATTGCGTTTGCTCCGCATGGGAAACCAGGCCTTTTTGCAG
GAATTCGTGCTGCCACCAGTGCAATTGCCACAGTACTTCACTTTCGACCTGACTGCTCTCAAGCTCGTG
ACACAGCCTCTCCCTGCCGCCACATGGACAGATGAAACTCCTTCAAACCTGAGTGGTGCCCTGCGTCC
TGGTCTGTCAATTCACCCTAAGCTGCGCCCTGTCTGTGCCCCGCAAAACTGGCAAAAAAGGTCATG
TCTCTGATCTGACTGCCCCCGACAAGATTCAAACAATCGTGAATCTGATGCAAGACTTCAAGATCGTG
CCCATCGACCCCGCAAGTCTATCATCGGCATCGAGGTGCCCGAGTTGCTGGTCCATAAGCTCACAGG
CAAAAAGATGTCACAAAAGAATGGCCAACCCATCATCCCCGTCTCTGCCCCAAGTACATCGGCCTC
GACCCCATTTCTCCCGCGACCTCACTATGGTCATTACACCCGACTATGACGACTGTCACAGTCCCGCC
TCTTGCTTTACCTCTCAGAGAAGTAA

GP sequence:

ATGGGTGGTTTGAGCTTGCTCCAACCTCCCAAGAGACAAGTTCGCAAGAGCTCCTTCTTCGTGTGGGTC
ATCATCCTGTTCCAAAAGGCTTTCTCCATGCCTCTGGGTGTCTGACCAACAGCACCCCTGGAGGTTACC
GAGATCGACCAACTGGTCTGTAAGGACCACTTGGCTAGTACCGATCAGTTGAAGTCCGTGGGTTTGAA
CCTCGAGGGTAGTGGTGTGTCTACCGACATCCCTTCCGCTACCAAGAGATGGGGATTACAGTCCGGTG
TTCTCTAAGGTTGTTAGCTACGAGGCTGGAGAATGGGCCGAAAACCTGCTACAACCTTGGAGATCAAG
AAGCCTGACGGTAGCGAGTGCTTGCCACCCACCAGACGGTGTTCTGTTGATTTCGAAGATGCAGGTA
CGTTCACAAGGCTCAAGGAACCGGTCCATGTCCAGGTGACTACGCTTTCATAAGGACGGAGCTTTCT
TCCTCTACGACAGGTTGGCTTCCACCGTTATCTACAGGGGTGTGAACCTTCGCTGAGGGAGTGATCGCTT
TCCTCATCCTCGCTAAGCCAAAGGAGACATTCCTCCAGTCCCCACCAATCAGGGAAGCTGTGAACTAC
ACCGAAAACACCTCCAGCTACTACGCTACCTCCTACCTGGAATATGAGATCGAGAACCTTCGGCGCCCA
GCACTCCACCACATTGTTCAAGATCGACAACAACACCTTCGTCCGTCTGGACCGCCACATAACCCCTC
AATTCCTCTTCCAGCTGAACGACACCATCCACTTGCACCAGCAACTCTCCAACACCACCGGACGTTTG
ATCTGGACCCTGGACGCTAACATCAACGCTGACATCGGTGAGTGGGCTTTCTGGGAAAACAAGAAGA
ACCTCTCCGAGCAGCTGCGTGGAGAGGAACTCAGCTTTGAGGCTCTGTCTTTGAACGAGACCGAAGAC
GATGATGCTGCTTCTAGCCGATCACCAAGGGACGTATCAGCGATAGGGCTACAAGGAAGTACAGCG
ACCTGGTTCCATAAGAACAGCCCAGGTATGGTGCCACTGCATATCCAGAGGGAGAAAACAACCCCTCCC
TTCTCAAAACAGCACAGAGGGTCTGCTGTGTGGTGTGAATACCCAAGAAACCATCACCGAGACAGCC
GCCACAATCATCGGAACTAACGGAAACCACATGCAGATCTCAACAATTGGCATCCGTCCTAGTTCATC
TCAGATCCCTAGTTCCTCACCTACAACCTGCCCCCTCACCTGAGGCTCAGACACCCACAACACACAT
CAGGTCCCTCTGTATGGCCACAGAGGAACCCACTACTCCCCCTGGATCATCTCCCGGCCAACTACT
GAAGCCCCTACTCTCAACAACCCGAAAATATCACTACAGCCGTGAAGACTGTCTGCCCCAAGAAT
CTACTTCAAACGGCCTGATCACTTCAACAGTCACTGGCATCCTCGGCAGTCTCGGCCTCCGTAAGCGTT
CACGCCGCCAAACTAACACAAAGGCCACTGGCAAATGTAACCCCAACCTGCACTACTGGACTGCCCA
AGAACAACACAACGCCCGCCGGCATTGCCTGGATTCCCTATTTGGCCCCGGTGCCGAAGGCATTTACA

CTGAAGGCCTGATGCACAATCAGAATGCCCTCGTCTGTGGACTCCGCCAGCTCGCCAATGAAACTACT
 CAGGCCCTGCAGCTCTTTCTGCGCGCCACAACCTGAACTGCGCACTTACACAATTCTCAATCGCAAAGC
 CATTGATTTTCTGCTGCGCCGCTGGGGCGGCACATGTCGCATTCTGGGCCCGATTGCTGCATTGAACC
 CCACGATTGGACAAAAACATCACTGATAAAATCAACCAGATCATCCACGACTTCATCGACAATCCC
 CTGCCTAACCAGGACAACGATGATAATTGGTGGACTGGCTGGCGTCAGTGGATCCCTGCCGGCATCGG
 CATCACTGGAATCATTATCGCCATCATTGCCCTGCTGTGTCTGCAAACCTGCTGTGCTAA

Figure S1. Diagram of the plasmids encoding the pFastBacDual-GP-GP (A) and pFastBacDual-VP40-VP40.

