

SEQUENCE LISTING

<110> BIOVERATIV THERAPEUTICS INC.

<120> MODIFIED BACULOVIRUS SYSTEM FOR IMPROVED PRODUCTION OF
CLOSED-ENDED DNA (ceDNA)

<130> SA9-475PC

<150> US 63/069,115

<151> 2020-08-23

<160> 23

<170> PatentIn version 3.5

<210> 1

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<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetic polynucleotide sequence.

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ccaccggaag tgacgtcaca ggaaatgacg tcacaggaaa tgacgtaatt gtccgccatc 180

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<212> DNA

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<223> Synthetic polynucleotide sequence.

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 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic polynucleotide sequence.

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 <220>
 <223> Synthetic polynucleotide sequence.

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 <212> DNA
 <213> Artificial Sequence

 <220>
 <223> Synthetic polynucleotide sequence.

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 <212> DNA
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 <223> Synthetic polynucleotide sequence.

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<213> Artificial Sequence

<220>
<223> Synthetic polynucleotide sequence.

<400> 9
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<210> 10
<211> 20
<212> DNA
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<220>
<223> Synthetic polynucleotide sequence.

<400> 10
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<223> Synthetic polynucleotide sequence.

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<220>
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 <212> DNA
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<220>
 <223> HBoV1 WT ITR 3'

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 <212> DNA
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<220>
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gaaatcaaca tcctggactt atcctctggg cctctcccca cttc gatgg cccaggtta	180
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<210> 15

<211> 4824

<212> DNA

<213> Artificial Sequence

<220>

<223> Nucleotide sequence encoding B-domain deleted (BDD)
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amino acid XTEN

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4824

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<213> Artificial Sequence

<220>
<223> A1MB2 ENHANCER

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<213> Artificial Sequence

<220>
<223> mTTR promoter

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<210> 18
<211> 1489
<212> DNA
<213> Artificial Sequence

<220>

<223> CHIMERIC INTRON

<400> 18

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<210> 19
<211> 595
<212> DNA
<213> Artificial Sequence

<220>
<223> WPRE

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<210> 20
<211> 211
<212> DNA
<213> Artificial Sequence

<220>
<223> bGHpA

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<210> 21
<211> 4317
<212> DNA
<213> Artificial Sequence

<220>

<223> Nucleotide sequence of coFVIII-6

<400> 21

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<210> 22

<211> 4335

<212> DNA

<213> Artificial Sequence

<220>

<223> Nucleotide sequence encoding

B-domain deleted (BDD) codon-optimized human Factor VIII
(BDDcoFVIII)

(no XTEN)

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