**HJP-176-IVS-Syn21-CreA-gp41-1N-WPREw**

 1 TAAGAAACCA TTATTATCAT GACATTAACC TATAAAAATA GGCGTATCAC

 51 GAGGCCCTTT CGTCTTCAAG AATTCGTTTA TCACAAGTTT GTACAAAAAA

 101 GCTGAACGAG AAACGTAAAA TGATATAAAT ATCAATATAT TAAATTAGAT

 151 TTTGCATAAA AAACAGACTA CATAATACTG TAAAACACAA CATATCCAGT

 201 CACTATGGCG GCCGCATTAG GCACCCCAGG CTTTACACTT TATGCTTCCG

 251 GCTCGTATAA TGTGTGGATT TTGAGTTAGG ATCCGTCGAG ATTTTCAGGA

 301 GCTAAGGAAG CTAAAATGGA GAAAAAAATC ACTGGATATA CCACCGTTGA

 351 TATATCCCAA TGGCATCGTA AAGAACATTT TGAGGCATTT CAGTCAGTTG

 401 CTCAATGTAC CTATAACCAG ACCGTTCAGC TGGATATTAC GGCCTTTTTA

 451 AAGACCGTAA AGAAAAATAA GCACAAGTTT TATCCGGCCT TTATTCACAT

 501 TCTTGCCCGC CTGATGAATG CTCATCCGGA ATTCCGTATG GCAATGAAAG

 551 ACGGTGAGCT GGTGATATGG GATAGTGTTC ACCCTTGTTA CACCGTTTTC

 601 CATGAGCAAA CTGAAACGTT TTCATCGCTC TGGAGTGAAT ACCACGACGA

 651 TTTCCGGCAG TTTCTACACA TATATTCGCA AGATGTGGCG TGTTACGGTG

 701 AAAACCTGGC CTATTTCCCT AAAGGGTTTA TTGAGAATAT GTTTTTCGTC

 751 TCAGCCAATC CCTGGGTGAG TTTCACCAGT TTTGATTTAA ACGTGGCCAA

 801 TATGGACAAC TTCTTCGCCC CCGTTTTCAC CATGGGCAAA TATTATACGC

 851 AAGGCGACAA GGTGCTGATG CCGCTGGCGA TTCAGGTTCA TCATGCCGTT

 901 TGTGATGGCT TCCATGTCGG CAGAATGCTT AATGAATTAC AACAGTACTG

 951 CGATGAGTGG CAGGGCGGGG CGTAAACGCG TGGATCCGGC TTACTAAAAG

 1001 CCAGATAACA GTATGCGTAT TTGCGCGCTG ATTTTTGCGG TATAAGAATA

 1051 TATACTGATA TGTATACCCG AAGTATGTCA AAAAGAGGTA TGCTATGAAG

 1101 CAGCGTATTA CAGTGACAGT TGACAGCGAC AGCTATCAGT TGCTCAAGGC

 1151 ATATATGATG TCAATATCTC CGGTCTGGTA AGCACAACCA TGCAGAATGA

 1201 AGCCCGTCGT CTGCGTGCCG AACGCTGGAA AGCGGAAAAT CAGGAAGGGA

 1251 TGGCTGAGGT CGCCCGGTTT ATTGAAATGA ACGGCTCTTT TGCTGACGAG

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 1451 AGTCTCCCGT GAACTTTACC CGGTGGTGCA TATCGGGGAT GAAAGCTGGC

 1501 GCATGATGAC CACCGATATG GCCAGTGTGC CGGTCTCCGT TATCGGGGAA

 1551 GAAGTGGCTG ATCTCAGCCA CCGCGAAAAT GACATCAAAA ACGCCATTAA

 1601 CCTGATGTTC TGGGGAATAT AAATGTCAGG CTCCCTTATA CACAGCCAGT

 1651 CTGCAGGTCG ACCATAGTGA CTGGATATGT TGTGTTTTAC AGTATTATGT

 1701 AGTCTGTTTT TTATGCAAAA TCTAATTTAA TATATTGATA TTTATATCAT

 1751 TTTACGTTTC TCGTTCAGCT TTCTTGTACA AAGTGGTGAT AAACGGCCGG

 1801 CCAGATCTGG TACCGCTAGA AAAAGGTAGG TTCAACCACT GATGCCTAGG

 1851 CACACCGAAA CGACTAACCC TAATTCTTAT CCTTTACTTC AGGGCTAGCA

 1901 ACTTAAAAAA AAAAATCAAA ATGAGTAACT TGCTCACGGT ACACCAAAAT

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 2001 GATGGACATG TTCCGTGACA GGCAGGCCTT TAGCGAGCAC ACCTGGAAGA

 2051 TGCTGCTCTC GGTGTGCAGG TCCTGGGCCG CTTGGTGCAA GCTGAACAAC

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 2301 CAACATCCAG GTGGGCGATC TGGTGCTGAG CAACACCGGC TACAACGAGG

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 2451 GACCGGCGAG ATGAACATCA GCGGCGGCCT GAAGGAGGGC ATGTGCCTGT

 2501 ACGTGAAGGA GTAAACCGGT GTTTAAACAA TCAACCTCTG GATTACAAAA

 2551 TTTGTGAAAG ATTGACTGGT ATTCTTAACT ATGTTGCTCC TTTTACGCTA

 2601 TGTGGATACG CTGCTTTAAT GCCTTTGTAT CATGCTATTG CTTCCCGTAT

 2651 GGCTTTCATT TTCTCCTCCT TGTATAAATC CTGGTTGCTG TCTCTTTATG

 2701 AGGAGTTGTG GCCCGTTGTC AGGCAACGTG GCGTGGTGTG CACTGTGTTT

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 3601 TCAGCGCCCT GCACCATTAT GTTCCGGAGG CGCGCCCTAG TTCCAGTGAA

 3651 ATCCAAGCAT TTTCTAAATT AAATGTATTC TTATTATTAT AGTTGTTATT

 3701 TTTGATATAT ATAAACAACA CTATTATGCC CACCATTTTT TTGAGATGCA

 3751 TCTACACAAG GAACAAACAC TGGATGTCAC TTTCAGTTCA AATTGTAACG

 3801 CTAATCACTC CGAACAGGTC ACAAAAAATT ACCTTAAAAA GTCATAATAT

 3851 TAAATTAGAA TAAATATAGC TGTGAGGGAA ATATATACAA ATATATTGGA

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 3951 AATGAACCAC TCGGAACCAT TTGAGCGAAC CGAATCGCGC GGAACTAACG

 4001 ACAGTCGCTC CAAGGTCGTC GAACAAAAGG TGAATGTGTT GCGGAGAGCG

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 4201 GTGTAAGTCT TTTGGTTAGA AGACAAATCC AAAGTCTACT TGTGGGGATG

 4251 TTCGAAGGGG AAATACTTGT ATTCTATAGG TCATATCTTG TTTTTATTGG

 4301 CACAAATATA ATTACATTAG CTTTTTGAGG GGGCAATAAA CAGTAAACAC

 4351 GATGGTAATA ATGGTAAAAA AAAAAAACAA GCAGTTATTT CGGATATATG

 4401 TCGGCTACTC CTTGCGTCGG GCCCGAAGTC TTAGAGCCAG ATATGCGAGC

 4451 ACCCGGAAGC TCACGATGAG AATGGCCAGA CCCACGTAGT CCAGCGGCAG

 4501 ATCGGCGGCG GAGAAGTTAA GCGTCTCCAG GATGACCTTG CCCGAACTGG

 4551 GGCACGTGGT GTTCGACGAT GTGCAGCTAA TTTCGCCCGG CTCCACGTCC

 4601 GCCCATTGGT TAATCAGCAG ACCCTCGTTG GCGTAACGGA ACCATGAGAG

 4651 GTACGACAAC CATTTGAGGT ATACTGGCAC CGAGCCCGAG TTCAAGAAGA

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 5001 GCAGCTCTGA GGTGAACACC TAAATCGAAT CGATTCATTA GAAAGTTAGT

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 5201 GCCAATCAAG ATGGCAACCA TCTGCAAATT AAAATGTTAC TCGCATCTCA

 5251 TTAATATTCG CGAGTTAAAT GAAATTTATT TATCTTCTGC AAAACTATAA

 5301 ACTATACATC TCATTGAAAA AAACTAAGAA GGGTGTGGAA TCAGGCAATT

 5351 CTATCTAAAA TCTAGCGAAT TTGTTTCCAA GAATTGTAAG CGTTATATCA

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 5601 GGGCTACTTT GCTAATGGCA AAATTGTCGC ATATCTTGGC GATCCGATCA

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 7251 TAATAGCTCC TGATCCTCTT GGCCCATTGC CGGGATTTTT CACACTTTCC

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 8851 AATCTAAAGT ATATATGAGT AAACTTGGTC TGACAGTTAC CAATGCTTAA

 8901 TCAGTGAGGC ACCTATCTCA GCGATCTGTC TATTTCGTTC ATCCATAGTT

 8951 GCCTGACTCC CCGTCGTGTA GATAACTACG ATACGGGAGG GCTTACCATC

 9001 TGGCCCCAGT GCTGCAATGA TACCGCGAGA CCCACGCTCA CCGGCTCCAG

 9051 ATTTATCAGC AATAAACCAG CCAGCCGGAA GGGCCGAGCG CAGAAGTGGT

 9101 CCTGCAACTT TATCCGCCTC CATCCAGTCT ATTAATTGTT GCCGGGAAGC

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 9751 CTTCCTTTTT CAATATTATT GAAGCATTTA TCAGGGTTAT TGTCTCATGA

 9801 GCGGATACAT ATTTGAATGT ATTTAGAAAA ATAAACAAAT AGGGGTTCCG

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**HJP-180-IVS-Syn21-gp41-1C-CreB-NrdJ-1N-WPREw**

 1 CTGAGTCTAA GAAACCATTA TTATCATGAC ATTAACCTAT AAAAATAGGC

 51 GTATCACGAG GCCCTTTCGT CTTCAAGAAT TCGTTTATCA CAAGTTTGTA

 101 CAAAAAAGCT GAACGAGAAA CGTAAAATGA TATAAATATC AATATATTAA

 151 ATTAGATTTT GCATAAAAAA CAGACTACAT AATACTGTAA AACACAACAT

 201 ATCCAGTCAC TATGGCGGCC GCATTAGGCA CCCCAGGCTT TACACTTTAT

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 351 CCGTTGATAT ATCCCAATGG CATCGTAAAG AACATTTTGA GGCATTTCAG

 401 TCAGTTGCTC AATGTACCTA TAACCAGACC GTTCAGCTGG ATATTACGGC

 451 CTTTTTAAAG ACCGTAAAGA AAAATAAGCA CAAGTTTTAT CCGGCCTTTA

 501 TTCACATTCT TGCCCGCCTG ATGAATGCTC ATCCGGAATT CCGTATGGCA

 551 ATGAAAGACG GTGAGCTGGT GATATGGGAT AGTGTTCACC CTTGTTACAC

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 2301 TCGGACGCAC GAAAACCCTG GTCAGCACTG CTGGCGTGGA GAAAGCACTT

 2351 TCCCTGGGTG TGACGAAATT GGTCGAGCGA TGGATCAGTG TGAGTGGCGT

 2401 CGCCGATGAC CCCAACAATT ATCTGTTCTG CAGGGTGCGC AAAAATGGAG

 2451 TGGCAGCCCC CTGCCTGGTG GGCAGCAGCG AGATCATCAC CCGCAACTAC

 2501 GGCAAGACCA CCATCAAGGA GGTGGTGGAG ATCTTCGATA ACGATAAGAA

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 3951 ATTATAGTTG TTATTTTTGA TATATATAAA CAACACTATT ATGCCCACCA

 4001 TTTTTTTGAG ATGCATCTAC ACAAGGAACA AACACTGGAT GTCACTTTCA

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 8401 TGCTGAAGCC AGTTACCTTC GGAAAAAGAG TTGGTAGCTC TTGATCCGGC

 8451 AAACAAACCA CCGCTGGTAG CGGTGGTTTT TTTGTTTGCA AGCAGCAGAT

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 8701 AATGCTTAAT CAGTGAGGCA CCTATCTCAG CGATCTGTCT ATTTCGTTCA

 8751 TCCATAGTTG CCTGACTCCC CGTCGTGTAG ATAACTACGA TACGGGAGGG

 8801 CTTACCATCT GGCCCCAGTG CTGCAATGAT ACCGCGAGAC CCACGCTCAC

 8851 CGGCTCCAGA TTTATCAGCA ATAAACCAGC CAGCCGGAAG GGCCGAGCGC

 8901 AGAAGTGGTC CTGCAACTTT ATCCGCCTCC ATCCAGTCTA TTAATTGTTG

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 9001 TTGCCATTGC TACAGGCATC GTGGTGTCAC GCTCGTCGTT TGGTATGGCT

 9051 TCATTCAGCT CCGGTTCCCA ACGATCAAGG CGAGTTACAT GATCCCCCAT

 9101 GTTGTGCAAA AAAGCGGTTA GCTCCTTCGG TCCTCCGATC GTTGTCAGAA

 9151 GTAAGTTGGC CGCAGTGTTA TCACTCATGG TTATGGCAGC ACTGCATAAT

 9201 TCTCTTACTG TCATGCCATC CGTAAGATGC TTTTCTGTGA CTGGTGAGTA

 9251 CTCAACCAAG TCATTCTGAG AATAGTGTAT GCGGCGACCG AGTTGCTCTT

 9301 GCCCGGCGTC AATACGGGAT AATACCGCGC CACATAGCAG AACTTTAAAA

 9351 GTGCTCATCA TTGGAAAACG TTCTTCGGGG CGAAAACTCT CAAGGATCTT

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 9451 CTTCAGCATC TTTTACTTTC ACCAGCGTTT CTGGGTGAGC AAAAACAGGA

 9501 AGGCAAAATG CCGCAAAAAA GGGAATAAGG GCGACACGGA AATGTTGAAT

 9551 ACTCATACTC TTCCTTTTTC AATATTATTG AAGCATTTAT CAGGGTTATT

 9601 GTCTCATGAG CGGATACATA TTTGAATGTA TTTAGAAAAA TAAACAAATA

 9651 GGGGTTCCGC GCACATTTCC CCGAAAAGTG CCACCTGAGT

**HJP-178-IVS-Syn21-CreAB-NrdJ-1N-WPREw**

 1 TAAGAAACCA TTATTATCAT GACATTAACC TATAAAAATA GGCGTATCAC

 51 GAGGCCCTTT CGTCTTCAAG AATTCGTTTA TCACAAGTTT GTACAAAAAA

 101 GCTGAACGAG AAACGTAAAA TGATATAAAT ATCAATATAT TAAATTAGAT

 151 TTTGCATAAA AAACAGACTA CATAATACTG TAAAACACAA CATATCCAGT

 201 CACTATGGCG GCCGCATTAG GCACCCCAGG CTTTACACTT TATGCTTCCG

 251 GCTCGTATAA TGTGTGGATT TTGAGTTAGG ATCCGTCGAG ATTTTCAGGA

 301 GCTAAGGAAG CTAAAATGGA GAAAAAAATC ACTGGATATA CCACCGTTGA

 351 TATATCCCAA TGGCATCGTA AAGAACATTT TGAGGCATTT CAGTCAGTTG

 401 CTCAATGTAC CTATAACCAG ACCGTTCAGC TGGATATTAC GGCCTTTTTA

 451 AAGACCGTAA AGAAAAATAA GCACAAGTTT TATCCGGCCT TTATTCACAT

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**HJP-177-IVS-Syn21-gp41-1C-CreBC-WPREw**

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**HJP-195-IVS-Syn21-gp41-1C-CreB-NrdJ-1N-WPREUw**

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**HJP-208-IVS-Syn21-CreAB-NrdJ-1N-WPREUw**

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 10201 AATAAACAAA TAGGGGTTCC GCGCACATTT CCCCGAAAAG TGCCACCTGA

 10251 GTC

**HJP-225-actin5C-Flox-IVS-Syn21myr-tdTomato-p10w**

 1 TAAGAAACCA TTATTATCAT GACATTAACC TATAAAAATA GGCGTATCAC

 51 GAGGCCCTTT CGTCTTCAAG AATTCGTTTA TCACAAGTTT GTACAAAAAA

 101 GCAGGCTCCG CGGCCGCAAT TCTATATTCT AAAAACACAA ATGATACTTC

 151 TAAAAAAAAA TCATGAATGG CATCAACTCT GAATCAAATC TTTGCAGATG

 201 CACCTACTTC TCATTTCCAC TGTCACATCA TTTTTCCAGA TCTCGCTGCC

 251 TGTTATGTGG CCCACAAACC AAGACACGTT TTATGGCCAT TAAAGCTGGC

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 401 AAGGAGAACG AGCTGATCTA GTATCTCTCC ACAATCCAAT GCCAACTGAC

 451 CAACTGGCCA TATTCGGAGC AATTTGAAGC CAATTTCCAT CGCCTGGCGA

 501 TCGCTCCATT CTTGGCTATA TGTTTTTCAC CGTTACCCGG GGCCATTTTC

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**HJP-223-actin5C^Syn21Gal80^IVS-Syn21myr-tdTomato-p10w**

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 8201 CCCCGCCAGC CTAGCCGGGT CCTCAA

**HJP-473-DNE>FLP-T2A-CreAB-NrdJ-1N**

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 151 AGGCGGCGCA ATACGTTTAC GATCCCACCC AAAACTCCCC AAATCGGTCC

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**HJP-472-actin5C-FloxSyn21Gal80-10XUAS-EGFP-Kir2.1**

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