

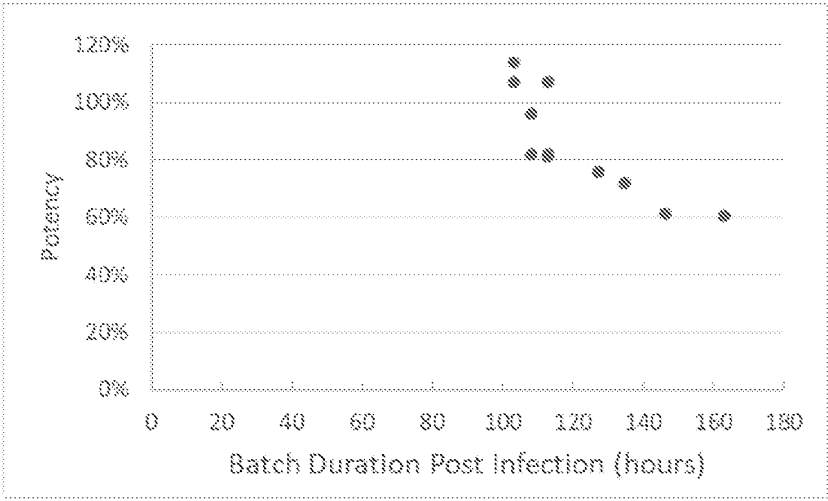


FIG. 1

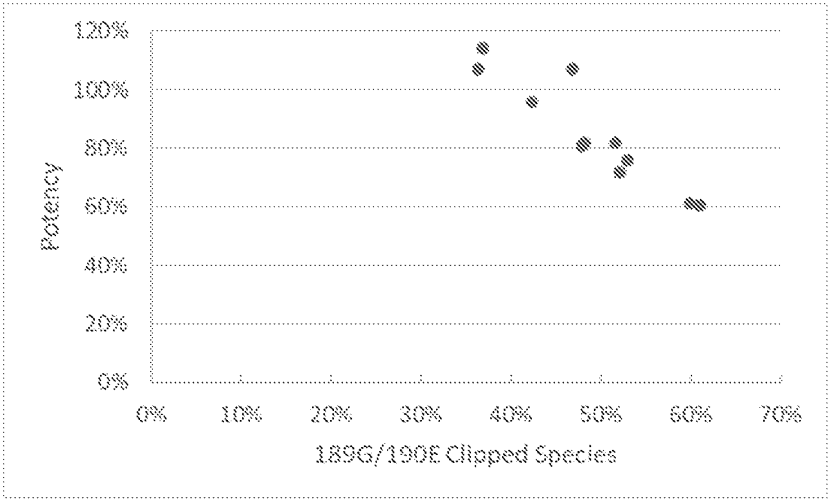


FIG. 2

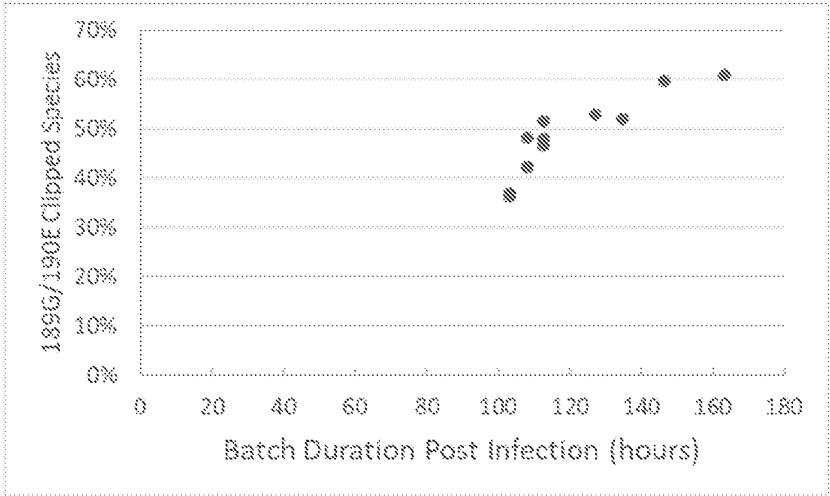


FIG. 3

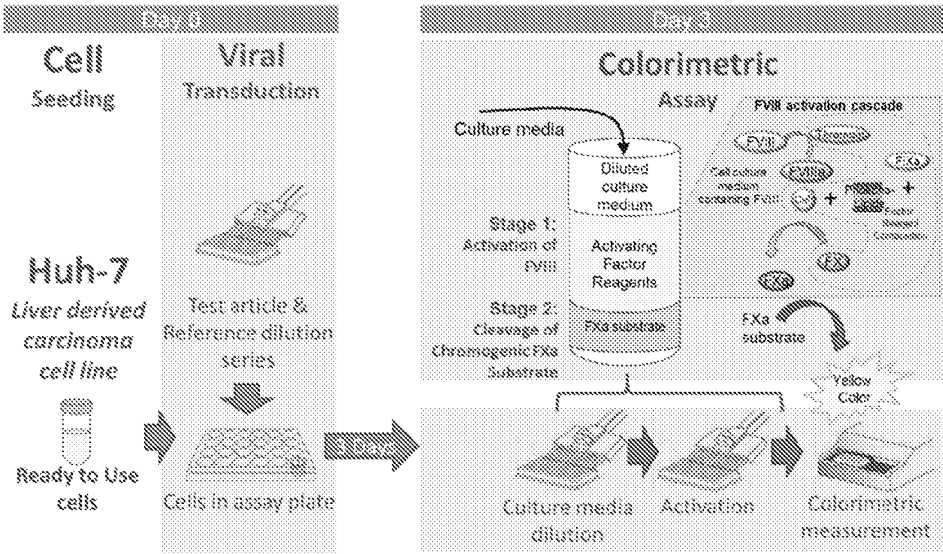


FIG. 4

A.

```

AAV8      MAADGYLPDWLEDNLSEGIREWIALKPGAPKPKANQQKQDDGRGLVLPGYKYLGPFGSLD 68
AAV1      MAADGYLPDWLEDNLSEGIREWDLKPGAPKPKANQQKQDDGRGLVLPGYKYLGPFGSLD 68
AAV6      MAADGYLPDWLEDNLSEGIREWDLKPGAPKPKANQQKQDDGRGLVLPGYKYLGPFGSLD 68
AAV3A     MAADGYLPDWLEDNLSEGIREWIALKPGVPQPKANQQKQDNRRGLVLPGYKYLGPFGSLD 68
AAV3B     MAADGYLPDWLEDNLSEGIREWIALKPGVPQPKANQQKQDNRRGLVLPGYKYLGPFGSLD 68
          ***** ,*,*****,*; *****

AAV8      KGEFVNIAADAAAAL EHKAYDQQLKAGDNIPYLRYNHADAEFQERLQEDTSFGGNIGRAVFQ 120
AAV1      KGEFVNIAADAAAAL EHKAYDQQLKAGDNIPYLRYNHADAEFQERLQEDTSFGGNIGRAVFQ 120
AAV6      KGEFVNIAADAAAAL EHKAYDQQLKAGDNIPYLRYNHADAEFQERLQEDTSFGGNIGRAVFQ 120
AAV3A     KGEFVNIEADAAAAL EHKAYDQQLKAGDNIPYLRYNHADAEFQERLQEDTSFGGNIGRAVFQ 120
AAV3B     KGEFVNIEADAAAAL EHKAYDQQLKAGDNIPYLRYNHADAEFQERLQEDTSFGGNIGRAVFQ 120
          ***** ,***** ,***** ,*****

AAV8      AKKRVLEPLGLVEEGAKTAPGKKRPVEPSQPSFDSSTGIGKKGQPAKKRLNFGQTGDS 180
AAV1      AKKRVLEPLGLVEEGAKTAPGKKRPVEQSPQ-EPDSSSGIGKTGQPAKKRLNFGQTGDS 179
AAV6      AKKRVLEPFGLVEEGAKTAPGKKRPVEQSPQ-EPDSSSGIGKTGQPAKKRLNFGQTGDS 179
AAV3A     AKKRILEPLGLVEEAAKTAPGKKGAVDQSPQ-EPDSSSGVGKSGKQPAKKRLNFGQTGDS 179
AAV3B     AKKRILEPLGLVEEAAKTAPGKKRPVDQSPQ-EPDSSSGVGKSGKQPAKKRLNFGQTGDS 179
          ****,*;****,*;***** *; *** ,***,*;*,*,*,*,*****

AAV8      ESVPDPQP,GEPPAAPSQVGPNTMAAGGGAPHADNIEGADGVGNSSGMIHCDSTHLGDRV 240
AAV1      ESVPDPQP,GEPPATPAAVGPTTMAAGGGAPHADNIEGADGVGNSSGMIHCDSTHLGDRV 239
AAV6      ESVPDPQP,GEPPATPAAVGPTTMAAGGGAPHADNIEGADGVGNSSGMIHCDSTHLGDRV 239
AAV3A     ESVPDPQP,GEPPAAPTSLGSNTMAAGGGAPHADNIEGADGVGNSSGMIHCDSTHLGDRV 239
AAV3B     ESVPDPQP,GEPPAAPTSLGSNTMAAGGGAPHADNIEGADGVGNSSGMIHCDSTHLGDRV 239
          ***** ,*,*,*,*,*,***** ,*,*****

AAV8      ITTSTRTNALPTYNNHLYKQISSSTSGGATIGNITYFGYSTPWGYFDNRFHCHFSPRDQ 300
AAV1      ITTSTRTNALPTYNNHLYKQISSAS--TGASNDNHYFGYSTPWGYFDNRFHCHFSPRDQ 298
AAV6      ITTSTRTNALPTYNNHLYKQISSAS--TGASNDNHYFGYSTPWGYFDNRFHCHFSPRDQ 298
AAV3A     ITTSTRTNALPTYNNHLYKQISSQ--SGASNDNHYFGYSTPWGYFDNRFHCHFSPRDQ 297
AAV3B     ITTSTRTNALPTYNNHLYKQISSQ--SGASNDNHYFGYSTPWGYFDNRFHCHFSPRDQ 297
          ***** ,***** ,*****

AAV8      RLINMMMGFRPKRLSFKLFNIQVKEVTQNEGTCTIANNLTSIQVFTDSEYQLPYVLGSA 360
AAV1      RLINMMMGFRPKRLNFKLFNIQVKEVTTNQGVTTIANNLTSVQVFSOSEYQLPYVLGSA 358
AAV6      RLINMMMGFRPKRLNFKLFNIQVKEVTTNQGVTTIANNLTSVQVFSOSEYQLPYVLGSA 358
AAV3A     RLINMMMGFRPKRLSFKLFNIQVKEVTQNDGTTTIANNLTSVQVFTDSEYQLPYVLGSA 357
AAV3B     RLINMMMGFRPKRLSFKLFNIQVKEVTQNDGTTTIANNLTSVQVFTDSEYQLPYVLGSA 357
          ***** ,*,***** ,* ,*,*,***** ,*,*****

AAV8      HQGCLPPFPADVFNIPQYGYLTLNNGSQAVGRSSFYCLEYFPSQMLRTGNMFQFTYTFED 420
AAV1      HQGCLPPFPADVFNIPQYGYLTLNNGSQAVGRSSFYCLEYFPSQMLRTGNMFQFTYTFED 418
AAV6      HQGCLPPFPADVFNIPQYGYLTLNNGSQAVGRSSFYCLEYFPSQMLRTGNMFQFTYTFED 418
AAV3A     HQGCLPPFPADVFNIPQYGYLTLNNGSQAVGRSSFYCLEYFPSQMLRTGNMFQFTYTFED 417
AAV3B     HQGCLPPFPADVFNIPQYGYLTLNNGSQAVGRSSFYCLEYFPSQMLRTGNMFQFTYTFED 417
          ***** ,***** ,***** ,*,*****

```

FIG. 5

B.

```

AAV8      VPFHSSYAHSSQLDRLWNPIDQYLYLNRATQTT-GGTANTQTGFSQGSPTMANQAKN 479
AAV1      VPFHSSYAHSSQLDRLWNPIDQYLYLNRATQNS-GSAQNKDLFSRGSFAGMSVQPKN 477
AAV6      VPFHSSYAHSSQLDRLWNPIDQYLYLNRATQNS-GSAQNKDLFSRGSFAGMSVQPKN 477
AAV3A     VPFHSSYAHSSQLDRLWNPIDQYLYLNRATQTTSGTTNQSRLLFSQAGPQSMGLQARN 477
AAV3B     VPFHSSYAHSSQLDRLWNPIDQYLYLNRATQTTSGTTNQSRLLFSQAGPQSMGLQARN 477
          *****;***      ?;:; , * **;,,* ?; * ;*

AAV8      NLPGPCYRQQRVSTTTGQWNSNFAWTAGTKYHLNGRNSLANPGIAMATHKODEERFFPS 539
AAV1      NLPGPCYRQQRVSKTKTDWNSNFTWTGASKYNLNGRESIINPGTAMASHKDEEKFFPM 537
AAV6      NLPGPCYRQQRVSKTKTDWNSNFTWTGASKYNLNGRESIINPGTAMASHKDEEKFFPM 537
AAV3A     NLPGPCYRQQRSLKTAQWNSNFPWTAASKYHLNGRDSLVPGPAPAMASHKDEEKFFPM 537
AAV3B     NLPGPCYRQQRSLKTAQWNSNFPWTAASKYHLNGRDSLVPGPAPAMASHKDEEKFFPM 537
          *****;*,*      }***** **,,**;*;****;?; ** **;*;****;:;***

AAV8      HGIILIFGKQNAARDNADYSVMILTSEEEIKTTNPVATEEYGVADNLQQQNTAPQIGTVN 599
AAV1      SGWMIIFGKESAGASNTALDNWMITDEEEIKATNPVATERFQGTAVNMFQSSSTDPATGQVH 597
AAV6      SGWMIIFGKESAGASNTALDNWMITDEEEIKATNPVATERFQGTAVNMFQSSSTDPATGQVH 597
AAV3A     HGNLIFGKEGTTASNAELDNWMITDEEEIRTTPVATEQYGTVANMLQSSNTAPTGTGVN 597
AAV3B     HGNLIFGKEGTTASNAELDNWMITDEEEIRTTPVATEQYGTVANMLQSSNTAPTTRTVN 597
          * {***;.:} ,*: ,;***,*;****;*****;,* ** *{*,.,* * *;

AAV8      SQGALPGMAAQDRDQVYLQSPFIWAKIPHTDGHFHPSPLMGGFGLKHPPPQILIKNTVPVAD 659
AAV1      AMGALPGMAAQDRDQVYLQSPFIWAKIPHTDGHFHPSPLMGGFGLKHPPPQILIKNTVPVAN 657
AAV6      VMGALPGMAAQDRDQVYLQSPFIWAKIPHTDGHFHPSPLMGGFGLKHPPPQILIKNTVPVAN 657
AAV3A     HQGALPGMAAQDRDQVYLQSPFIWAKIPHTDGHFHPSPLMGGFGLKHPPPQIMIKNTVPVAN 657
AAV3B     DQGALPGMAAQDRDQVYLQSPFIWAKIPHTDGHFHPSPLMGGFGLKHPPPQIMIKNTVPVAN 657
          *****;***** *****;*****;*****;*****;

AAV8      PPTTFNQSKLNSFITQYSTGQVSVEIEWELQKENSKRIMPEIQYTSNYYKSTSVQFAMVT 719
AAV1      PPAEFSATKFAFITQYSTGQVSVEIEWELQKENSKRIMPEVQYTSNYYKSAWVQFTVDN 717
AAV6      PPAEFSATKFAFITQYSTGQVSVEIEWELQKENSKRIMPEVQYTSNYYKSAWVQFTVDN 717
AAV3A     PPTTFSPAKFAFITQYSTGQVSVEIEWELQKENSKRIMPEIQYTSNYYKSWVQFTVDT 717
AAV3B     PPTTFSPAKFAFITQYSTGQVSVEIEWELQKENSKRIMPEIQYTSNYYKSWVQFTVDT 717
          **; *,*;*; *****;*****;***** **,,***;*,*

AAV8      EGVYSEPRPIGTRYLTRNL 738
AAV1      NGLYTEPRPIGTRYLTRPL 736
AAV6      NGLYTEPRPIGTRYLTRPL 736
AAV3A     NGVYSEPRPIGTRYLTRNL 736
AAV3B     NGVYSEPRPIGTRYLTRNL 736
          ;*;*;***** *

```

FIG. 5 (continued)

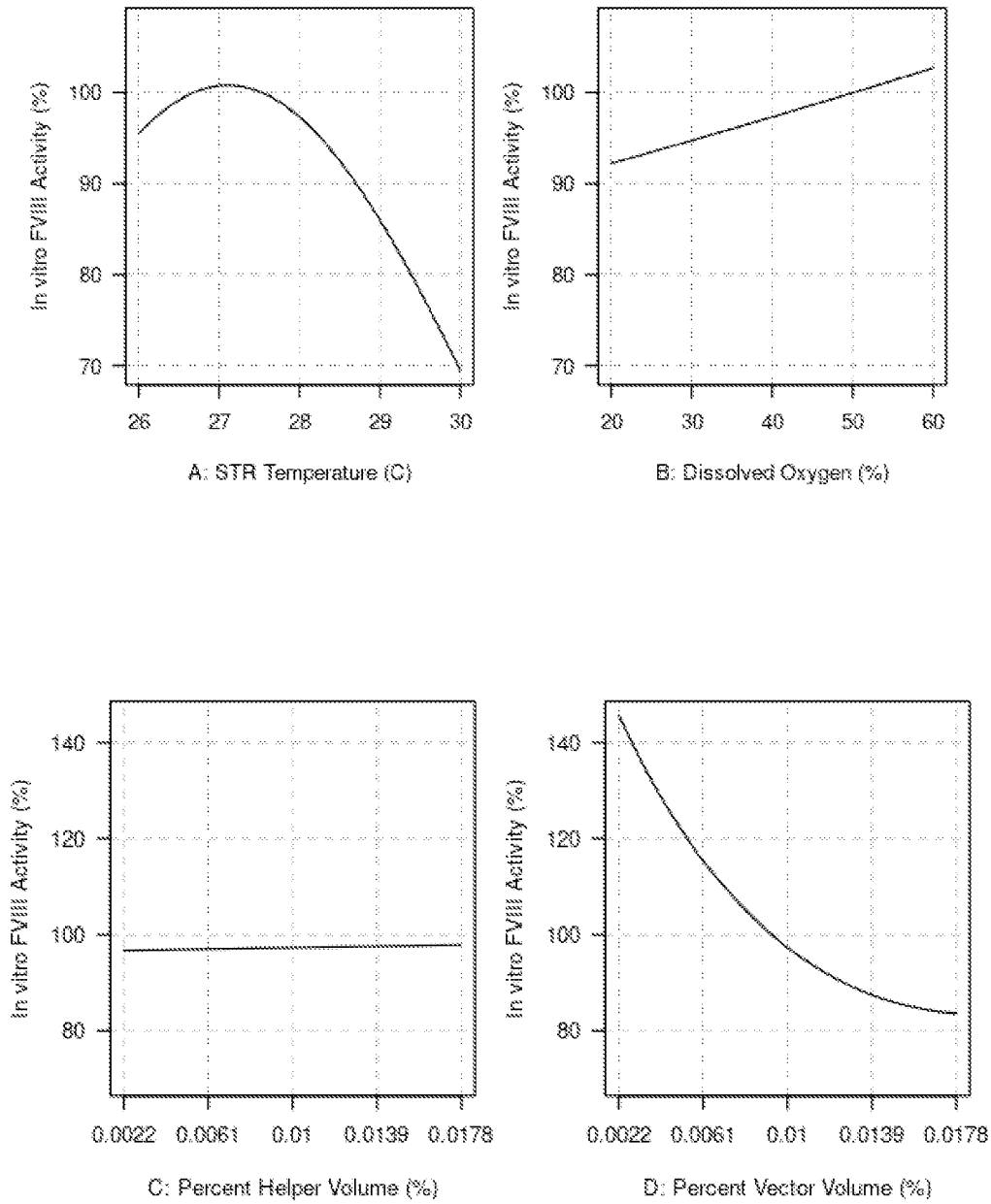
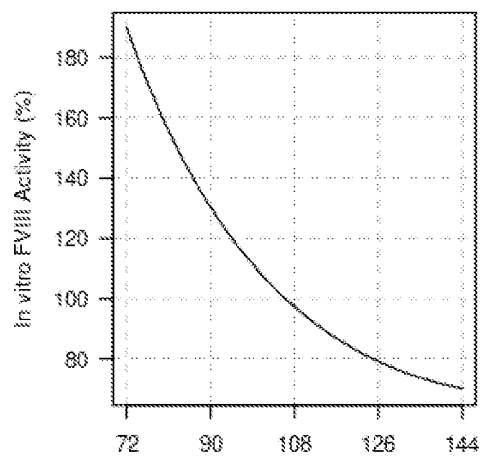


FIG. 6



E. Batch Duration Post Infection (hr)

FIG. 6