

ChAd3 (1) MKKPKTSDSENVPYIPDITSGPFESVPELPPFVSRPDGTOESPFGVLSINFAPEPVSIGMFAHMGSSGLSHDDAGNFTSOITDASPEPKKANKNLSIE
PanAd3 (1) MKKPKTSDSENVPYIPDITSGPFESVPELPPFVSRPDGTOESPFGVLSINFAPEPVSIGMFAHMGSSGLSHDDAGNFTSOITDASPEPKKANKNLSIE
ChAd17 (1) MKKPKTSDSENVPYIPDITSGPFESVPELPPFVSRPDGTOESPFGVLSINFAPEPVSIGMFAHMGSSGLSHDDAGNFTSOITDASPEPKKANKNLSIE
ChAd19 (1) MKKPKTSDSENVPYIPDITSGPFESVPELPPFVSRPDGTOESPFGVLSINFAPEPVSIGMFAHMGSSGLSHDDAGNFTSOITDASPEPKKANKNLSIE
ChAd24 (1) MKKPKTSDSENVPYIPDITSGPFESVPELPPFVSRPDGTOESPFGVLSINFAPEPVSIGMFAHMGSSGLSHDDAGNFTSOITDASPEPKKANKNLSIE
ChAd155 (1) MKKPKTSDSENVPYIPDITSGPFESVPELPPFVSRPDGTOESPFGVLSINFAPEPVSIGMFAHMGSSGLSHDDAGNFTSOITDASPEPKKANKNLSIE
ChAd11 (1) MKKPKTSDSENVPYIPDITSGPFESVPELPPFVSRPDGTOESPFGVLSINFAPEPVSIGMFAHMGSSGLSHDDAGNFTSOITDASPEPKKANKNLSIE
ChAd20 (1) MKKPKTSDSENVPYIPDITSGPFESVPELPPFVSRPDGTOESPFGVLSINFAPEPVSIGMFAHMGSSGLSHDDAGNFTSOITDASPEPKKANKNLSIE
ChAd31 (1) MKKPKTSDSENVPYIPDITSGPFESVPELPPFVSRPDGTOESPFGVLSINFAPEPVSIGMFAHMGSSGLSHDDAGNFTSOITDASPEPKKANKNLSIE
PanAd1 (1) MKKPKTSDSENVPYIPDITSGPFESVPELPPFVSRPDGTOESPFGVLSINFAPEPVSIGMFAHMGSSGLSHDDAGNFTSOITDASPEPKKANKNLSIE
PanAd2 (1) MKKPKTSDSENVPYIPDITSGPFESVPELPPFVSRPDGTOESPFGVLSINFAPEPVSIGMFAHMGSSGLSHDDAGNFTSOITDASPEPKKANKNLSIE

ChAd3 (101) TSSPLTVSTSGALIMAAAPPFAVAGCSLNNOSFAPIINVODAKITLAAKGPETVSGKINLOTORSARLFAADSSHTVSALEPIINVSSGSGICLODHPMYTH
PanAd3 (101) TSSPLTVSTSGALIMAAAPPFAVAGCSLNNOSFAPIINVODAKITLAAKGPETVSGKINLOTORSARLFAADSSHTVSALEPIINVSSGSGICLODHPMYTH
ChAd17 (101) TSSPLTVSTSGALIMAAAPPFAVAGCSLNNOSFAPIINVODAKITLAAKGPETVSGKINLOTORSARLFAADSSHTVSALEPIINVSSGSGICLODHPMYTH
ChAd19 (101) TSSPLTVSTSGALIMAAAPPFAVAGCSLNNOSFAPIINVODAKITLAAKGPETVSGKINLOTORSARLFAADSSHTVSALEPIINVSSGSGICLODHPMYTH
ChAd24 (101) TSSPLTVSTSGALIMAAAPPFAVAGCSLNNOSFAPIINVODAKITLAAKGPETVSGKINLOTORSARLFAADSSHTVSALEPIINVSSGSGICLODHPMYTH
ChAd155 (101) TSSPLTVSTSGALIMAAAPPFAVAGCSLNNOSFAPIINVODAKITLAAKGPETVSGKINLOTORSARLFAADSSHTVSALEPIINVSSGSGICLODHPMYTH
ChAd11 (101) TSSPLTVSTSGALIMAAAPPFAVAGCSLNNOSFAPIINVODAKITLAAKGPETVSGKINLOTORSARLFAADSSHTVSALEPIINVSSGSGICLODHPMYTH
ChAd20 (101) TSSPLTVSTSGALIMAAAPPFAVAGCSLNNOSFAPIINVODAKITLAAKGPETVSGKINLOTORSARLFAADSSHTVSALEPIINVSSGSGICLODHPMYTH
ChAd31 (101) TSSPLTVSTSGALIMAAAPPFAVAGCSLNNOSFAPIINVODAKITLAAKGPETVSGKINLOTORSARLFAADSSHTVSALEPIINVSSGSGICLODHPMYTH
PanAd1 (101) TSSPLTVSTSGALIMAAAPPFAVAGCSLNNOSFAPIINVODAKITLAAKGPETVSGKINLOTORSARLFAADSSHTVSALEPIINVSSGSGICLODHPMYTH
PanAd2 (101) TSSPLTVSTSGALIMAAAPPFAVAGCSLNNOSFAPIINVODAKITLAAKGPETVSGKINLOTORSARLFAADSSHTVSALEPIINVSSGSGICLODHPMYTH

FIG. 1A

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ChAd3 (201)	DGAEIURGCEPFWVESHHTLAWWNGELTDNNATQRTGATQVITSGLOIRAGGGD	DARLTLLVAVEPDQONLSRIAGGGPIVY	QHNEN
PanAd3 (200)	DGAEIURGCEPFWVESHHTLAWWNGELTDNNATQRTGATQVITSGLOIRAGGGD	UNIQTLDDVAVEPDQONLSRIAGGGPIVY	QHNEN
ChAd17 (201)	DGAEIURGCEPFWVESHHTLAWWNGELTDNNATQRTGATQVITSGLOIRAGGGD	QDANGOLITDVAVEPDQONLSRIAGGGPIVY	QHNEN
ChAd19 (201)	DGAEIURGCEPFWVESHHTLAWWNGELTDNNATQRTGATQVITSGLOIRAGGGD	QDANGOLITDVAVEPDQONLSRIAGGGPIVY	QHNEN
ChAd24 (201)	DGAEIURGCEPFWVESHHTLAWWNGELTDNNATQRTGATQVITSGLOIRAGGGD	QDANGOLITDVAVEPDQONLSRIAGGGPIVY	QHNEN
ChAd155 (201)	NGXLENNFCEPFWVESHHTLAWWNGELTDNNATQRTGATQVITSGLOIRAGGGD	QDANGOLITDVAVEPDQONLSRIAGGGPIVY	SAHNEN
ChAd11 (201)	NGXLENNFCEPFWVESHHTLAWWNGELTDNNATQRTGATQVITSGLOIRAGGGD	QDANGOLITDVAVEPDQONLSRIAGGGPIVY	SAHNEN
ChAd20 (201)	NGXLENNFCEPFWVESHHTLAWWNGELTDNNATQRTGATQVITSGLOIRAGGGD	QDANGOLITDVAVEPDQONLSRIAGGGPIVY	SAHNEN
ChAd31 (201)	NGXLENNFCEPFWVESHHTLAWWNGELTDNNATQRTGATQVITSGLOIRAGGGD	QDANGOLITDVAVEPDQONLSRIAGGGPIVY	SAHNEN
PanAd 1 (200)	NGXLENNFCEPFWVESHHTLAWWNGELTDNNATQRTGATQVITSGLOIRAGGGD	QDANGOLITDVAVEPDQONLSRIAGGGPIVY	SAHNEN
PanAd2 (200)	NGXLENNFCEPFWVESHHTLAWWNGELTDNNATQRTGATQVITSGLOIRAGGGD	QDANGOLITDVAVEPDQONLSRIAGGGPIVY	SAHNEN
ChAd3 (301)	UNNRGHTTTTUNIKKKEET	KTSSEIDNDINCAVHTKAGTGISINTIGELUVGNTODDKKNNWT	
PanAd3 (300)	UNNRGHTTTTUNIKKKEET	KIDSSEIDNENCAVHTKAGTGISINTIGELUVGNTODDKKNNWT	
ChAd17 (301)	UNNRGHTTTTUNIKKKEET	KTSSEIDNDINCAVHTKAGTGISINTIGELUVGNTODDKKNNWT	
ChAd19 (301)	UNNRGHTTTTUNIKKKEET	KTSSEIDNDINCAVHTKAGTGISINTIGELUVGNTODDKKNNWT	
ChAd24 (301)	UNNRGHTTTTUNIKKKEET	KTSSEIDNDINCAVHTKAGTGISINTIGELUVGNTODDKKNNWT	
ChAd155 (301)	UNNRGHTTTTUNIKKKEET	KTSSEIDNDINCAVHTKAGTGISINTIGELUVGNTODDKKNNWT	
ChAd11 (301)	UNNRGHTTTTUNIKKKEET	KTSSEIDNDINCAVHTKAGTGISINTIGELUVGNTODDKKNNWT	
ChAd20 (301)	UNNRGHTTTTUNIKKKEET	KTSSEIDNDINCAVHTKAGTGISINTIGELUVGNTODDKKNNWT	
ChAd31 (301)	UNNRGHTTTTUNIKKKEET	KTSSEIDNDINCAVHTKAGTGISINTIGELUVGNTODDKKNNWT	
PanAd1 (300)	UNNRGHTTTTUNIKKKEET	KTSSEIDNDINCAVHTKAGTGISINTIGELUVGNTODDKKNNWT	
PanAd2 (300)	UNNRGHTTTTUNIKKKEET	KTSSEIDNDINCAVHTKAGTGISINTIGELUVGNTODDKKNNWT	

FIG. 1B

ChAd3 (365) ~~TEPPSPNCRIHSDKICKETLVITKCGSCIIASVAATAVSGVHASITIGVASVTITFRPQNGVIMENSSEIKOYNIERKNSINAPYINAVGFMPNIAA~~
 PanAd3 (364) ~~TEPPSPNCRIHADKICKETLVITKCGSCIIASVAATAVSGVHSMITIGVASVTITFRPQNGVIMENSSEIKOYNIERKNSINAPYINAVGFMPNISA~~
 ChAd17 (365) ~~TEPPSPNCRIHSDKICKETLVITKCGSCIIASVAATAVSGVHASITIGVASVTITFRPQNGVIMENSSEIKOYNIERKNSINAPYINAVGFMPNIAA~~
 ChAd19 (365) ~~TEPPSPNCRIHSDKICKETLVITKCGSCIIASVAATAVSGVHASITIGVASVTITFRPQNGVIMENSSEIKOYNIERKNSINAPYINAVGFMPNIAA~~
 ChAd24 (365) ~~TEPPSPNCRIHSDKICKETLVITKCGSCIIASVAATAVSGVHASITIGVASVTITFRPQNGVIMENSSEIKOYNIERKNSINAPYINAVGFMPNIAA~~
 ChAd155 (401) ~~TEPPSPNCRIYSEKIATKELVITKCGSCIIASVSLVMKGSUAPISGATISACIVIREPENGVLNSSEIPEOYNIKGDIEGTAYINAVGFMPNITA~~
 ChAd11 (401) ~~TEPPSPNCRIYSEKIATKELVITKCGSCIIASVSLVMKGSUAPISGATISACIVIREPENGVLNSSEIPEOYNIKGDIEGTAYINAVGFMPNITA~~
 ChAd20 (401) ~~TEPPSPNCRIYSEKIATKELVITKCGSCIIASVSLVMKGSUAPISGATISACIVIREPENGVLNSSEIPEOYNIKGDIEGTAYINAVGFMPNITA~~
 ChAd31 (401) ~~TEPPSPNCRIYSEKIATKELVITKCGSCIIASVSLVMKGSUAPISGATISACIVIREPENGVLNSSEIPEOYNIKGDIEGTAYINAVGFMPNITA~~
 PanAd1 (400) ~~TEPPSPNCRIYSEKIATKELVITKCGSCIIASVSLVMKGSUAPISGATISACIVIREPENGVLNSSEIPEOYNIKGDSEGTAYINAVGFMPNITA~~
 PanAd2 (400) ~~TEPPSPNCRIYSEKIATKELVITKCGSCIIASVSLVMKGSUAPISGATISACIVIREPENGVLNSSEIPEOYNIKGDSEGTAYINAVGFMPNITA~~

ChAd3 (465) ~~NPRTQSOTAKNIYSQVINGDKSKPMTLITLNGNNESETSOVSHYSMSHIAWESGOMATIEITAINSETESYTAEQ~~
 PanAd3 (464) ~~NPRTQSOTAKNIYSQVINGDKSKPMTLITLNGNNESETSOVSHYSMSHIAWESGOMATIEITAINSETESYTAEQ~~
 ChAd17 (465) ~~NPRTQSOTAKNIYSQVINGDKSKPMTLITLNGNNESETSOVSHYSMSHIAWESGOMATIEITAINSETESYTAEQ~~
 ChAd19 (465) ~~NPRTQSOTAKNIYSQVINGDKSKPMTLITLNGNNESETSOVSHYSMSHIAWESGOMATIEITAINSETESYTAEQ~~
 ChAd24 (465) ~~NPRTQSOTAKNIYSQVINGDKSKPMTLITLNGNNESETSOVSHYSMSHIAWESGOMATIEITAINSETESYTAEQ~~
 ChAd155 (501) ~~NPRTQSOTAKSNISQVINGDKSKPMTLITLNGNETGDAIVSITYSMSHIAWESGOMATIEITAINSETESYTAQE~~
 ChAd11 (501) ~~NPRTQSOTAKSNISQVINGDKSKPMTLITLNGNETGDAIVSITYSMSHIAWESGOMATIEITAINSETESYTAQE~~
 ChAd20 (501) ~~NPRTQSOTAKSNISQVINGDKSKPMTLITLNGNETGDAIVSITYSMSHIAWESGOMATIEITAINSETESYTAQE~~
 ChAd31 (501) ~~NPRTQSOTAKSNISQVINGDKSKPMTLITLNGNETGDAIVSITYSMSHIAWESGOMATIEITAINSETESYTAQE~~
 PanAd1 (500) ~~NPRTQSOTAKSNISQVINGDKSKPMTLITLNGNETGDAIVSITYSMSHIAWESGOMATIEITAINSETESYTAQE~~
 PanAd2 (500) ~~NPRTQSOTAKSNISQVINGDKSKPMTLITLNGNETGDAIVSITYSMSHIAWESGOMATIEITAINSETESYTAQE~~

FIG. 1C

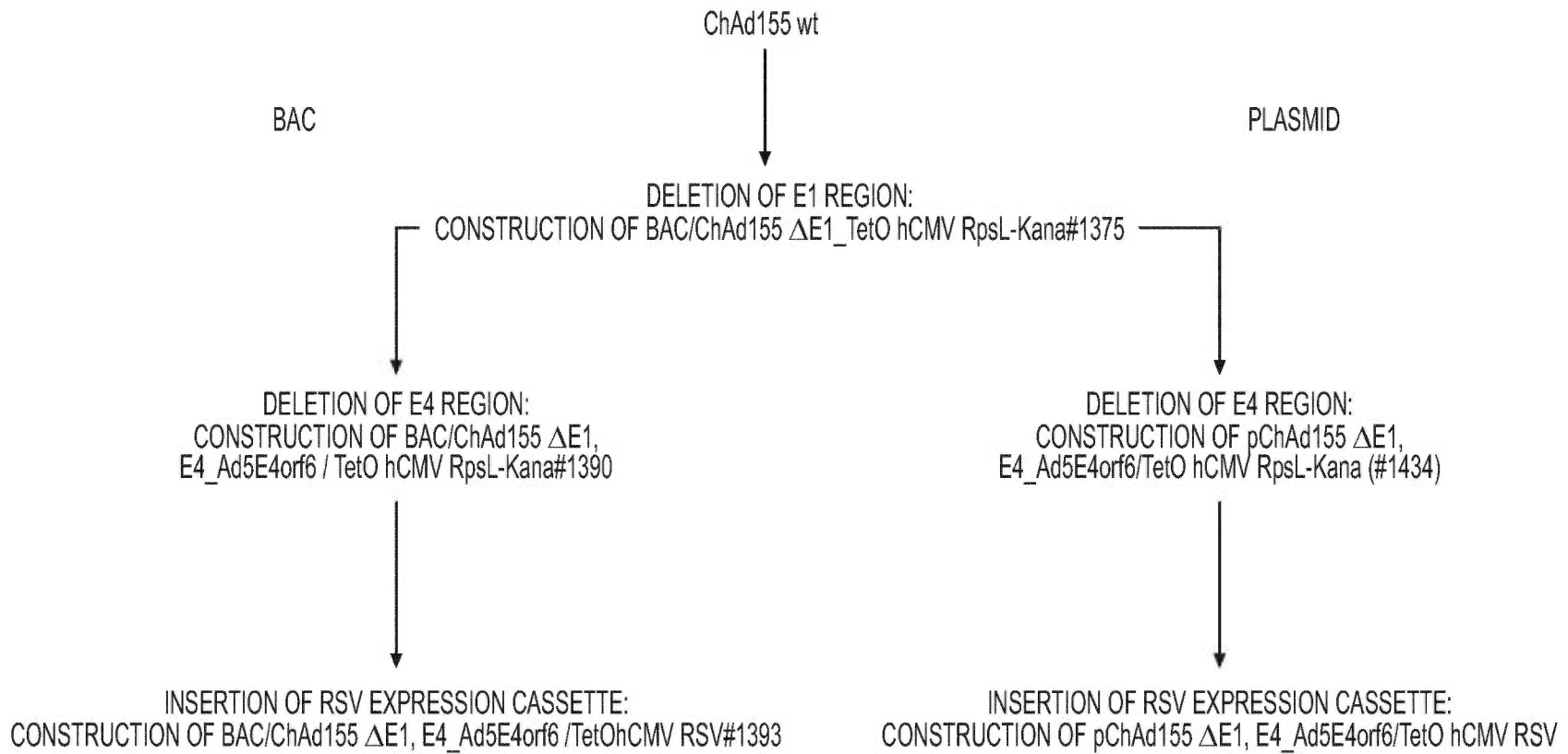


FIG. 2

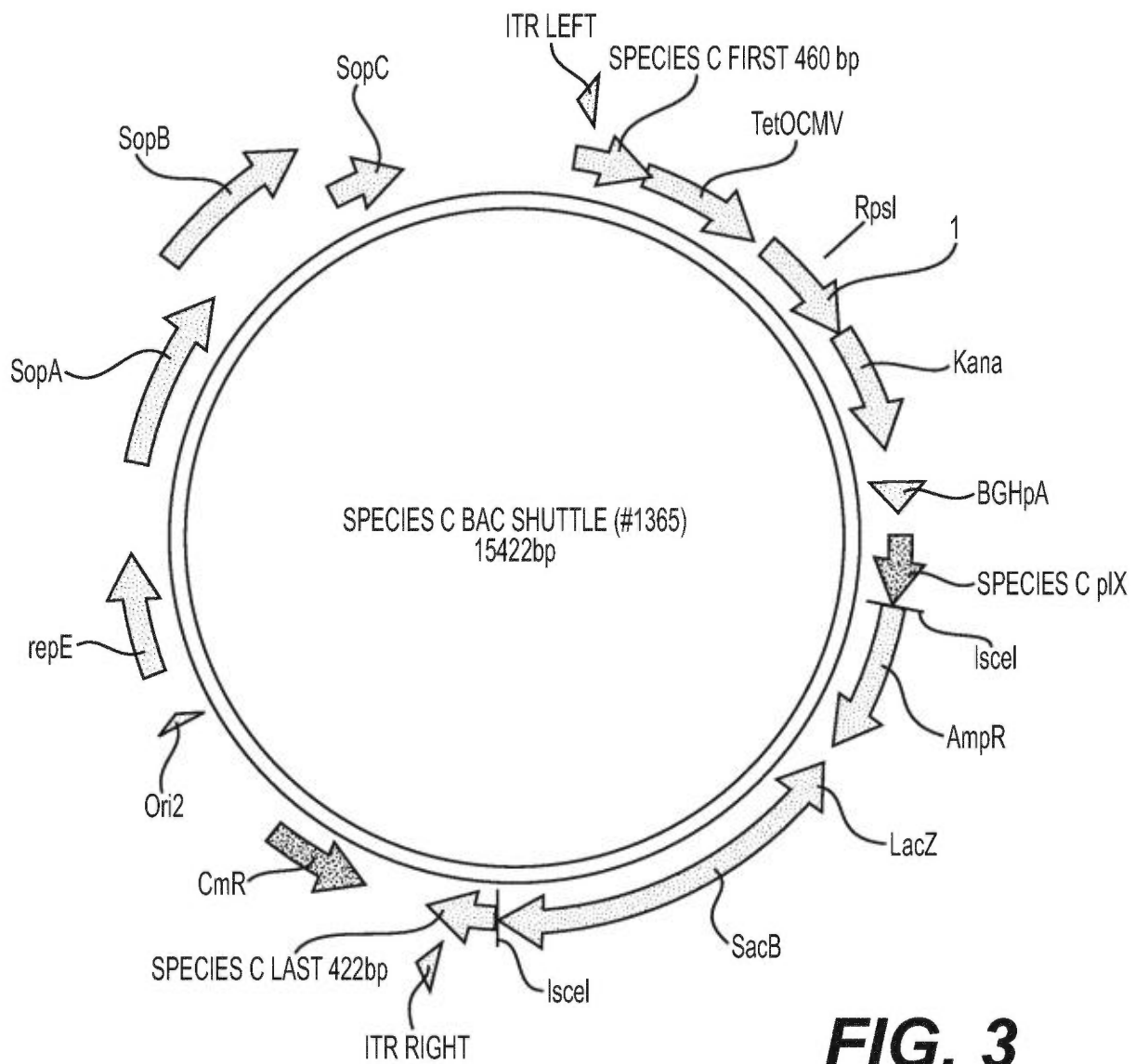


FIG. 3

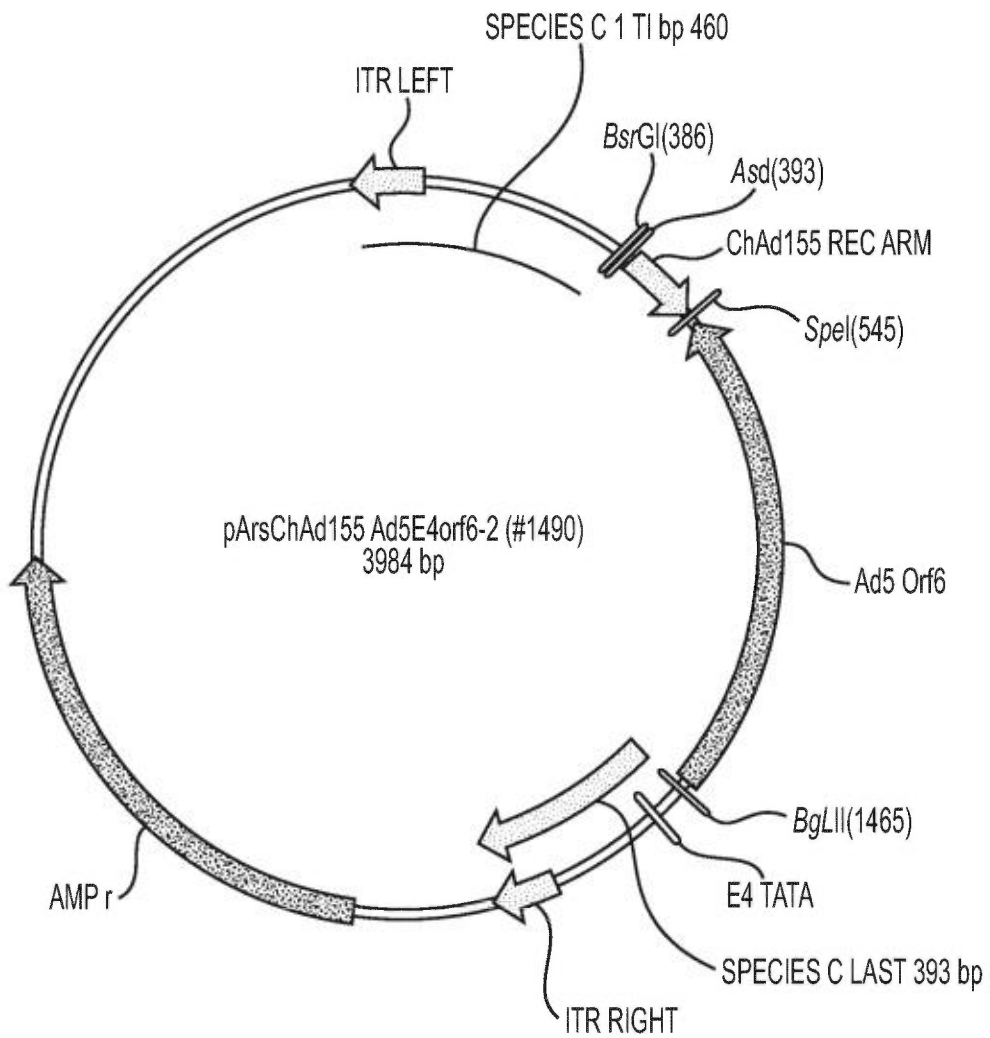


FIG. 4

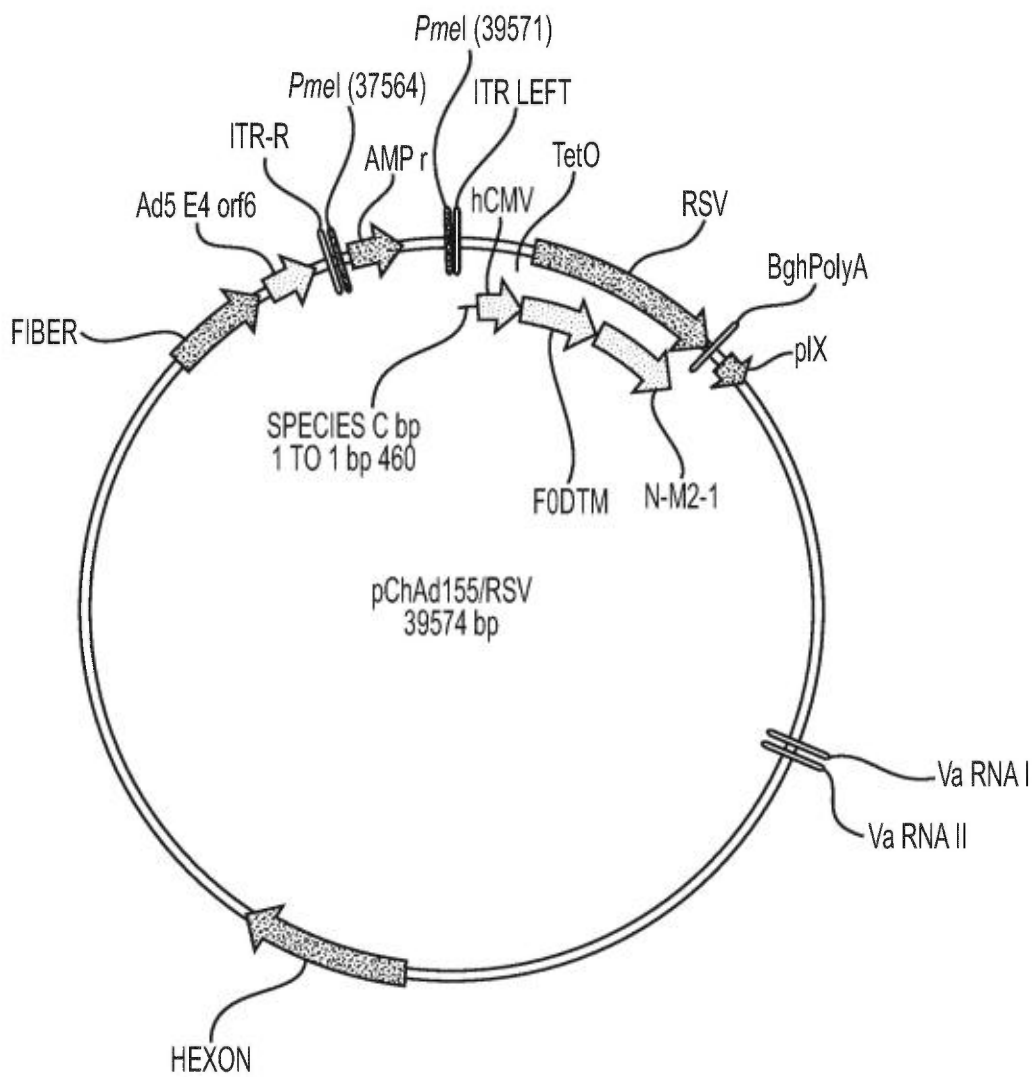
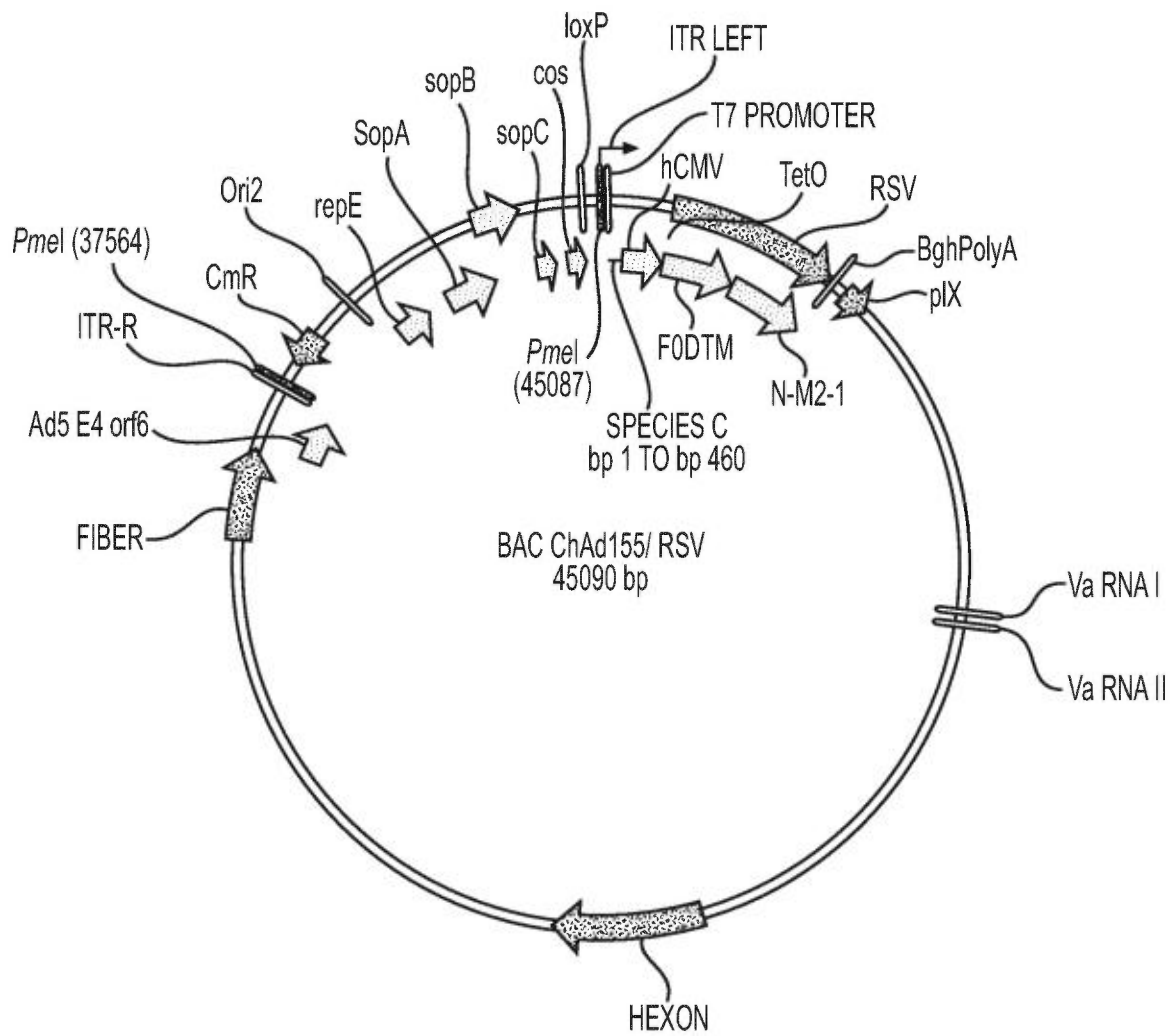
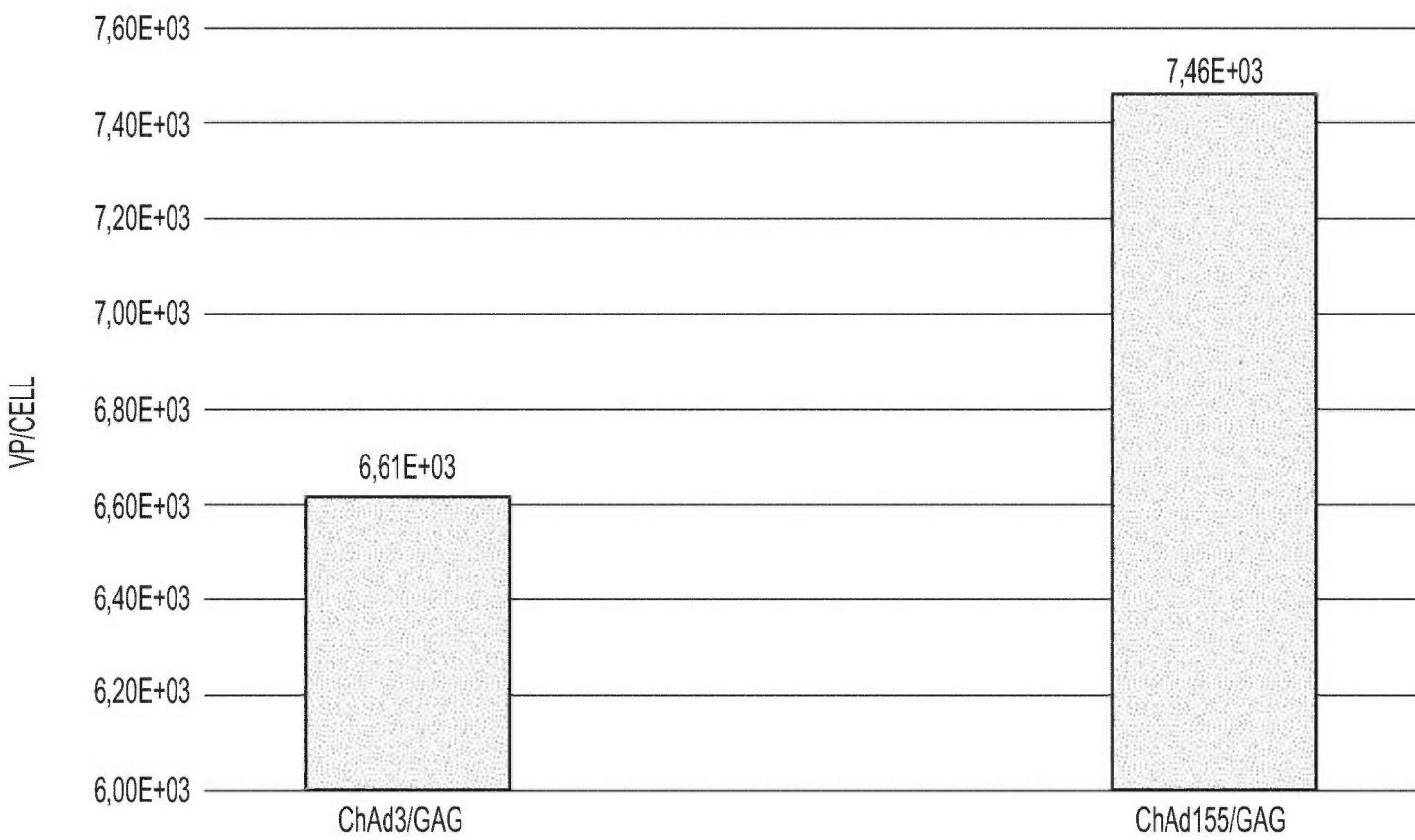


FIG. 5

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**FIG. 6**

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**FIG. 7**

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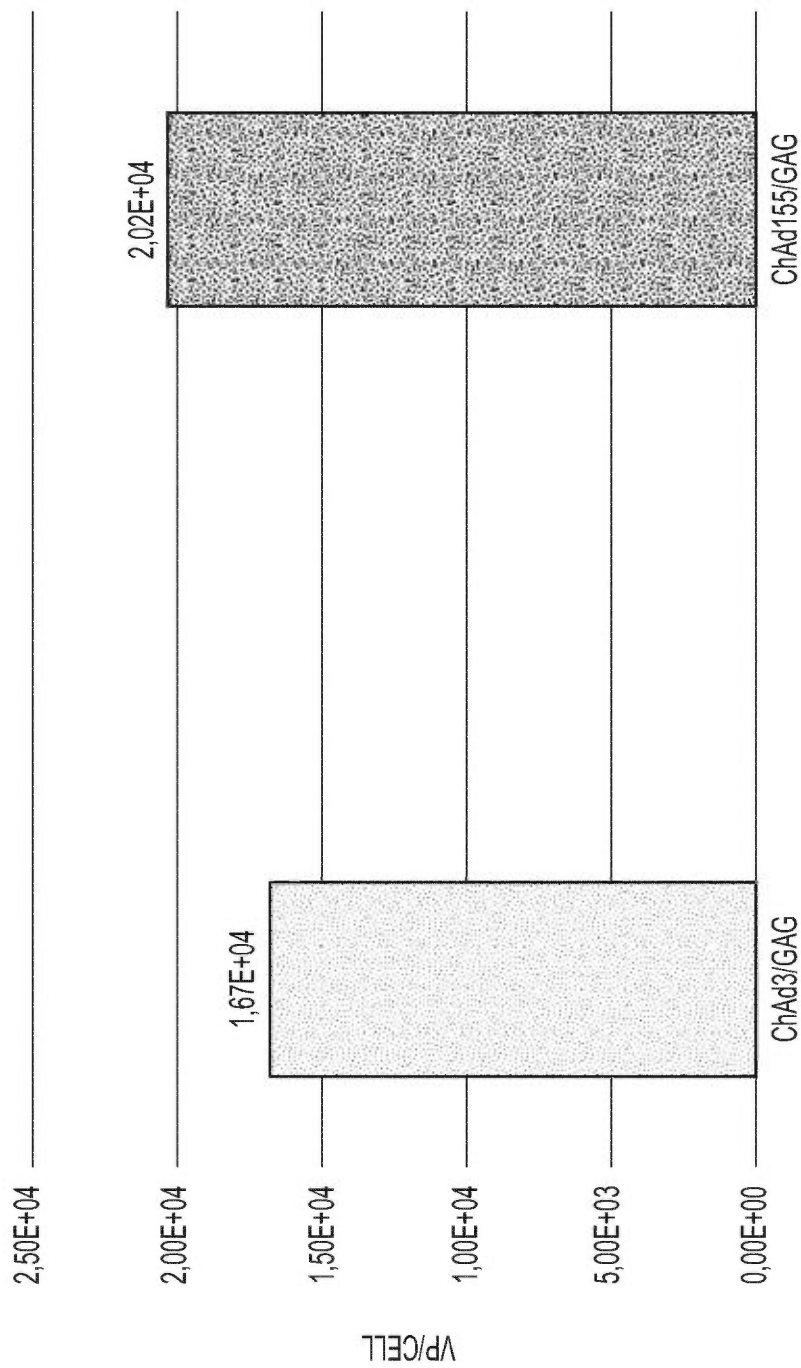


FIG. 8

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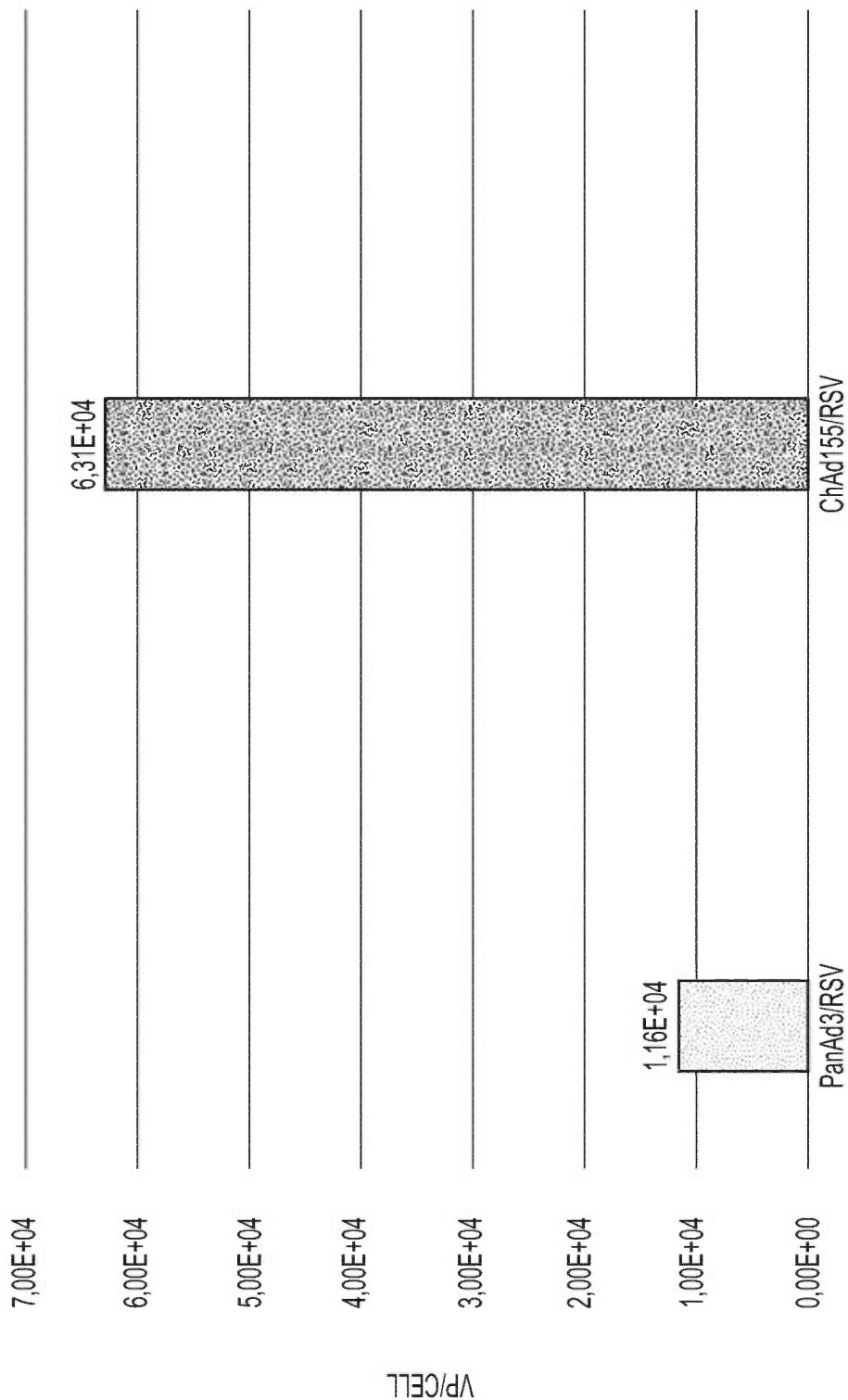
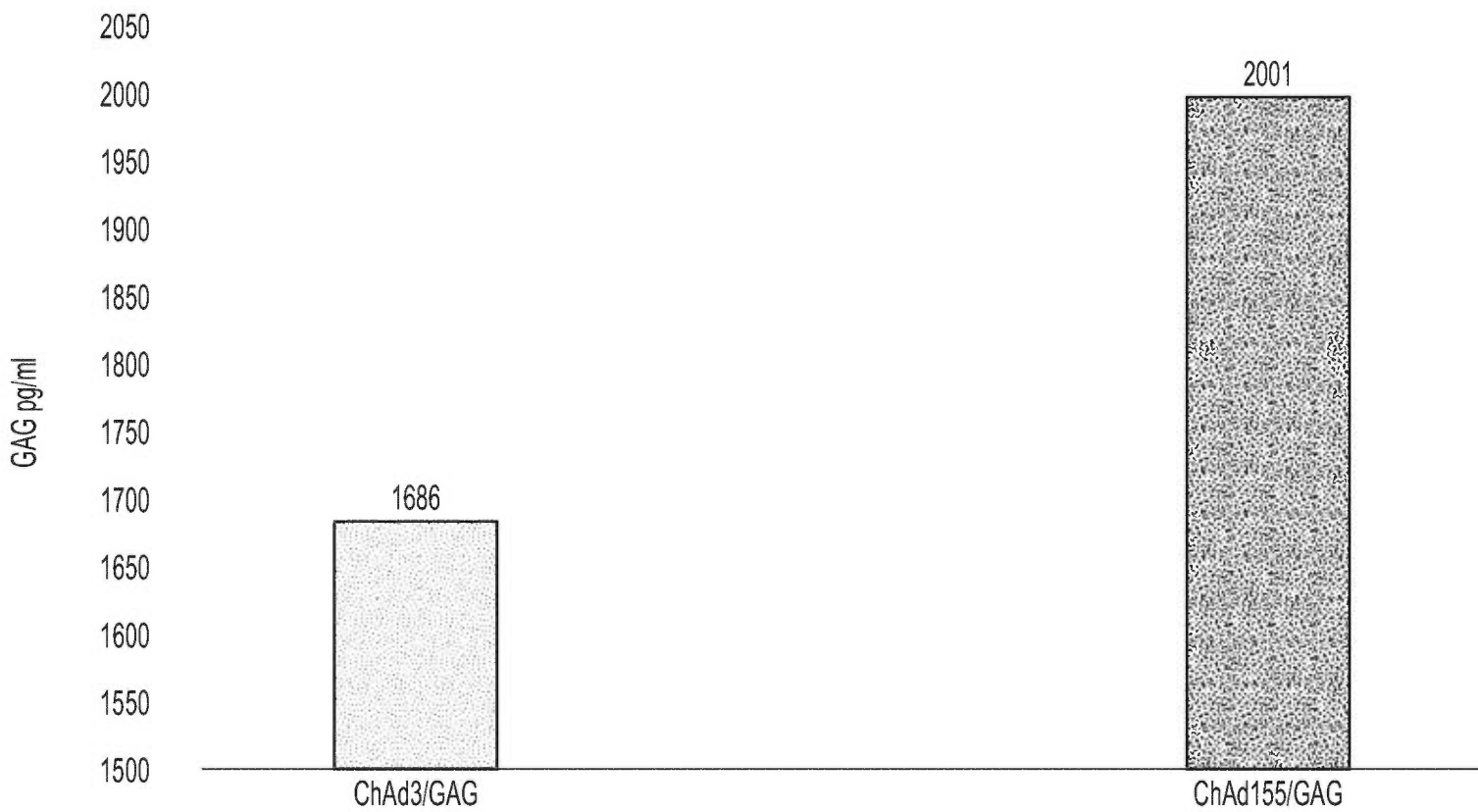
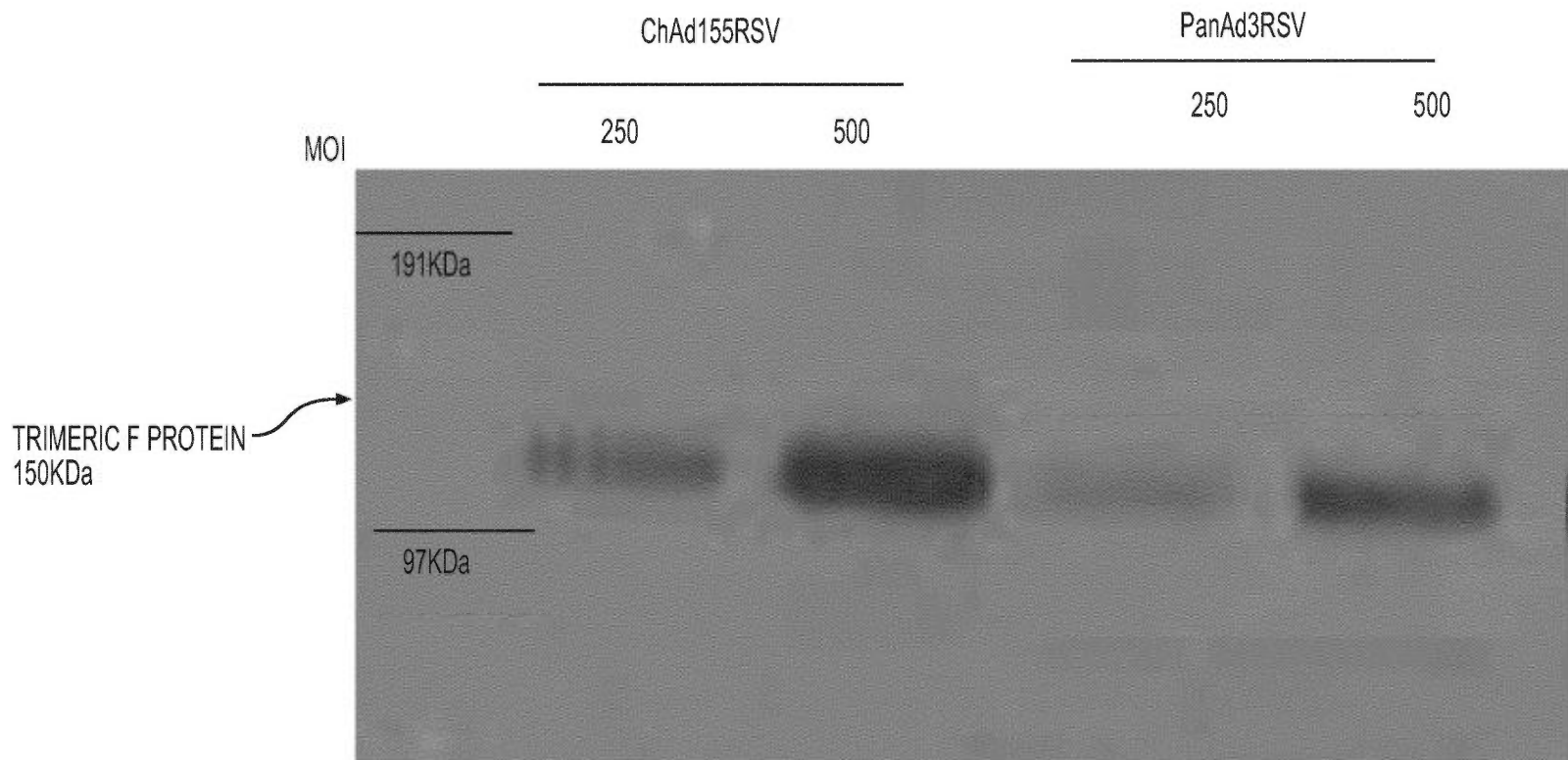


FIG. 9

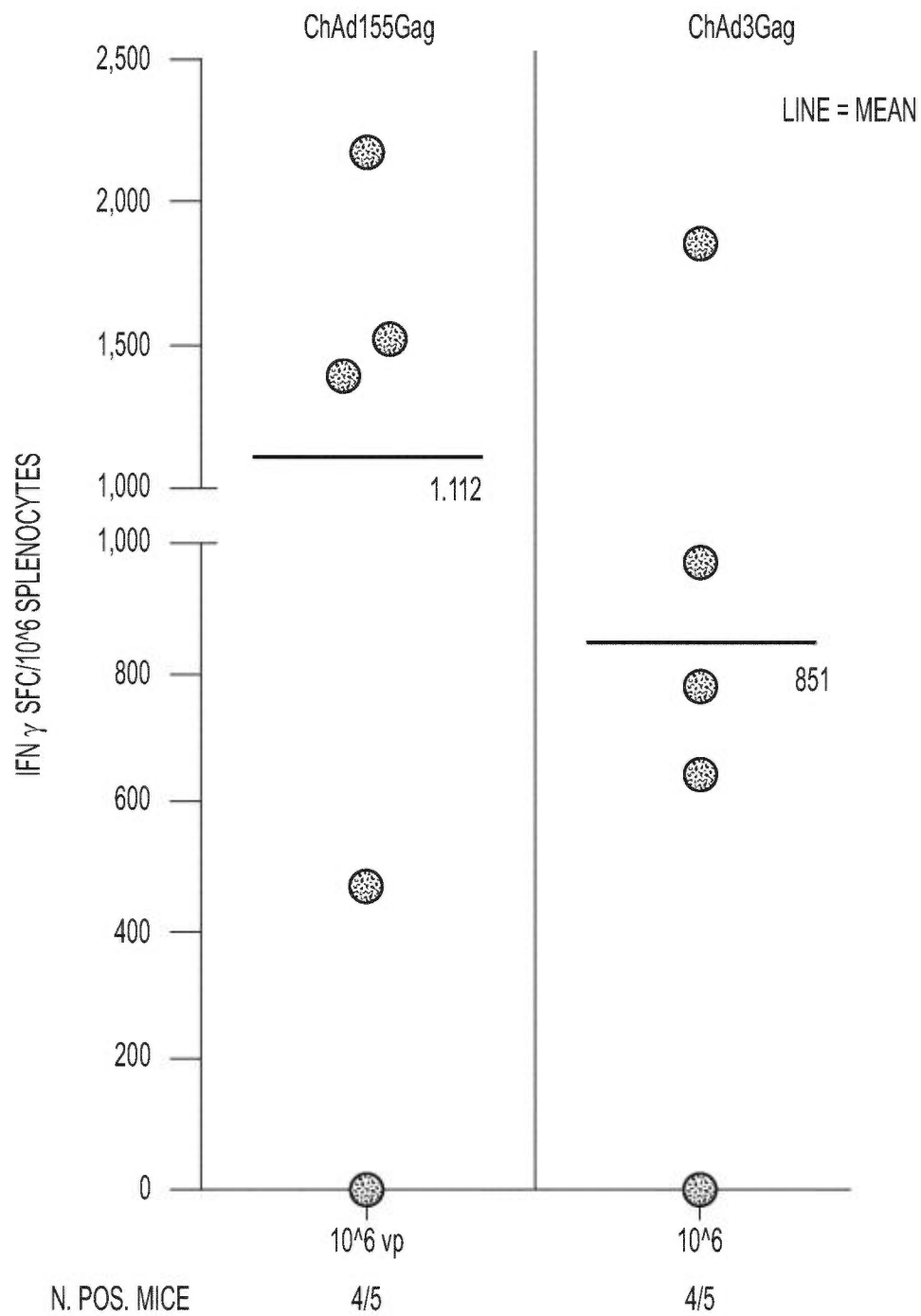
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**FIG. 10**

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**FIG. 11**

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**FIG. 12**

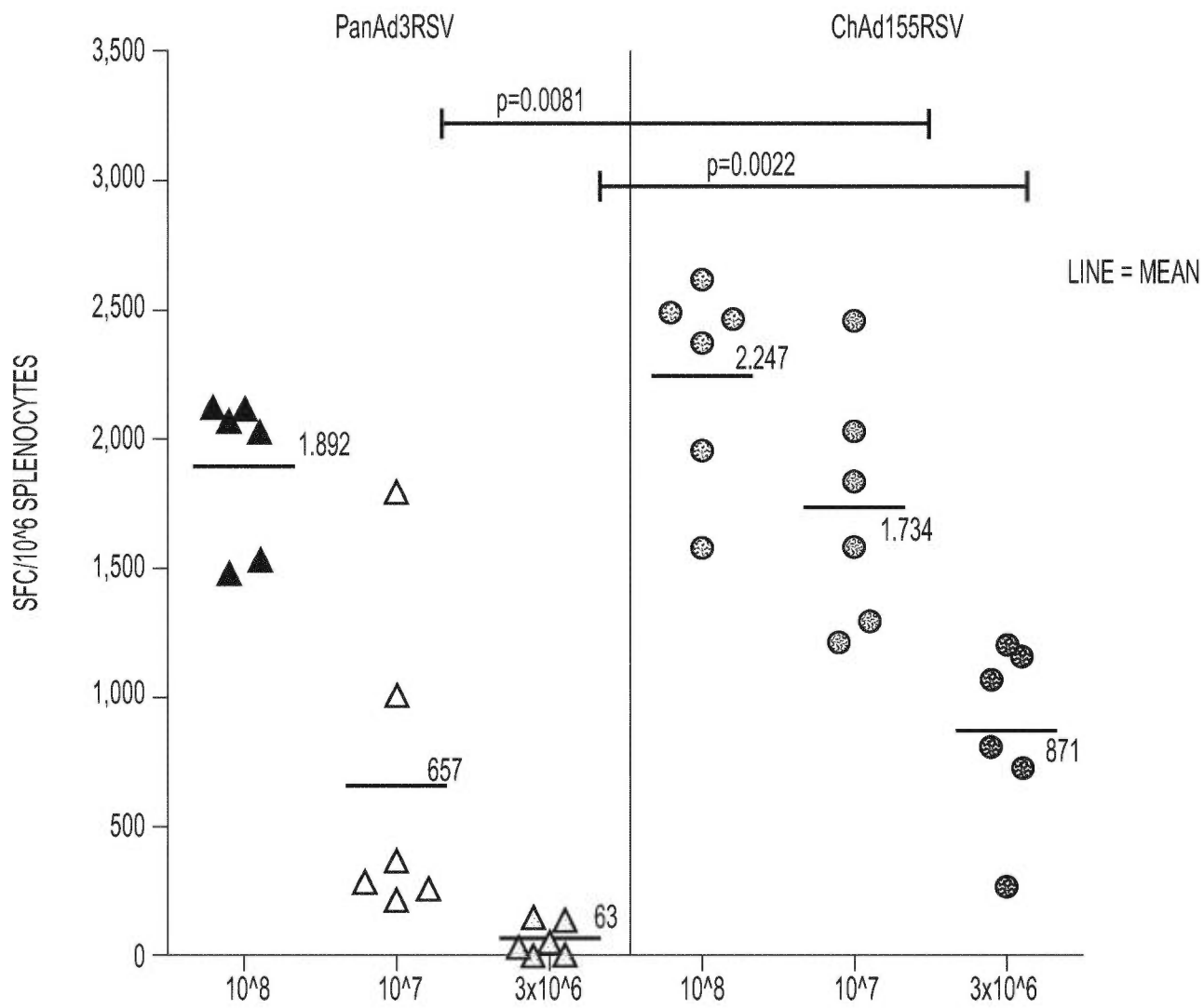


FIG. 13