

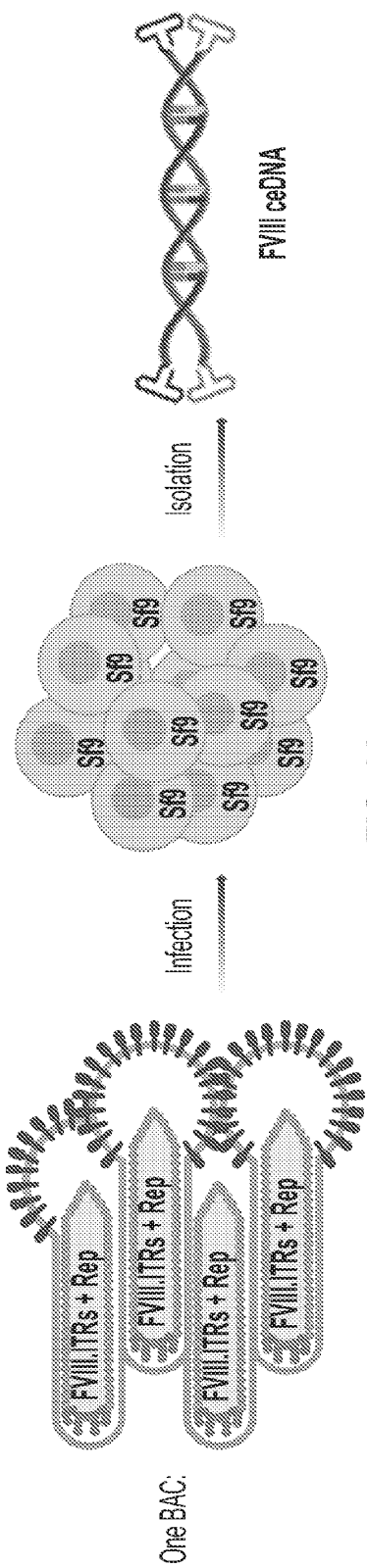


FIG. 1A

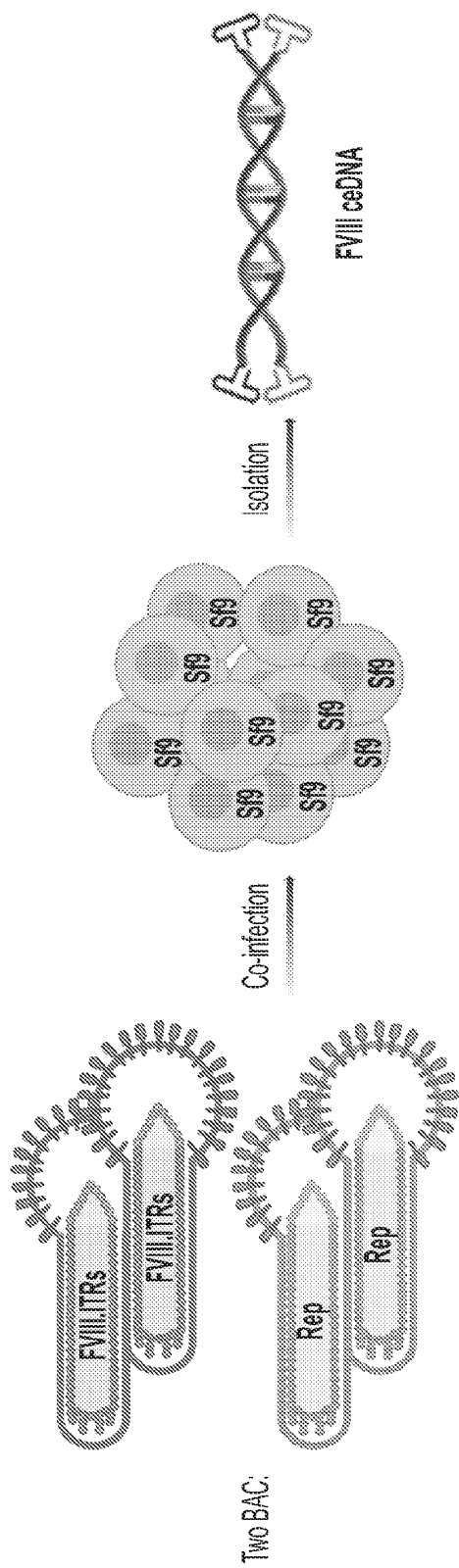


FIG. 1B

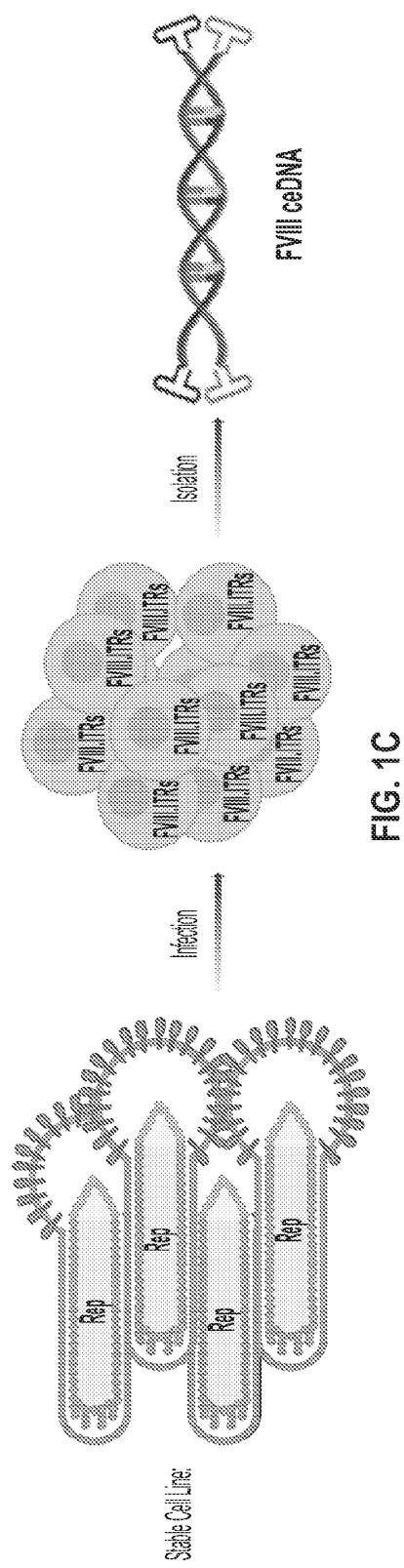


FIG. 1C

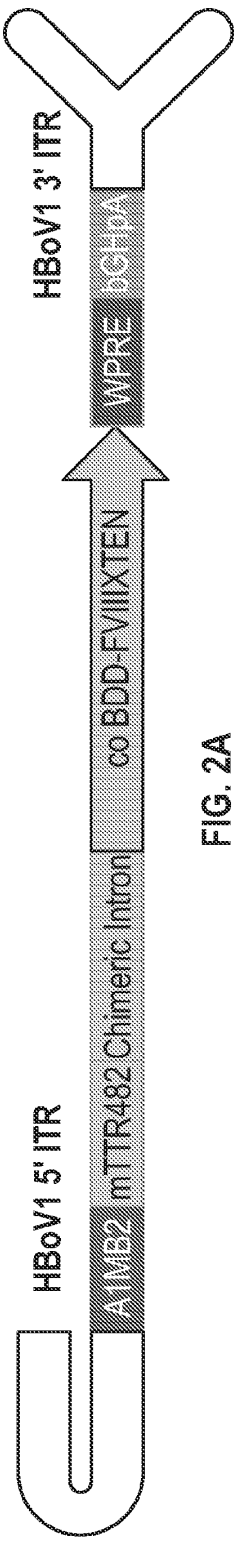


FIG. 2A

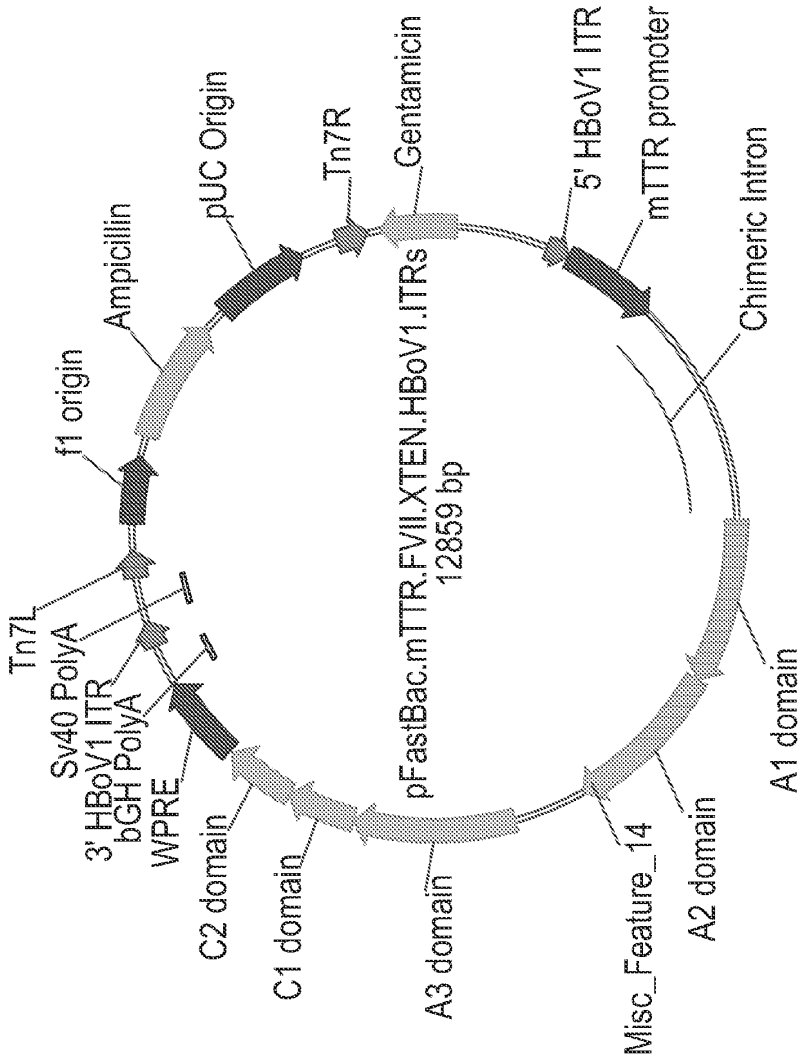
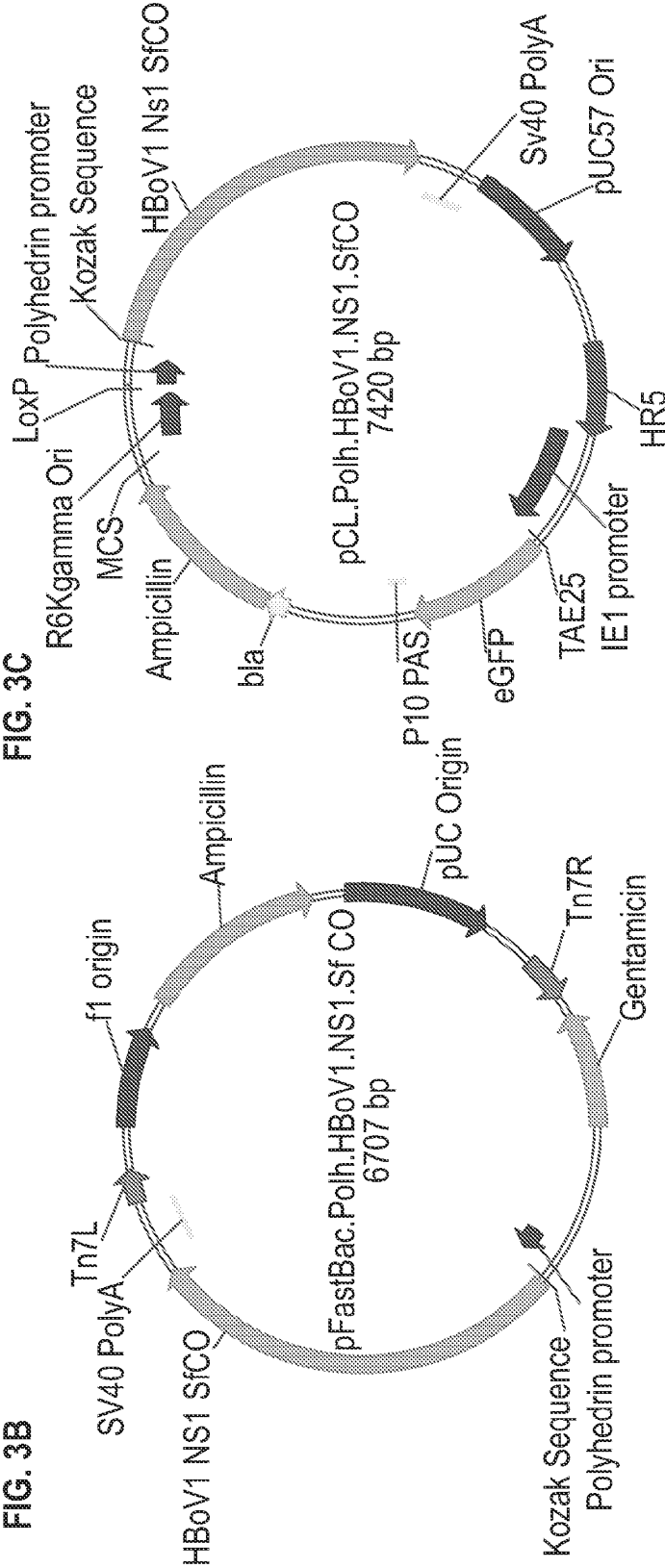
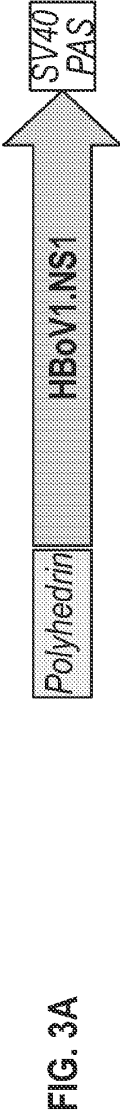
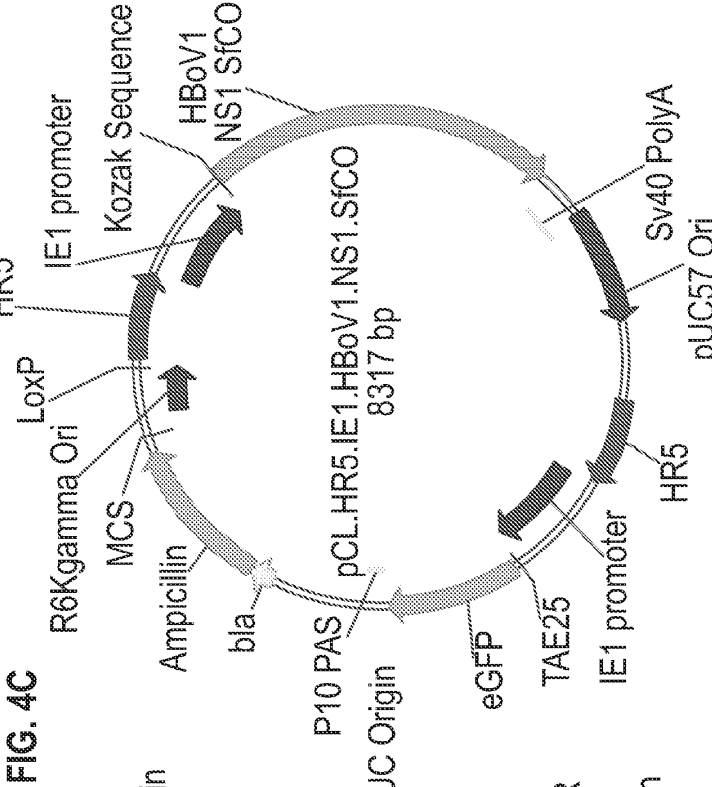
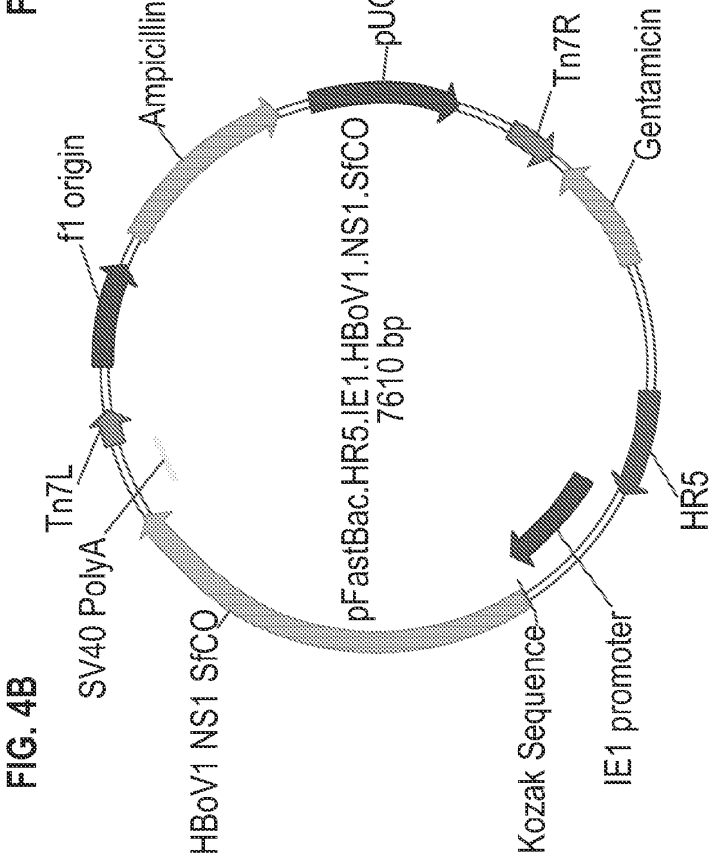
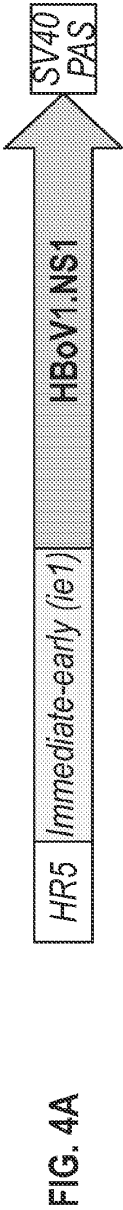
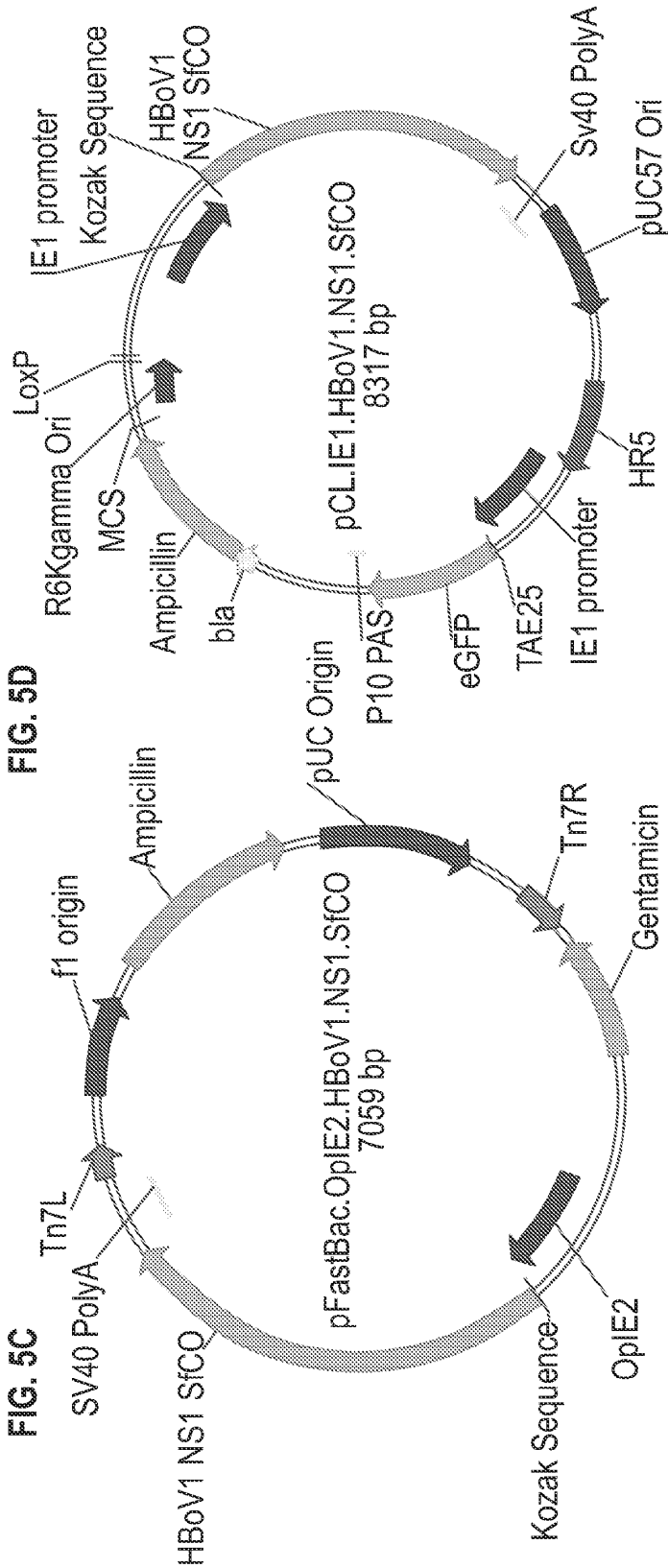
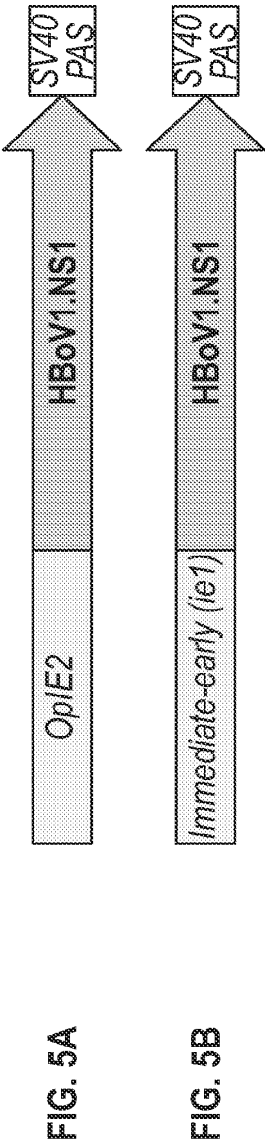


FIG. 2B







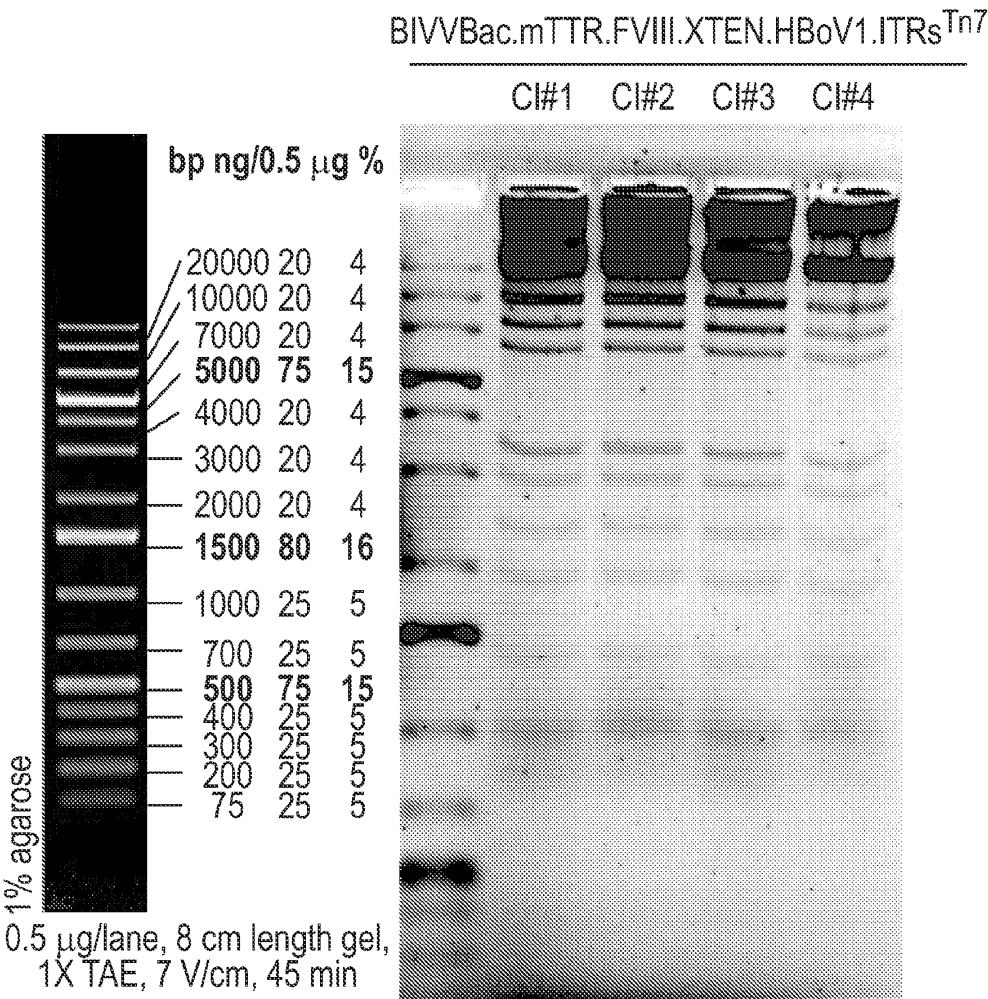


FIG. 6A

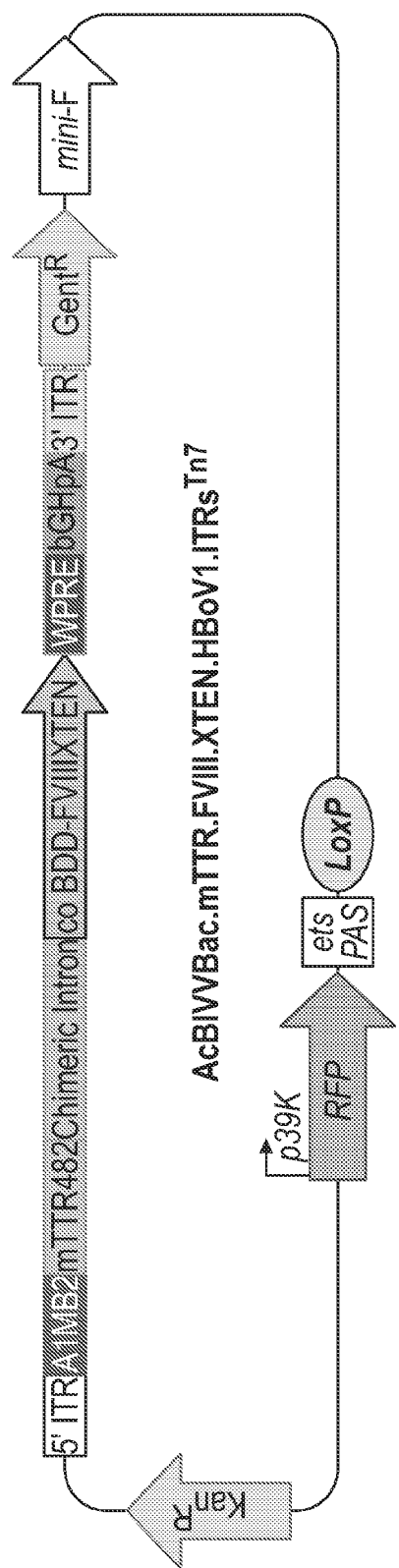


FIG. 6B

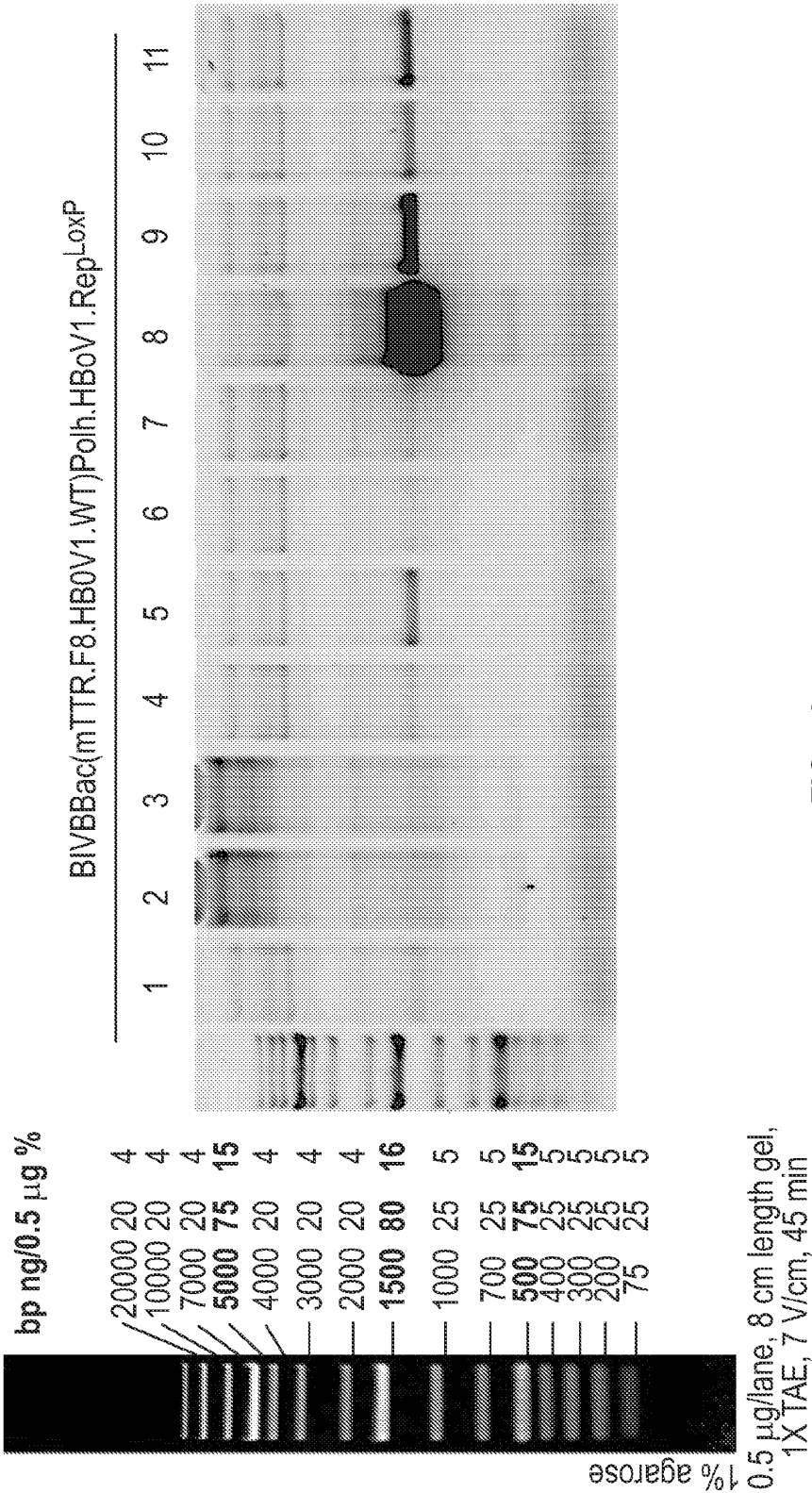


FIG. 7A

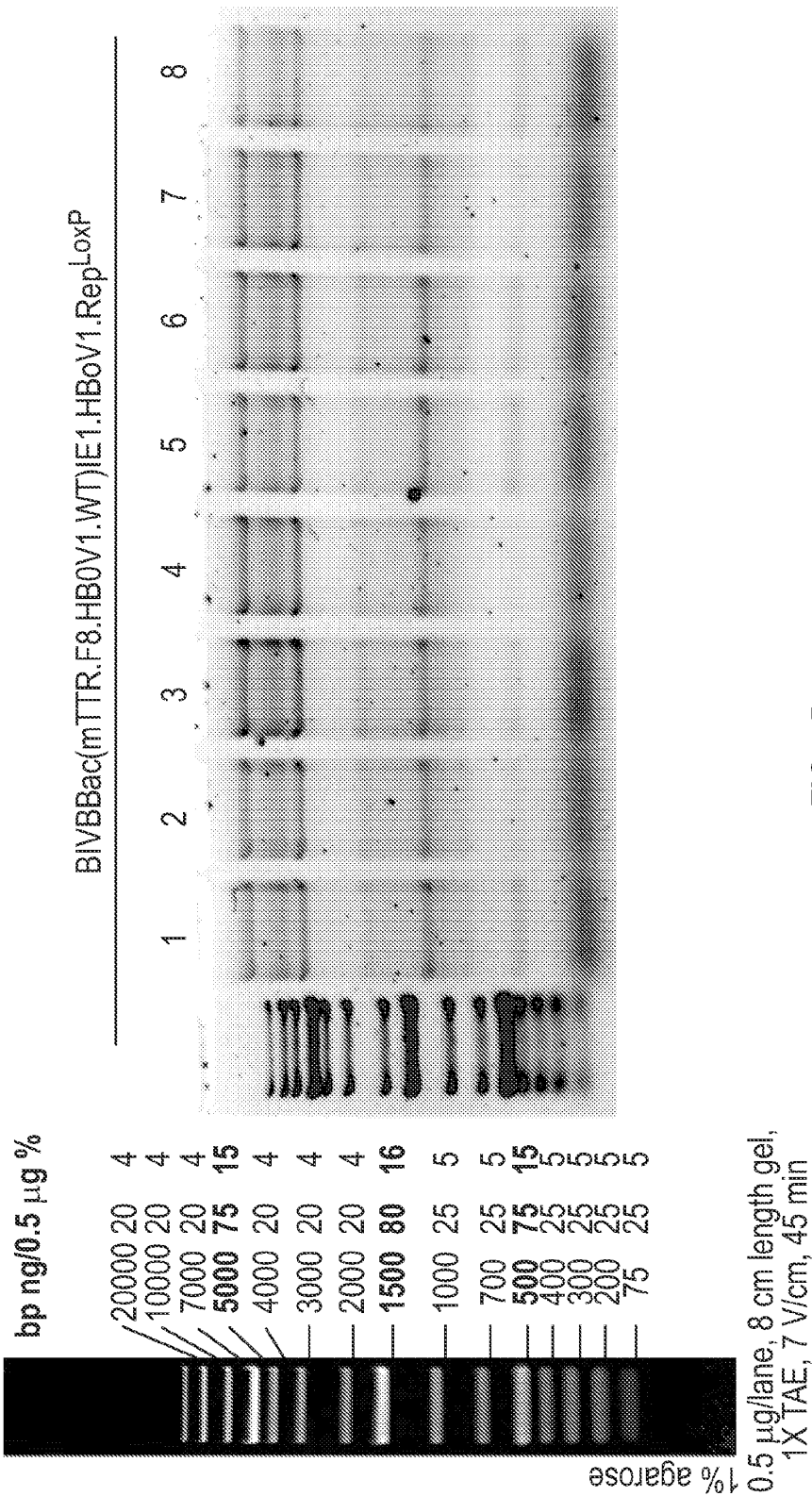


FIG. 7B

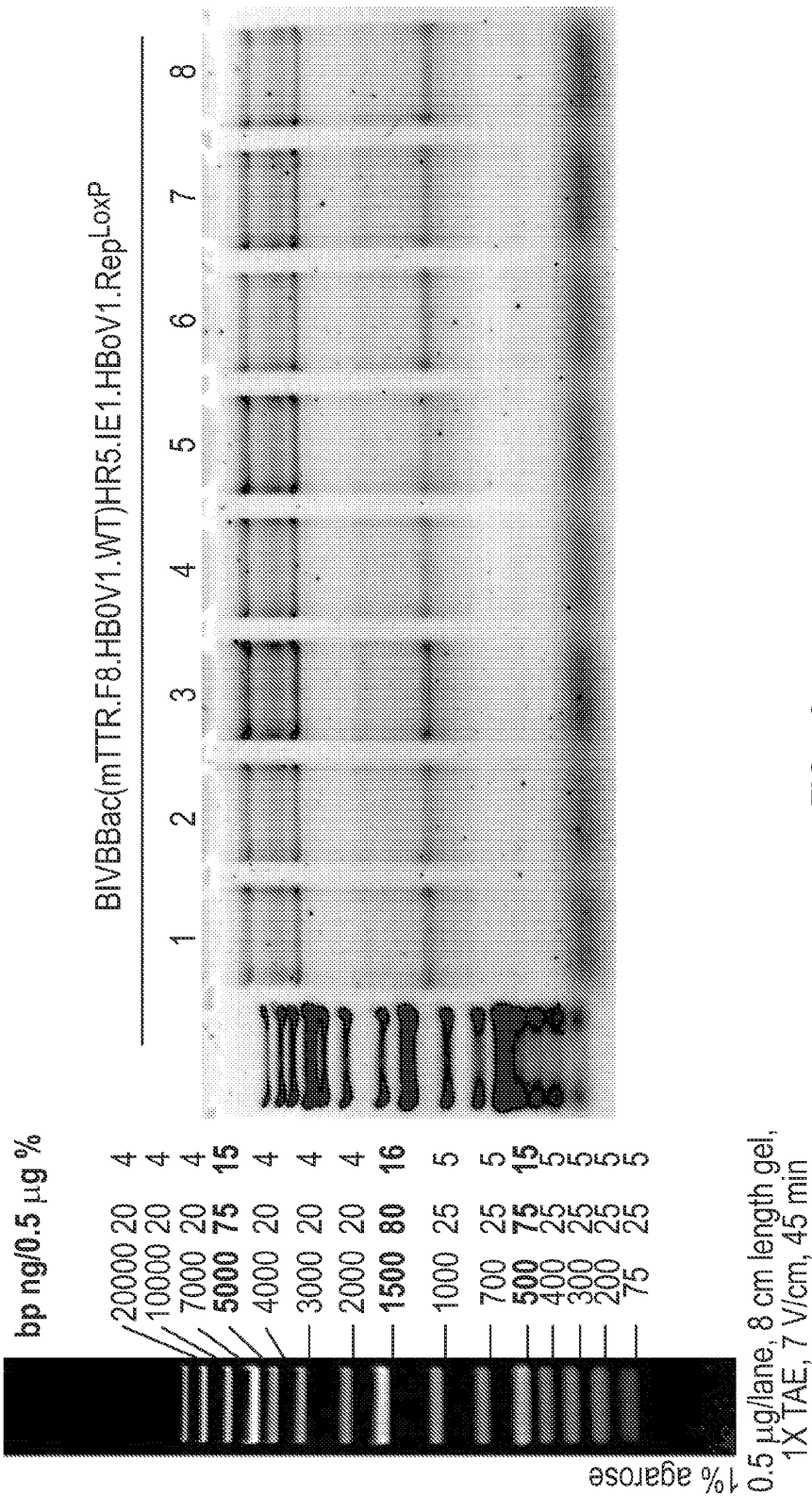


FIG. 7C

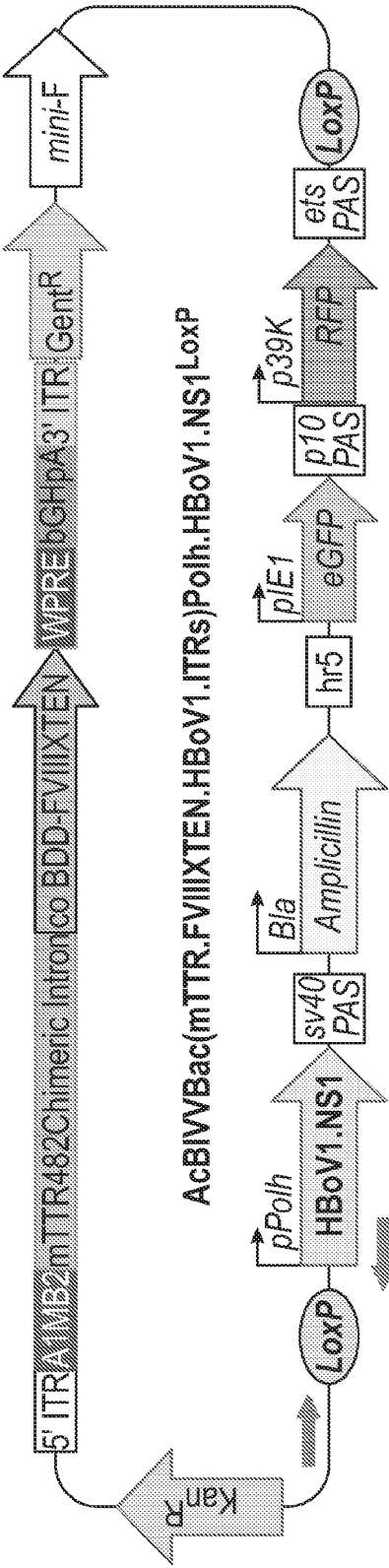


FIG. 7D

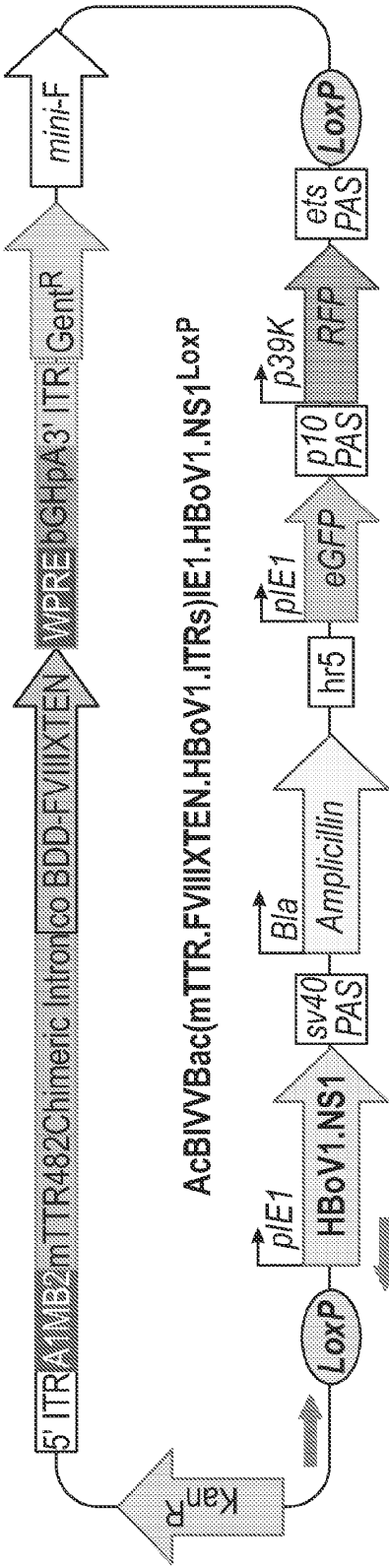


FIG. 7E

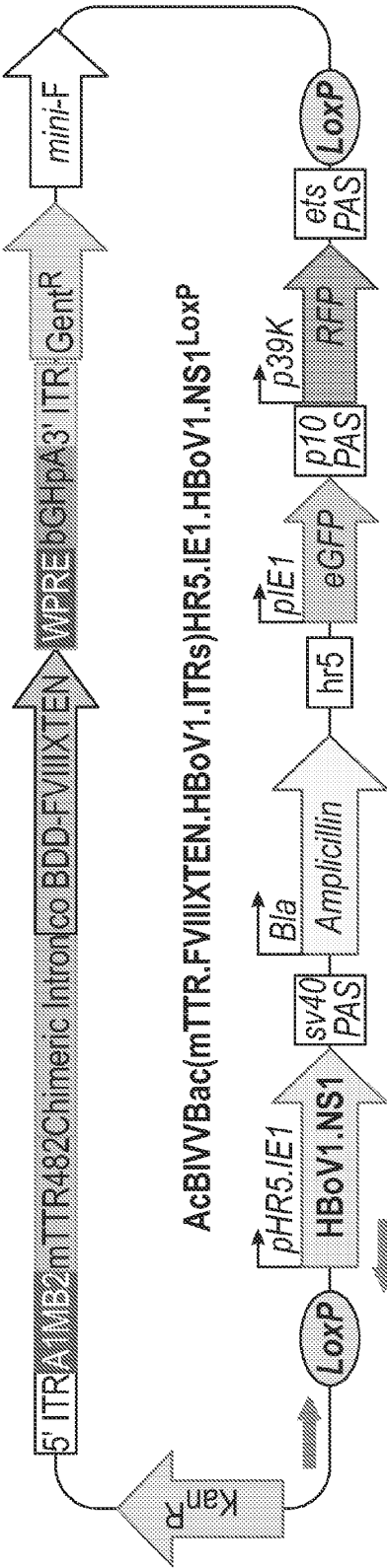


FIG. 7F

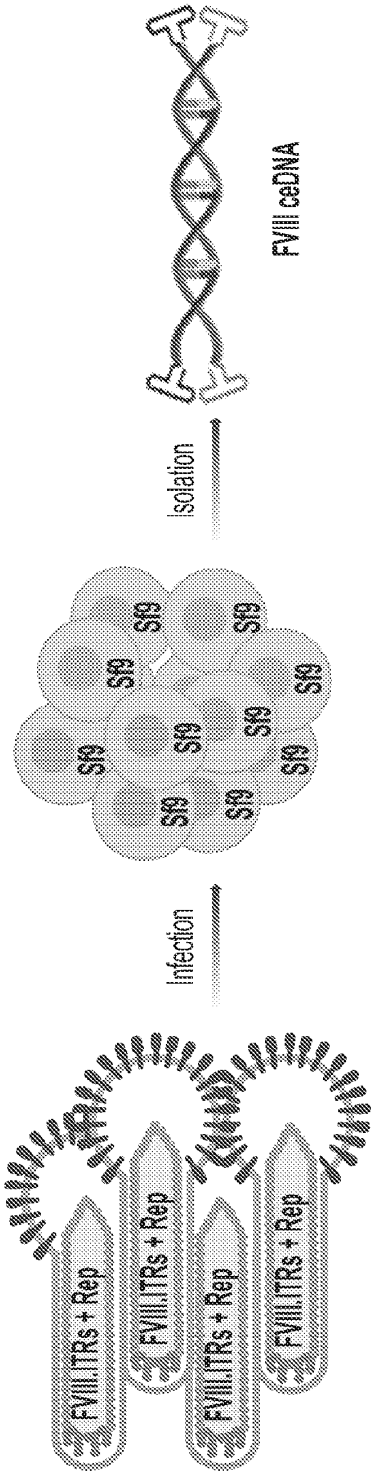
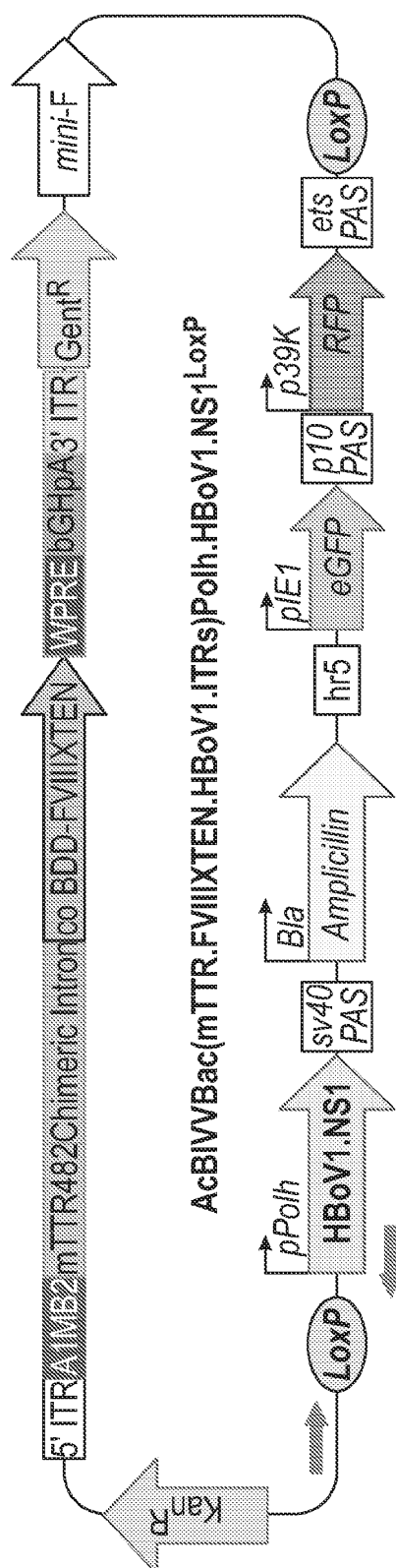


FIG. 8A



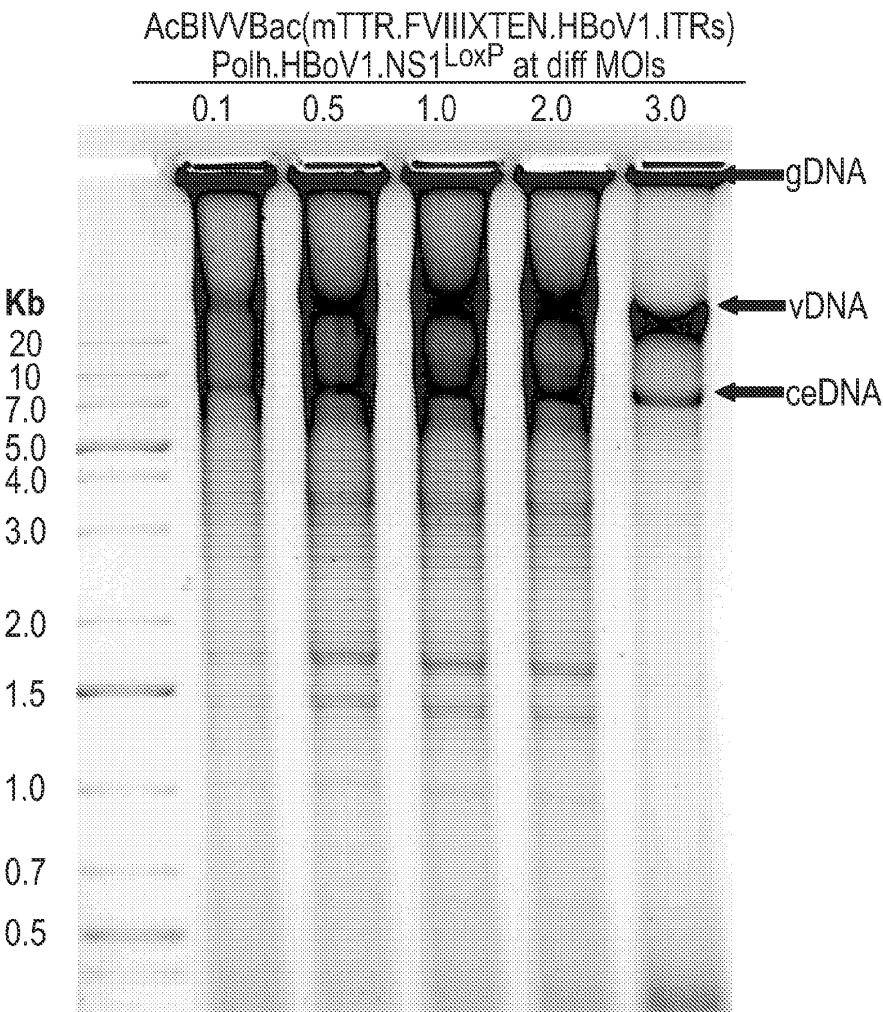


FIG. 8C

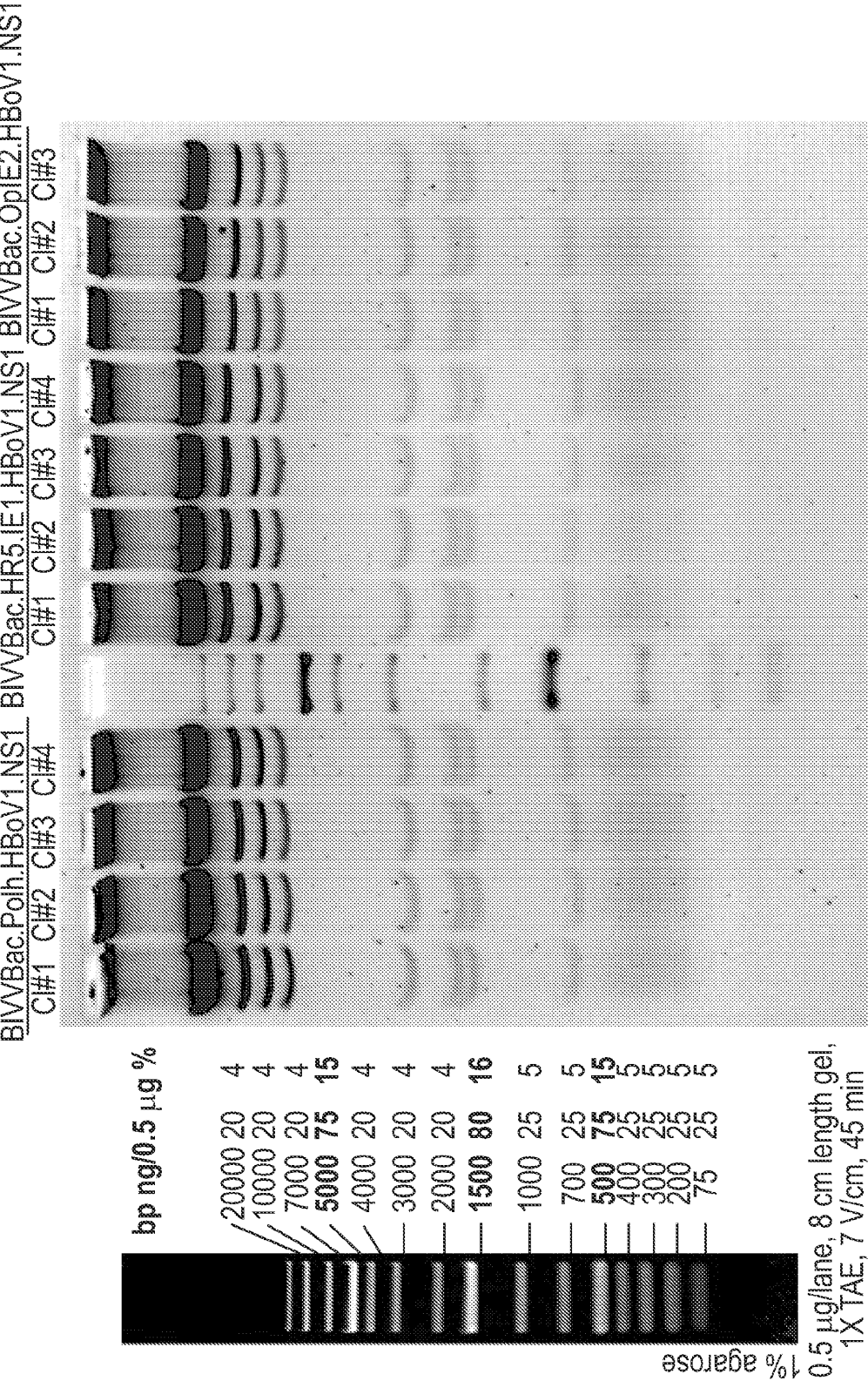


FIG. 9A

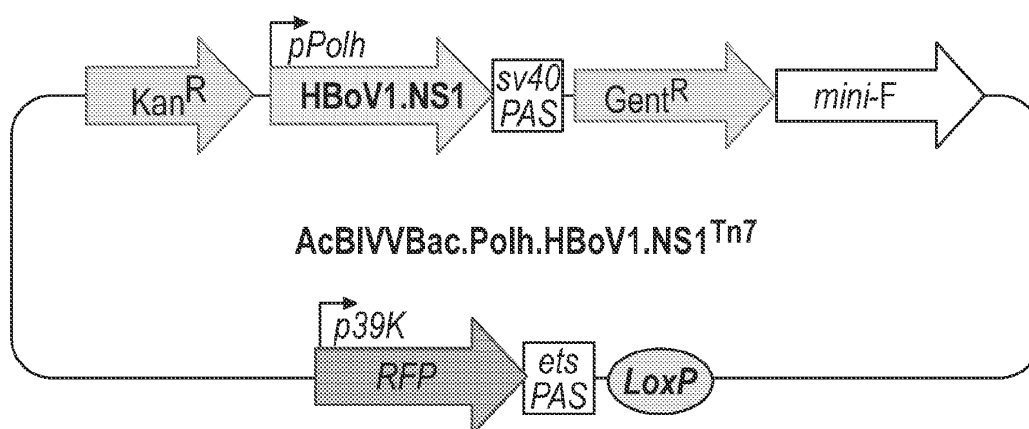


FIG. 9B

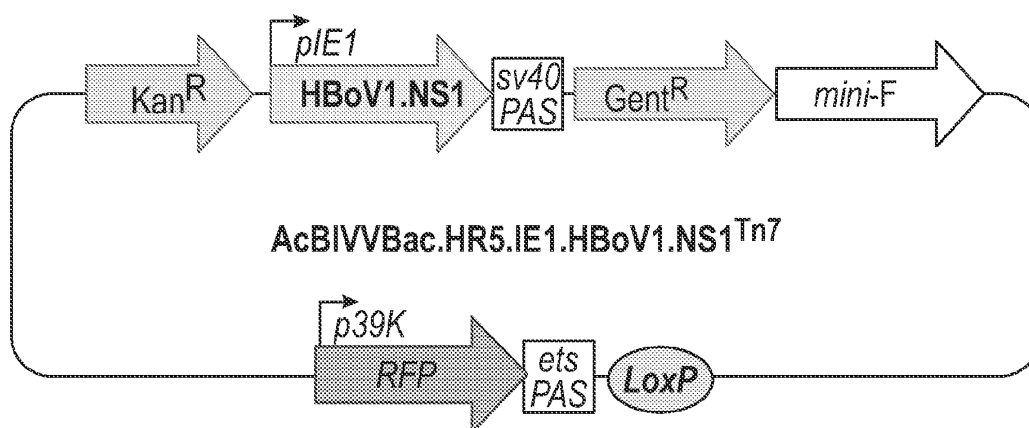


FIG. 9C

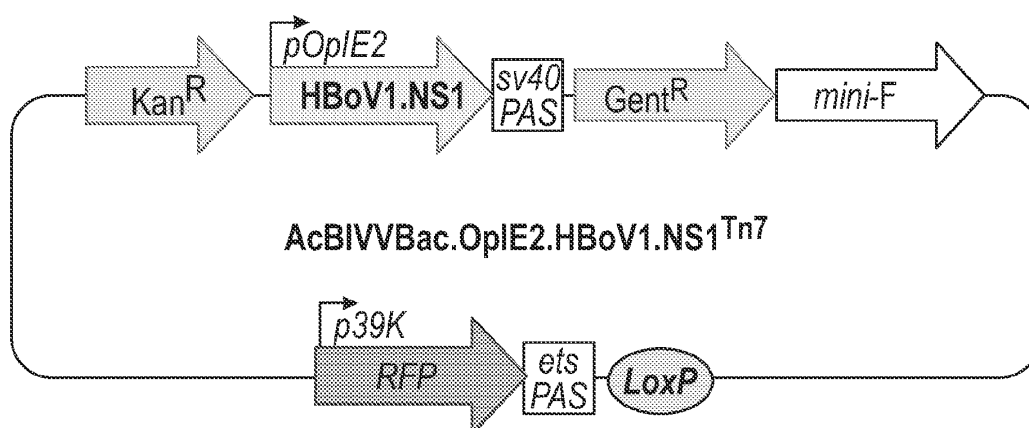


FIG. 9D

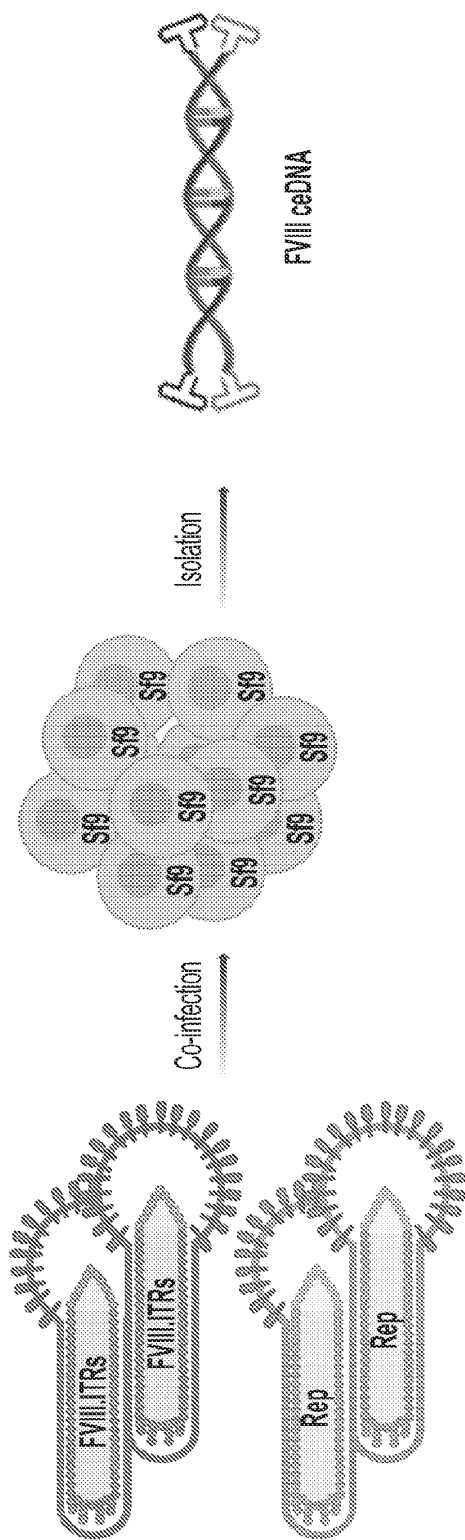


FIG. 10A

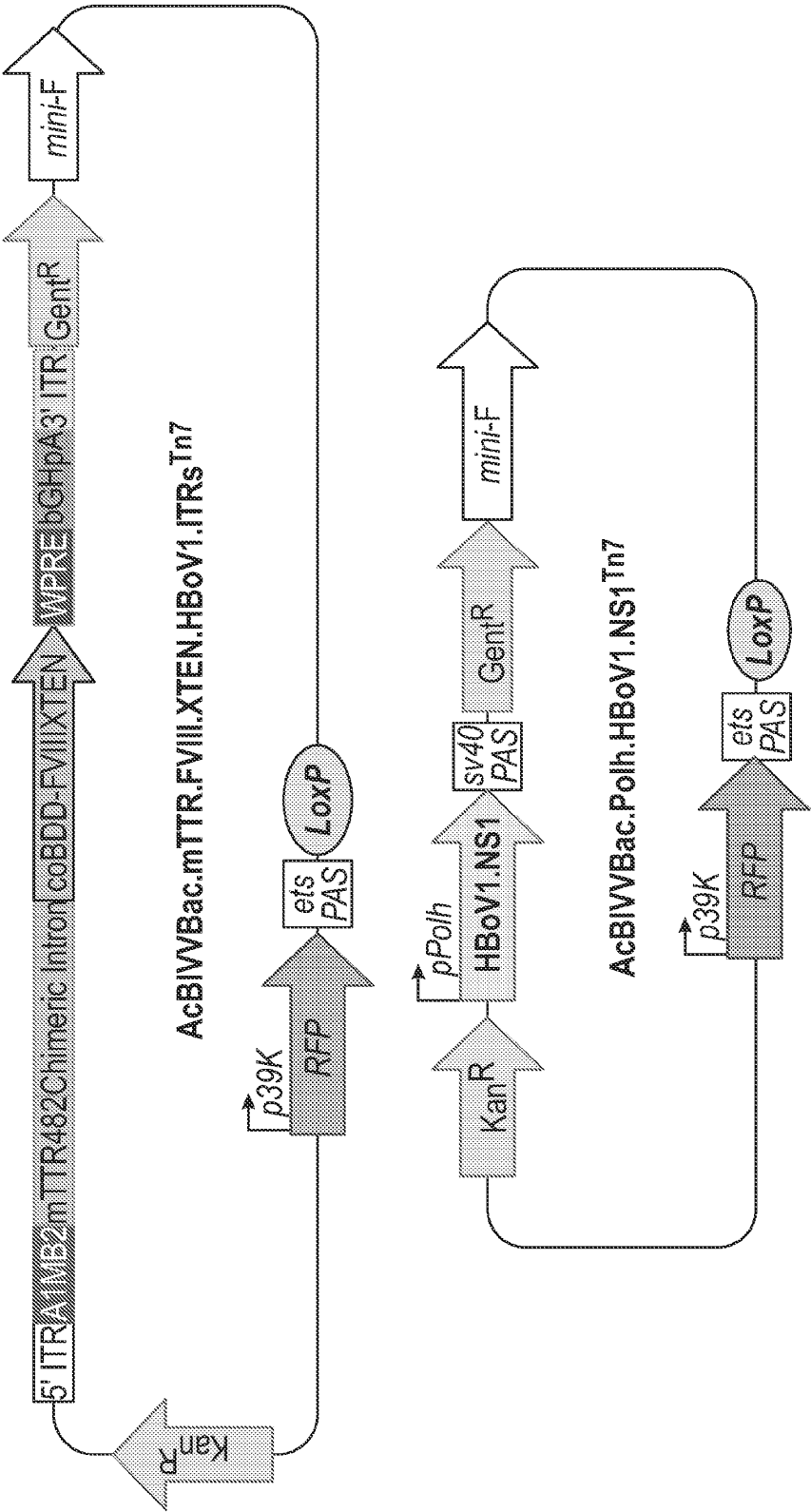


FIG. 10B

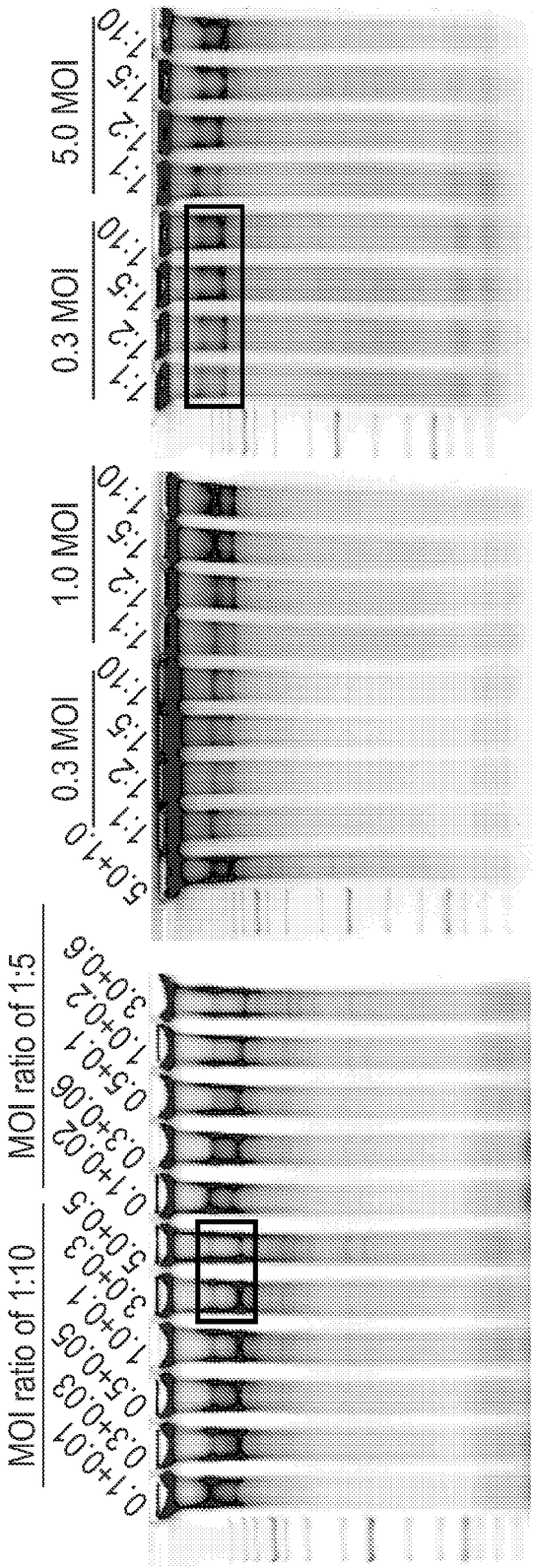


FIG. 10C

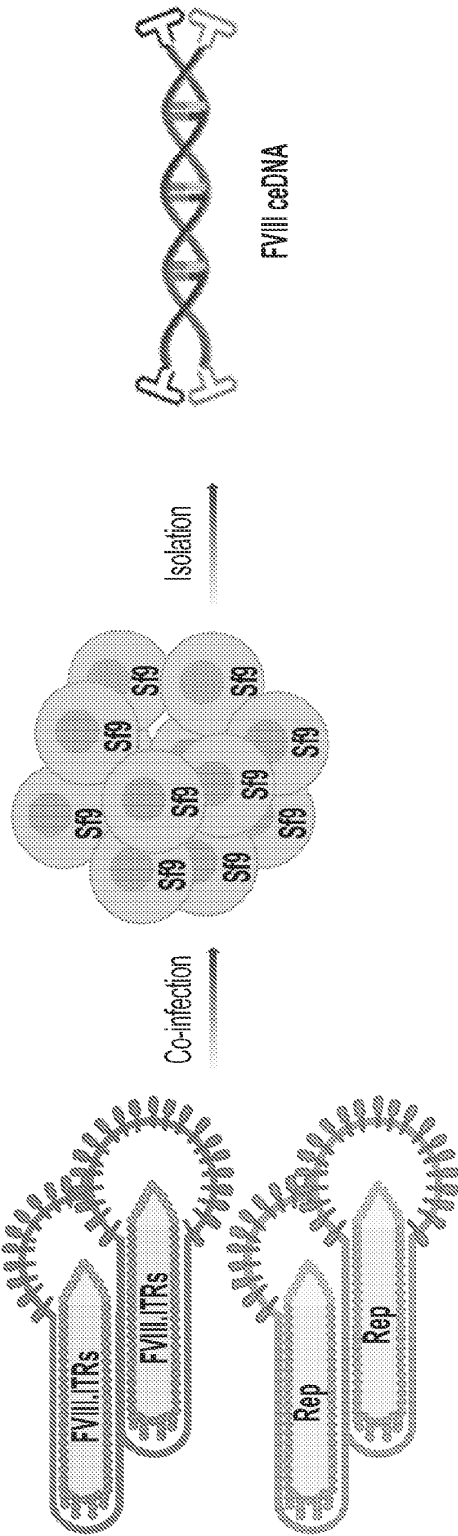


FIG. 11A

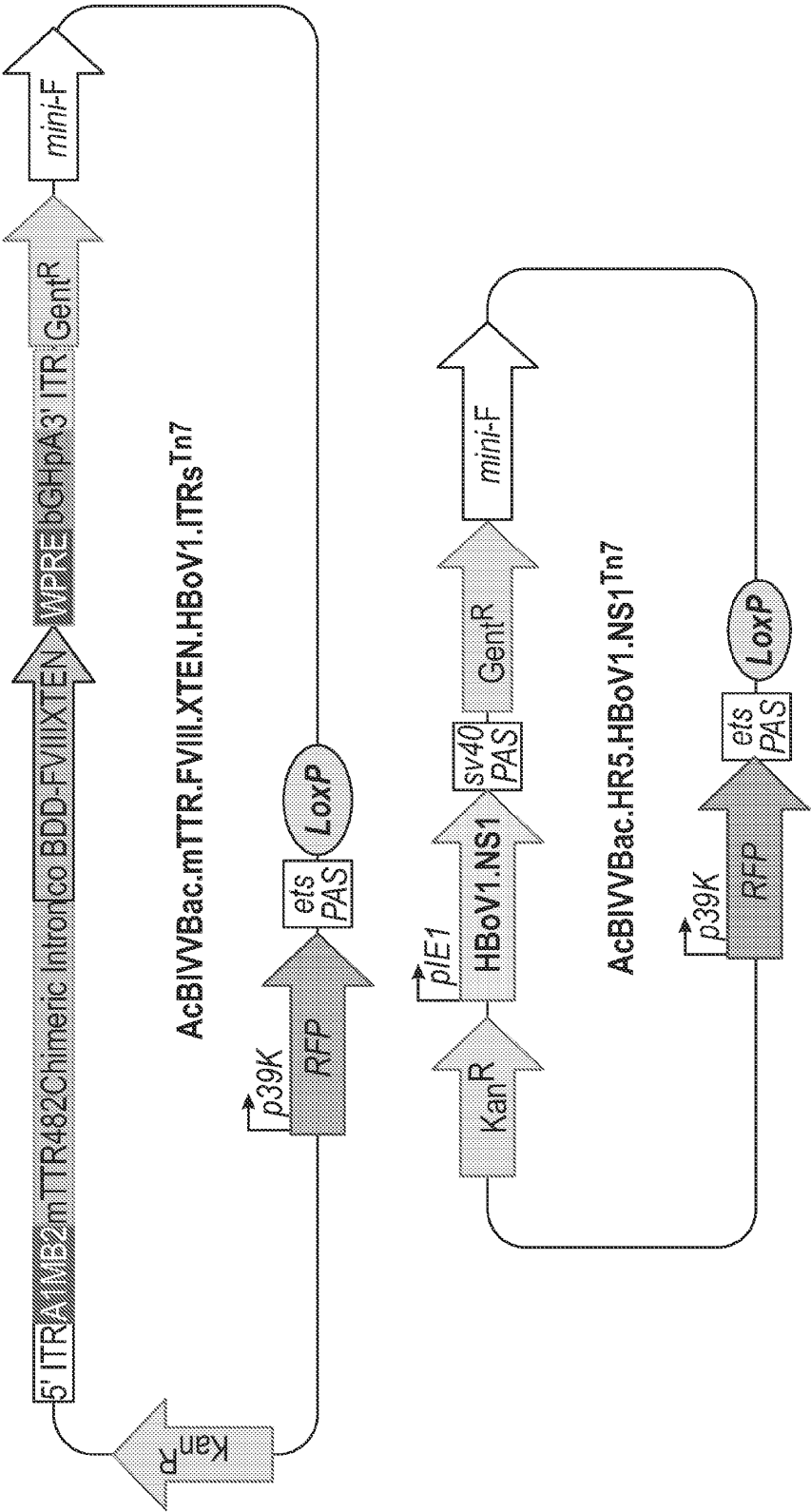


FIG. 11B

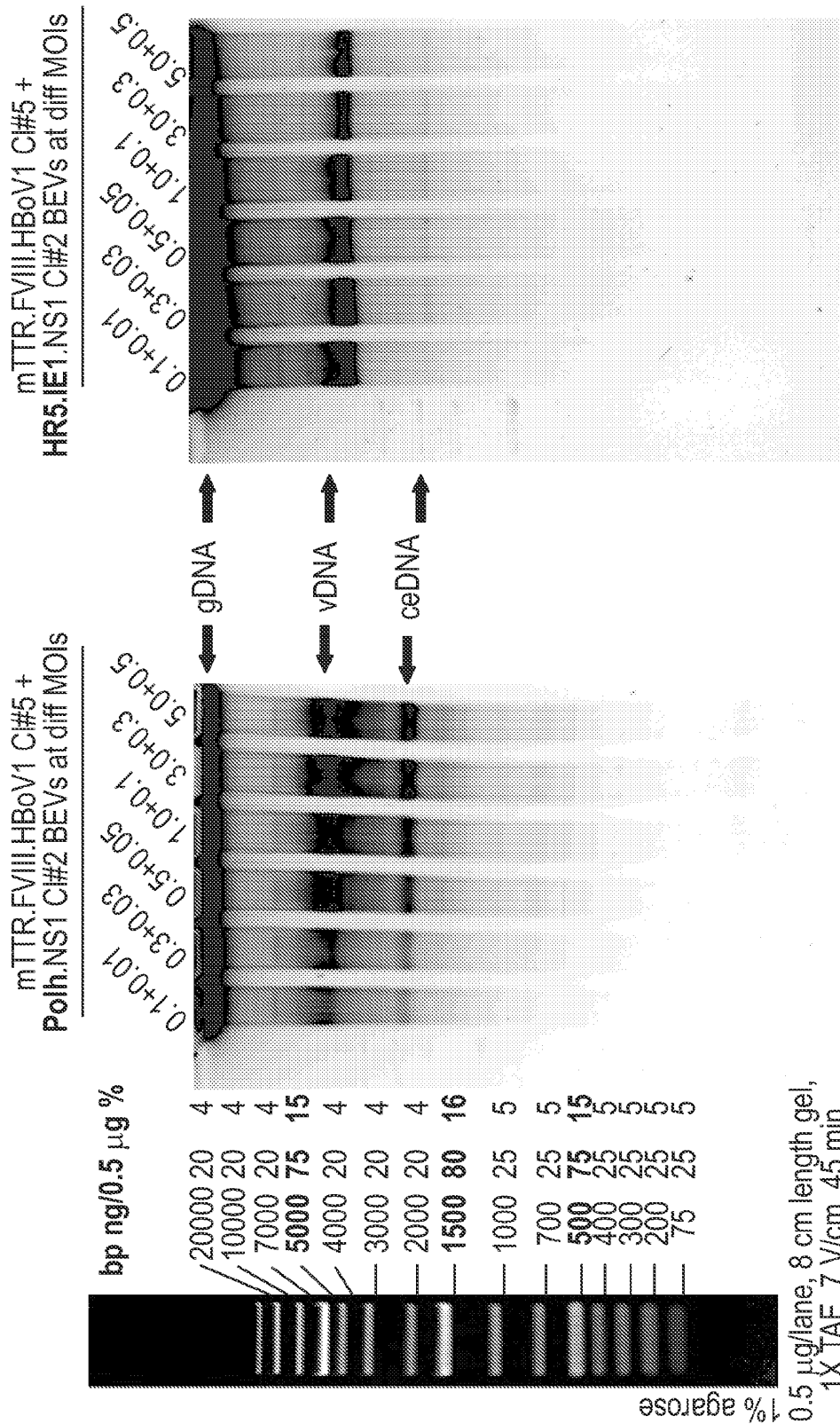
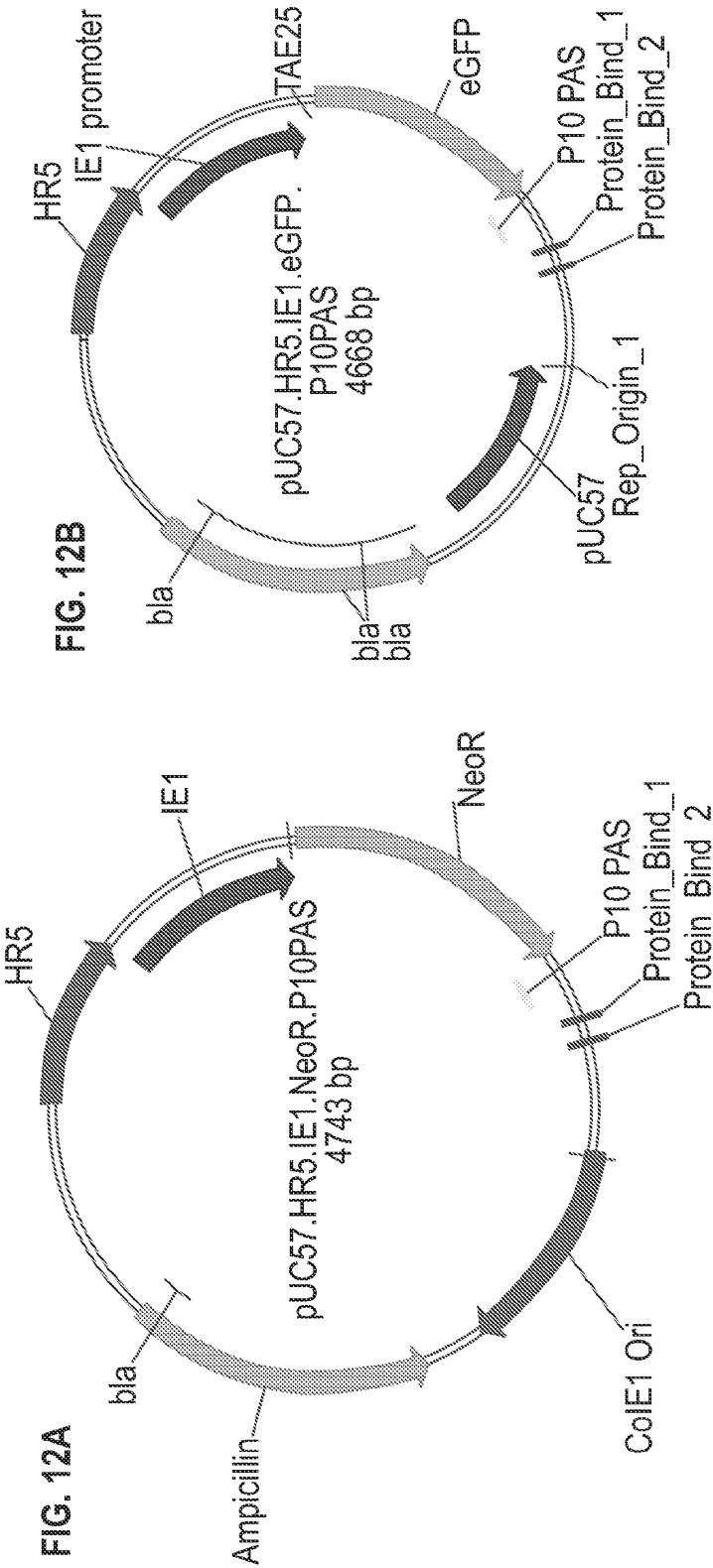
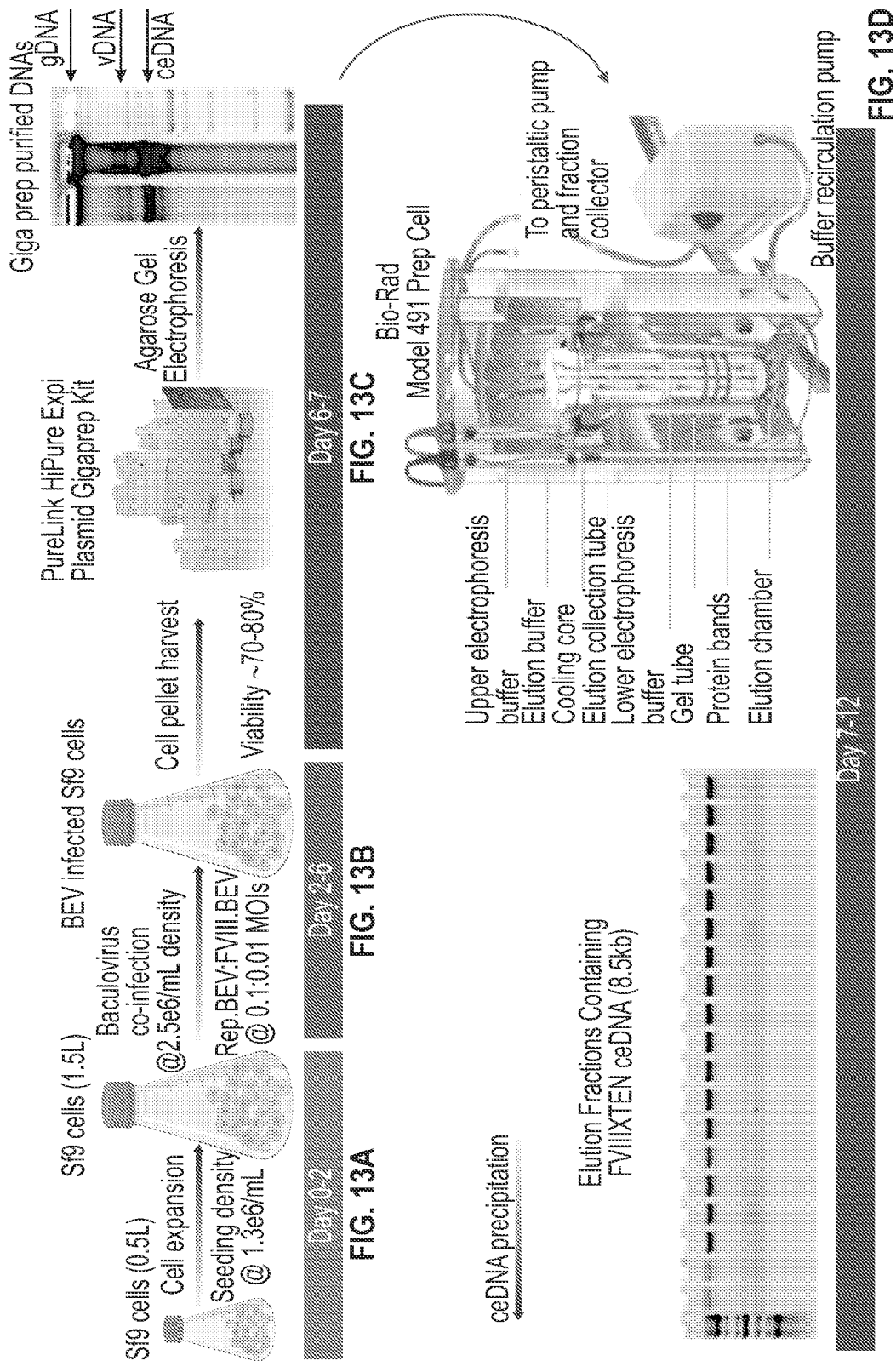


FIG. 11C





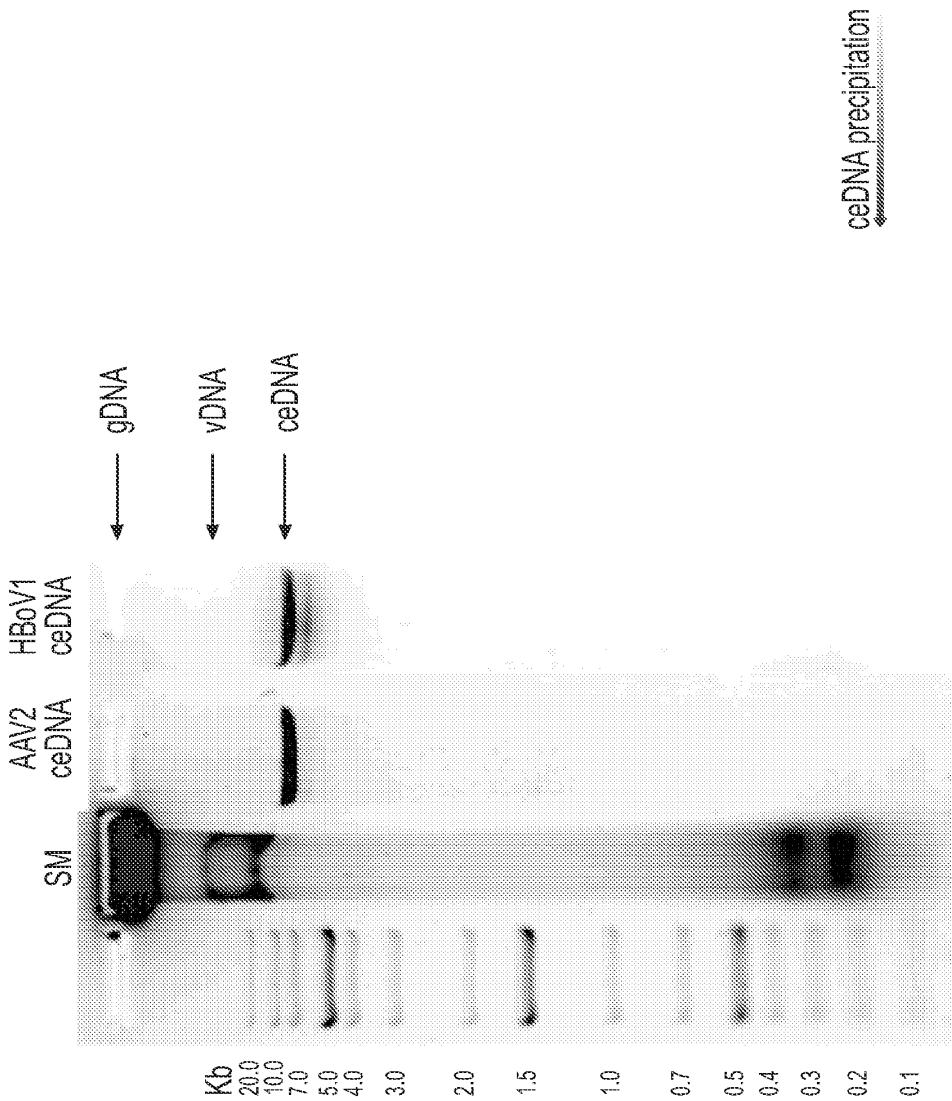


FIG. 13E

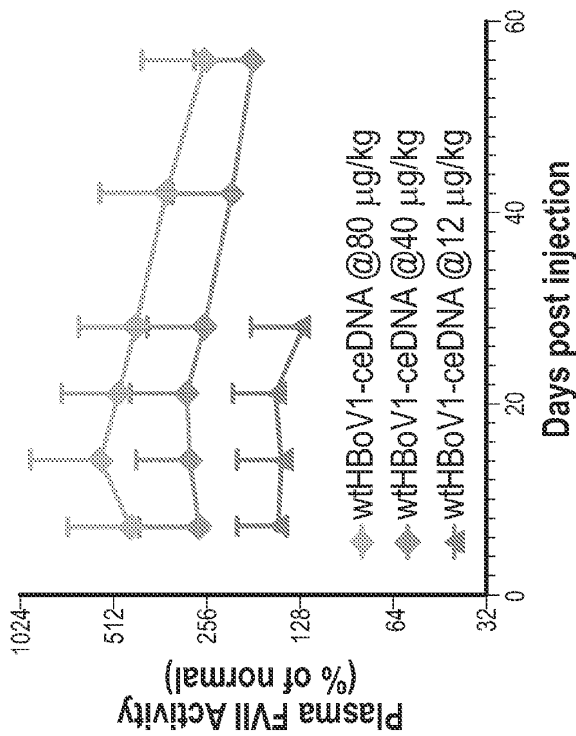


FIG. 14B

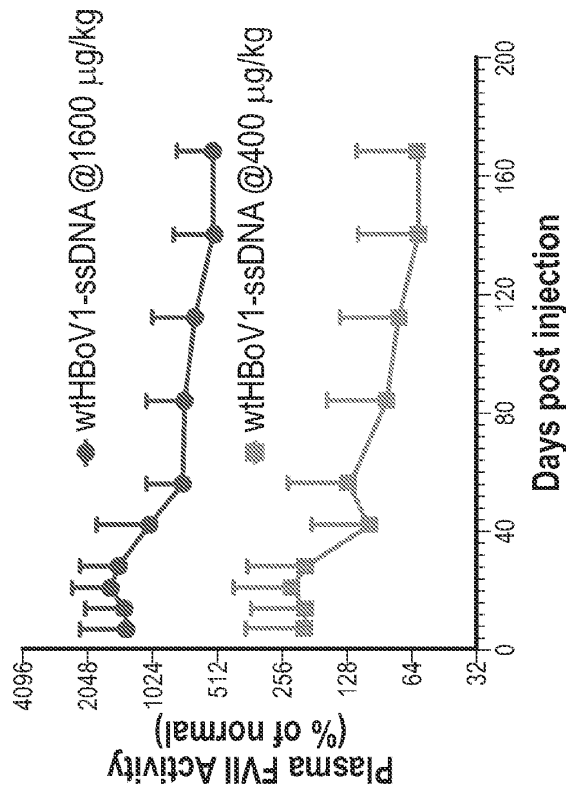
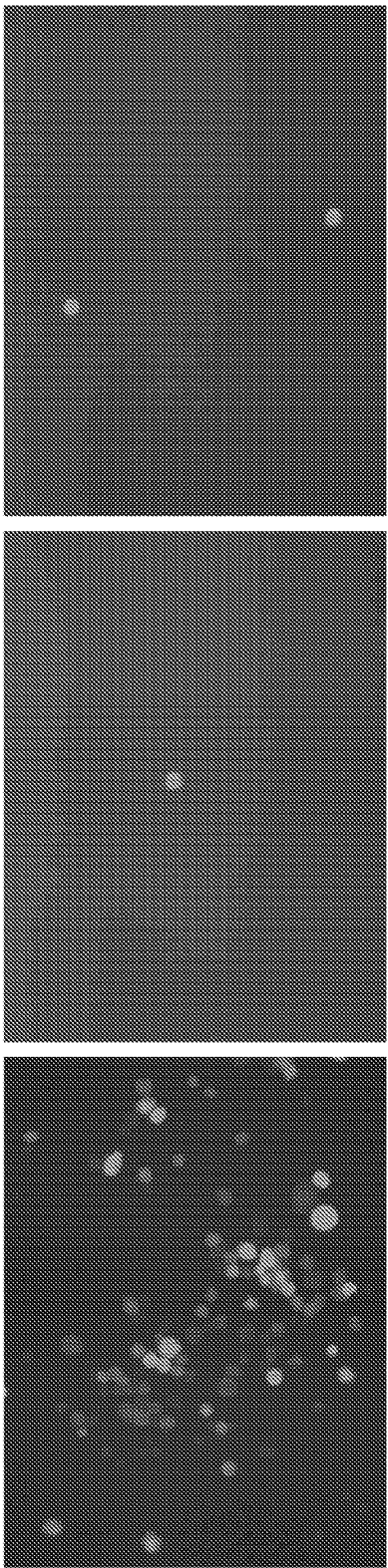


FIG. 14A



AcBIVVBac.Polh.HBoV1.NS1^{Tn7}
+ sgRNA.VP80.T2

AcBIVVBac.Polh.HBoV1.NS1^{Tn7}
+ sgRNA.VP80.T1

AcBIVVBac.Polh.HBoV1.NS1^{Tn7}
+ Cas9 alone

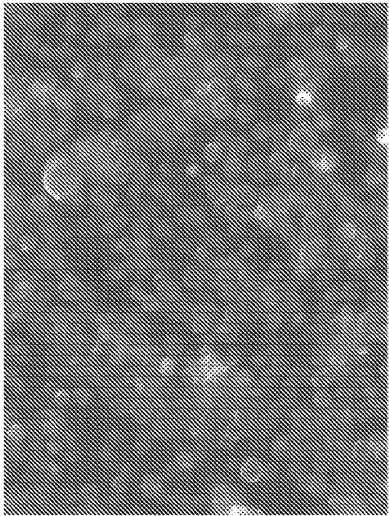
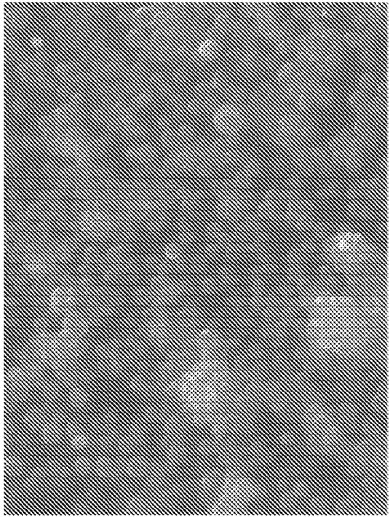
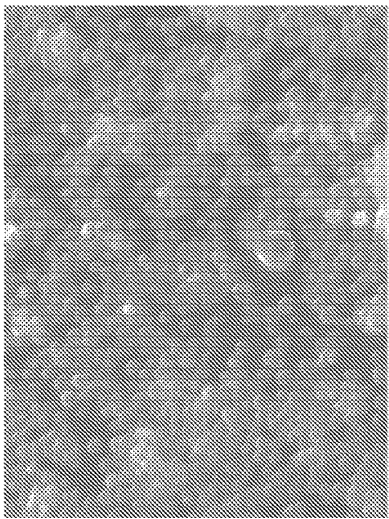
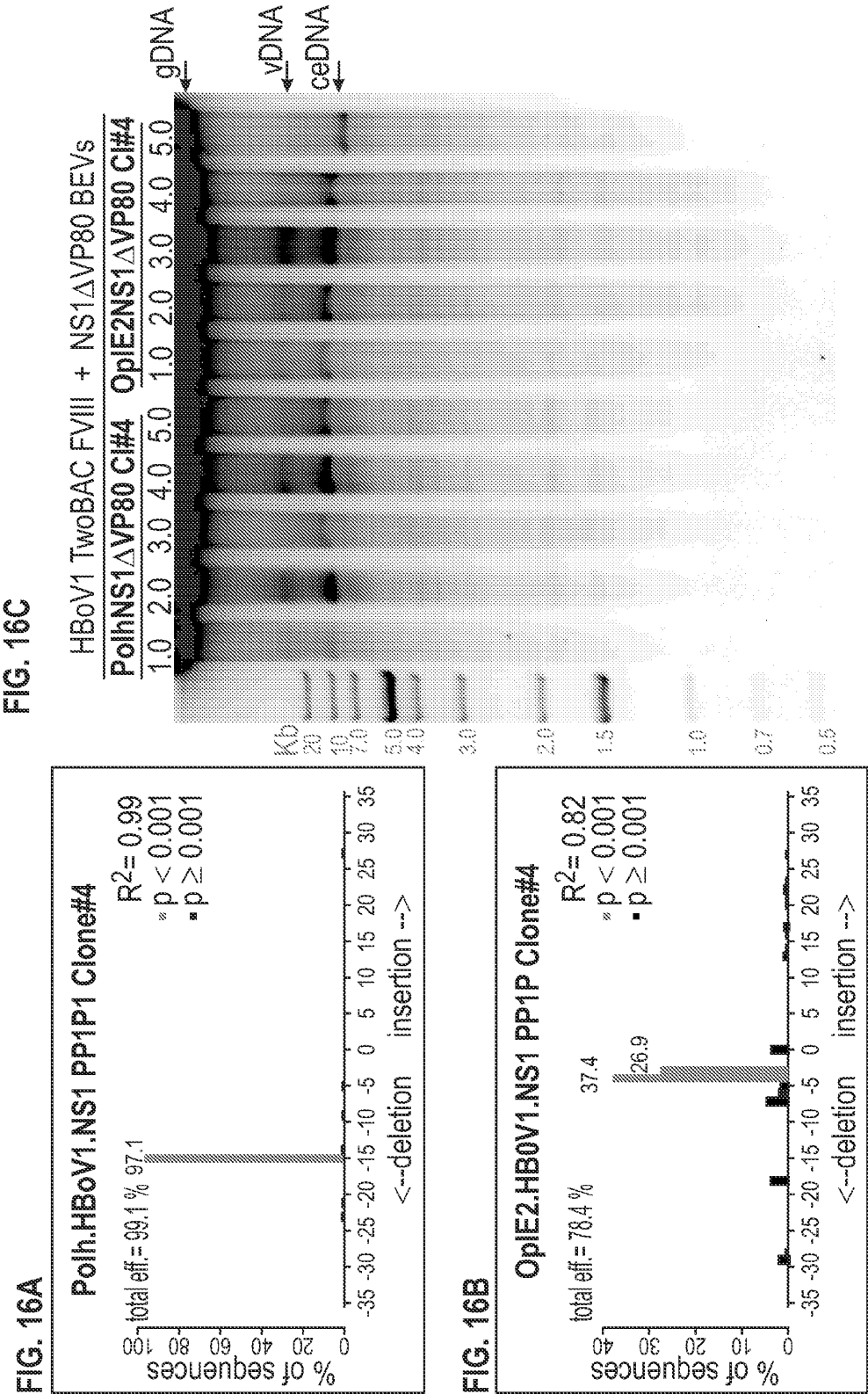


FIG. 15C

FIG. 15B

FIG. 15A



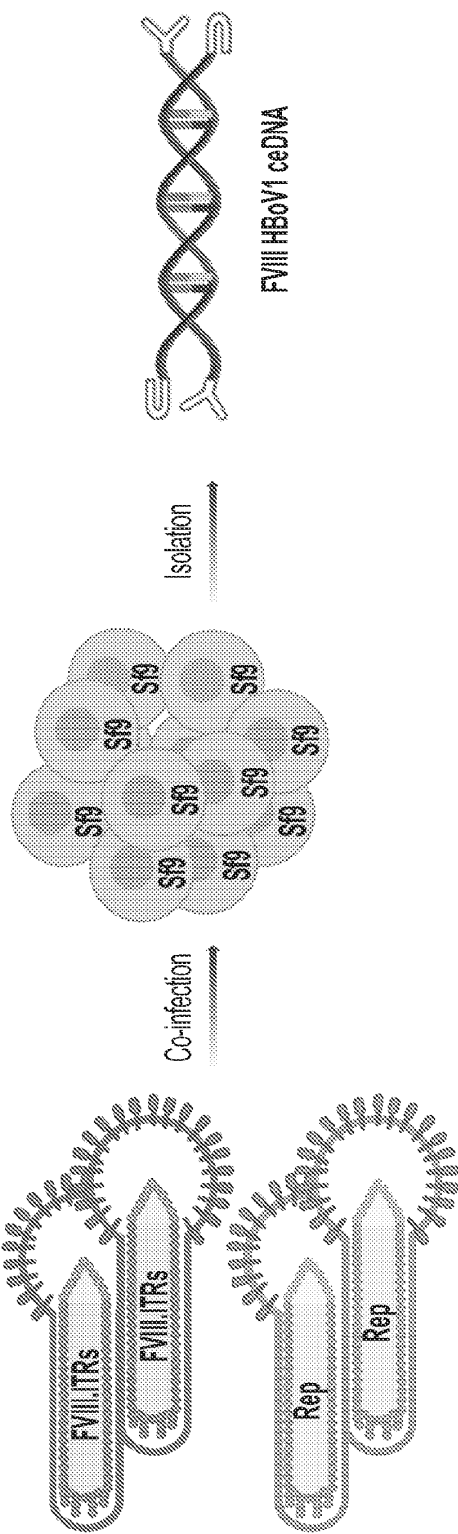
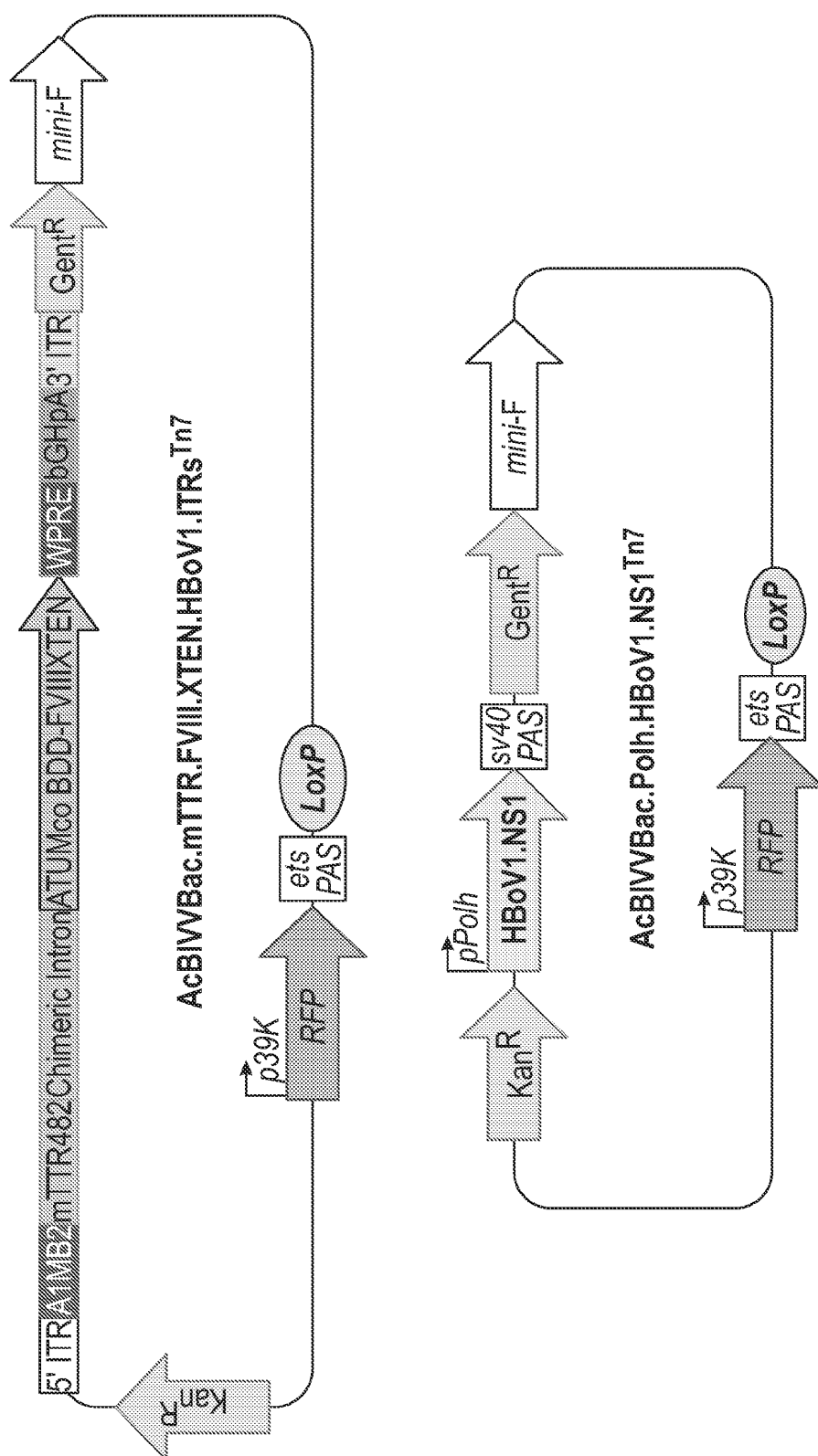


FIG. 17A



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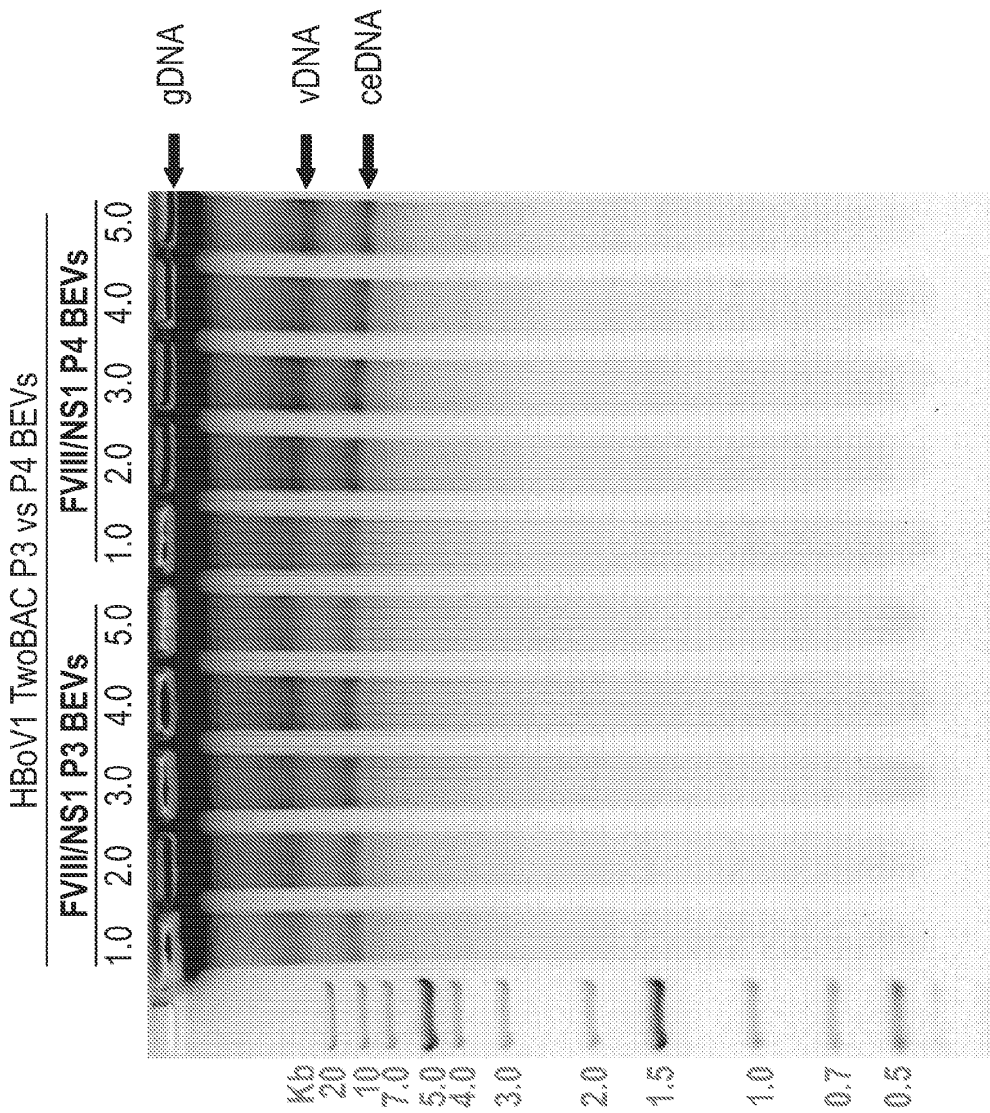


FIG. 17C

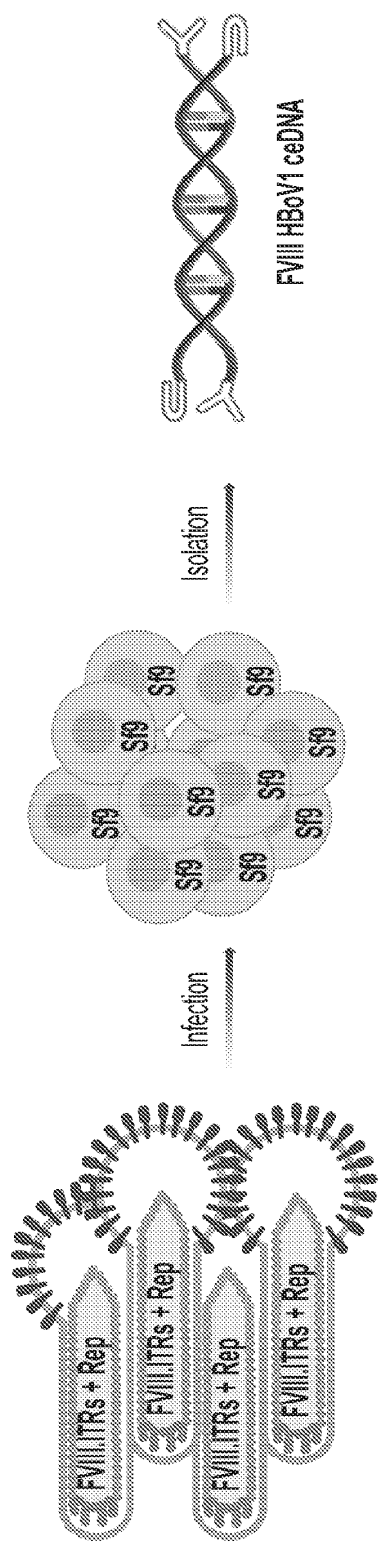


FIG. 18A

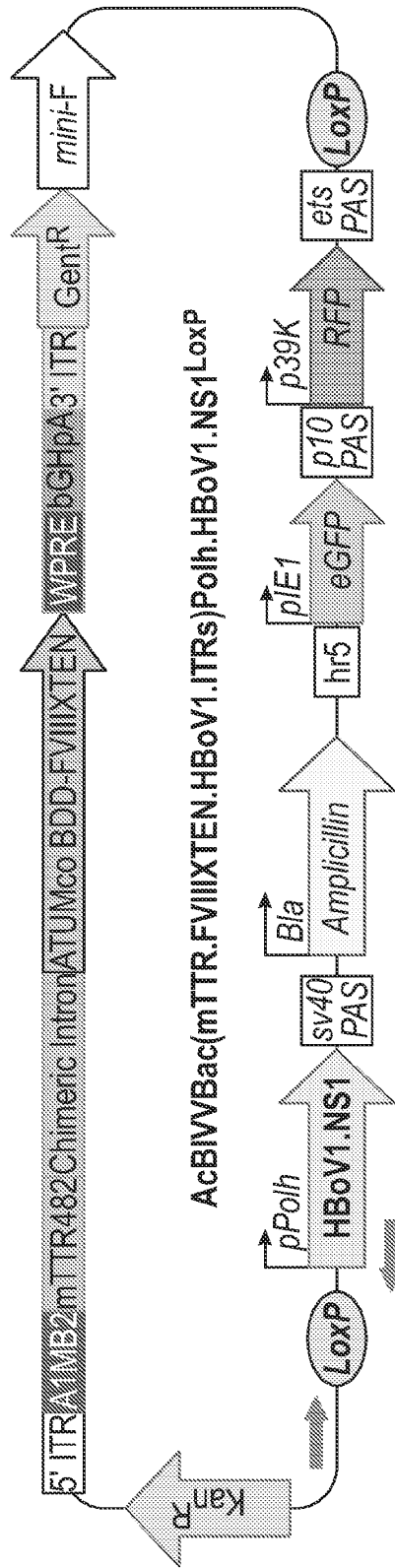


FIG. 18B

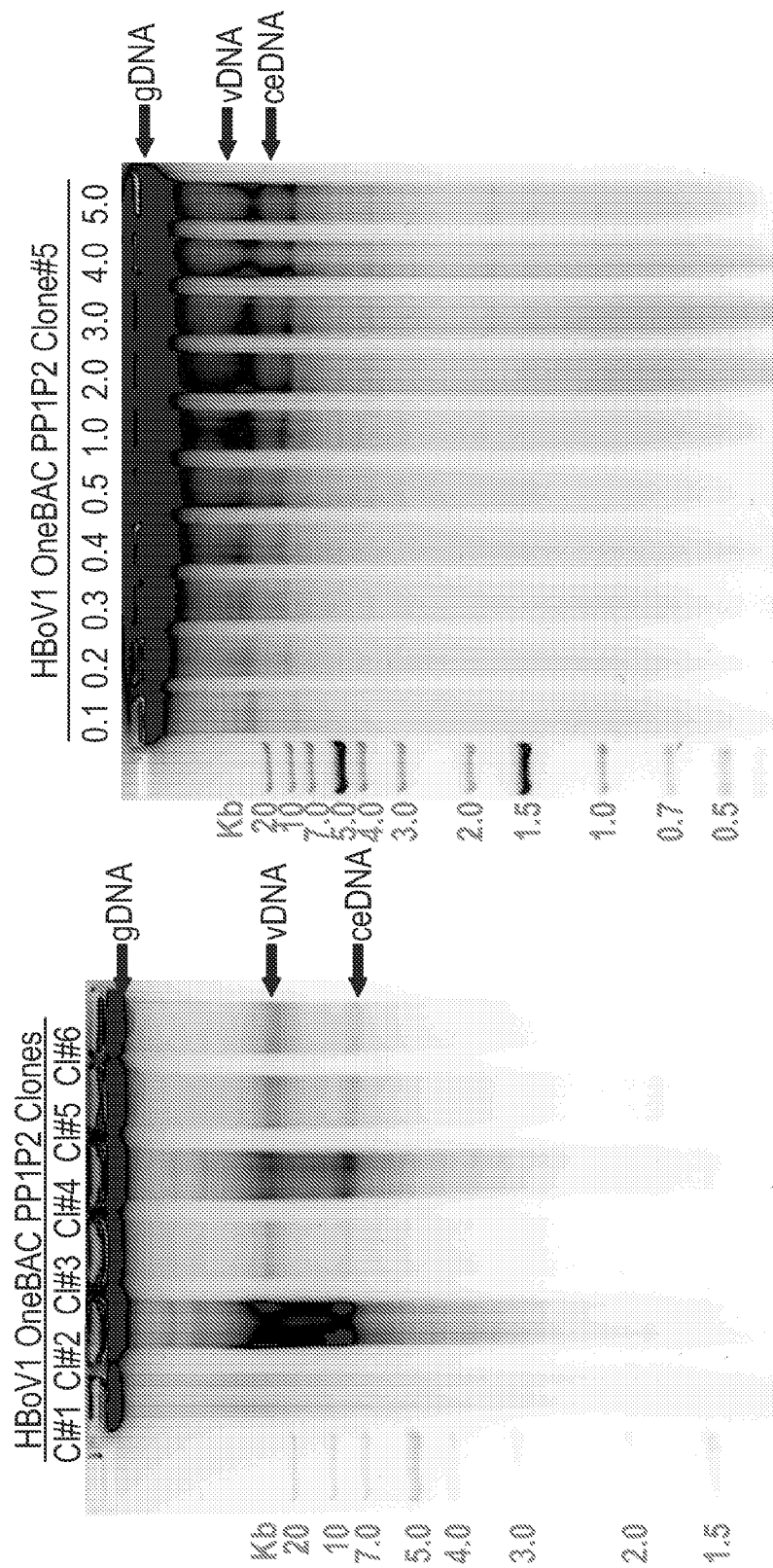


FIG. 18C

FIG. 18D

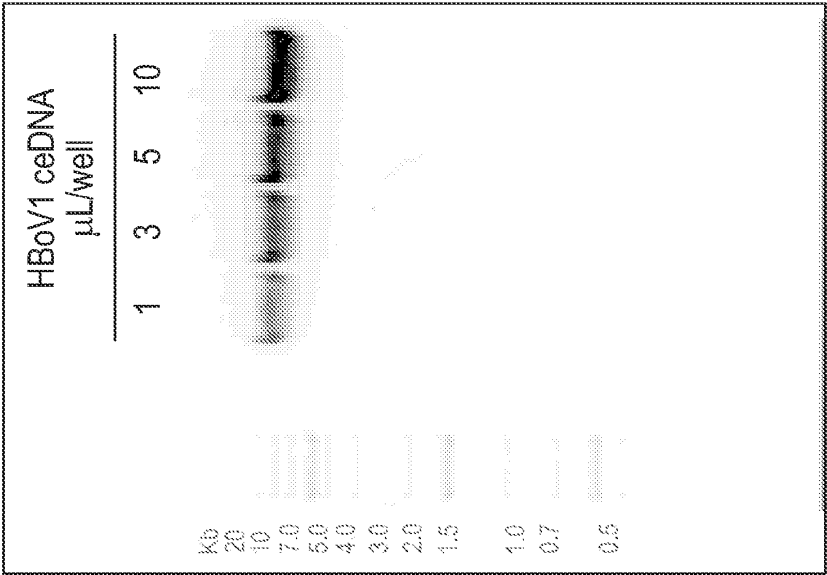


FIG. 19B

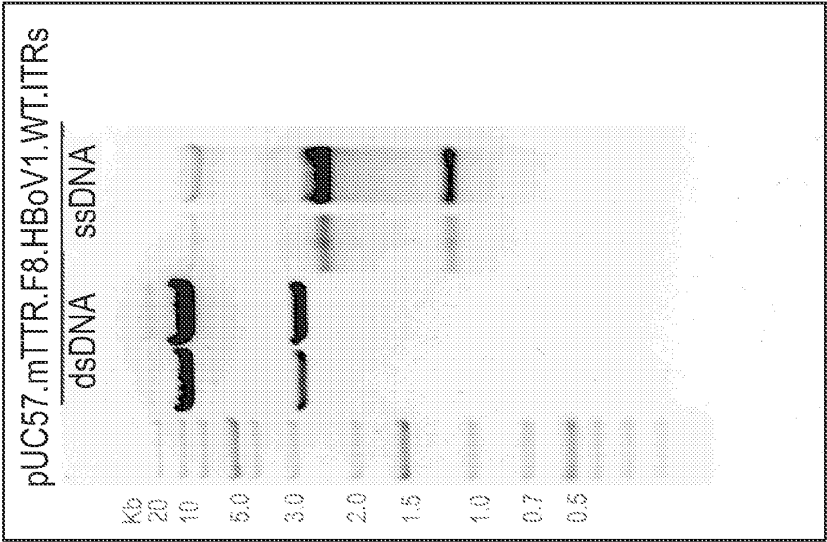


FIG. 19A

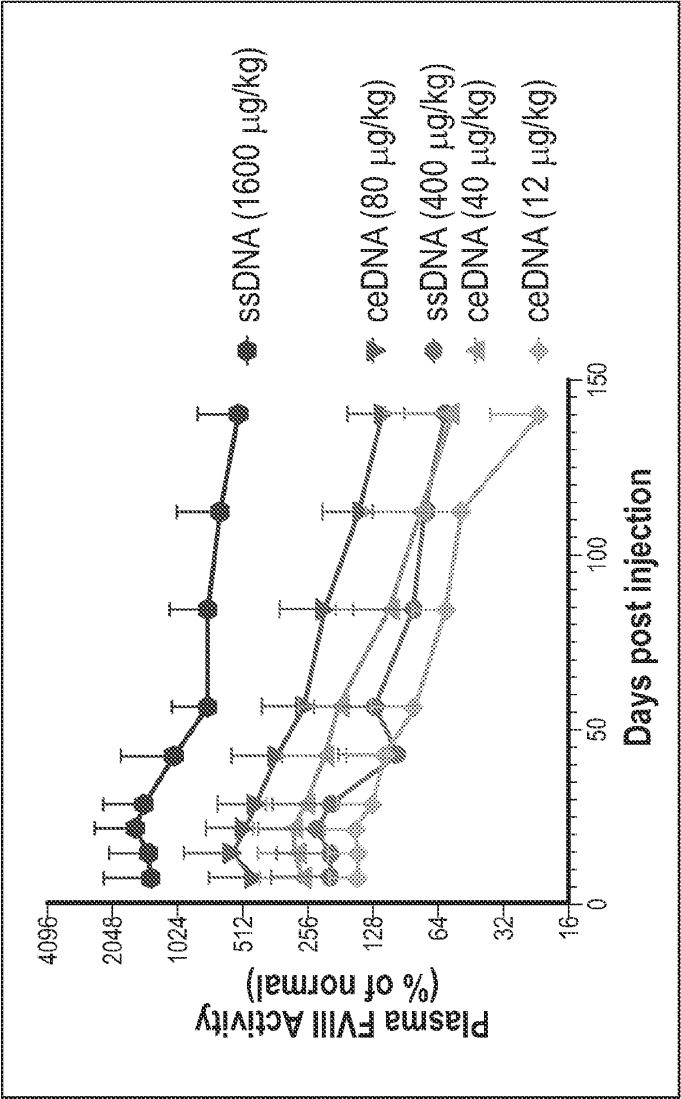


FIG. 19C

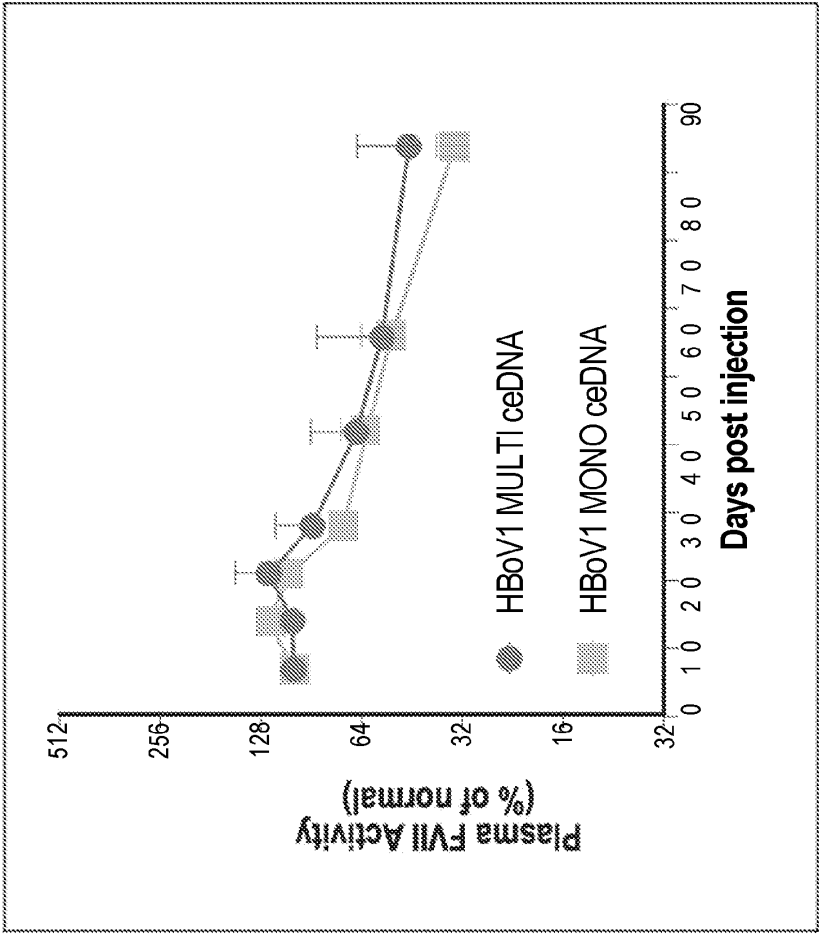


FIG. 20B

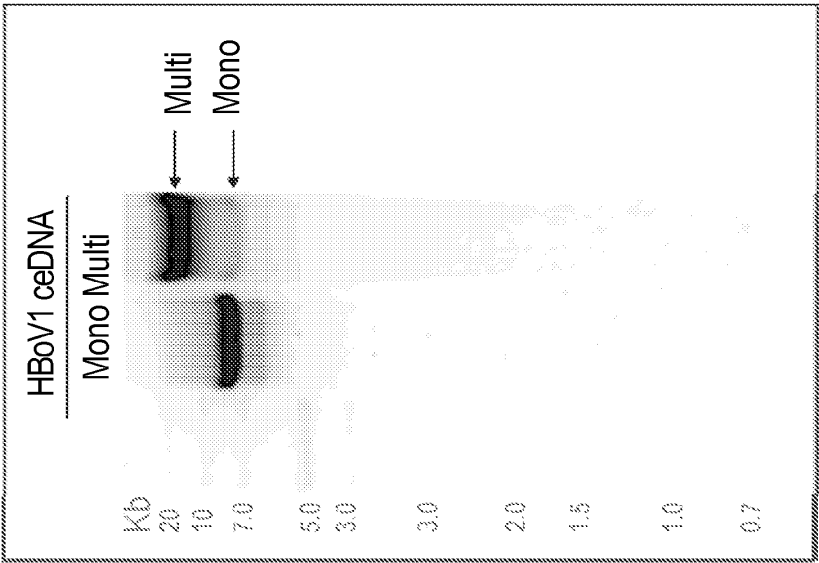


FIG. 20A

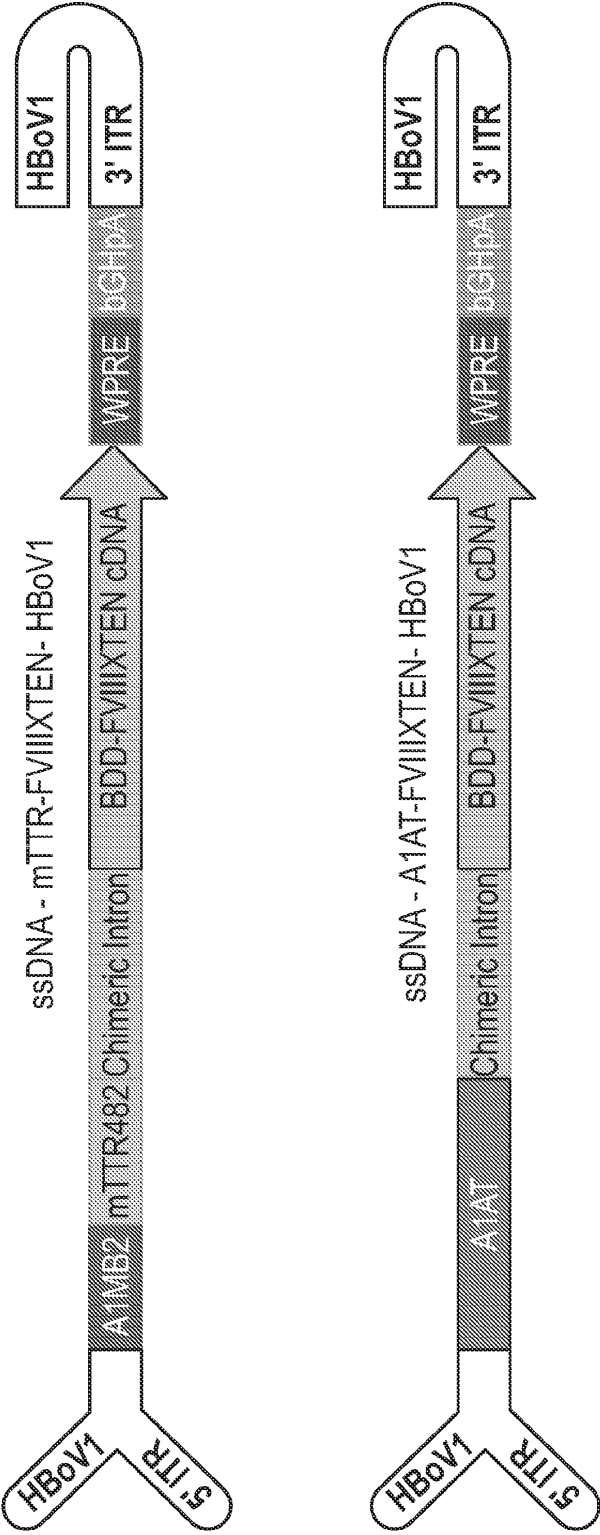


FIG. 21A

