FIG. 1

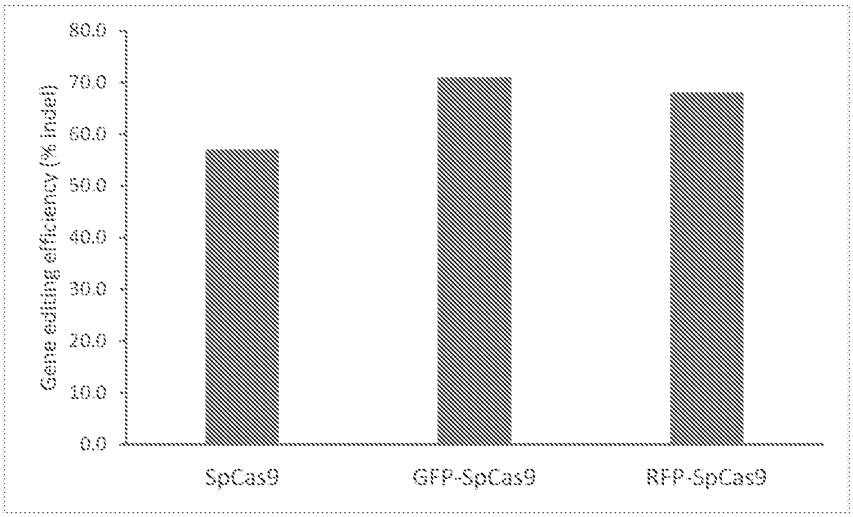

80.0
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
Gene editing efficiency (% indel)
SpCas9
GFP-SpCas9
RFP-SpCas9

FIG. 2A

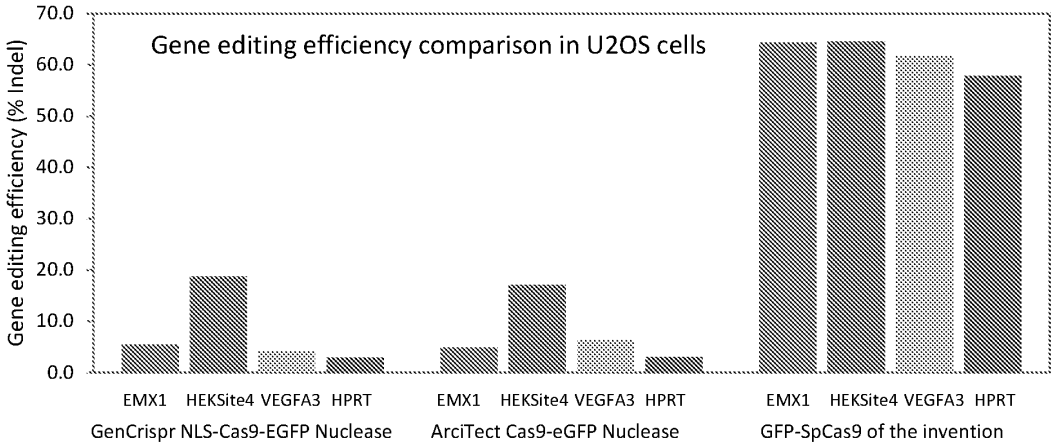
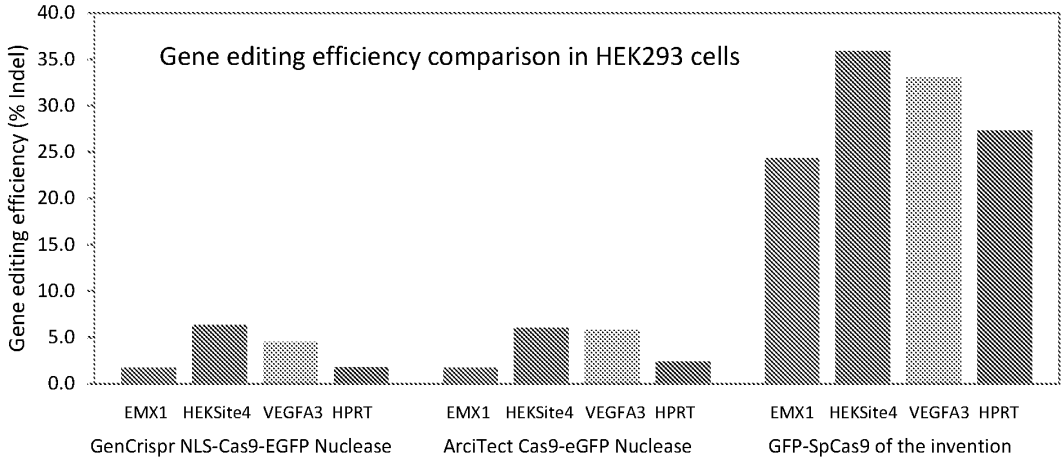

Gene editing efficiency comparison in U2OS cells
Gene editing efficiency (% Indel)
70.0
60.0
50.0
40.0
30.0
20.0
10.0
0.0
EMX1 HEKSite4 VEGFA3 HPRT
EMX1 HEKSite4 VEGFA3 HPRT
EMX1 HEKSite4 VEGFA3 HPRT
GenCrispr NLS-Cas9-EGFP Nuclease
ArciTect Cas9-eGFP Nuclease
GFP-SpCas9 of the invention

FIG. 2B


Gene editing efficiency comparison in HEK293 cells
Gene editing efficiency (% Indel)
40.0
35.0
30.0
25.0
20.0
15.0
10.0
5.0
0.0
EMX1 HEKSite4 VEGFA3 HPRT
EMX1 HEKSite4 VEGFA3 HPRT
EMX1 HEKSite4 VEGFA3 HPRT
GenCrispr NLS-Cas9-EGFP Nuclease
ArciTect Cas9-eGFP Nuclease
GFP-SpCas9 of the invention