

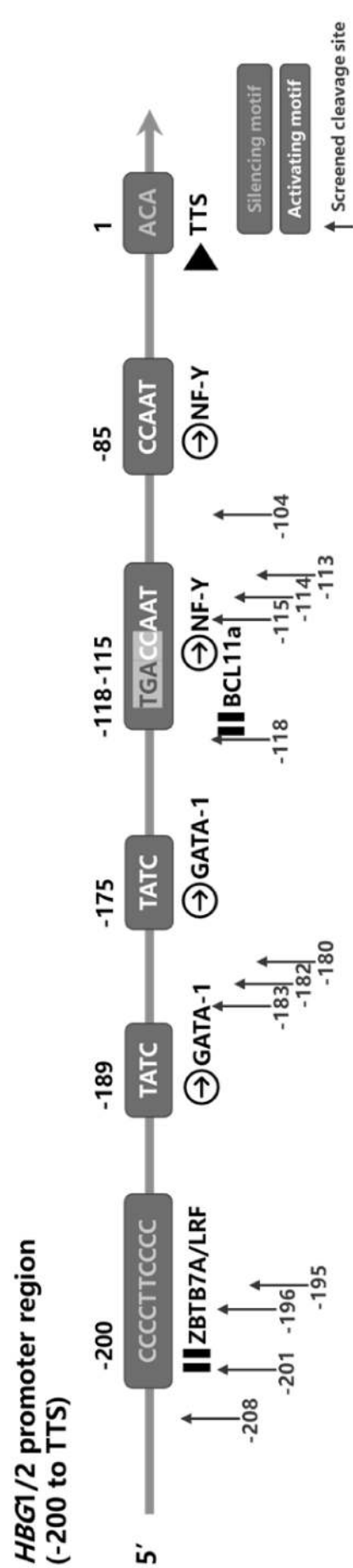


FIG. 1A

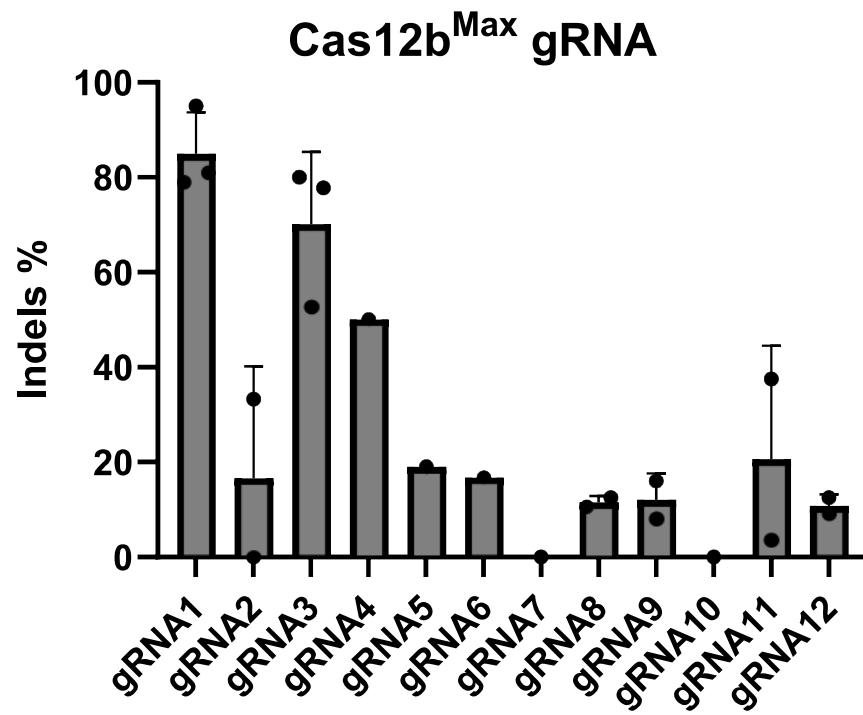


FIG. 1B

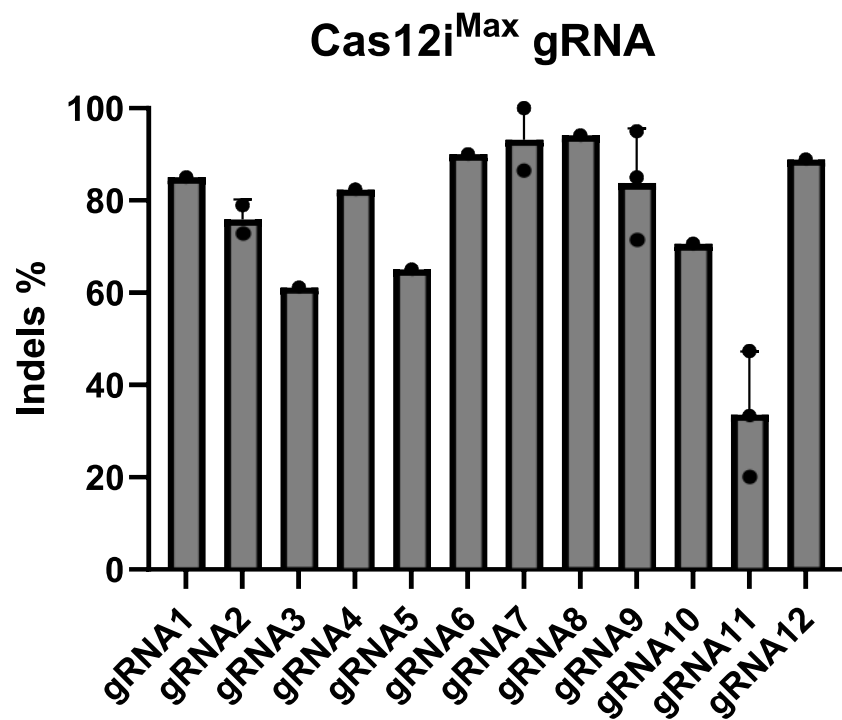


FIG. 1C

Spacer length screen of crRNA

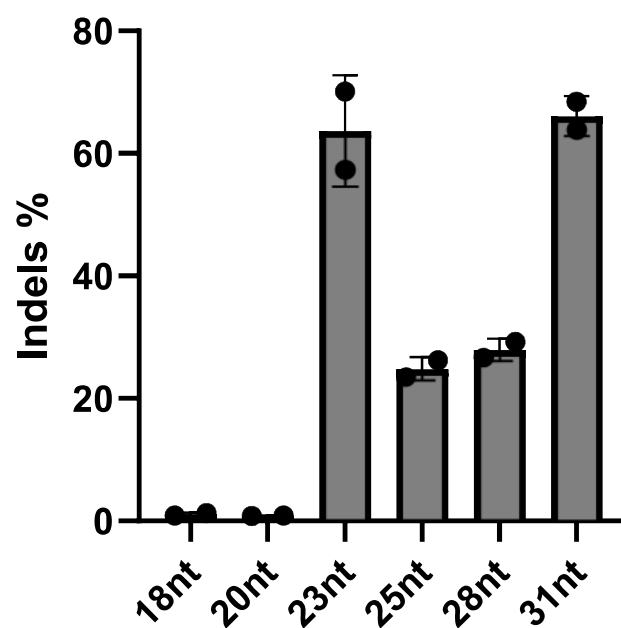


FIG. 1D

Spacer length screen of sgRNA

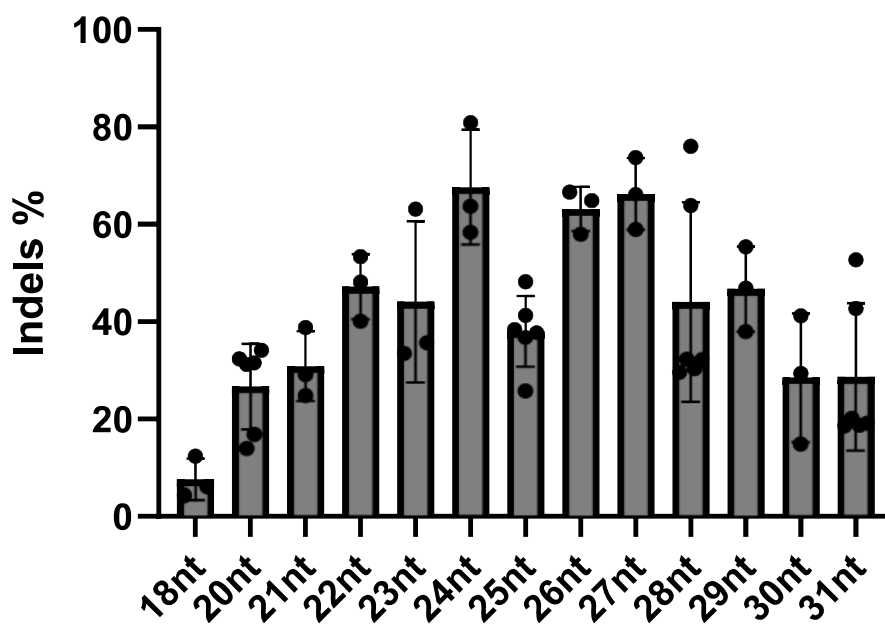


FIG. 1E

M1	His6	SV40	Cas CDS	SV40		
M2		SV40	Cas CDS	SV40		
M3		SV40	Cas CDS	SV40	Nuc	
M4		SV40	Cas CDS	SV40	cMyc	
M5	cMyc	SV40	Cas CDS	SV40	Nuc	
M6			Cas CDS	SV40	cMyc	Nuc
M7		BP	Cas CDS	BP		
M8	His6	SV40	Cas CDS	SV40	cMyc	Nuc

FIG. 2A

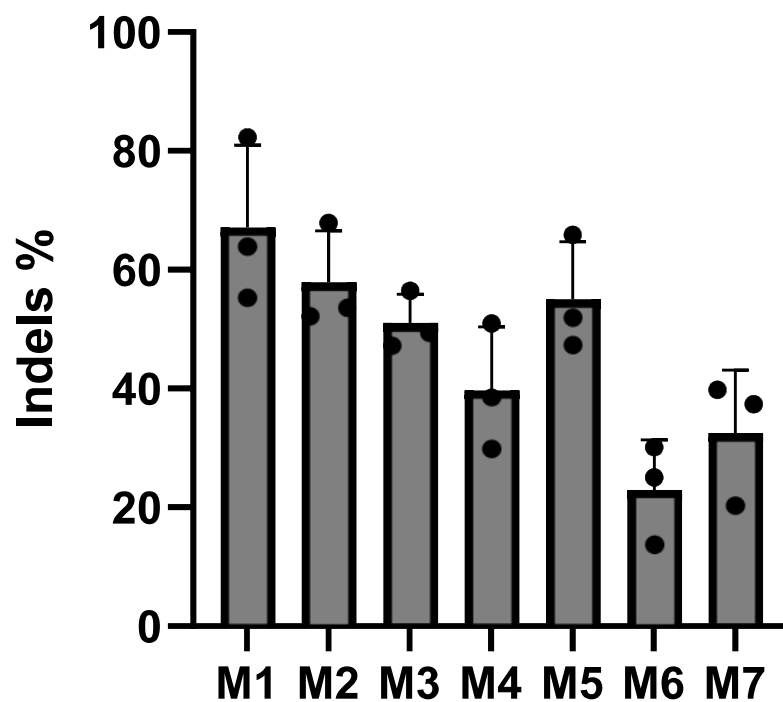


FIG. 2B

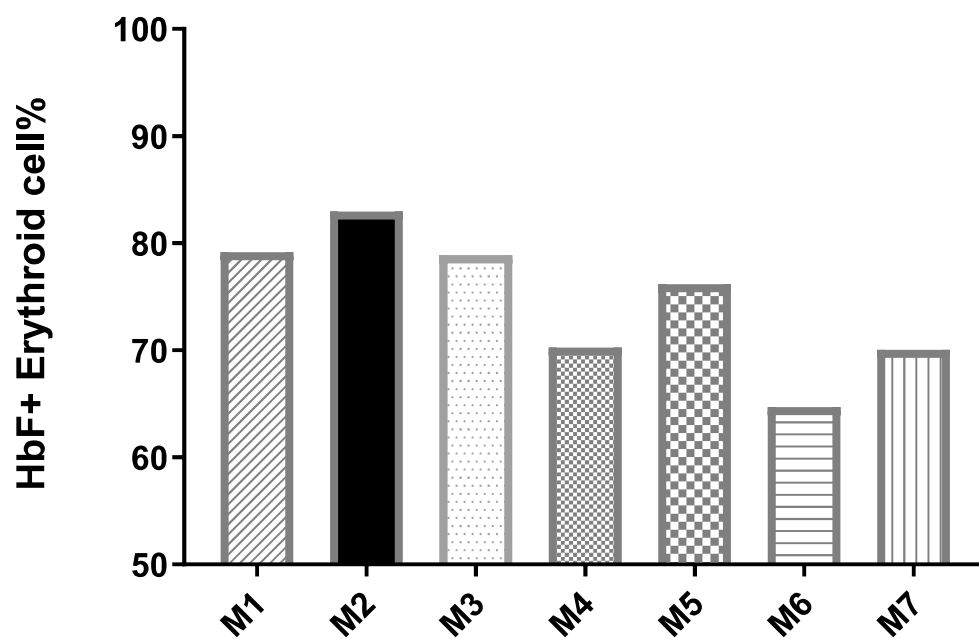


FIG. 2C

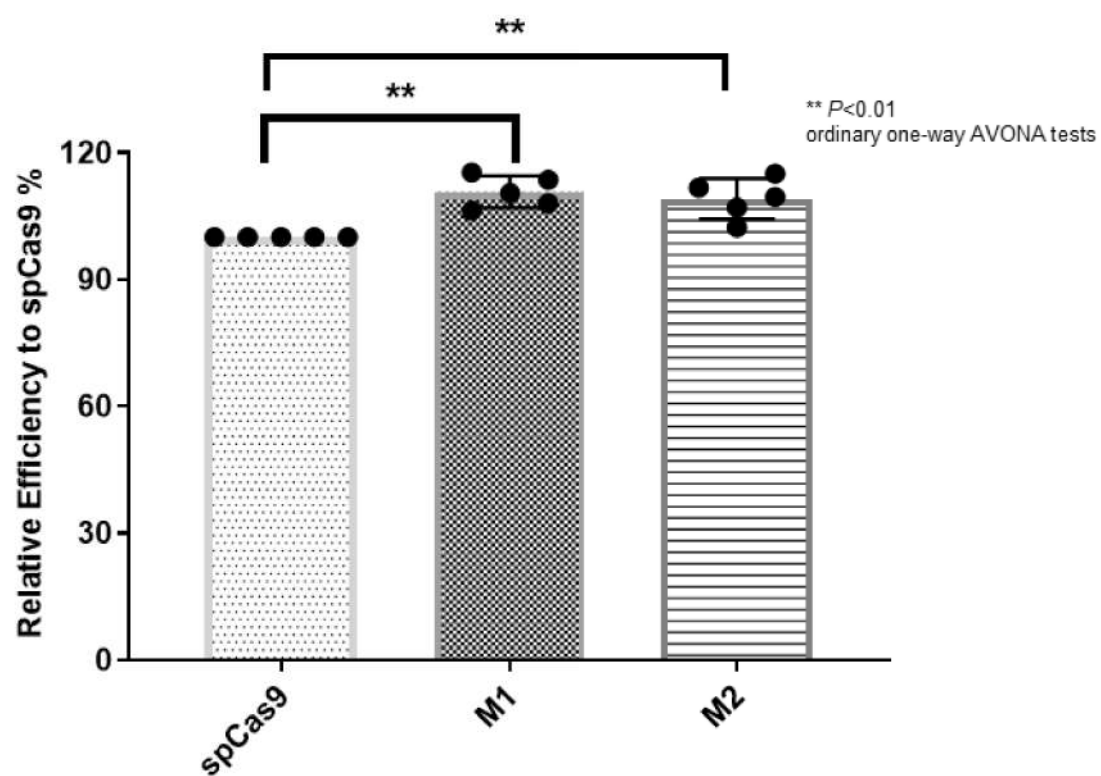


FIG. 2D

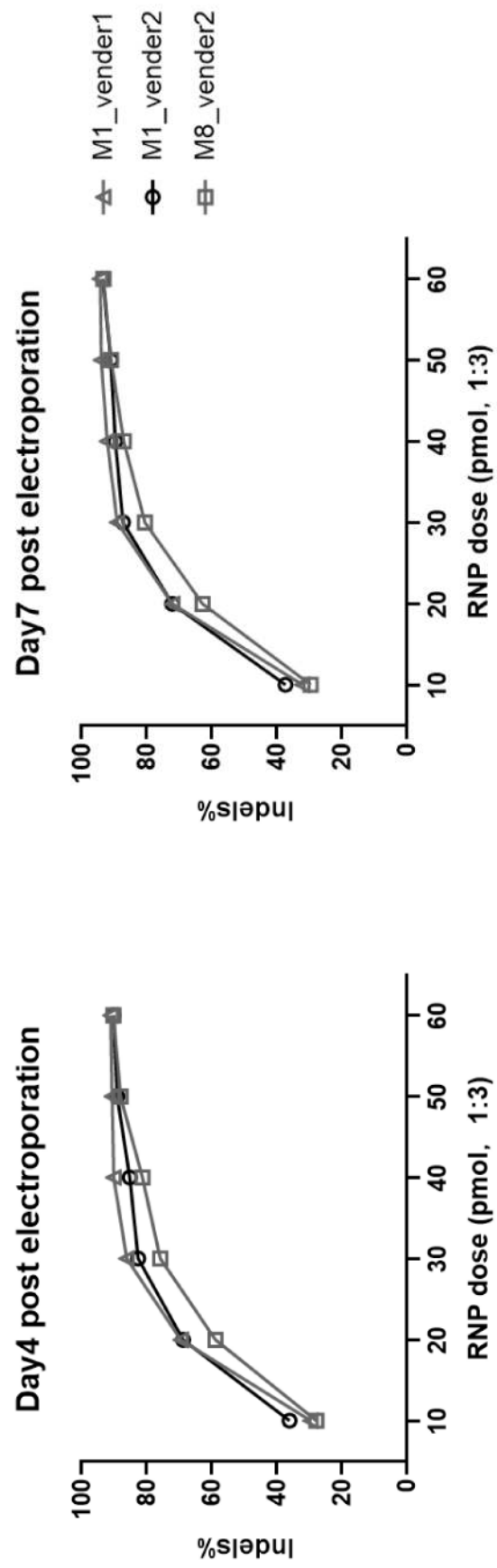


FIG. 2E

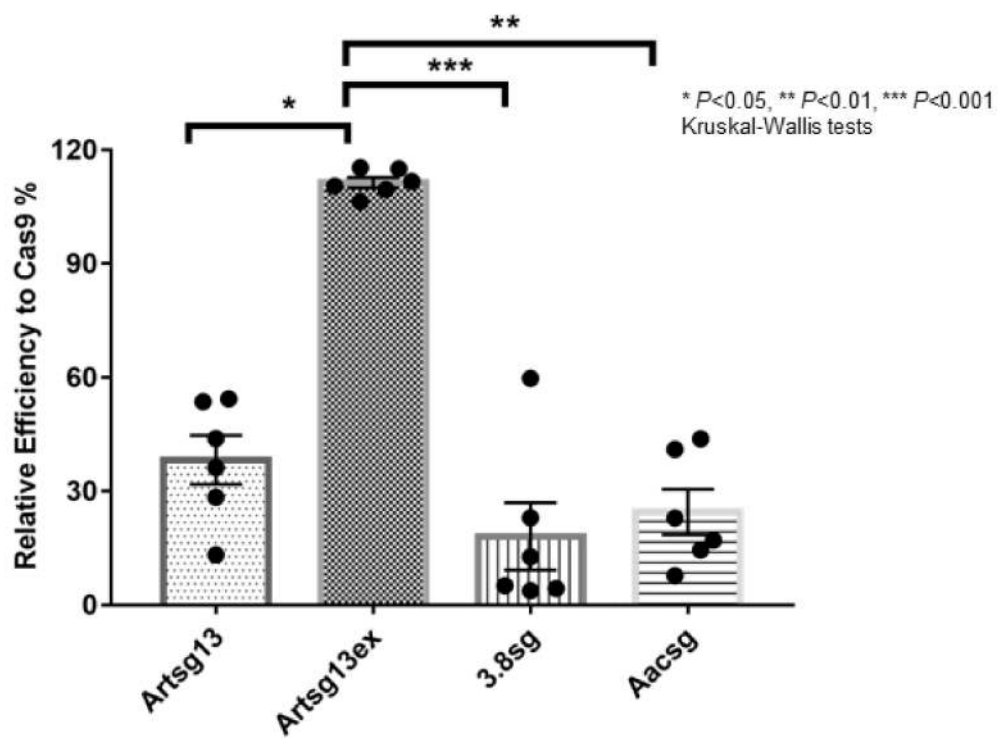


FIG. 3A

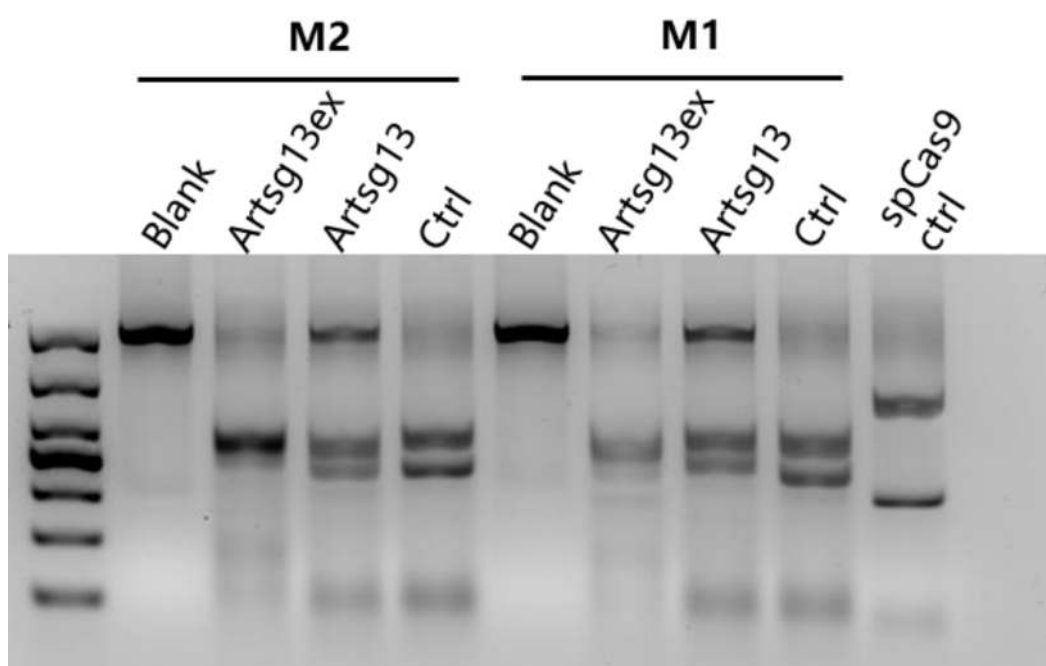


FIG. 3B

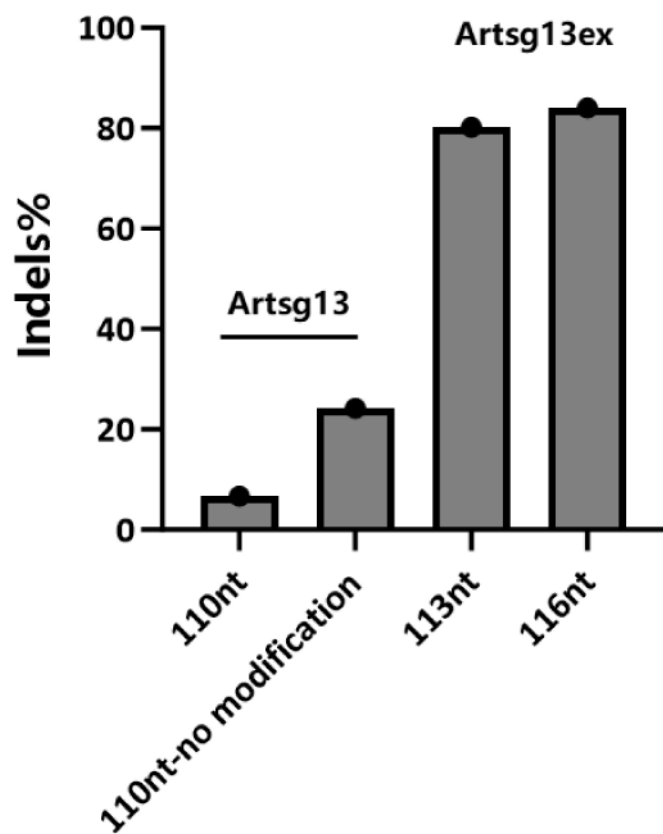


FIG. 3C

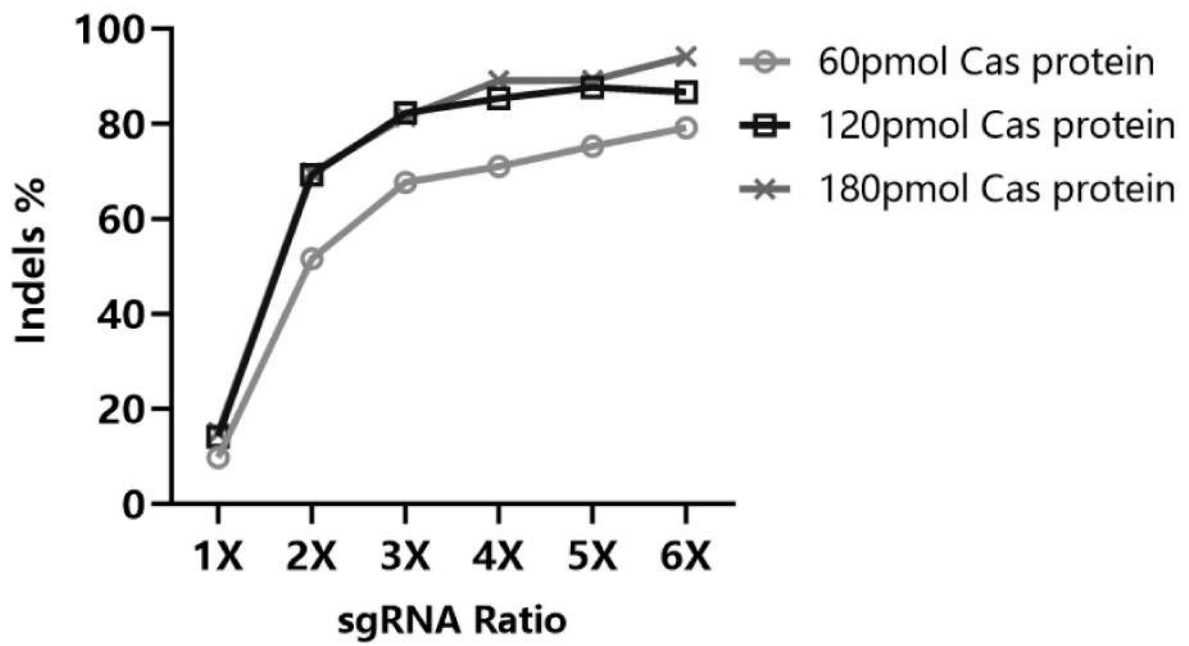


FIG. 4A

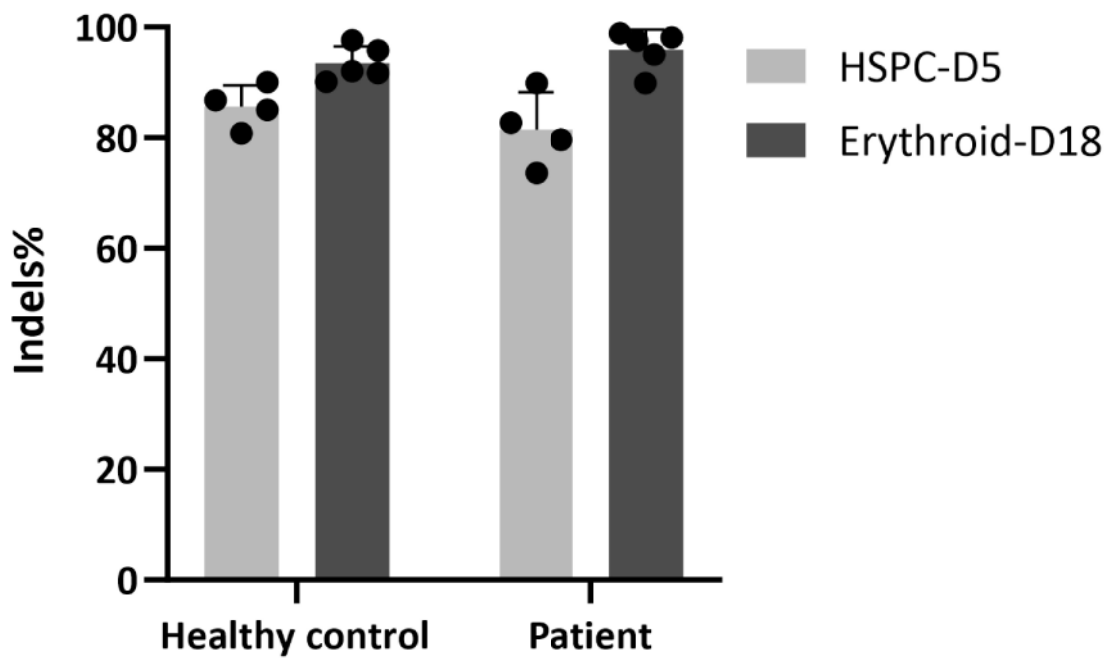


FIG. 4B

AAGCAGCAGTATCCCTCTTGGGGGCCCTTCCCCACACTATCTCAAT														Reference
AAGCAGCAGTA	-	-	-	-	-	-	-	-	-	-	-	-	-	5.19% (367217 reads)
AAGCAGCAGTATCCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	2.83% (200326 reads)
AAGCAGCAGTA	-	-	-	-	-	-	-	-	-	-	-	-	-	2.05% (144898 reads)
AAGCAGCAGTATCCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	1.70% (120068 reads)
AAGCAGCAGTAT	-	-	-	-	-	-	-	-	-	-	-	-	-	1.61% (114256 reads)
AAGCAGCAGTAT	-	-	-	-	-	-	-	-	-	-	-	-	-	1.41% (100155 reads)
AAGCAGCAGTATCC	-	-	-	-	-	-	-	-	-	-	-	-	-	1.10% (78000 reads)
AAGCAGCAGTAT	-	-	-	-	-	-	-	-	-	-	-	-	-	1.04% (73514 reads)
AAGCAGCAGTATCCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	0.95% (66990 reads)
AAGCAGCAGTATC	-	-	-	-	-	-	-	-	-	-	-	-	-	0.90% (63999 reads)
AAGCAG	-	-	-	-	-	-	-	-	-	-	-	-	-	0.81% (57651 reads)
AAGCAGCAGTAT	-	-	-	-	-	-	-	-	-	-	-	-	-	0.79% (55940 reads)
AAGCAGCAGTATCCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	0.76% (53747 reads)
AAGCAGCAGTATCCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	0.75% (52965 reads)
AAGCAGCAGTATCCCT	-	-	-	-	-	-	-	-	-	-	-	-	-	0.69% (49142 reads)

FIG. 4C

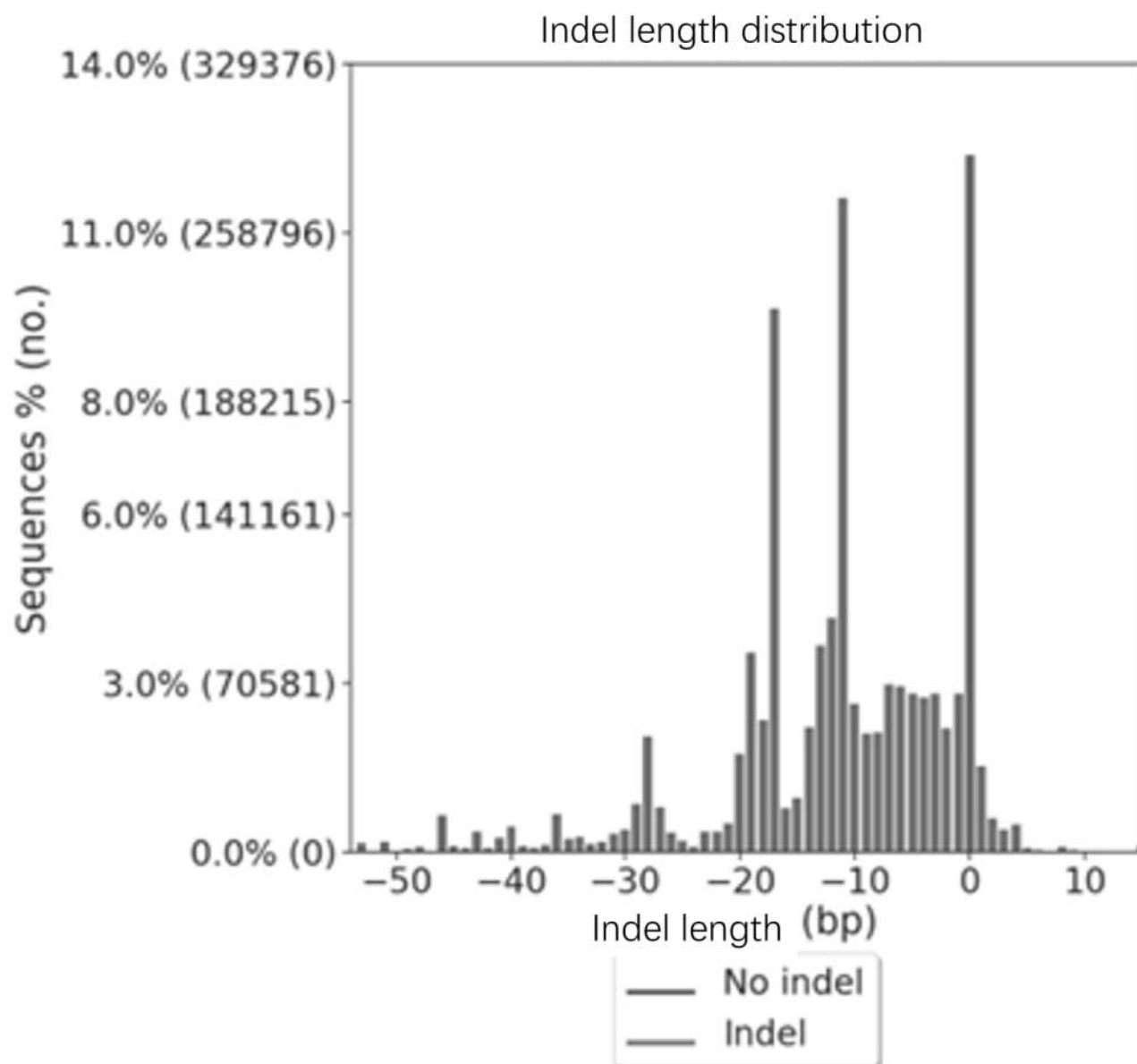


FIG. 4D

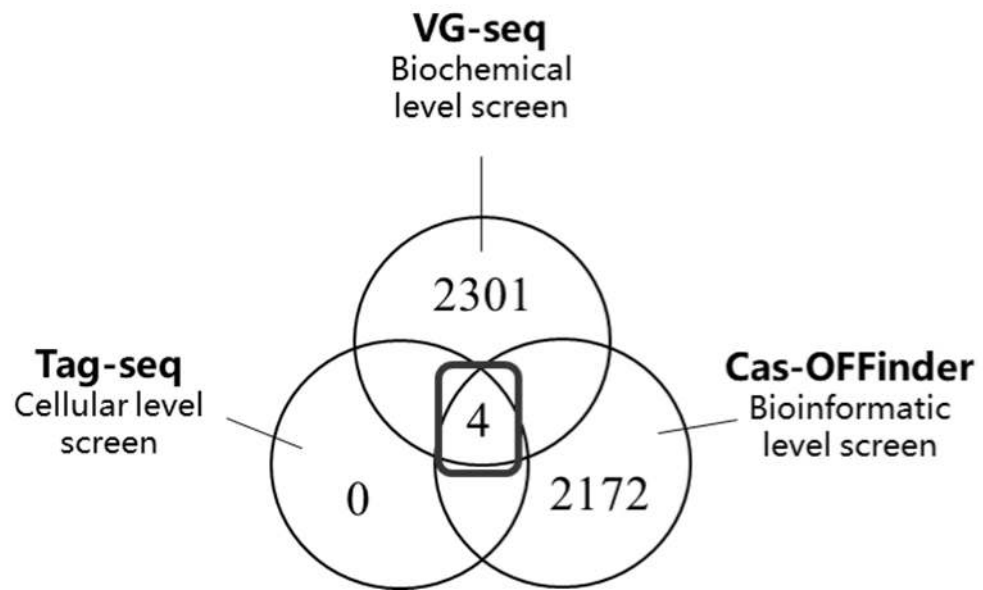


FIG. 5A

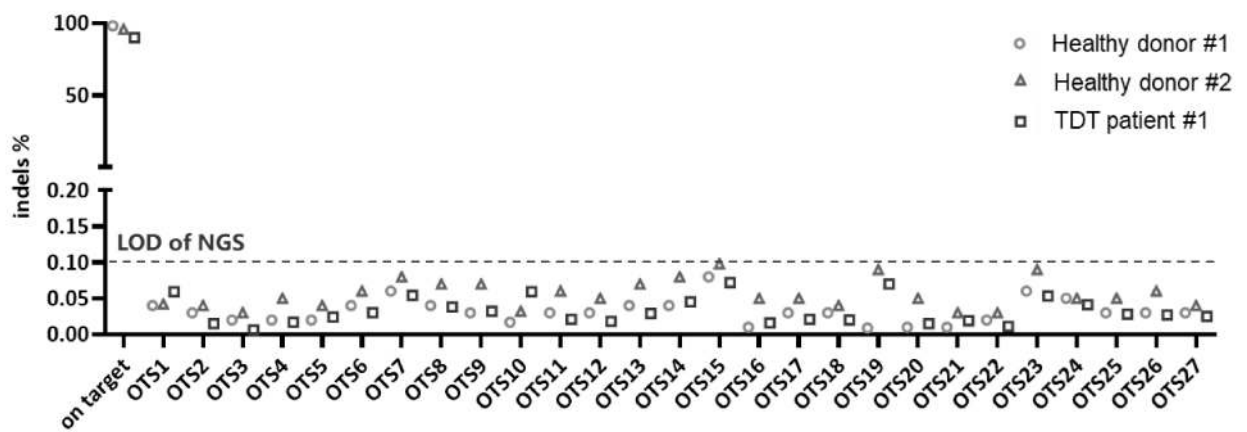


FIG. 5B

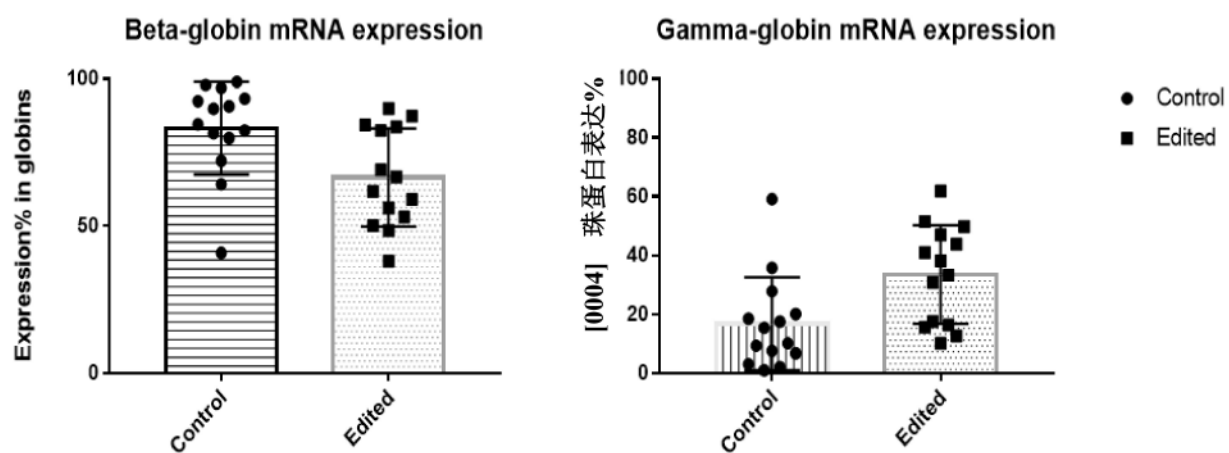


FIG. 6A

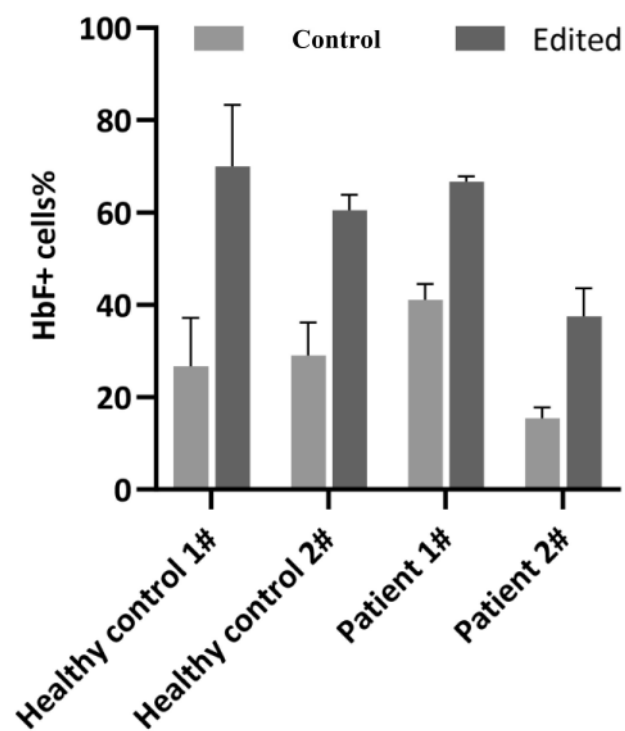


FIG. 6B

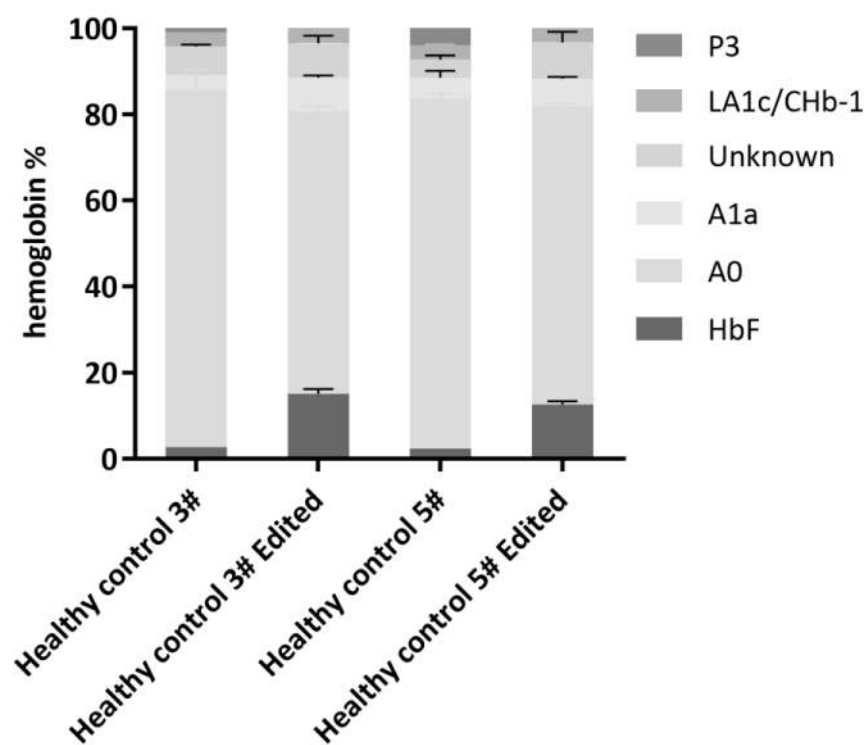


FIG. 6C

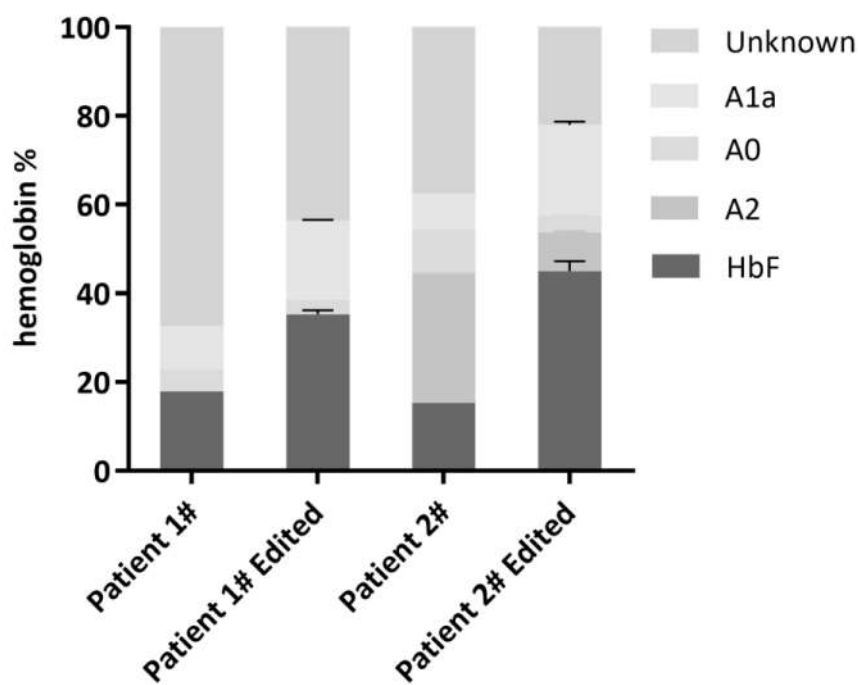


FIG. 6D

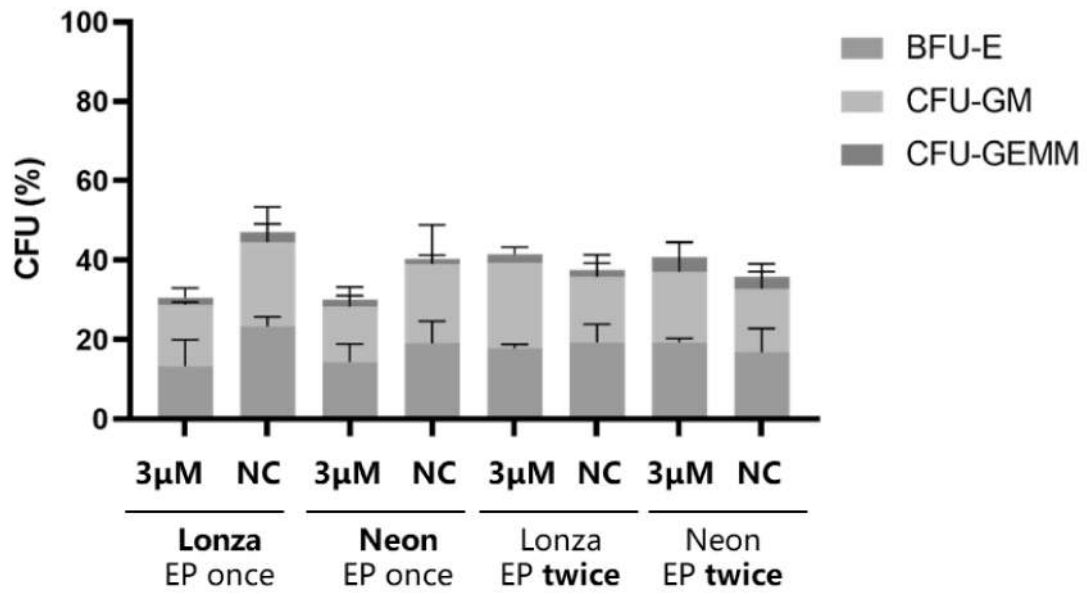


FIG. 7A

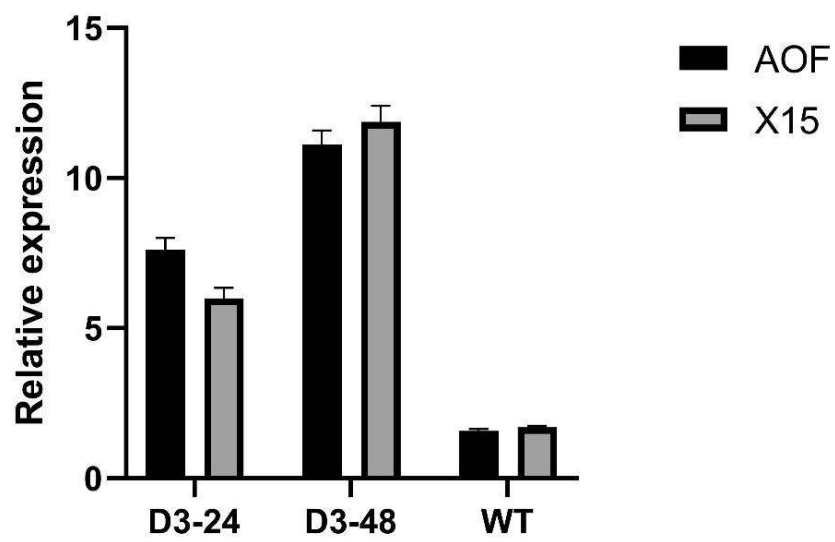


FIG. 7B

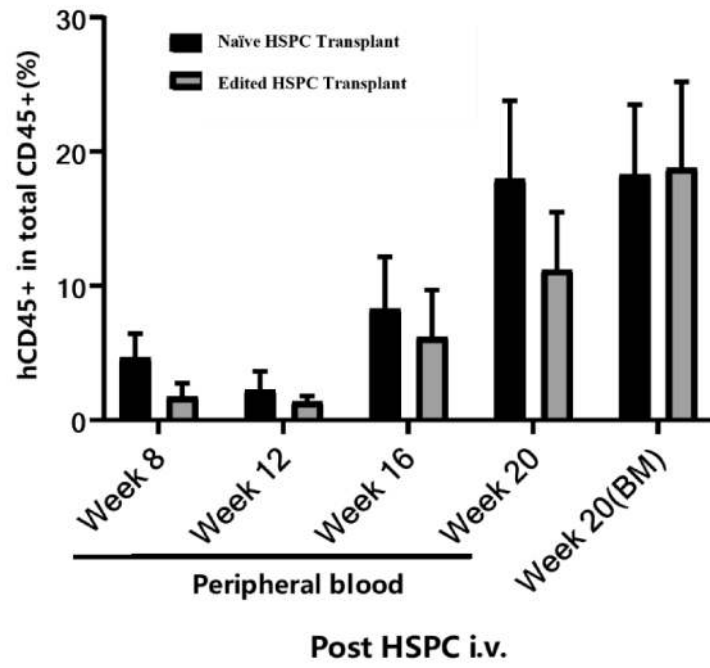


FIG. 8A

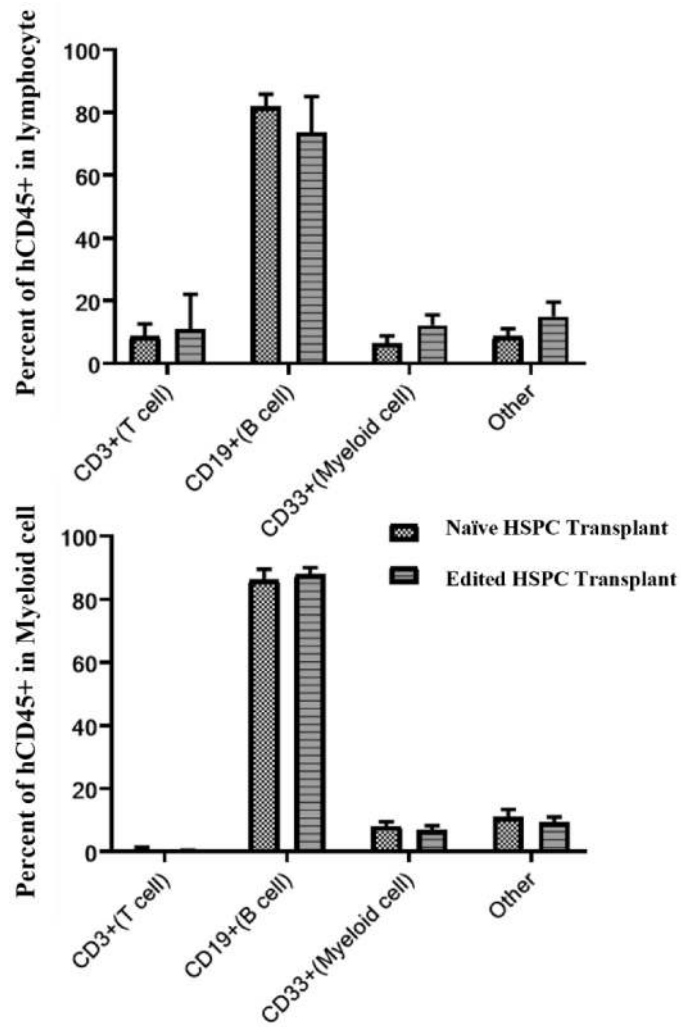


FIG. 8B

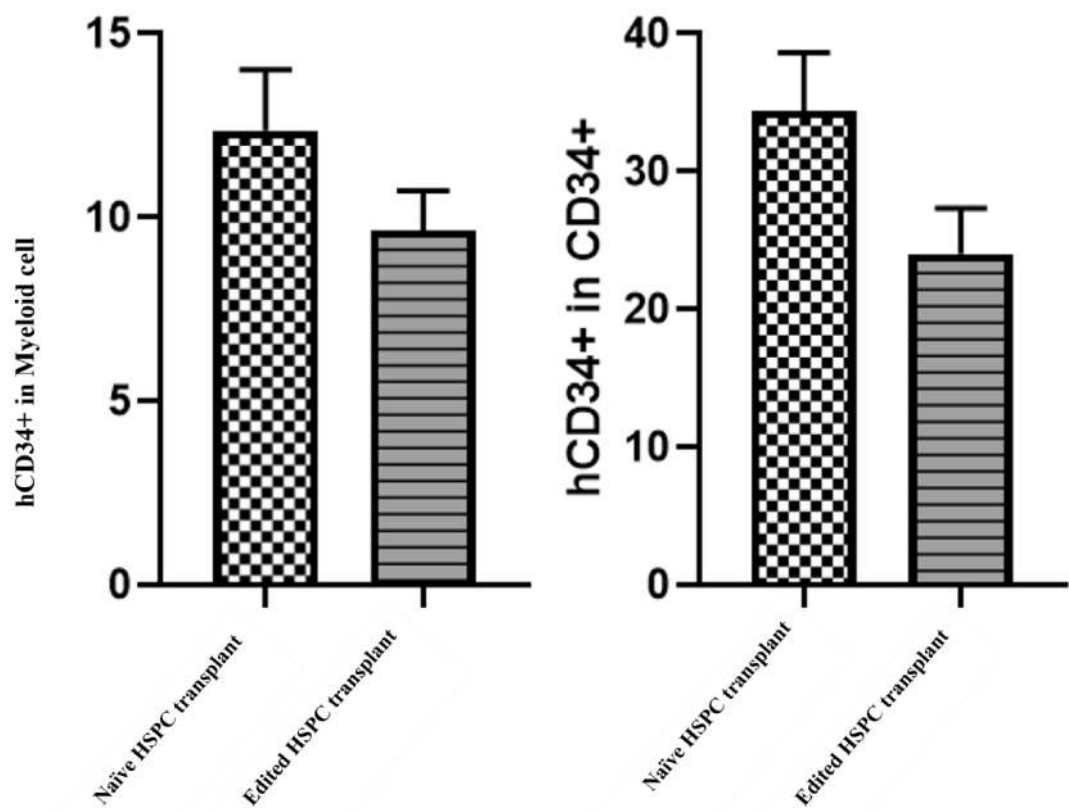


FIG. 8C

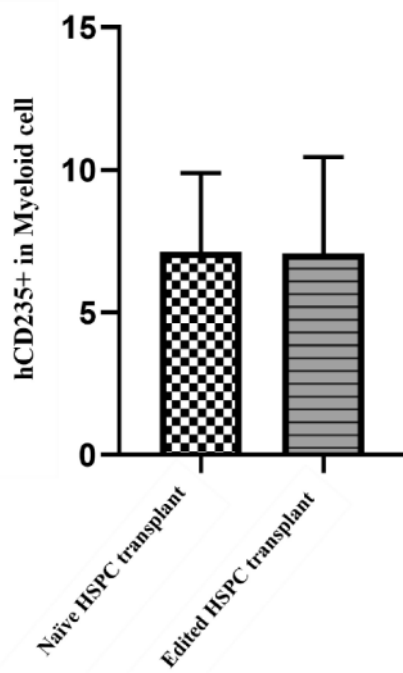


FIG. 8D

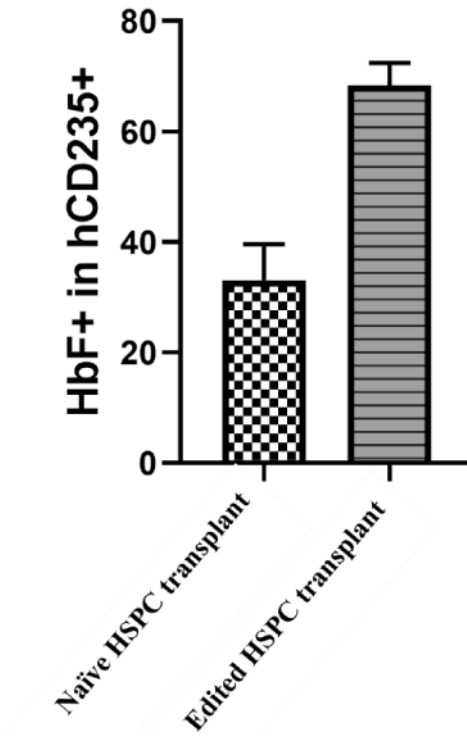


FIG. 8E

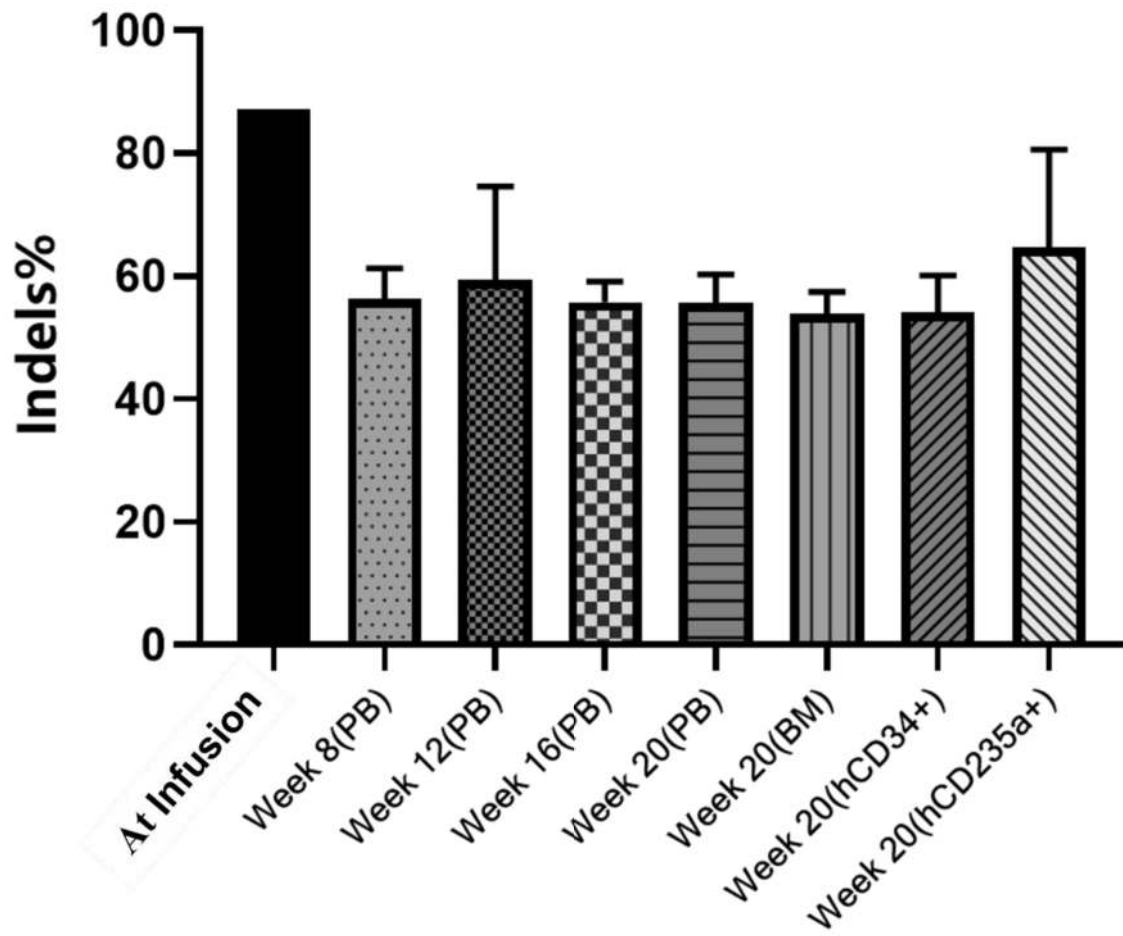


FIG. 8F