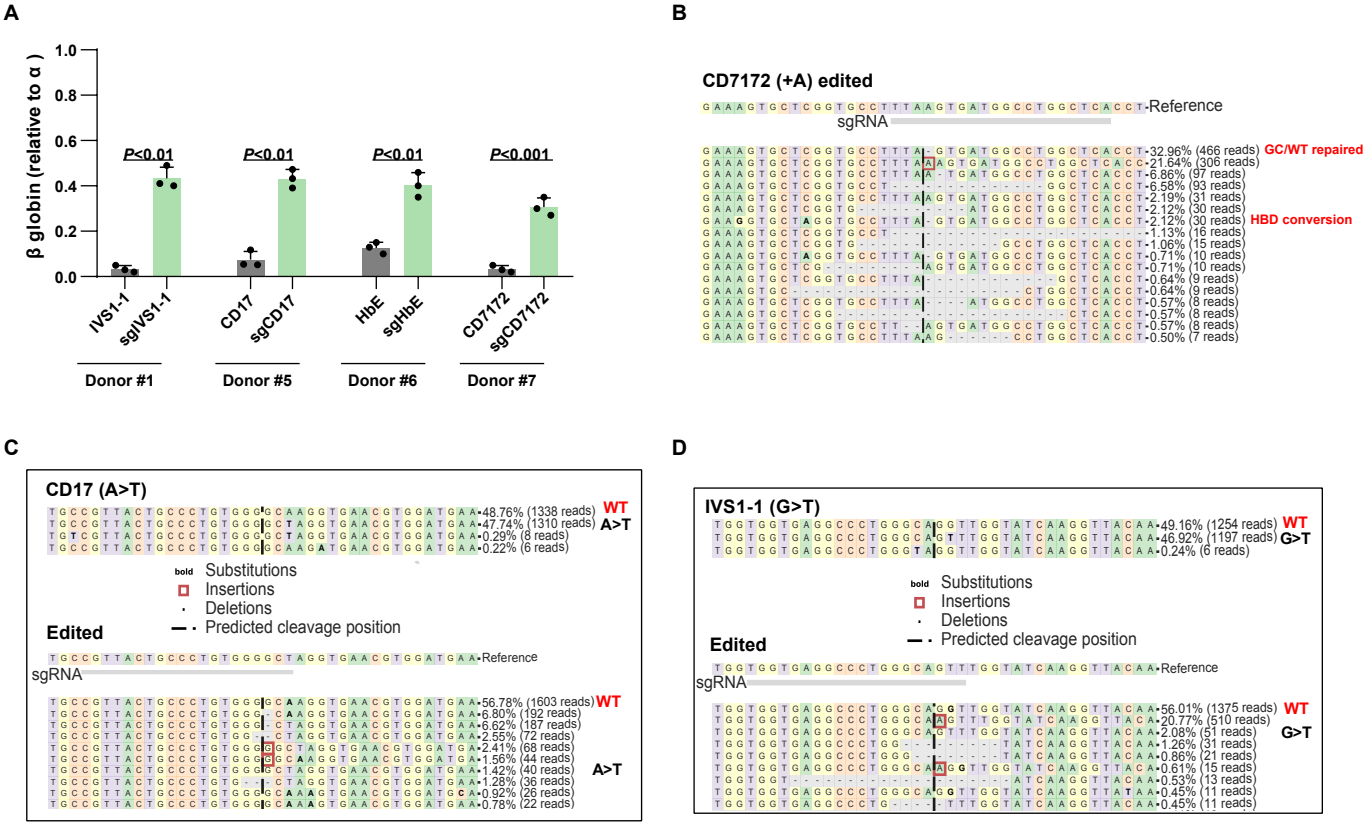
A
β globin (relative to α)
1.0
0.8
0.6
0.4
0.2
0.0
P<0.01
P<0.01
P<0.01
P<0.001
IVS1-1
sgIVS1-1
CD17
sgCD17
HbE
sgHbE
CD7172
sgCD7172
Donor #1
Donor #5
Donor #6
Donor #7
B
CD7172 (+A) edited
Reference
sgRNA
-32.96% (466 reads)
GC/WT repaired
-21.64% (306 reads)
-6.86% (97 reads)
-6.58% (93 reads)
-2.19% (31 reads)
-2.12% (30 reads)
-2.12% (30 reads)
HBD conversion
-1.13% (16 reads)
-1.06% (15 reads)
-0.71% (10 reads)
-0.71% (10 reads)
-0.64% (9 reads)
-0.64% (9 reads)
-0.57% (8 reads)
-0.57% (8 reads)
-0.57% (8 reads)
-0.50% (7 reads)
C
CD17 (A>T)
48.76% (1338 reads)
WT
47.74% (1310 reads)
A>T
0.29% (8 reads)
0.22% (6 reads)
bold Substitutions
Insertions
Deletions
Predicted cleavage position
Edited
Reference
sgRNA
56.78% (1603 reads)
WT
6.80% (192 reads)
6.62% (187 reads)
2.55% (72 reads)
2.41% (68 reads)
1.56% (44 reads)
1.42% (40 reads)
A>T
1.28% (36 reads)
0.92% (26 reads)
0.78% (22 reads)
D
IVS1-1 (G>T)
49.16% (1254 reads)
WT
46.92% (1197 reads)
G>T
0.24% (6 reads)
bold Substitutions
Insertions
Deletions
Predicted cleavage position
Edited
Reference
sgRNA
56.01% (1375 reads)
WT
20.77% (510 reads)
G>T
2.08% (51 reads)
1.26% (31 reads)
0.86% (21 reads)
0.61% (15 reads)
0.53% (13 reads)
0.45% (11 reads)
0.45% (11 reads)