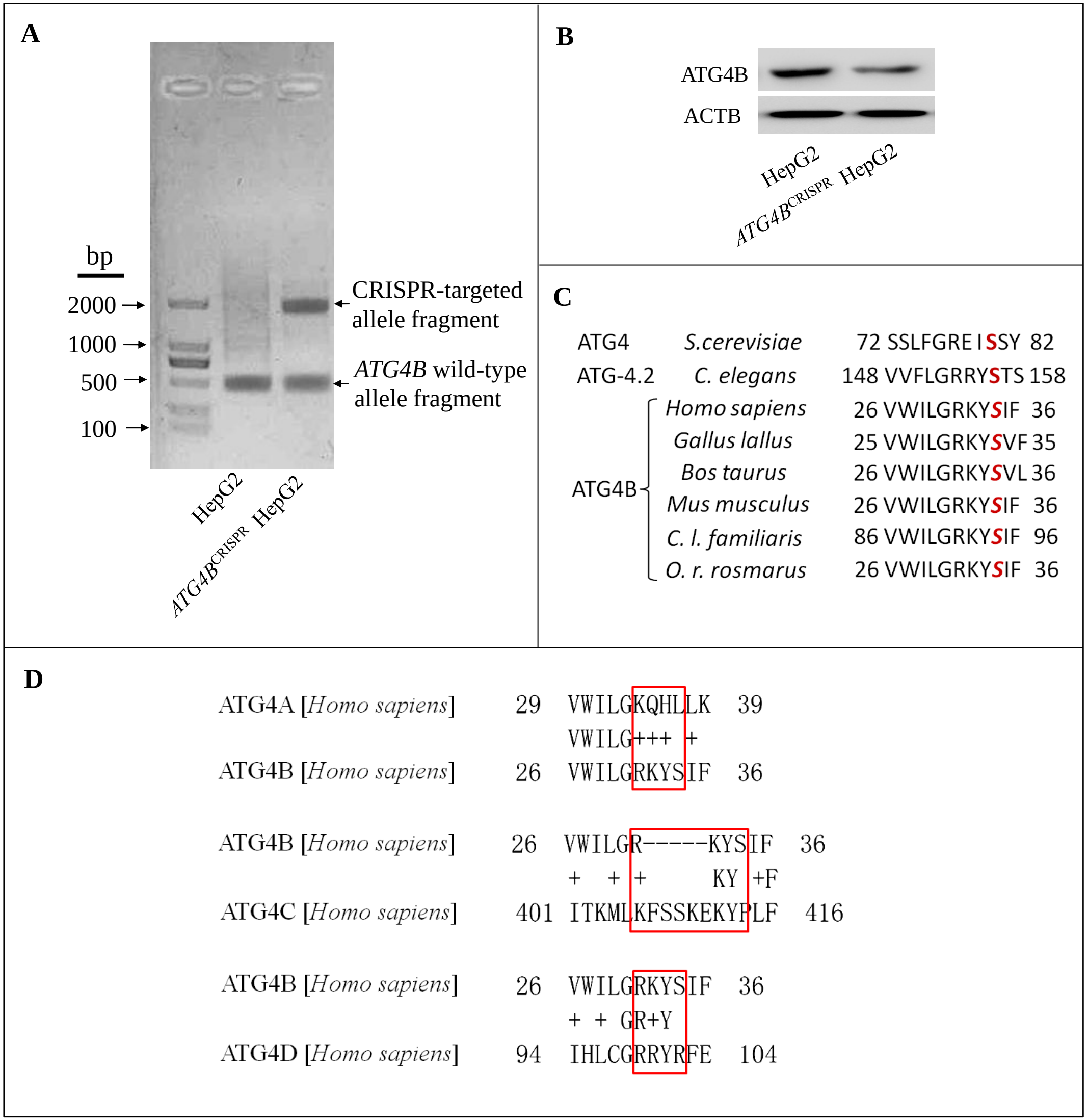
Figure S1


A
bp
2000
1000
500
100
CRISPR-targeted allele fragment
ATG4B wild-type allele fragment
HepG2
ATG4B CRISPR HepG2
B
ATG4B
ACTB
HepG2
ATG4B CRISPR HepG2
C
ATG4 S.cerevisiae 72 SSLFGRE I SSY 82
ATG-4.2 C. elegans 148 VVFLGRRYSTS 158
ATG4B
Homo sapiens 26 VWILGRKYSIF 36
Gallus lallus 25 VWILGRKYSVF 35
Bos taurus 26 VWILGRKYSVL 36
Mus musculus 26 VWILGRKYSIF 36
C. l. familiaris 86 VWILGRKYSIF 96
O. r. rosmarus 26 VWILGRKYSIF 36
D
ATG4A [Homo sapiens] 29 VWILGKQHLLK 39
VWILG+++ +
ATG4B [Homo sapiens] 26 VWILGRKYSIF 36
ATG4B [Homo sapiens] 26 VWILGR-----KYSIF 36
+ + + KY +F
ATG4C [Homo sapiens] 401 ITKMLKFSSKEKYPLF 416
ATG4B [Homo sapiens] 26 VWILGRKYSIF 36
+ + GR+Y
ATG4D [Homo sapiens] 94 IHLCGRRYRFE 104