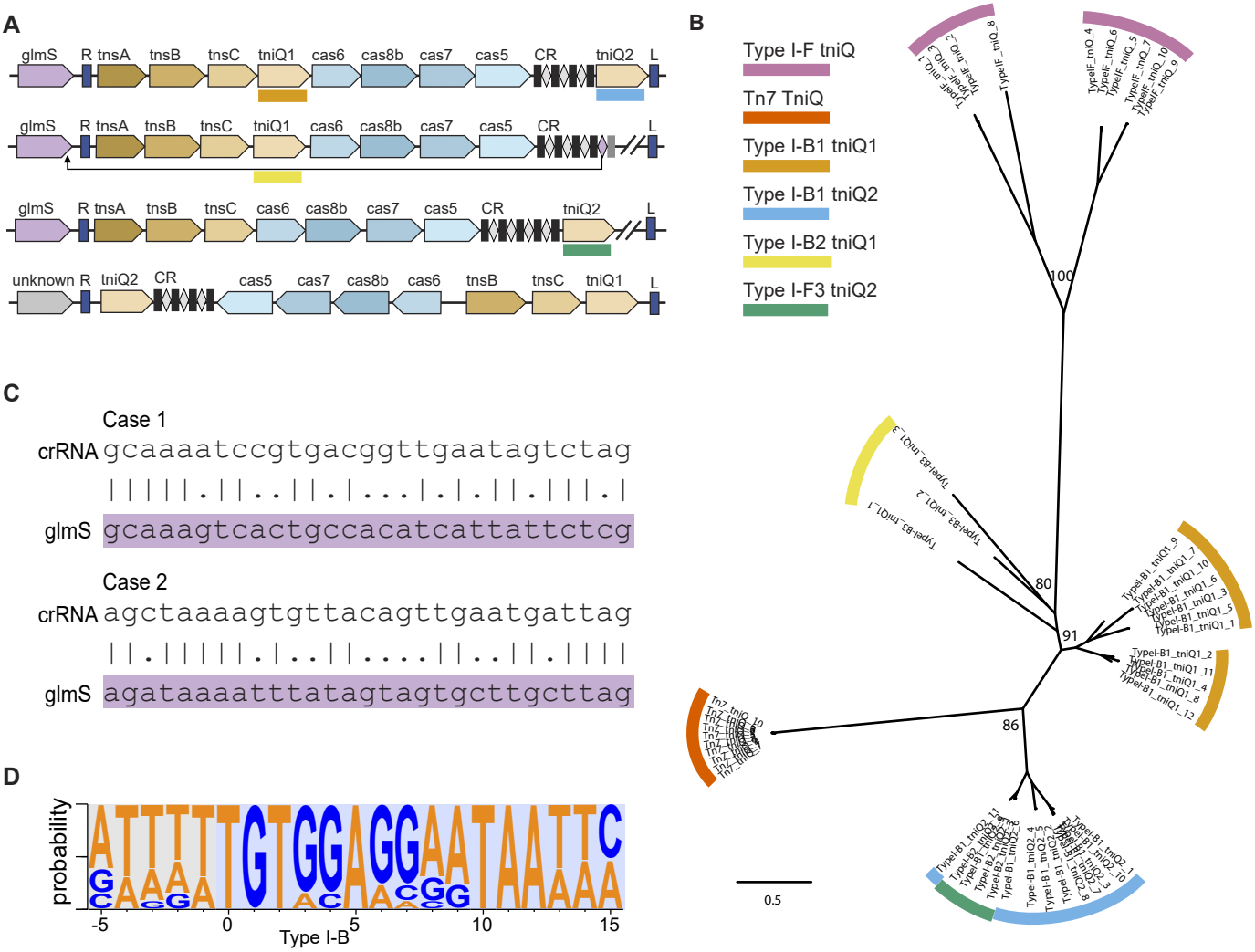
A
glmS R tnsA tnsB tnsC tniQ1 cas6 cas8b cas7 cas5 CR tniQ2 L
glmS R tnsA tnsB tnsC tniQ1 cas6 cas8b cas7 cas5 CR L
glmS R tnsA tnsB tnsC cas6 cas8b cas7 cas5 CR tniQ2 L
unknown R tniQ2 CR cas5 cas7 cas8b cas6 tnsB tnsC tniQ1 L
B
Type I-F tniQ
Tn7 TniQ
Type I-B1 tniQ1
Type I-B1 tniQ2
Type I-B2 tniQ1
Type I-F3 tniQ2
100
80
91
86
0.5
C
Case 1
crRNA gcaaaatccgtgacggttgaatagtctag
glmS gcaaagtcactgccacatcattattctcg
Case 2
crRNA agctaaaagtgttacagttgaatgattag
glmS agataaaatttatagtagtgcttgcttag
D
probability
-5
0
5
10
15
Type I-B