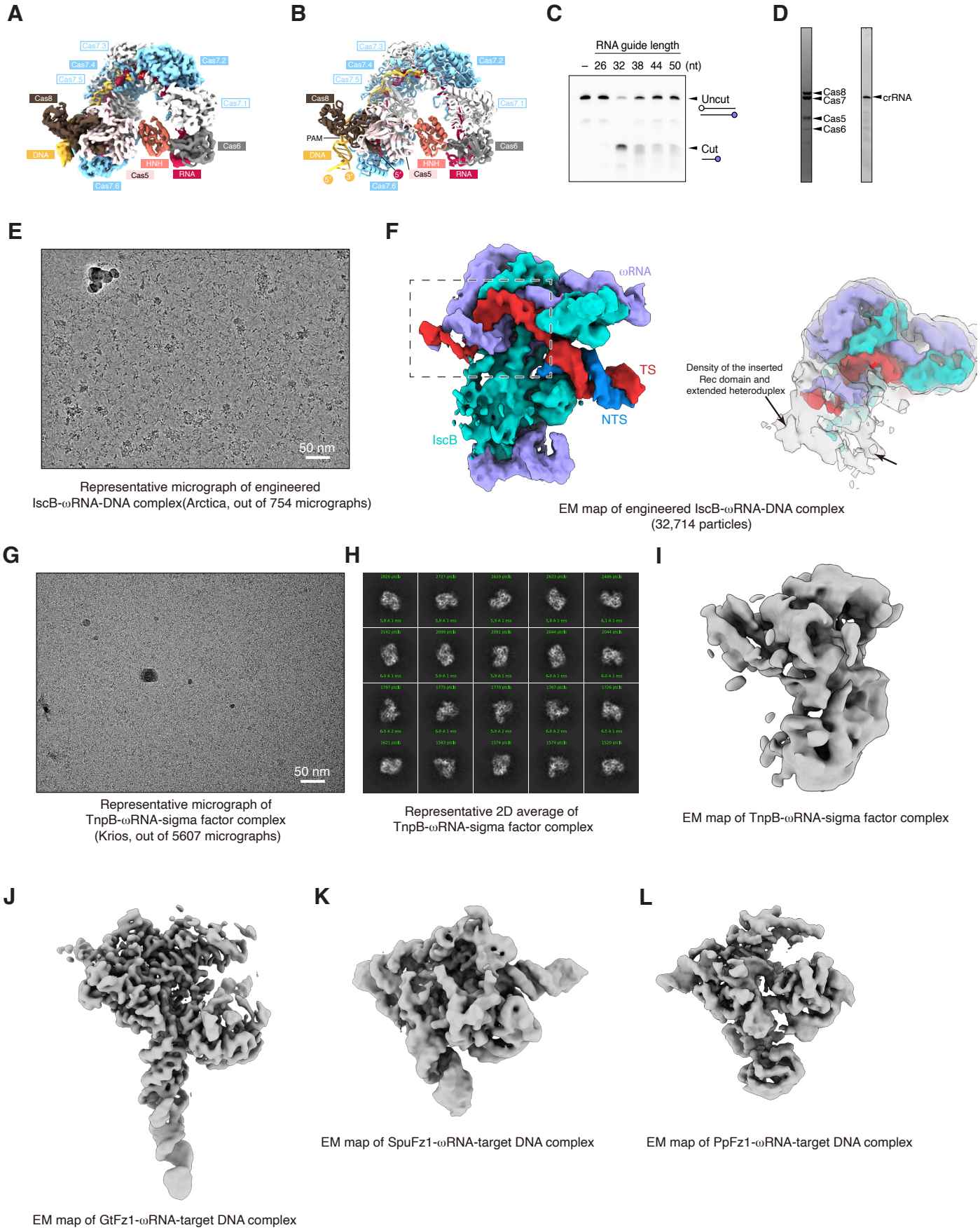
A
Cas7.3
Cas7.4
Cas7.5
Cas7.2
Cas8
Cas7.1
Cas6
DNA
HNH
Cas5
RNA
Cas7.6
B
Cas7.3
Cas7.4
Cas7.5
Cas7.2
Cas8
Cas7.1
PAM
Cas6
DNA
HNH
Cas5
RNA
Cas7.6
C
RNA guide length
– 26 32 38 44 50 (nt)
Uncut
Cut
D
Cas8
Cas7
Cas5
Cas6
crRNA
E
50 nm
Representative micrograph of engineered
IscB-ωRNA-DNA complex(Arctica, out of 754 micrographs)
F
ωRNA
TS
NTS
IscB
Density of the inserted
Rec domain and
extended heteroduplex
EM map of engineered IscB-ωRNA-DNA complex
(32,714 particles)
G
50 nm
Representative micrograph of
TnpB-ωRNA-sigma factor complex
(Krios, out of 5607 micrographs)
H
Representative 2D average of
TnpB-ωRNA-sigma factor complex
I
EM map of TnpB-ωRNA-sigma factor complex
J
EM map of GtFz1-ωRNA-target DNA complex
K
EM map of SpuFz1-ωRNA-target DNA complex
L
EM map of PpFz1-ωRNA-target DNA complex