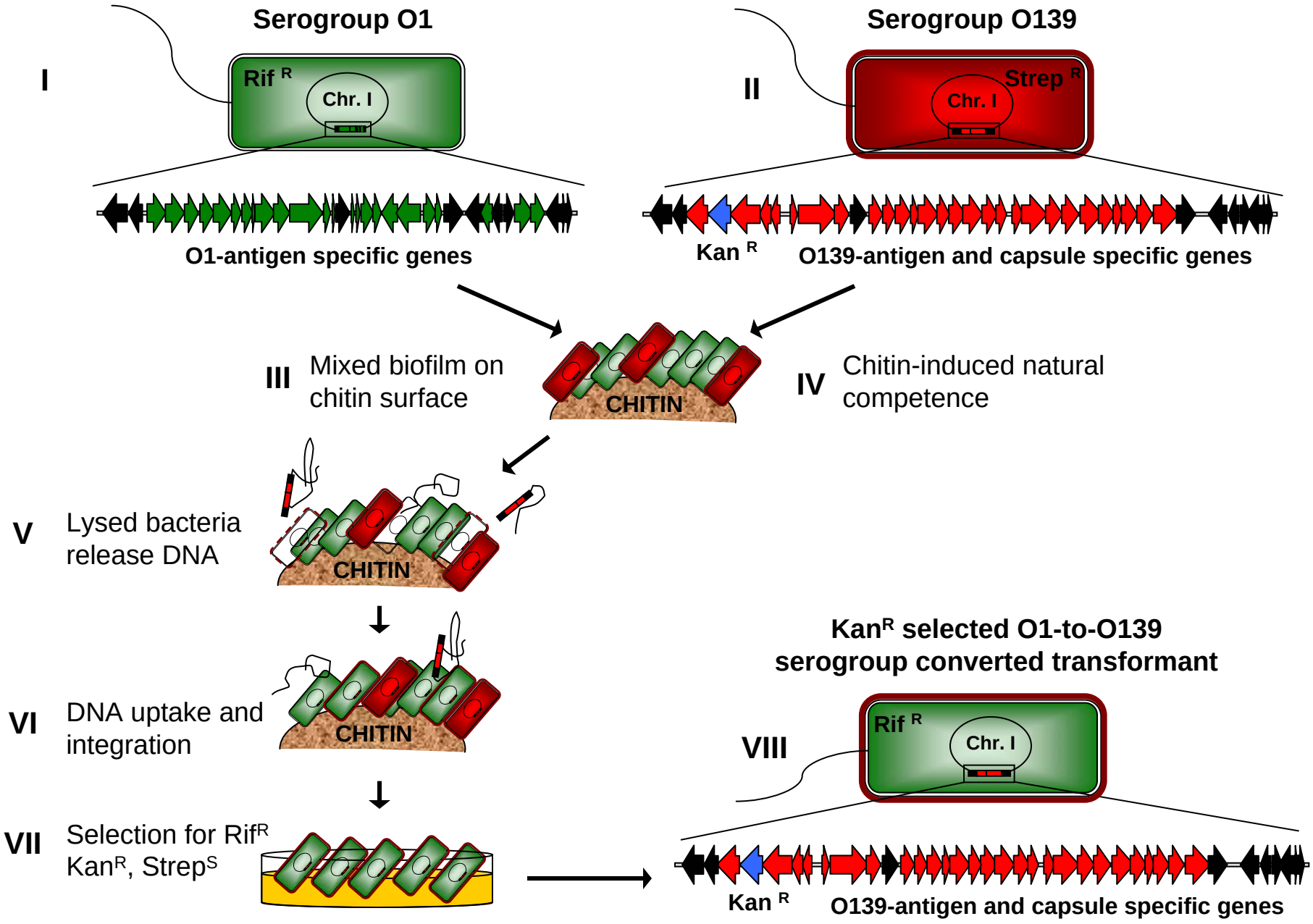
Serogroup O1
I
Rif R
Chr. I
O1-antigen specific genes
Serogroup O139
II
Strep R
Chr. I
Kan R
O139-antigen and capsule specific genes
III
Mixed biofilm on chitin surface
CHITIN
IV
Chitin-induced natural competence
V
Lysed bacteria release DNA
CHITIN
VI
DNA uptake and integration
CHITIN
VII
Selection for RifR KanR, StrepS
KanR selected O1-to-O139 serogroup converted transformant
VIII
Rif R
Chr. I
Kan R
O139-antigen and capsule specific genes

Fig. S2