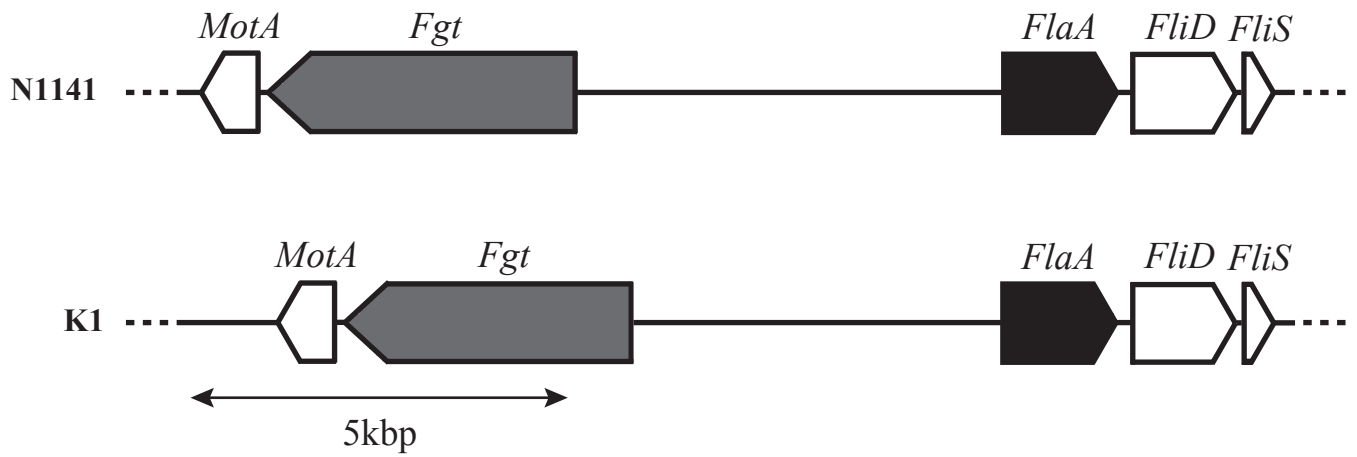


Supplemental Fig. 1 Immuno blot analysis of flagellin from several mutant strain of *A. avenae*. Lane 1: wild type K1 flagellin; lane 2: ¹⁷⁸Ser/Ala K1 flagellin; lane 3: ¹⁸³Ser/Ala K1 flagellin; lane 4: ¹⁸⁶Ser/Ala K1 flagellin; lane 5: ²¹²Ser/Ala K1 flagellin; lane 6: ³⁵¹Thr/Ala K1 flagellin



Supplemental Fig. 2 Schematic representation of the gene structure in the vicinity of *FlaA* gene. The predicted glycosyltransferase genes (*Fgt*) are indicated by gray pentagons, and the flagellin genes (*FlaA*) are indicated by black pentagons.



Supplemental Fig. 3 Disease symptom in rice sheath inoculated with the K1 wild-type (left) and $K\Delta Fgt$ strains (right).