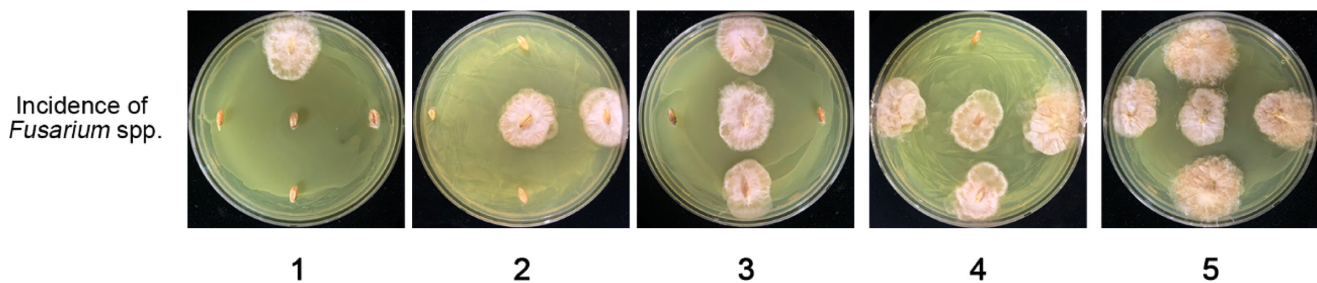


Supplementary Table 2. Continued

Species	Strain number	Origin
<i>Fusarium graminearum</i>	HJ35	Barley (Miryang, Republic of Korea, 2023)
<i>Fusarium asiaticum</i>	HJ36	Barley (Miryang, Republic of Korea, 2023)
<i>Fusarium asiaticum</i>	HJ37	Barley (Miryang, Republic of Korea, 2023)
<i>Fusarium graminearum</i>	HJ38	Barley (Miryang, Republic of Korea, 2023)
<i>Fusarium asiaticum</i>	HJ39	Barley (Daegu, Republic of Korea, 2023)
<i>Fusarium graminearum</i>	HJ40	Barley (Gyeongju, Republic of Korea, 2023)
<i>Fusarium asiaticum</i>	HJ41	Wheat (Uiryeong, Republic of Korea, 2023)
<i>Fusarium asiaticum</i>	HJ42	Wheat (Uiryeong, Republic of Korea, 2023)
<i>Fusarium asiaticum</i>	HJ43	Wheat (Jinju, Republic of Korea, 2023)
<i>Fusarium asiaticum</i>	HJ44	Barley (Jinju, Republic of Korea, 2023)
<i>Fusarium asiaticum</i>	HJ45	Wheat (Uiryeong, Republic of Korea, 2023)
<i>Fusarium asiaticum</i>	HJ46	Wheat (Uiryeong, Republic of Korea, 2023)
<i>Fusarium asiaticum</i>	HJ47	Wheat (Uiryeong, Republic of Korea, 2023)
<i>Fusarium asiaticum</i>	HJ48	Wheat (Uiryeong, Republic of Korea, 2023)
<i>Fusarium asiaticum</i>	HJ49	Barley (Jinju, Republic of Korea, 2023)
<i>Fusarium asiaticum</i>	HJ50	Wheat (Iksan, Republic of Korea, 2023)
<i>Fusarium asiaticum</i>	HJ51	Wheat (Yeongam, Republic of Korea, 2023)
<i>Fusarium asiaticum</i>	HJ52	Wheat (Haenam, Republic of Korea, 2023)
<i>Fusarium asiaticum</i>	HJ53	Barley (Haenam, Republic of Korea, 2023)
<i>Fusarium asiaticum</i>	HJ54	Barley (Gangjin, Republic of Korea, 2023)
<i>Fusarium asiaticum</i>	HJ55	Wheat (Jangheung, Republic of Korea, 2023)
<i>Fusarium asiaticum</i>	HJ56	Barley (Goseong, Republic of Korea, 2023)
<i>Fusarium graminearum</i>	HJ57	Barley (Goseong, Republic of Korea, 2023)
<i>Fusarium asiaticum</i>	HJ58	Barley (Jinju, Republic of Korea, 2023)
<i>Fusarium asiaticum</i>	HJ59	Barley (Miryang, Republic of Korea, 2023)
<i>Fusarium asiaticum</i>	HJ60	Barley (Miryang, Republic of Korea, 2023)



Supplementary Fig. 1. Growth of *Fusarium* spp. on BGT (*Burkholderia glumae* Toxoflavin) medium. This series of photographs shows the growth of *Fusarium* spp. on BGT after a 3-day incubation at 25°C. Surface-sterilized seeds were placed onto the BGT plates, and the development of *Fusarium* colonies was monitored. The numbers below each plate indicate the count of *Fusarium* colonies observed. The progressive increase in colony numbers from images 1 through 5 demonstrates the isolation frequency of *Fusarium* strains from the inoculated seeds.

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