

Supplemental Table 1. List of rice cultivars used in this study

<u>Cultivar</u>	<u>Cross combination</u>	<u>Year of development</u>
Joiku No.462	Hokkai No.302/ Joiku No.452	2010
Jokei06214	Jokei04501////Hoshinoyume	2006
Hoshinoyume	Akitakomachi / Dohoku No.48 // Jouiku No. 397(Kirara397)	1996
Nanatsuboshi	Hitomebore / Kukei90242A // Kuiku No.150	2001
HokkaiPL9	Kuiku No.139/Hokkai PL7//Kuiku No.147	2003
Yukisayaka	Satsukei9700(HokkaiPL9)/Kuiku No.160 (Akiho)	2011
Yumepirika	Satsukei96118 / Joiku No.427	2008
Kirara397	Toiku No.214(Shimahikari) / Dohoku No.36(Kitaake)	1988
Daichinohoshi	Kuiku No.151 / Joiku No.418(Hoshinoyume)	2003