Supplementary table S6 The detection of AX-94438727 SNP allele in derivative lines of pre-breeding

Pedigrees	Name of Lines	Spike_trait	SNP_call_type
Parent of early generation			
Fukuho/*A.cristatum*	Pubing3228, Pubing3504, Pubing7-4, PZW9	High GNPS, **High KNS**	A:A
Yekora/Pubing3504	L18, L35, L61, L82	High GNPS, **High KNS**	A:A
Pubing4844-12/Gaocheng8901	L100	High GNPS, **High KNS**	A:A
Pubing4201/CMH83.605//FC_big_spike/3/Xiaoyan6	L368, L539, L612, L660, L711, L738	High GNPS, **High KNS**	A:A
Pubing4363/Hi-Line//FC_big_spike	L820	High GNPS, **High KNS**	A:A
Pubing4363/Hi-Line//FC_big_spike/3/Zi08-69	L859, L900	High GNPS, **High KNS**	A:A
Breeding lines			
Pubing4201/924144-2//Jagger/Zhi7730/4/Pubing4201/CMH83.605//FC_big_spike/3/Zhoumai18	Pubing53, Pubing55, Pubing56, Pubing57, Pubing58, Pubing59, Pubing162, Pubing166, Pubing487	Medium GNPS, **Low KNS**	T:T
Pubing4201/924144-2//Jagger/Zhi7730/4/Pubing4201/CMH83.605//FC_big_spike/3/Zhoumai18	Pubing289, Pubing290, Pubing300, Pubing301, Pubing304	High GNPS, High spikelet number, **Low KNS**	T:T
Pubing4201/924144-2//Jagger/Zhi7730/4/Pubing4201/CMH83.605//FC_big_spike/3/Zhoumai18	L932, L945, L954, L967, L977, L982, L1003, L1013, L1055, L1108, L1140, L1179, L1218, L1255	Medium GNPS, **Low KNS**	T:T
Pubing4201/CMH83.605//FC_big_spike/3/Zhoumai18	L1273, L1289, L1309, L1319, L1326, L1335, L1349, L1363, L1374, L1387, L1413, L1465, L1488	Medium GNPS, **Low KNS**	T:T
Commercial varieties			
n.d.	Zhoumai18, Jimai22, Xinong979, McGuire	Low GNPS, **Low KNS**	T:T

GNPS and KNS represents grain number per spike and kernel number per spikelet, respectively.