

**Genome-wide association study revealed that the *TaGW8* gene was associated
with kernel size in Chinese bread wheat**

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Supplementary Table S1. Correlation coefficient among agronomic traits in Chinese bread wheat

Traits	Kernel length	Kernel width	Kernel length/kernel width ratio	Thousand-kernel weight	Plant height	Panicle length	Pedicle length	Spikelet number per spike	Leaf length
Kernel width	0.30**								
Kernel length/kernel width ratio	0.74**	-0.34**							
Thousand-kernel weight	0.48**	0.69**	NS						
Plant height	NS	-0.21**	NS	-0.14*					
Panicle length	NS	-0.22**	0.15**	NS	0.18**				
Pedicle length	NS	-0.19**	0.14*	-0.15**	0.56**	0.12*			
Spikelet number per spike	NS	NS	NS	-0.13*	-0.15**	0.28**	-0.16**		
Leaf length	NS	-0.24**	0.19**	-0.20**	0.37**	0.35**	0.34**	0.22**	
Leaf width	NS	NS	NS	NS	-0.36**	0.29**	-0.17**	0.39**	0.14*
Kernel number per spike	-0.20**	-0.12*	NS	-0.36**	-0.24**	0.25**	-0.16**	0.56**	0.12*

Supplementary Table S2. Molecular characterization of TaGW8-B1a and TaGW8-B1b alleles in bread wheat

No.	Cultivar	Type	Allele
1	Xichang76-4	Modern cultivar	TaGW8-B1a
2	Xichang76-9	Modern cultivar	TaGW8-B1a
3	Huapeiai	Modern cultivar	TaGW8-B1a
4	Zaosui30	Modern cultivar	TaGW8-B1a
5	Lunong55055	Modern cultivar	TaGW8-B1a
6	Xinmai9987	Modern cultivar	TaGW8-B1a
7	Xinmai19	Modern cultivar	TaGW8-B1a
8	Ji874-109	Modern cultivar	TaGW8-B1a
9	Lainong9217	Modern cultivar	TaGW8-B1a
10	Han4589	Modern cultivar	TaGW8-B1a
11	Neixiang182	Modern cultivar	TaGW8-B1a
12	Ji923235	Modern cultivar	TaGW8-B1a
13	04Zhong70	Modern cultivar	TaGW8-B1a
14	Gaoyou503	Modern cultivar	TaGW8-B1a
15	Yuanfeng898	Modern cultivar	TaGW8-B1a
16	Jinmai50	Modern cultivar	TaGW8-B1a
17	Jinmai54	Modern cultivar	TaGW8-B1a
18	Yumai47	Modern cultivar	TaGW8-B1a
19	Jiaixiaomai1	Modern cultivar	TaGW8-B1a
20	Yunong949	Modern cultivar	TaGW8-B1a
21	Qingfeng1	Modern cultivar	TaGW8-B1a
22	Lumai15	Modern cultivar	TaGW8-B1a
23	Jinmai33	Modern cultivar	TaGW8-B1a
24	Jinmai47	Modern cultivar	TaGW8-B1a
25	BN160	Modern cultivar	TaGW8-B1a
26	Yumai13	Modern cultivar	TaGW8-B1a
27	Jimai36	Modern cultivar	TaGW8-B1a
28	Jimai41	Modern cultivar	TaGW8-B1a
29	Fengkang13	Modern cultivar	TaGW8-B1a
30	Shan160	Modern cultivar	TaGW8-B1a
31	Xiaoyan4	Modern cultivar	TaGW8-B1a
32	Lumai19	Modern cultivar	TaGW8-B1a
33	Jinmai49	Modern cultivar	TaGW8-B1a
34	Yumai10	Modern cultivar	TaGW8-B1a
35	Jimai30	Modern cultivar	TaGW8-B1a
36	Huabei187	Modern cultivar	TaGW8-B1a
37	Hanxuan3	Modern cultivar	TaGW8-B1a
38	Xinmai18	Modern cultivar	TaGW8-B1a
39	Yumai53	Modern cultivar	TaGW8-B1a
40	Neixiang184	Modern cultivar	TaGW8-B1a
41	Jinmai61	Modern cultivar	TaGW8-B1a
42	Zhoumai16	Modern cultivar	TaGW8-B1a
43	Yanzhan4110	Modern cultivar	TaGW8-B1a
44	Ji95-5219	Modern cultivar	TaGW8-B1a
45	Yunong9901	Modern cultivar	TaGW8-B1a
46	Xinmai11	Modern cultivar	TaGW8-B1a
47	Pumai9	Modern cultivar	TaGW8-B1a
48	Zhoumai18	Modern cultivar	TaGW8-B1a
49	Huaimai20	Modern cultivar	TaGW8-B1a
50	Kaimai14	Modern cultivar	TaGW8-B1a
51	Fanmai5	Modern cultivar	TaGW8-B1a
52	Lankaoaizao8	Modern cultivar	TaGW8-B1a

53	Biyumai	Modern cultivar	TaGW8-B1a
54	Shan229	Modern cultivar	TaGW8-B1a
55	Shannong7859	Modern cultivar	TaGW8-B1a
56	Changle5	Modern cultivar	TaGW8-B1a
57	Zhengzhou24	Modern cultivar	TaGW8-B1a
58	Yunong035	Modern cultivar	TaGW8-B1a
59	Shanghe6	Modern cultivar	TaGW8-B1a
60	Xifeng	Modern cultivar	TaGW8-B1a
61	Yangmai12	Modern cultivar	TaGW8-B1a
62	Yumai8	Modern cultivar	TaGW8-B1a
63	Heibao-2	Modern cultivar	TaGW8-B1a
64	Lankao90(6)52-24	Modern cultivar	TaGW8-B1a
65	Youmai2	Modern cultivar	TaGW8-B1a
66	Haocheng9411	Modern cultivar	TaGW8-B1a
67	Zhou91177	Modern cultivar	TaGW8-B1a
68	Xinmai3306	Modern cultivar	TaGW8-B1a
69	Xinmai9178	Modern cultivar	TaGW8-B1a
70	Xinmai3380	Modern cultivar	TaGW8-B1a
71	Shi4185	Modern cultivar	TaGW8-B1a
72	Zhenghua0840-3	Modern cultivar	TaGW8-B1a
73	Zhenghua3563	Modern cultivar	TaGW8-B1a
74	Xinmai20	Modern cultivar	TaGW8-B1a
75	Yan893xuan	Modern cultivar	TaGW8-B1a
76	Neijiang31	Modern cultivar	TaGW8-B1a
77	Lankao90(6)21-7	Modern cultivar	TaGW8-B1a
78	Lankao6	Modern cultivar	TaGW8-B1a
79	Bainong64	Modern cultivar	TaGW8-B1a
80	Laizhou953	Modern cultivar	TaGW8-B1a
81	Zhoumai17	Modern cultivar	TaGW8-B1a
82	Kaimai18	Modern cultivar	TaGW8-B1a
83	Jimai20	Modern cultivar	TaGW8-B1a
84	Zhengmai9023	Modern cultivar	TaGW8-B1a
85	Luohan2	Modern cultivar	TaGW8-B1a
86	Luohan3	Modern cultivar	TaGW8-B1a
87	Longmai157	Modern cultivar	TaGW8-B1a
88	Longmai862	Modern cultivar	TaGW8-B1a
89	Hemai026	Modern cultivar	TaGW8-B1a
90	Aikang58	Modern cultivar	TaGW8-B1a
91	Yumai57	Modern cultivar	TaGW8-B1a
92	Bonong5	Modern cultivar	TaGW8-B1a
93	Lumai23	Modern cultivar	TaGW8-B1a
94	Qianjinza	Modern cultivar	TaGW8-B1a
95	Pindong34	Modern cultivar	TaGW8-B1a
96	Wuyimai	Modern cultivar	TaGW8-B1a
97	Xian83(104)-11zhong"S"	Modern cultivar	TaGW8-B1a
98	Hezu2	Modern cultivar	TaGW8-B1a
99	Songhuajiang1	Modern cultivar	TaGW8-B1a
100	Jinshajiang1	Modern cultivar	TaGW8-B1a
101	Yuanzhu	Modern cultivar	TaGW8-B1a
102	Yunong4408	Modern cultivar	TaGW8-B1a
103	Xinong881	Modern cultivar	TaGW8-B1a
104	Fu9465	Modern cultivar	TaGW8-B1a
105	Yumai51	Modern cultivar	TaGW8-B1a

106	Ji5092	Modern cultivar	TaGW8-B1a
107	Jiai9	Modern cultivar	TaGW8-B1a
108	JiC522-9	Modern cultivar	TaGW8-B1a
109	JiC527-3	Modern cultivar	TaGW8-B1a
110	JiC524-7	Modern cultivar	TaGW8-B1a
111	Xinong85(47)	Modern cultivar	TaGW8-B1a
112	Yunong416	Modern cultivar	TaGW8-B1a
113	Zhoumai23	Modern cultivar	TaGW8-B1a
114	Yumai56	Modern cultivar	TaGW8-B1a
115	Yumai50	Modern cultivar	TaGW8-B1a
116	Yumai3	Modern cultivar	TaGW8-B1a
117	Yumai9	Modern cultivar	TaGW8-B1a
118	Zhoumai22	Modern cultivar	TaGW8-B1a
119	Yumai55	Modern cultivar	TaGW8-B1a
120	Yumai59	Modern cultivar	TaGW8-B1a
121	Yumai21	Modern cultivar	TaGW8-B1a
122	Yumai16	Modern cultivar	TaGW8-B1a
123	Fuyang936	Modern cultivar	TaGW8-B1a
124	Yumai14you	Modern cultivar	TaGW8-B1a
125	Ji95-6203	Modern cultivar	TaGW8-B1a
126	Yumai4	Modern cultivar	TaGW8-B1a
127	Yumai1	Modern cultivar	TaGW8-B1a
128	Xinong979	Modern cultivar	TaGW8-B1a
129	Yunong201	Modern cultivar	TaGW8-B1a
130	Zhengmai9694	Modern cultivar	TaGW8-B1a
131	Xinmai208	Modern cultivar	TaGW8-B1a
132	Yunong209	Modern cultivar	TaGW8-B1a
133	Mianyang86-11	Modern cultivar	TaGW8-B1a
134	Mianyang85-41	Modern cultivar	TaGW8-B1a
135	Chuan77-1293	Modern cultivar	TaGW8-B1a
136	Shuangji2	Modern cultivar	TaGW8-B1a
137	Shuangji4	Modern cultivar	TaGW8-B1a
138	Jingshuang16	Modern cultivar	TaGW8-B1a
139	Lumai14	Modern cultivar	TaGW8-B1a
140	Ji87guan739	Modern cultivar	TaGW8-B1a
141	Yumai18	Modern cultivar	TaGW8-B1a
142	Yanshi93(13)-1-1-0-1-1	Modern cultivar	TaGW8-B1a
143	Jingshuang2	Modern cultivar	TaGW8-B1a
144	Changnong339-5-1	Modern cultivar	TaGW8-B1a
145	Changwei18	Modern cultivar	TaGW8-B1a
146	SW607	Modern cultivar	TaGW8-B1a
147	Han99-6143	Modern cultivar	TaGW8-B1a
148	R25	Modern cultivar	TaGW8-B1a
149	Fu63	Modern cultivar	TaGW8-B1a
150	Yuanxie62	Modern cultivar	TaGW8-B1a
151	Jinan17	Modern cultivar	TaGW8-B1a
152	SW601	Modern cultivar	TaGW8-B1a
153	SW601	Modern cultivar	TaGW8-B1a
154	SW601	Modern cultivar	TaGW8-B1a
155	Neixiang237	Modern cultivar	TaGW8-B1a
156	Neixiang188	Modern cultivar	TaGW8-B1a
157	876	Modern cultivar	TaGW8-B1a
158	605	Modern cultivar	TaGW8-B1a

159	Xiaoyan54	Modern cultivar	TaGW8-B1a
160	Fengyou6	Modern cultivar	TaGW8-B1a
161	Zhongyou9507	Modern cultivar	TaGW8-B1a
162	Haocheng8901	Modern cultivar	TaGW8-B1a
163	R59	Modern cultivar	TaGW8-B1a
164	Heixiaomai	Modern cultivar	TaGW8-B1a
165	Xiaoyan6	Modern cultivar	TaGW8-B1a
166	Shan225	Modern cultivar	TaGW8-B1a
167	Shannong28	Modern cultivar	TaGW8-B1a
168	Xinong164	Modern cultivar	TaGW8-B1a
169	HP2-112	Modern cultivar	TaGW8-B1a
170	SW608	Modern cultivar	TaGW8-B1a
171	SW609	Modern cultivar	TaGW8-B1a
172	Han98-4025	Modern cultivar	TaGW8-B1a
173	NP209-1-2-1	Modern cultivar	TaGW8-B1a
174	Pingyang181	Modern cultivar	TaGW8-B1a
175	Jing411	Modern cultivar	TaGW8-B1a
176	Beijing8686	Modern cultivar	TaGW8-B1a
177	Xuzhou14	Modern cultivar	TaGW8-B1a
178	Yangmai4	Modern cultivar	TaGW8-B1a
179	Yangmai5	Modern cultivar	TaGW8-B1a
180	Shandong1870xi	Modern cultivar	TaGW8-B1a
181	Beijing837	Modern cultivar	TaGW8-B1a
182	SW604	Modern cultivar	TaGW8-B1a
183	SW625	Modern cultivar	TaGW8-B1a
184	Lu955159	Modern cultivar	TaGW8-B1a
185	Han97-5085	Modern cultivar	TaGW8-B1a
186	Han98-6026	Modern cultivar	TaGW8-B1a
187	Han94-8014	Modern cultivar	TaGW8-B1a
188	SW652	Modern cultivar	TaGW8-B1a
189	Beijing6	Modern cultivar	TaGW8-B1a
190	Weimai4	Modern cultivar	TaGW8-B1a
191	Zhongmai9	Modern cultivar	TaGW8-B1a
192	Jinan13	Modern cultivar	TaGW8-B1a
193	Beijing841	Modern cultivar	TaGW8-B1a
194	Jinan4	Modern cultivar	TaGW8-B1a
195	Zhengyin1	Modern cultivar	TaGW8-B1a
196	Yanda1817	Modern cultivar	TaGW8-B1a
197	Mianyang79-2	Modern cultivar	TaGW8-B1a
198	Sumai3	Modern cultivar	TaGW8-B1a
199	Yumai29	Modern cultivar	TaGW8-B1a
200	Shanhan8675	Modern cultivar	TaGW8-B1a
201	Fengkang8	Modern cultivar	TaGW8-B1a
202	Shi82-5448	Modern cultivar	TaGW8-B1a
203	Han93-4686	Modern cultivar	TaGW8-B1a
204	Jishen5099	Modern cultivar	TaGW8-B1a
205	Lankao5	Modern cultivar	TaGW8-B1a
206	Han94-5316	Modern cultivar	TaGW8-B1a
207	Shannong253	Modern cultivar	TaGW8-B1a
208	89150	Modern cultivar	TaGW8-B1a
209	Youxuan14xuan-1	Modern cultivar	TaGW8-B1a
210	RS9701	Modern cultivar	TaGW8-B1a
211	Shan354	Modern cultivar	TaGW8-B1a

212	Han97-5297	Modern cultivar	TaGW8-B1a
213	Lankao4	Modern cultivar	TaGW8-B1a
214	Xu9639	Modern cultivar	TaGW8-B1a
215	Jimai6	Modern cultivar	TaGW8-B1a
216	01-Zhong424	Modern cultivar	TaGW8-B1a
217	01-Zhong427	Modern cultivar	TaGW8-B1a
218	Yanyou361	Modern cultivar	TaGW8-B1a
219	Zhongyou9507(ai)	Modern cultivar	TaGW8-B1a
220	Zhengmai98	Modern cultivar	TaGW8-B1a
221	9783	Modern cultivar	TaGW8-B1a
222	Zhengmai9201	Modern cultivar	TaGW8-B1a
223	Fengyou8	Modern cultivar	TaGW8-B1a
224	Linkang5027	Modern cultivar	TaGW8-B1a
225	Henong2552	Modern cultivar	TaGW8-B1a
226	Kang4285	Modern cultivar	TaGW8-B1a
227	Chuanyu10	Modern cultivar	TaGW8-B1a
228	Xingmai1	Modern cultivar	TaGW8-B1a
229	Yanzhan1	Modern cultivar	TaGW8-B1a
230	92C11-4-1-13-3-11	Modern cultivar	TaGW8-B1a
231	96C21-67-2-28	Modern cultivar	TaGW8-B1a
232	Cang87-1	Modern cultivar	TaGW8-B1a
233	01-Shi88	Modern cultivar	TaGW8-B1a
234	R57	Modern cultivar	TaGW8-B1a
235	Zhengmai8998	Modern cultivar	TaGW8-B1a
236	Lankao1	Modern cultivar	TaGW8-B1a
237	Zhengda6	Modern cultivar	TaGW8-B1a
238	Nanda010-2776-2	Modern cultivar	TaGW8-B1a
239	Keyi26	Modern cultivar	TaGW8-B1a
240	Gao38	Modern cultivar	TaGW8-B1a
241	Anyang1	Modern cultivar	TaGW8-B1a
242	Chuanmai8	Modern cultivar	TaGW8-B1a
243	Yuandong107	Modern cultivar	TaGW8-B1a
244	Shan150(ck4)	Modern cultivar	TaGW8-B1a
245	Xianyangchaodasui	Modern cultivar	TaGW8-B1a
246	Guinong11	Modern cultivar	TaGW8-B1a
247	BeinongdaA43	Modern cultivar	TaGW8-B1a
248	Beinongda6282	Modern cultivar	TaGW8-B1a
249	Beinongda92	Modern cultivar	TaGW8-B1a
250	Ai2	Modern cultivar	TaGW8-B1a
251	Ai4	Modern cultivar	TaGW8-B1a
252	Nongda6282	Modern cultivar	TaGW8-B1a
253	Zhengzhou8761	Modern cultivar	TaGW8-B1a
254	Huaiyin9628	Modern cultivar	TaGW8-B1a
255	Shi012056*	Modern cultivar	TaGW8-B1a
256	Gaoyou22	Modern cultivar	TaGW8-B1a
257	Gaoyou25	Modern cultivar	TaGW8-B1a
258	Gaoyou28	Modern cultivar	TaGW8-B1a
259	Yanshi16	Modern cultivar	TaGW8-B1a
260	ShannongM12	Modern cultivar	TaGW8-B1a
261	ShannongM17	Modern cultivar	TaGW8-B1a
262	JiC524-1	Modern cultivar	TaGW8-B1a
263	Mianyang8640	Modern cultivar	TaGW8-B1a
264	Guinong16	Modern cultivar	TaGW8-B1a

265	Yumai43	Modern cultivar	TaGW8-B1a
266	Henong35-4-14	Modern cultivar	TaGW8-B1a
267	Mianyang8168-0-14	Modern cultivar	TaGW8-B1a
268	Wan798	Modern cultivar	TaGW8-B1a
269	Zhengzhou9405	Modern cultivar	TaGW8-B1a
270	Xinmai13	Modern cultivar	TaGW8-B1a
271	Bonong653	Modern cultivar	TaGW8-B1a
272	Shannong413863	Modern cultivar	TaGW8-B1a
273	Shan89150	Modern cultivar	TaGW8-B1a
274	Xian93991ai	Modern cultivar	TaGW8-B1a
275	Wansu9908	Modern cultivar	TaGW8-B1a
276	Xinmai9408*	Modern cultivar	TaGW8-B1a
277	Xuzhou954	Modern cultivar	TaGW8-B1a
278	Shannong972363	Modern cultivar	TaGW8-B1a
279	Zhengyou6	Modern cultivar	TaGW8-B1a
280	Jing2001*	Modern cultivar	TaGW8-B1a
281	Longmai977	Modern cultivar	TaGW8-B1a
282	Longmai908	Modern cultivar	TaGW8-B1a
283	98Shuijian-1*	Modern cultivar	TaGW8-B1a
284	Longmai135*	Modern cultivar	TaGW8-B1a
285	Longmai328*	Modern cultivar	TaGW8-B1a
286	Xiaoyan81*	Modern cultivar	TaGW8-B1a
287	Beinong95	Modern cultivar	TaGW8-B1a
288	Jinan124	Modern cultivar	TaGW8-B1a
289	Jimai1	Modern cultivar	TaGW8-B1a
290	Yumai35	Modern cultivar	TaGW8-B1a
291	Jinmai45	Modern cultivar	TaGW8-B1a
292	Xian8	Modern cultivar	TaGW8-B1a
293	Yangmai7	Modern cultivar	TaGW8-B1a
294	Aisheng3	Modern cultivar	TaGW8-B1a
295	Yangmai6	Modern cultivar	TaGW8-B1a
296	Jimai2	Modern cultivar	TaGW8-B1a
297	Hao9468	Modern cultivar	TaGW8-B1a
298	Hesheng2	Modern cultivar	TaGW8-B1a
299	Shi84-7111	Modern cultivar	TaGW8-B1b
300	Wenmai6	Modern cultivar	TaGW8-B1b
301	Jimai26	Modern cultivar	TaGW8-B1b
302	Zhengmai004	Modern cultivar	TaGW8-B1b
303	Taikong6	Modern cultivar	TaGW8-B1b
304	Jimai32	Modern cultivar	TaGW8-B1b
305	TengS15	Modern cultivar	TaGW8-B1b
306	Bainong95 (01) -1-A	Modern cultivar	TaGW8-B1b
307	Yunong202	Modern cultivar	TaGW8-B1b
308	Jimai38	Modern cultivar	TaGW8-B1b
309	Huaimai19	Modern cultivar	TaGW8-B1b
310	Yumai41	Modern cultivar	TaGW8-B1b
311	Aifeng3	Modern cultivar	TaGW8-B1b
312	Xinyang12	Modern cultivar	TaGW8-B1b
313	Yumai58	Modern cultivar	TaGW8-B1b
314	Yumai52	Modern cultivar	TaGW8-B1b
315	Zhoumai20	Modern cultivar	TaGW8-B1b
316	Yuan8444	Modern cultivar	TaGW8-B1b
317	Chang133	Modern cultivar	TaGW8-B1b

318	Yumai2	Modern cultivar	TaGW8-B1b
319	Bainong3217	Modern cultivar	TaGW8-B1b
320	Pinchun16	Modern cultivar	TaGW8-B1b
321	Ningchun10	Modern cultivar	TaGW8-B1b
322	Xinyin13-2	Modern cultivar	TaGW8-B1b
323	2820258	Modern cultivar	TaGW8-B1b
324	Zhengzhou005	Modern cultivar	TaGW8-B1b
325	Nannongda96Co76	Modern cultivar	TaGW8-B1b
326	XJ1	Modern cultivar	TaGW8-B1b
327	YN3	Modern cultivar	TaGW8-B1b
328	JiC527-2	Modern cultivar	TaGW8-B1b
329	Jihan2	Modern cultivar	TaGW8-B1b
330	Chixiaomai	Landrace	TaGW8-B1a
331	Chiyacao	Landrace	TaGW8-B1a
332	Fengchan3	Landrace	TaGW8-B1a
333	Bima4	Landrace	TaGW8-B1a
334	Chadianhong	Landrace	TaGW8-B1a
335	Hongxiuzi	Landrace	TaGW8-B1a
336	Fuzhuang30	Landrace	TaGW8-B1a
337	Heputou	Landrace	TaGW8-B1a
338	Hongquanmang	Landrace	TaGW8-B1a
339	Huixianhong	Landrace	TaGW8-B1a
340	Fan6	Landrace	TaGW8-B1a
341	Jiangdongmen	Landrace	TaGW8-B1a
342	Qianjiaomai	Landrace	TaGW8-B1a
343	Youbao	Landrace	TaGW8-B1a
344	Shanqianmai	Landrace	TaGW8-B1a
345	Damuzhiai	Landrace	TaGW8-B1a
346	Aimengniu	Landrace	TaGW8-B1a
347	Zhongnong28	Landrace	TaGW8-B1a
348	Nanda2419	Landrace	TaGW8-B1a
349	Nongda311	Landrace	TaGW8-B1a
350	Afu	Landrace	TaGW8-B1a
351	Zaoyangmai	Landrace	TaGW8-B1a
352	Xiaobaimai(jing856)	Landrace	TaGW8-B1a
353	Shenglimai	Landrace	TaGW8-B1a
354	Abo	Landrace	TaGW8-B1a
355	Ourou	Landrace	TaGW8-B1a
356	Nonglin10	Landrace	TaGW8-B1a
357	Shuiyuan86	Landrace	TaGW8-B1a
358	Luofulin10	Landrace	TaGW8-B1a
359	Ganmai8	Landrace	TaGW8-B1a
360	Ailiduo	Landrace	TaGW8-B1a
361	Yannong15	Landrace	TaGW8-B1a
362	Neixiang5	Landrace	TaGW8-B1a
363	Beijing6	Landrace	TaGW8-B1a
364	Xinong6028	Landrace	TaGW8-B1b
365	Jingyang60	Landrace	TaGW8-B1b
366	Tianning18	Modern cultivar	TaGW8-B1a
367	Zhongxin18	Modern cultivar	TaGW8-B1a
368	Jiamai99	Modern cultivar	TaGW8-B1a
369	Keyu368	Modern cultivar	TaGW8-B1a
370	Zhongmai108	Modern cultivar	TaGW8-B1a

371	Bainong1309	Modern cultivar	TaGW8-B1a
372	Hemai181	Modern cultivar	TaGW8-B1a
373	Taixue30	Modern cultivar	TaGW8-B1a
374	Qunximai11	Modern cultivar	TaGW8-B1a
375	Fengtian18	Modern cultivar	TaGW8-B1a
376	Heyu1	Modern cultivar	TaGW8-B1a
377	Shengmai102	Modern cultivar	TaGW8-B1a
378	Xinmai68	Modern cultivar	TaGW8-B1a
379	Zhengmai1869	Modern cultivar	TaGW8-B1a
380	Hongmai618	Modern cultivar	TaGW8-B1a
381	Fengdecunmai20	Modern cultivar	TaGW8-B1a
382	Xinyoumai2	Modern cultivar	TaGW8-B1a
383	Fanmai533	Modern cultivar	TaGW8-B1a
384	Xingnong168	Modern cultivar	TaGW8-B1a
385	Yanmai9719	Modern cultivar	TaGW8-B1a
386	Luo1807	Modern cultivar	TaGW8-B1a
387	Yanfeng712	Modern cultivar	TaGW8-B1a
388	Zimai627	Modern cultivar	TaGW8-B1a
389	Yunong805	Modern cultivar	TaGW8-B1a
390	Zhengxin758	Modern cultivar	TaGW8-B1a
391	Gengmai256	Modern cultivar	TaGW8-B1a
392	Fumai188	Modern cultivar	TaGW8-B1a
393	Lunxuan162	Modern cultivar	TaGW8-B1a
394	Jingjiumai11	Modern cultivar	TaGW8-B1a
395	Yunong804	Modern cultivar	TaGW8-B1a
396	Gengmai237	Modern cultivar	TaGW8-B1a
397	Jinmai1	Modern cultivar	TaGW8-B1a
398	Liming28	Modern cultivar	TaGW8-B1a
399	Qinmai158	Modern cultivar	TaGW8-B1a
400	Junmai118	Modern cultivar	TaGW8-B1a
401	Caiyuan1	Modern cultivar	TaGW8-B1a
402	Junhe183	Modern cultivar	TaGW8-B1a
403	Ximai505	Modern cultivar	TaGW8-B1a
404	Kaimai26	Modern cultivar	TaGW8-B1a
405	Zhoukang918	Modern cultivar	TaGW8-B1a
406	Zhengnong06118	Modern cultivar	TaGW8-B1a
407	Nongda399	Modern cultivar	TaGW8-B1a
408	Zhongying012	Modern cultivar	TaGW8-B1a
409	Zhouyumai36	Modern cultivar	TaGW8-B1a
410	Jinying18	Modern cultivar	TaGW8-B1a
411	Zhengmai082	Modern cultivar	TaGW8-B1a
412	Zhengmai516	Modern cultivar	TaGW8-B1a
413	Xuke877	Modern cultivar	TaGW8-B1a
414	Zhongkenmai7	Modern cultivar	TaGW8-B1a
415	Chuangxing6	Modern cultivar	TaGW8-B1a
416	Luyuan502	Modern cultivar	TaGW8-B1a
417	Zhongfengmai2	Modern cultivar	TaGW8-B1a
418	Hengmai18	Modern cultivar	TaGW8-B1a
419	Neimai6	Modern cultivar	TaGW8-B1a
420	Fengbao8	Modern cultivar	TaGW8-B1a
421	Tianhe6	Modern cultivar	TaGW8-B1a
422	Xinmai37	Modern cultivar	TaGW8-B1a
423	Yufeng702	Modern cultivar	TaGW8-B1a

424	Yushengmai119	Modern cultivar	TaGW8-B1a
425	Hemai6	Modern cultivar	TaGW8-B1a
426	Junmai667	Modern cultivar	TaGW8-B1a
427	Nongfeng111	Modern cultivar	TaGW8-B1a
428	Wenliang1	Modern cultivar	TaGW8-B1a
429	Pingan0602	Modern cultivar	TaGW8-B1a
430	Huayu3568	Modern cultivar	TaGW8-B1a
431	Guangtai369	Modern cultivar	TaGW8-B1a
432	Yunong169	Modern cultivar	TaGW8-B1a
433	Zhonglemmai9	Modern cultivar	TaGW8-B1a
434	Jinsui8	Modern cultivar	TaGW8-B1a
435	Jingkemai6	Modern cultivar	TaGW8-B1a
436	Xinxuan17	Modern cultivar	TaGW8-B1a
437	TH161	Modern cultivar	TaGW8-B1a
438	Jinmai108	Modern cultivar	TaGW8-B1a
439	Jinyan5	Modern cultivar	TaGW8-B1a
440	Huayu126	Modern cultivar	TaGW8-B1a
441	Baiqiang1201	Modern cultivar	TaGW8-B1a
442	Yimai8	Modern cultivar	TaGW8-B1a
443	Hefeng3	Modern cultivar	TaGW8-B1a
444	Lunxuan163	Modern cultivar	TaGW8-B1a
445	Yunong019	Modern cultivar	TaGW8-B1a
446	Zhongle8	Modern cultivar	TaGW8-B1a
447	Ruisen218	Modern cultivar	TaGW8-B1a
448	Fannong3	Modern cultivar	TaGW8-B1a
449	Hemai2	Modern cultivar	TaGW8-B1a
450	Xuke732	Modern cultivar	TaGW8-B1a
451	Jinmai14	Modern cultivar	TaGW8-B1a
452	Haozhuangjia1	Modern cultivar	TaGW8-B1a
453	Xuyou46	Modern cultivar	TaGW8-B1a
454	Xumai457	Modern cultivar	TaGW8-B1a
455	Fengdecunmai19	Modern cultivar	TaGW8-B1a
456	Hangmai8	Modern cultivar	TaGW8-B1a
457	L668	Modern cultivar	TaGW8-B1a
458	Qiangmai29	Modern cultivar	TaGW8-B1a
459	Luyan260	Modern cultivar	TaGW8-B1a
460	Yanhao306	Modern cultivar	TaGW8-B1a
461	Caizhi204	Modern cultivar	TaGW8-B1a
462	Zhengpinmai24	Modern cultivar	TaGW8-B1a
463	Anyumai18	Modern cultivar	TaGW8-B1a
464	Wenyu019	Modern cultivar	TaGW8-B1a
465	Dapingyuan18	Modern cultivar	TaGW8-B1a
466	Jingyumai1	Modern cultivar	TaGW8-B1a
467	Luomai718	Modern cultivar	TaGW8-B1a
468	Yanmai26	Modern cultivar	TaGW8-B1a
469	Junsui188	Modern cultivar	TaGW8-B1a
470	Tianmai119	Modern cultivar	TaGW8-B1a
471	Fengmai53	Modern cultivar	TaGW8-B1a
472	Danmai108	Modern cultivar	TaGW8-B1a
473	Xinmai38	Modern cultivar	TaGW8-B1a
474	Changshengmai1	Modern cultivar	TaGW8-B1a
475	Defeng108	Modern cultivar	TaGW8-B1a
476	Shaomai25	Modern cultivar	TaGW8-B1a

477	Tongfeng736	Modern cultivar	TaGW8-B1a
478	Meng615	Modern cultivar	TaGW8-B1a
479	Boyu866	Modern cultivar	TaGW8-B1a
480	Jiamei8	Modern cultivar	TaGW8-B1a
481	Xianhong169	Modern cultivar	TaGW8-B1a
482	Yanmai888	Modern cultivar	TaGW8-B1a
483	Shengyuan928	Modern cultivar	TaGW8-B1a
484	Jun5366	Modern cultivar	TaGW8-B1a
485	Xuke682	Modern cultivar	TaGW8-B1a
486	Xinzhi519	Modern cultivar	TaGW8-B1a
487	Xuyan2	Modern cultivar	TaGW8-B1a
488	Hangmai6	Modern cultivar	TaGW8-B1a
489	Yulong1325	Modern cultivar	TaGW8-B1a
490	Fanmai536	Modern cultivar	TaGW8-B1a
491	Yufeng1366	Modern cultivar	TaGW8-B1a
492	Xinmai12	Modern cultivar	TaGW8-B1a
493	Xunong618	Modern cultivar	TaGW8-B1a
494	Ningnong718	Modern cultivar	TaGW8-B1a
495	Yuyan168	Modern cultivar	TaGW8-B1a
496	Shunmai8	Modern cultivar	TaGW8-B1a
497	Tunmai728	Modern cultivar	TaGW8-B1a
498	Aomai18	Modern cultivar	TaGW8-B1a
499	Xu331	Modern cultivar	TaGW8-B1a
500	Pumai27	Modern cultivar	TaGW8-B1a
501	Tianlaoda3	Modern cultivar	TaGW8-B1a
502	Xingyu7	Modern cultivar	TaGW8-B1a
503	Xinong18	Modern cultivar	TaGW8-B1a
504	Yongfengnong2	Modern cultivar	TaGW8-B1a
505	Guangtai213	Modern cultivar	TaGW8-B1a
506	Qiule2126	Modern cultivar	TaGW8-B1a
507	Nongfeng8210	Modern cultivar	TaGW8-B1a
508	Saidemai7	Modern cultivar	TaGW8-B1a
509	Dongfanghongmai6	Modern cultivar	TaGW8-B1a
510	Jinmai18	Modern cultivar	TaGW8-B1a
511	Jimai210	Modern cultivar	TaGW8-B1a
512	Kaimai27	Modern cultivar	TaGW8-B1a
513	Jinmai109	Modern cultivar	TaGW8-B1a
514	Hengda58	Modern cultivar	TaGW8-B1a
515	Maifeng9	Modern cultivar	TaGW8-B1a
516	Jinchengmai10	Modern cultivar	TaGW8-B1a
517	Xianmai15	Modern cultivar	TaGW8-B1a
518	Yanmai988	Modern cultivar	TaGW8-B1a
519	Xianyuan988	Modern cultivar	TaGW8-B1a
520	Lunxuan169	Modern cultivar	TaGW8-B1a
521	Xinmai8	Modern cultivar	TaGW8-B1a
522	Wenmai29	Modern cultivar	TaGW8-B1a
523	Wenyuan0528	Modern cultivar	TaGW8-B1a
524	Jinwoye1	Modern cultivar	TaGW8-B1a
525	Changmai13	Modern cultivar	TaGW8-B1a
526	Kun169	Modern cultivar	TaGW8-B1a
527	SM110	Modern cultivar	TaGW8-B1a
528	Bainong219	Modern cultivar	TaGW8-B1a
529	Sanhe1	Modern cultivar	TaGW8-B1a

530	Xizawuahao	Modern cultivar	TaGW8-B1a
531	Yufeng6	Modern cultivar	TaGW8-B1a
532	Dapingyuan007	Modern cultivar	TaGW8-B1a
533	Songmai518	Modern cultivar	TaGW8-B1a
534	Shengzhou209	Modern cultivar	TaGW8-B1a
535	Yunong99	Modern cultivar	TaGW8-B1a
536	Shangmai162	Modern cultivar	TaGW8-B1a
537	Junmai612	Modern cultivar	TaGW8-B1a
538	Jiyanmai10	Modern cultivar	TaGW8-B1a
539	Aifeng338	Modern cultivar	TaGW8-B1a
540	Fengmai52	Modern cultivar	TaGW8-B1a
541	Chuangmai11	Modern cultivar	TaGW8-B1a
542	Wanmai99	Modern cultivar	TaGW8-B1a
543	Xinhuamai818	Modern cultivar	TaGW8-B1a
544	Zhumai706	Modern cultivar	TaGW8-B1a
545	Taifeng11	Modern cultivar	TaGW8-B1a
546	Zhongmai10	Modern cultivar	TaGW8-B1a
547	Jinchengmai12	Modern cultivar	TaGW8-B1a
548	Chuangxin106	Modern cultivar	TaGW8-B1a
549	Huaichuan361	Modern cultivar	TaGW8-B1a
550	Xianmai522	Modern cultivar	TaGW8-B1a
551	Jinfeng216	Modern cultivar	TaGW8-B1a
552	Jinzhao638	Modern cultivar	TaGW8-B1a
553	Xiangmai1123	Modern cultivar	TaGW8-B1a
554	Lunxuan167	Modern cultivar	TaGW8-B1a
555	Xuke158	Modern cultivar	TaGW8-B1a
556	Chuangxin116	Modern cultivar	TaGW8-B1a
557	Zhengda101	Modern cultivar	TaGW8-B1a
558	Ximai329	Modern cultivar	TaGW8-B1a
559	Luomai166	Modern cultivar	TaGW8-B1a
560	Fannong1	Modern cultivar	TaGW8-B1a
561	Kelinmai969	Modern cultivar	TaGW8-B1a
562	Bomai118	Modern cultivar	TaGW8-B1a
563	Wohua066	Modern cultivar	TaGW8-B1a
564	Minfeng296	Modern cultivar	TaGW8-B1a
565	Zimai615	Modern cultivar	TaGW8-B1a
566	Xuanmai6	Modern cultivar	TaGW8-B1a
567	Weinong208	Modern cultivar	TaGW8-B1a
568	Yingmai182	Modern cultivar	TaGW8-B1a
569	Shenhua208	Modern cultivar	TaGW8-B1a
570	Jumai66	Modern cultivar	TaGW8-B1a
571	Yufeng2	Modern cultivar	TaGW8-B1a
572	Yumai117	Modern cultivar	TaGW8-B1a
573	LiangyuanA6	Modern cultivar	TaGW8-B1a
574	Zhenmai5	Modern cultivar	TaGW8-B1a
575	Xinxuan16	Modern cultivar	TaGW8-B1a
576	Lifu05	Modern cultivar	TaGW8-B1a
577	Fanyumai18	Modern cultivar	TaGW8-B1a
578	Yingman180	Modern cultivar	TaGW8-B1a
579	Xianmai521	Modern cultivar	TaGW8-B1a
580	Jiangmai816	Modern cultivar	TaGW8-B1a
581	Danmai118	Modern cultivar	TaGW8-B1a
582	Tianmin688	Modern cultivar	TaGW8-B1a

583	Shunmai299	Modern cultivar	TaGW8-B1a
584	Xuyan3	Modern cultivar	TaGW8-B1a
585	Zhengda3087	Modern cultivar	TaGW8-B1a
586	Zhaofeng668	Modern cultivar	TaGW8-B1a
587	Fengmai10	Modern cultivar	TaGW8-B1a
588	Chuangxing26	Modern cultivar	TaGW8-B1a
589	Yufeng1	Modern cultivar	TaGW8-B1a
590	Neile268	Modern cultivar	TaGW8-B1a
591	Pinghuayan3	Modern cultivar	TaGW8-B1a
592	Hongtaiyang2	Modern cultivar	TaGW8-B1a
593	Tianlaoda1	Modern cultivar	TaGW8-B1a
594	Xinyanmai98	Modern cultivar	TaGW8-B1a
595	Hongmai186	Modern cultivar	TaGW8-B1a
596	Huayan328	Modern cultivar	TaGW8-B1a
597	Huimai216	Modern cultivar	TaGW8-B1a
598	Nongda2018	Modern cultivar	TaGW8-B1a
599	Jiyanmai7	Modern cultivar	TaGW8-B1a
600	Jinfeng205	Modern cultivar	TaGW8-B1a
601	Taihemai3	Modern cultivar	TaGW8-B1a
602	Zhengke6	Modern cultivar	TaGW8-B1a
603	Jiamai6	Modern cultivar	TaGW8-B1b
604	Zhengmai518	Modern cultivar	TaGW8-B1b
605	Yanke316	Modern cultivar	TaGW8-B1b
606	Luomai2	Modern cultivar	TaGW8-B1b
607	Zhengnong5222	Modern cultivar	TaGW8-B1b
608	Liangmai958	Modern cultivar	TaGW8-B1b
609	Luomai32	Modern cultivar	TaGW8-B1b
610	Yanmai68	Modern cultivar	TaGW8-B1b
611	Mengnong1	Modern cultivar	TaGW8-B1b