

Supplementary Data

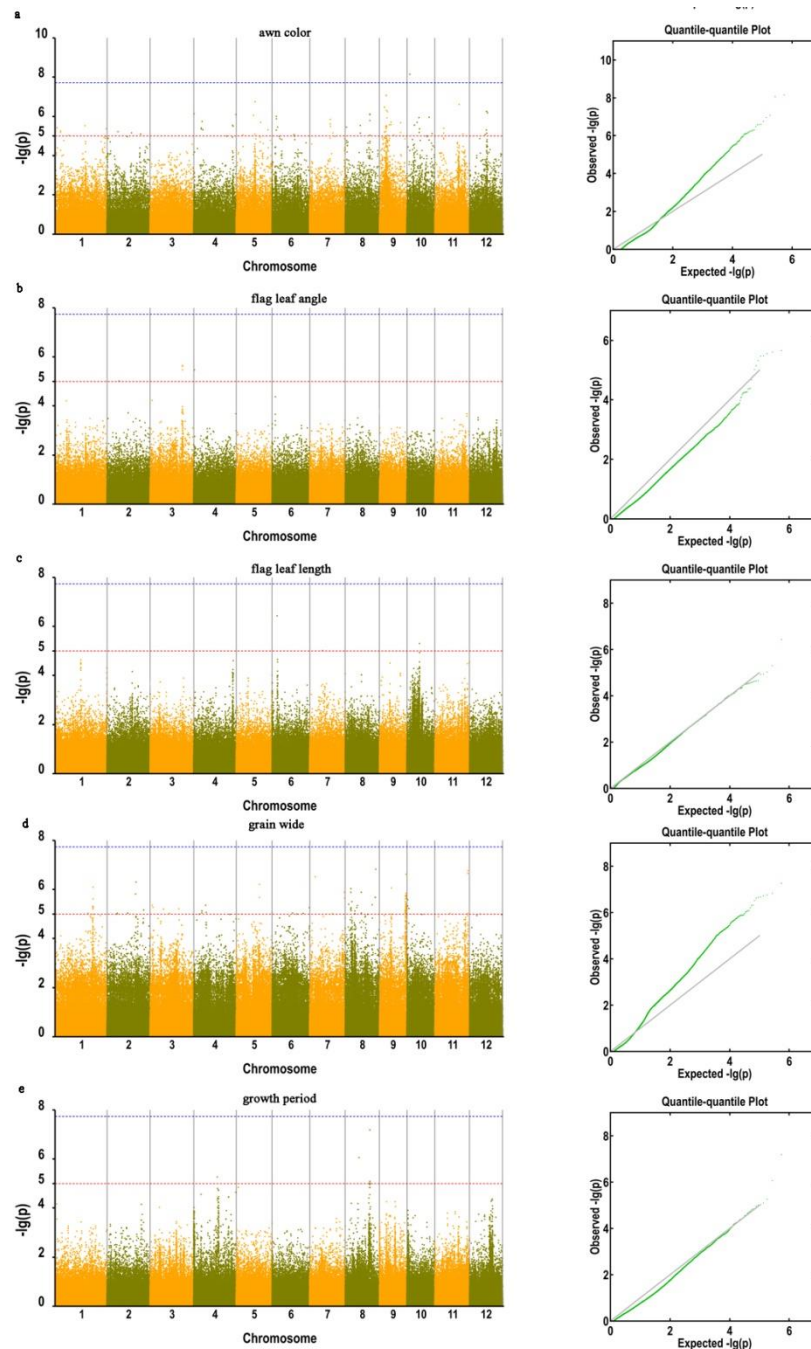


Fig. S1: GLM Manhattan plots and quantile-quantile plot for awn color, flag leaf angle, flag leaf length, grain width, and growth period.

- (a) Manhattan plots of the GLM and quantile-quantile plot of the GLM for awn color,
- (b) Manhattan plots of the GLM and quantile-quantile plot of the GLM for flag leaf angle,
- (c) Manhattan plots of the GLM and quantile-quantile plot of the GLM for flag leaf length,
- (d) Manhattan plots of the GLM and quantile-quantile plot of the GLM for grain width, and
- (e) Manhattan plots of the GLM and quantile-quantile plot of the GLM for growth period.

Table S1: The sample list of rice landraces in Qiandongnan

No.	Sample name	No.	Sample name	No.	Sample name
1	Gou dang	23	Cong jiang lao xiang he	45	Gao bai jiu
2	Gao gong gui	24	Cong jiang xiao xiang he	46	Gou gun
3	Gou du dui	25	Cong jiang hong pi nuo	47	Lao he
4	Gou dan dang	26	Li ping za bian he	48	Gou bing gui
5	Gou yang dang	27	Li ping bai nuo	49	Gao qian xiang
6	Gou jin gao	28	Li ping gao nuo	50	Gong ge xiang
7	Bei weng shao	29	Rong jiang zhe he 1	51	Cong jiang xiang nuo
8	Gai yang	30	Dan zhai leng shui nuo	52	Lei shan bai mang gu
9	Lai shang	31	Ma jiang tian geng nuo he	53	Cong jiang zhe he 9
10	Gong gu tun	32	Cong jiang xiang gu	54	Cong jiang hei he 2
11	Du di	33	Cong jiang hei nuo	55	Cong jiang nuo he 2
12	Gong gui he	34	Jin ping nuo gu	56	Cong jiang hei he 1
13	Da bao	35	Gou gao qian	57	Cong jiang niu mang he
14	Gan yuan	36	Li ping lan han gu	58	Ma jiang tian geng nuo
15	Lai long	37	Jian he hong gu	59	Gou jin gao
16	Hei he	38	Jian he xiao sui gu	60	Lei shan hong mi
17	Cong jiang zhe nuo	39	Lei shan lao ma gu	61	Hai nan ye xian
18	Cong jiang zhe he	40	Ma jiang hong mi	62	Hai nan ye jing
19	Cong jiang xiang he 1	41	Rong jiang nuo gu	63	Nipponbare
20	Cong jiang xiang he 2	42	Gou gun lao	64	93-11
21	Cong jiang xiang he 3	43	Gou yao		
22	Cong jiang xi xiang he	44	La ang		

Samples 1 to 60 are the Qiandongnan rice landraces; the samples with “Gu” as the last word or “hong mi” in their names are “Gu” (marked with bold font), and the rest of the samples are “He” (some of them have “He” in their name, while in others, “He” is omitted in oral transmission. Sample No. 61 is Hai nan ye xian, and sample No. 62 is Hai nan ye jing, which represent wild rice. Sample No. 63 is Nipponbare and No. 64 is 93-11, which represent *japonica* and *indica* rice, respectively.

Table S2: The reads number of the rice landraces in Qiandongnan

Sample No.	Reads Num.	Sample No.	Reads Num.
1	3,176,670	32	2,795,069
2	2,920,253	33	3,065,083
3	2,539,129	34	2,414,536
4	3,219,546	35	3,254,954
5	3,163,337	36	3,188,976
6	2,849,991	37	3,242,583
7	2,654,146	38	2,762,240
8	3,533,714	39	2,417,473
9	3,094,928	40	3,031,791
10	2,758,082	41	3,180,178
11	2,887,755	42	3,042,734
12	3,031,633	43	3,593,472
13	3,096,385	44	3,011,674
14	3,383,537	45	2,991,842
15	2,994,125	46	2,211,206
16	2,742,525	47	2,795,534
17	3,099,030	48	3,078,028
18	3,080,974	49	2,261,139
19	2,453,150	50	1,953,072
20	3,205,548	51	2,523,177
21	3,043,890	52	3,318,231
22	3,108,520	53	2,821,936
23	2,914,449	54	2,908,824
24	2,157,176	55	2,913,657
25	2,512,436	56	2,979,354
26	2,893,411	57	2,387,864
27	3,307,921	58	2,548,675
28	2,755,153	59	2,860,022
29	2,740,866	60	2,532,564
30	3,495,263	61	4,213,381
31	2,644,612	62	4,530,352

The sample numbers in this table correspond to the sample numbers in Table 1. The reads number represents the reads numbers obtained by the sequencing of each material.