

Supplementary Table 4. Characteristics of an ultra-density-genetic map developed using combining SNPs annotated on the Nipponbare genome as well as 12 population-specific pseudo-chromosomes

Chromosomes	Number of Markers	Length (cM)	Average Spacing (cM)	Maximum Spacing (cM)
1	2035	311.5	0.2	13.5
2	1146	200.2	0.2	17.5
3	991	277.8	0.3	11.4
4	1037	214.6	0.2	8.3
5	1403	259.4	0.2	14.8
6	916	159.6	0.2	21.3
7	1315	145	0.1	16.6
8	1241	197.3	0.2	9.5
9	329	109.2	0.3	22.2
10	1156	153.9	0.1	6.8
11	980	137.6	0.1	7.4
12	1244	146.2	0.1	12.6
Total	13793	2312.2	0.2	22.2