

Supplementary Table S1 Distribution of markers in the different linkage groups of Arina/Cezanne RIL population.

Chromosome	Markers per chromosome	Chromosome length (cM)
A genome		
1A.1	4	7.4
1A.2	17	15.8
1A.3	34	13.1
2A	493	283.7
3A.1	49	10.7
3A.2	302	236.3
4A	393	188.9
5A.1	257	140.3
5A.2	64	57.8
6A.1	114	58.7
6A.2	50	63.4
6A.3	64	67.9
7A.1	379	166.1
7A.2	149	119.0
Total	2369	1429.0
B Genome		
1B.1	513	142.2
1B.2	86	48.0
2B.1	83	24.3
2B.2	703	209.9
3B.1	424	142.1
3B.2	58	16.2
3B.3	57	19.5
3B.4	2	0.5
4B.1	55	15.1
4B.2	200	127.4
5B.1	65	35.8
5B.2	74	32.1
5B.3	195	98.2
6B	690	222.9
7B.1	118	70.8
7B.2	14	11.3
7B.3	276	82.3
Total	3613	1298.6
D Genome		
1D.1	17	7.9
1D.2	42	27.8

1D.3	46	75.7
1D.4	8	12.0
2D.1	239	134.2
2D.2	66	63.6
3D.1	77	21.3
3D.2	35	23.0
3D.3	18	28.9
3D.4	39	36.2
4D.1	4	1.1
4D.2	36	80.2
5D.1	66	39.1
5D.2	13	20.4
5D.3	28	54.7
5D.4	69	31.3
6D.1	7	7.5
6D.2	59	64.2
6D.3	81	26.3
6D.4	3	4.1
7D.1	71	33.5
7D.2	93	97.2
7D.3	16	35.6
Total	1133	925.9
Total of A+B+ D Genome	7115	3653.5