

**Table S2 – Composition of the susceptible bulk BS**

Graphical genotypes of BS containing 16 progenies in (cms)HA342xARG1575-2 and their marker scores are shown. Abbreviations are explained at the end of the table.

F2 progeny	CRT 272	ORS 543	ORS 1128	ORS 1182	ORS 610	ORS 509	Target region							ORS 053	ORS 959	ORS 371
							ORS 662	ORS 716	$P_{I_{ARG}}$	RGC 151	HT 722	HT 446	HT 324			
1 4006-056	A	A	A	A	A	A	A	A	n.d.	A	A	A	H	H	H	H
2 4007-006	A	A	A	A	A	A	A	A	n.d.	A	A	A	H	H	H	H
3 4007-034	A	A	A	A	A	A	A	A	A	A	A	A	A	H	H	H
4 4007-126	A	A	A	A	A	A	A	A	A	A	A	A	H	H	H	H
5 4008-120	A	A	A	A	A	A	A	A	A	A	A	A	A	H	H	H
6 4008-195	A	A	A	A	A	A	A	A	n.d.	A	A	A	A	H	H	H
7 4010-007	A	A	A	A	A	A	A	A	A	A	A	A	A	H	H	H
8 4010-034	A	A	A	A	A	A	A	A	n.d.	A	A	A	A	H	H	H
9 4010-199	A	A	A	A	A	A	A	A	A	A	A	A	A	H	H	H
10 390	A	A	A	A	A	A	A	A	A	A	A	A	A	H	H	H
11 1010	A	A	A	A	A	A	A	A	A	A	A	A	A	H	H	H
12 1343	A	A	A	A	A	A	A	A	A	A	A	A	A	H	H	H
13 1731	A	A	A	A	A	A	A	A	A	A	A	A	A	H	H	H
14 2127	A	A	A	A	A	A	A	A	A	A	A	A	A	H	H	H
15 2245	A	A	A	A	A	A	A	A	A	A	A	A	H	H	H	H
16 2394	A	A	A	A	A	A	A	A	A	A	A	A	A	H	H	H

yellow / A: (cms)HA342 allele

grey / H: heterozygous

n.d.: not determined