

Supplementary Table S2 Physical distance and significance of Fisher’s exact test (pair-wise linkage disequilibrium test) between alleles on three supercontigs of *Sclerotinia sclerotiorum* in seven genetic clusters (number of unique haplotypes in parenthesis) inferred by STRUCTURE after clone correction

Locus pair	Distance (kb)	Genetic clusters of posterior probability						
		Red (23)	Yellow (39)	Blue (34)	Light Blue (22)	Brown (33)	Pink (24)	Green (29)
Supercontig 3 (Chromosome 4)								
3A vs. 3B	56	0.036	0.028	0.01	0.0	0.03	0.0	0.016
3B vs. 3C	156	0.66	0.033	0.71	0.014	0.004	0.06	1.0
3A vs. 3C	212	1.0	0.02	1.0	0.04	0.19	0.75	1.0
Supercontig 9 (Chromosome 6)								
9B vs. 9C	1000	n/a ^a	0.0	n/a ^a	0.42	0.0	0.006	0.12
9A vs. 9B	4000	n/a ^a	0.01	0.41	0.4	0.13	0.31	0.19
9A vs. 9C	5000	n/a ^a	0.033	n/a ^a	0.59	0.2	0.9	0.86
Supercontig 19 (Chromosome 5)								
19B vs. 19C	14.2	1.0	0.13	0.03	0.002	0.27	0.0	n/a ^a
19A vs. 19B	247	0.47	0.05	0.35	0.38	0.05	0.06	1.0
19A vs. 19C	261.2	1.0	0.01	0.03	0.31	0.08	0.13	n/a ^a

^an/a – presence of monomorphic loci in the genetic clusters made LD test not applicable.