

Supplementary Table S9. Association of SNPs and mortality and NDVI variables in different Brazilian soybean genotypes under flooding conditions.

Experiment 4					
Molecular Marker	N ⁽¹⁾	Mortality		NDVI	
		M ⁽²⁾ (%)	<i>p</i> -value	M ⁽³⁾	<i>p</i> -value
GSM0599					
CC	74	54.41	0.44	0.45	0.40
GG	2	52.5		0.44	
GSM0600					
AA	65	54.6	0.4	0.45	0.35
CC	11	53.1		0.44	
GSM0601					
TT	53	53.3	0.23	0.45	0.29
AA	22	57		0.44	
GSM0602					
TT	52	53.4	0.45	0.45	0.18
AA	17	54.1		0.44	
GSM0603					
TT	37	52.8	0.29	0.46	0.19
GG	36	55.2		0.44	
GSM0604					
TT	51	52.9	0.16	0.46	0.04
AA	22	57.7		0.43	
GSM0605					
TT	23	47.65	0.03	0.47	0.02
GG	50	55.94		0.44	
GSM0611					
TT	45	53.47	0.48	0.46	0.07
CC	28	53.74		0.44	
GSM0612					

TT	32	49.38	0.02	0.45	0.3
CC	41	58.22		0.44	
GSM0613					
GG	32	49.38	0.03	0.45	0.33
AA	39	58.05		0.45	
GSM0614					
CC	26	48.35	0.02	0.46	0.27
AA	49	57.12		0.45	
GSM0615					
GG	42	53.07	0.38	0.46	0.18
AA	29	54.31		0.44	
GSM0616					
TT	42	55.26	0.32	0.45	0.42
CC	31	53.23		0.45	
GSM0617					
TT	23	53.91	0.49	0.47	0.05
AA	50	54		0.44	
GSM0618					
TT	21	53.33	0.33	0.47	0.04
CC	52	55.44		0.44	
GSM0619					
TT	73	54.05	0.24	0.45	0.06
GG	3	61.67		0.4	
GSM0620					
GG	74	45	nd	0.46	0.36
AA	1	54.74		0.45	
GSM0621					
AA	75	45	nd	0.46	0.36
TT	1	54.48		0.45	
GSM0622					
GG	43	53	0.29	0.44	0.39

AA	29	55.45		0.45	
GSM0623					
TT	22	53.1	0.23	0.45	0.49
AA	50	56.59		0.45	
GSM0625					
GG	46	52.8	0.22	0.46	0.12
AA	28	56.29		0.44	
GSM0626					
GG	47	53.4	0.28	0.45	0.39
AA	29	55.9		0.45	

(1) Number of genotypes classified in each group and (2) (3) Average mortality and NDVI, respectively, of soybean in the 2018/19 season, experiment 4. nd: data not available. Values in bold highlights p-values < 0.05 obtained by t-test.