

**Table S4.** Mutants identified in the *QRX3* locus and their phenotype in response to inoculation to *Xcc568*.

Mutant #	Gene Accession	Mutant library <sup>1</sup>	Mutant Accession No	Disease Index <sup>2</sup>	Phenotype <sup>3</sup>
1	At3g57670	SALK	N507406	1.12	R
2	At3g57670	SALK	N655509	0.53	R
3	At3g57670	SAIL	N874719	0.19	R
4	At3g57680	SALK	N501461	1.20	R
5	At3g57680	SALK	N633692	1.27	R
6	At3g57680	SAIL	N808146	0.55	R
7	At3g57680	SAIL	N876763	0.61	R
8	At3g57690	Wisc	N849054	0.50	R
9	At3g57690	Wisc	N856964	0.67	R
10	At3g57700	SALK	N525615	0.49	R
<b>11</b>	<b>At3g57710</b>	SALK	<b>N630926</b>	<b>3.24</b>	<b>S</b>
12	At3g57710	SALK	N519218	0.45	R
13	At3g57720	SAIL	N841306	0.93	R
14	At3g57720	Wisc	N856501	0.17	R
15	At3g57730	Wisc	N858031	0.51	R
16	At3g57730	SAIL	N806177	0.37	R
17	At3g57730	GABI	191E08	0.42	R
18	At3g57740	CSHL	GT8984	0.11	R
19	At3g57750	SALK	N518065	0.47	R
20	At3g57760	SAIL	N839785	0.43	R
21	At3g57760	GABI	685C10	0.97	R
22	At3g57765	SALK	N565826	0.92	R
23	At3g57770	GABI	452B04	1.00	R
24	At3g57770	SAIL	N832413	0.79	R
25	At3g57780	GABI	849G11	0.32	R
26	At3g57785	SALK	N523082	0.94	R
27	At3g57785	SALK	N594682	0.03	R
28	At3g57790	SALK	N544657	0.75	R
29	At3g57790	SAIL	N825485	0.50	R
30	At3g57800	SALK	N502003	0.22	R
31	At3g57800	SAIL	N831493	0.82	R
32	At3g57800	SALK	N511022	0.11	R
33	At3g57800	SALK	N511030	ND	R
34	At3g57800	SALK	N526889	0.00	R
35	At3g57800	SALK	N526890	0.25	R
36	At3g57810	SALK	N647876	0.00	R
<b>Col-0</b>				0.94	R
<b>Kas-1</b>				3.77	S

<sup>1</sup> Mutant libraries from which the tested mutants have been identified are: SALK (<http://signal.salk.edu>), SAIL (lines from Syngenta, <http://www.arabidopsis.org/abrc/sail.jsp>), GABI-kat (<http://www.gabi-kat.de>), Wisconsin Ds-Lox (<http://www.hort.wisc.edu/krysan/Ds-Lox>) and CSHL (Cold Spring Harbor Laboratory, <http://genetrp.cshl.org>).

<sup>2</sup> Numbers are average of inoculation scores of 3-4 plants, and 4 leaves per plant, in at least 2 independent experiments, 10 days post-inoculation.

<sup>3</sup> The phenotype R (resistant) or S (susceptible) has been deduced from the evaluated disease index as previously defined 0-1.5 (resistant) and 3-4 (susceptible)