

Supplementary Tables

Table S1. Collection of Arabidopsis F1 and F2 populations (Col-0) that in the parental generation had been subjected to varying stress intensities by *Pst*, *Pc* or soil salinity.

Parental treatment	Generation	No. of lines	Code
<i>Pst</i> -Mock	F1	4 lines	<i>Pst</i> -0, 1-4
<i>Pst</i> -Low	F1	4 lines	<i>Pst</i> -I, 1-4
<i>Pst</i> -Medium	F1	4 lines	<i>Pst</i> -II, 1-4
<i>Pst</i> -High	F1	4 lines	<i>Pst</i> -III, 1-4
<i>Pst</i> -Mock	F2	12 lines	<i>Pst</i> -0 M2, 1-12
<i>Pst</i> -Low	F2	12 lines	<i>Pst</i> -I M2, 1-12
<i>Pst</i> -Medium	F2	12 lines	<i>Pst</i> -II M2, 1-12
<i>Pst</i> -High	F2	12 lines	<i>Pst</i> -III M2, 1-12
F1 <i>Pc</i> -Mock	F1	4 lines	<i>Pc</i> -0, 1-4
F1 <i>Pc</i> -Low	F1	4 lines	<i>Pc</i> -I, 1-4
F1 <i>Pc</i> -Medium	F1	4 lines	<i>Pc</i> -II, 1-4
F1 <i>Pc</i> -High	F1	4 lines	<i>Pc</i> -III, 1-4
F2 <i>Pc</i> -Mock	F2	12 lines	<i>Pc</i> -0 M2, 1-12
F2 <i>Pc</i> -Low	F2	12 lines	<i>Pc</i> -I M2, 1-12
F2 <i>Pc</i> -Medium	F2	12 lines	<i>Pc</i> -II M2, 1-12
F2 <i>Pc</i> -High	F2	12 lines	<i>Pc</i> -III M2, 1-12
F1 Salt-Mock	F1	4 lines	S-0, 1-4
F1 Salt-Low	F1	4 lines	S-I, 1-4
F1 Salt-Medium ¹	F1	4 lines	S-II, 1-4
F1 Salt-High ¹	F1	4 lines	S-III, 1-4
F2 Salt-Mock	F2	12 lines	S-0 M2, 1-12
F2 Salt-Low	F2	12 lines	S-I M2, 1-12
F2 Salt-Medium	F2	12 lines	S-II M2, 1-12
F2 S-High	F2	8 lines	S-III M2, 1-12

¹ poor germination and only ~50-100 seeds left.

Table S2. Number of independent t-IR experiments with similar results in matched environments.

Parental Stress	F1 Progeny	F2 Progeny
<i>Pst</i>	3 (1 <i>Pst</i> , 2 <i>Hpa</i>)	2
<i>Pc</i>	4*	3*
Salt	3	1

*3 and 2 repeats in F1 and F2 progeny, respectively, were only tested in response to the highest stress level.

Table S3. Number of independent t-IR experiments with similar results in mismatched environments.

Parental Stress	Challenge in F1 progeny		
	<i>Hpa</i>	<i>Pc</i>	Salt
<i>Pst</i>	-	1	1
<i>Pc</i>	3	-	1
Salt	2	2	-