

Table S3 QTL summary detected from linkage analysis. Genomic position (peak and confidence interval), growth parameter, q-value, number of segregants, average phenotype per genotype and LOD values are indicated for each condition. QTLs mapped in more than one growth parameter are indicated with (*).

Heat	Coordinates		NA				WA			WE			SA			
Chromosome	Peak	Confidence Interval	Growth Parameter	q-value	# segr.	Average phenotype	log10p	# segr.	Average phenotype	log10p	# segr.	Average phenotype	log10p	# segr.	Average phenotype	log10p
II	99632	89962-116942	rate	0.49	34	0.01	0.2	37	0.14	1.4	55	-0.20	4.5	43	0.13	1.4
IV	669598	629721-700566	rate	0.49	58	-0.21	4.7	17	0.12	0.7	40	0.06	0.4	55	0.13	2.1
XI	66234	57355-68340	lag	0.04	13	-0.68	7.9	23	-0.03	0.1	99	0.07	2.3	37	0.03	0.1
XIII	895642*	875433-913695	rate	0.27	54	0.13	2	32	-0.34	5.7	34	0.12	1	50	-0.01	0.1
XIII	895642	863207-913722	lag	0.35	54	0.06	0.8	33	-0.37	5.2	35	0.11	0.7	50	0.08	0.6
XIV	665508	658446-676654	rate	0.49	31	-0.30	4.5	43	0.12	1.4	66	0.03	0.3	28	0.08	0.4

Paraquat	Coordinates		NA				WA			WE			SA			
Chromosome	Peak	Confidence Interval	Growth Parameter	q-value	# segr.	Average phenotype	log10p	# segr.	Average phenotype	log10p	# segr.	Average phenotype	log10p	# segr.	Average phenotype	log10p
XII	612566	606828-644083	lag	0.05	55	0.06	1.7	21	0.08	1.7	58	-0.14	5.6	28	0.03	0.4
III	212260	209644-218031	lag	0.17	44	-0.05	0.5	39	0.16	4.8	40	-0.02	0	52	-0.09	2.4
XIV	356878	349229-424774	lag	0.05	32	0.03	0.4	39	0.08	1.9	58	0.03	0.7	42	-0.14	5.6

Arsenite		Coordinates				NA		WA			WE			SA		
Chromosome	Peak	Confidence Interval	Growth Parameter	q-value	# segr.	Average phenotype	log10p	# segr.	Average phenotype	log10p	# segr.	Average phenotype	log10p	# segr.	Average phenotype	log10p
II	752324	740638-769695	rate	0.3	40	0.13	0.5	30	-0.26	5.7	40	0.16	0.8	49	0.16	1.1
IV	1247236	1231010-1262173	lag	0.42	50	0.3	2.7	23	0.35	1.5	37	-0.4	4.3	62	-0.04	0.5
IV	1516800	1505710-1524277	lag	0.42	44	-0.04	0.2	24	-0.55	4.6	38	0.14	0.6	54	0.22	1.9
V	102405	100406-124766	rate	0.3	65	0.17	1.4	9	-0.5	4.8	47	0.09	0.1	45	0.07	0.2
VI	23330	20600-27541	rate	0.3	49	0.11	0.2	34	0.2	1.4	14	-0.41	5	55	0.08	0.1
VII	7936	7378-8879	rate	0.3	18	-0.28	4.5	27	0.05	0.3	58	0.17	1.2	31	0.2	1.2
XI	68139	68139-82467	rate	0.3	14	0.23	0.9	13	-0.41	4.8	101	0.09	0.2	25	0.18	0.8
XII	981727	955642-996974	rate	0.3	33	0.07	0.1	50	0.12	0.3	36	0.18	0.9	6	-0.63	4.6
XIII	346821	326055-355502	rate	0.3	51	0.16	0.9	40	0.24	2	53	-0.12	4.8	21	0.09	0.2
XIII	861124	852242-865392	rate	0.3	47	-0.14	4.5	45	0.15	0.6	41	0.21	1.5	32	0.14	0.6
XIV	560654	553404-560824	rate	0.37	27	0.15	0.4	38	0.15	0.4	4	-0.67	4.2	45	0.09	0.1
XIV	644582	637362-665955	lag	0.42	30	0.20	0.9	53	0.08	0.3	53	-0.32	4.3	37	0.27	1.7
XV	173494	167483-207895	lag	0.07	44	0.13	0.5	80	0.05	0.1	4	-1.76	6.1	46	0.07	0.2
XV	944695	932741-957388	rate	0.42	52	-0.10	4.1	35	0.18	0.9	27	0.11	0.2	53	0.19	1.6

XVI	342504	310689-408109	lag	0.42	34	-0.42	4.6	37	0.33	2.2	49	0.18	1.1	53	-0.02	0.3
XVI	72835	48951-109062	rate	0.32	40	0.19	1.1	34	0.16	0.7	54	-0.12	4.4	38	0.18	0.8