

**Table 5. Direction of effects of QTL for crosses involving natural populations of animals and plants**

Kingdom	Species	Cross	Mating system	Trait	Trait type	Timing (T)	No. antag. QTLs	Total QTLs	Ratio	P	Ref.
Animal	<i>Acyrtosiphon pisum pisum</i>	Intra	Outcross	Alfalfa race - fecundity on alfalfa	Life history		0	4	0.00		1
Animal	<i>Acyrtosiphon pisum pisum</i>	Intra	Outcross	Alfalfa race - fecundity on clover	Life history		0	4	0.00		1
Animal	<i>Acyrtosiphon pisum pisum</i>	Intra	Outcross	Alfalfa race - acceptance of alfalfa	Life history		0	5	0.00		1
Animal	<i>Acyrtosiphon pisum pisum</i>	Intra	Outcross	Clover race - fecundity on alfalfa	Life history		0	1	0.00		1
Animal	<i>Acyrtosiphon pisum pisum</i>	Intra	Outcross	Clover race - fecundity on clover	Life history		0	3	0.00		1
Animal	<i>Acyrtosiphon pisum pisum</i>	Intra	Outcross	Clover race - acceptance of alfalfa	Life history		0	3	0.00		1
Animal	<i>Acyrtosiphon pisum pisum</i>	Intra	Outcross	Clover race - acceptance of clover	Life history		0	1	0.00		1
Animal	<i>Caenorhabditis elegans</i>	Intra	Self	Body length	Morphology		1	2	0.50		2
Animal	<i>Caenorhabditis elegans</i>	Intra	Self	Fertility	Life history		0	3	0.00		2
Animal	<i>Caenorhabditis elegans</i>	Intra	Self	Mean lifespan	Life history	T	0	1	0.00		3
Animal	<i>Caenorhabditis elegans</i>	Intra	Self	Total fertility	Life history		0	2	0.00		3
Animal	<i>Caenorhabditis elegans</i>	Intra	Self	Early fertility fraction	Life history		0	1	0.00		3
Animal	<i>Caenorhabditis elegans</i>	Intra	Self	Population growth	Life history		1	4	0.25		3
Animal	<i>Caenorhabditis elegans</i>	Intra	Self	Time of onset of egg laying	Life history	T	1	3	0.33		3
Animal	<i>Drosophila melanogaster</i>	Intra	Outcross	Reproductive success	Life history		0	2	0.00		4
Animal	<i>Drosophila melanogaster</i>	Intra	Outcross	Ovariole number	Life history		0	2	0.00		4
Animal	<i>Drosophila melanogaster</i>	Intra	Outcross	Cuticular hydrocarbons	Physiology		0	1	0.00		5
Animal	<i>Drosophila melanogaster</i>	Intra	Outcross	Cuticular hydrocarbons	Physiology		0	1	0.00		5
Animal	<i>Drosophila melanogaster</i>	Intra	Outcross	Sex comb tooth number	Morphology		1	2	0.50		6
Animal	<i>Drosophila melanogaster</i>	Intra	Outcross	Lifespan male	Life history	T	2	5	0.40		7
Animal	<i>Drosophila melanogaster</i>	Intra	Outcross	Lifespan female	Life history	T	2	5	0.40		7
Animal	<i>Drosophila melanogaster</i>	Intra	Outcross	Male, sternopleural bristle number, 18°C	Morphology		2	5	0.40		8
Animal	<i>Drosophila melanogaster</i>	Intra	Outcross	Male, sternopleural bristle number, 25°C	Morphology		1	5	0.20		8
Animal	<i>Drosophila melanogaster</i>	Intra	Outcross	Male, sternopleural bristle number, 29°C	Morphology		1	4	0.25		8
Animal	<i>Drosophila melanogaster</i>	Intra	Outcross	Female, sternopleural bristle number, 18°C	Morphology		2	5	0.40		8
Animal	<i>Drosophila melanogaster</i>	Intra	Outcross	Female, sternopleural bristle number, 25°C	Morphology		1	4	0.25		8
Animal	<i>Drosophila melanogaster</i>	Intra	Outcross	Female, sternopleural bristle number, 29°C	Morphology		2	6	0.33	0.5238	8
Animal	<i>Drosophila melanogaster</i>	Intra	Outcross	Male, abdominal bristle number, 18°C	Morphology		1	4	0.25		8
Animal	<i>Drosophila melanogaster</i>	Intra	Outcross	Male, abdominal bristle number, 25°C	Morphology		3	6	0.50	1.0000	8
Animal	<i>Drosophila melanogaster</i>	Intra	Outcross	Male, abdominal bristle number, 29°C	Morphology		3	6	0.50	1.0000	8
Animal	<i>Drosophila melanogaster</i>	Intra	Outcross	Female, abdominal bristle number, 18°C	Morphology		3	6	0.50	1.0000	8
Animal	<i>Drosophila melanogaster</i>	Intra	Outcross	Female, abdominal bristle number, 25°C	Morphology		2	5	0.40		8
Animal	<i>Drosophila melanogaster</i>	Intra	Outcross	Female, abdominal bristle number, 29°C	Morphology		2	6	0.33	0.5238	8
Animal	<i>Drosophila melanogaster</i>	Intra	Outcross	Male lifespan	Life history	T	10	23	0.43	0.6776	9
Animal	<i>Drosophila melanogaster</i>	Intra	Outcross	Female lifespan	Life history	T	4	23	0.17	0.0018	9
Animal	<i>Drosophila melanogaster</i>	Intra	Outcross	Male lifespan/low density	Life history	T	1	3	0.33		10

Kingdom	Species	Cross	Mating system	Trait	Trait type	Timing (T)	No. antag. QTLs	Total QTLs	Ratio	P	Ref.
Animal	<i>Drosophila melanogaster</i>	Intra	Outcross	Female lifespan/low density	Life history	T	1	3	0.33		10
Animal	<i>Drosophila melanogaster</i>	Intra	Outcross	Male lifespan/high density	Life history	T	0	2	0.00		10
Animal	<i>Drosophila melanogaster</i>	Intra	Outcross	Female lifespan/high density	Life history	T	0	1	0.00		10
Animal	<i>Drosophila melanogaster</i>	Intra	Outcross	Hind grooming	Behavior		0	2	0.00		11
Animal	<i>Drosophila melanogaster</i>	Intra	Outcross	Quivering	Behavior		1	2	0.50		11
Animal	<i>Drosophila melanogaster</i>	Intra	Outcross	Grasping	Behavior		1	2	0.50		11
Animal	<i>Drosophila melanogaster</i>	Intra	Outcross	Self-righting	Behavior		0	2	0.00		11
Animal	<i>Drosophila sechellia</i>	Intra	Outcross	Toxin resistance	Physiology		0	5	0.00		12
Animal	<i>Drosophila sechellia</i> x <i>D. simulans</i> and <i>D. melanogaster</i>	Inter	Outcross	Larval hairs	Morphology		0	1	0.00		13
Animal	<i>Drosophila simulans</i> x <i>D. mauritiana</i>	Inter	Outcross	Posterior lobe	Morphology		1	19	0.05	0.0001	14
Animal	<i>Drosophila simulans</i> x <i>D. mauritiana</i>	Inter	Outcross	Anal plate bristle number	Morphology		2	6	0.33	0.5238	15
Animal	<i>Drosophila simulans</i> x <i>D. mauritiana</i>	Inter	Outcross	Clasper bristle number	Morphology		0	1	0.00		15
Animal	<i>Drosophila simulans</i> x <i>D. mauritiana</i>	Inter	Outcross	Sex comb tooth number	Morphology		1	2	0.50		15
Animal	<i>Drosophila simulans</i> x <i>D. mauritiana</i>	Inter	Outcross	Fifth sternite bristle number	Morphology		0	1	0.00		15
Animal	<i>Drosophila simulans</i> x <i>D. mauritiana</i>	Inter	Outcross	Anal plate area	Morphology		0	3	0.00		15
Animal	<i>Drosophila simulans</i> x <i>D. mauritiana</i>	Inter	Outcross	Posterior lobe area	Morphology		0	8	0.00	0.0061	15
Animal	<i>Drosophila simulans</i> x <i>D. sechellia</i>	Inter	Outcross	Posterior lobe area, <i>sim</i> BC	Morphology		2	11	0.18	0.0654	16
Animal	<i>Drosophila simulans</i> x <i>D. sechellia</i>	Inter	Outcross	Posterior lobe area, adjPC1, <i>sim</i> BC	Morphology		2	9	0.22	0.1797	16
Animal	<i>Drosophila simulans</i> x <i>D. sechellia</i>	Inter	Outcross	Sex comb tooth, <i>sim</i> BC	Morphology		1	4	0.25		16
Animal	<i>Drosophila simulans</i> x <i>D. sechellia</i>	Inter	Outcross	Testis length, <i>sim</i> BC	Morphology		1	7	0.14	0.1250	16
Animal	<i>Drosophila simulans</i> x <i>D. sechellia</i>	Inter	Outcross	Cyst length, <i>sim</i> BC	Morphology		0	3	0.00		16
Animal	<i>Drosophila simulans</i> x <i>D. sechellia</i>	Inter	Outcross	Tibia length, <i>sim</i> BC	Morphology		1	5	0.20		16
Animal	<i>Drosophila simulans</i> x <i>D. sechellia</i>	Inter	Outcross	Posterior lobe area, <i>sim</i> BC	Morphology		0	11	0.00	0.0010	16
Animal	<i>Drosophila simulans</i> x <i>D. sechellia</i>	Inter	Outcross	Posterior lobe area, adjPC1, <i>sec</i> BC	Morphology		4	9	0.44	1.0000	16
Animal	<i>Drosophila simulans</i> x <i>D. sechellia</i>	Inter	Outcross	Sex comb tooth number, <i>sec</i> BC	Morphology		0	4	0.00		16
Animal	<i>Drosophila simulans</i> x <i>D. sechellia</i>	Inter	Outcross	Testis length, <i>sec</i> BC	Morphology		3	7	0.43	1.0000	16
Animal	<i>Drosophila simulans</i> x <i>D. sechellia</i>	Inter	Outcross	Cyst length, <i>sec</i> BC	Morphology		0	3	0.00		16
Animal	<i>Drosophila simulans</i> x <i>D. sechellia</i>	Inter	Outcross	Tibia length, <i>sec</i> BC	Morphology		2	5	0.40		16
Animal	<i>Gasterosteus aculeatus</i> (limnetic x benthic species)	Inter	Outcross	Gill raker number	Morphology		0	2	0.00		17
Animal	<i>Gasterosteus aculeatus</i> (limnetic x benthic species)	Inter	Outcross	Lateral plate number	Morphology		0	2	0.00		17
Animal	<i>Gasterosteus aculeatus</i> (limnetic x benthic species)	Inter	Outcross	Dorsal spine, 1 length	Morphology		0	2	0.00		17
Animal	<i>Gasterosteus aculeatus</i> (limnetic x benthic species)	Inter	Outcross	Dorsal spine, 2 length	Morphology		0	2	0.00		17
Animal	<i>Gasterosteus aculeatus</i> (limnetic x benthic species)	Inter	Outcross	Pelvic spine length	Morphology		0	1	0.00		17

Kingdom	Species	Cross	Mating system	Trait	Trait type	Timing (T)	No. antag. QTLs	Total QTLs	Ratio	P	Ref.
	benthic species)										
Animal	<i>Mus musculus</i>	Intra	Outcross	Body weight	Morphology		5	11	0.45	1.0000	18
Animal	<i>Mus musculus</i>	Intra	Outcross	Aggressive behavior	Behavior		0	2	0.00		19
Animal	<i>Oncorhynchus mykiss</i>	Intra	Outcross	Time to hatch	Life history	T	0	3	0.00		20
Animal	<i>Oncorhynchus mykiss</i>	Intra	Outcross	Embryonic length	Morphology		0	2	0.00		20
Animal	<i>Oncorhynchus mykiss</i>	Intra	Outcross	Weight at swim-up	Morphology		1	2	0.50		20
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Hypocotyl length: white light	Morphology		1	4	0.25		21
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Hypocotyl length: red light	Morphology		2	4	0.50		21
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Hypocotyl length: blue light	Morphology		1	4	0.25		21
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Hypocotyl length: far-red light	Morphology		1	5	0.20		21
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Hypocotyl length: white light + GA	Morphology		1	3	0.33		21
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Hypocotyl length: dark + brassinazole	Morphology		1	3	0.33		21
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Total leaf number	Morphology		2	4	0.50		22
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Largest leaf length	Morphology		3	7	0.43	1.0000	22
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Plant height	Morphology		2	4	0.50		22
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Side shoot number	Morphology		2	4	0.50		22
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Flowering time	Life history	T	0	5	0.00		23
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Days to first flower	Life history	T	0	2	0.00		24
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Leaf length at flowering	Morphology		0	3	0.00		24
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Leaf length at 35 days	Morphology		0	2	0.00		24
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	No. of nodes	Morphology		0	1	0.00		24
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Fruit no. in main inflor	Life history		1	3	0.33		22
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Seed weight	Morphology		2	10	0.20	0.0879	22
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Seed length	Morphology		2	8	0.25	0.2270	22
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Fruit length	Morphology		3	6	0.50	1.0000	22
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Ovary length	Morphology		2	4	0.50		22
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Ovule no./fruit	Life history		2	4	0.50		22
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Seed no./fruit	Life history		2	4	0.50		22
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	% of unfert. ovules	Life history		2	6	0.33	0.5238	22
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Fresh flower mass	Morphology		1	2	0.50		25
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Petal length	Morphology		4	10	0.40	0.6060	25
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Petal width	Morphology		0	2	0.00		25
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Sepal length	Morphology		2	5	0.40		25
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Sepal width	Morphology		1	3	0.33		25
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Short stamen length	Morphology		3	7	0.43	1.0000	25
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Long stamen length	Morphology		2	4	0.50		25
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Pistil length	Morphology		0	5	0.00		25
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	PC1 (floral traits)	Morphology		2	5	0.40		25
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	PC2 (floral traits)	Morphology		1	2	0.50		25
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Flowering time	Life history	T	3	7	0.43	1.0000	26
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Total leaf number	Morphology		2	7	0.29	0.4531	26
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Rosette leaf number	Morphology		3	7	0.43	1.0000	26
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Cauline leaf number	Morphology		1	5	0.20		26
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Flowering time	Life history	T	1	3	0.33		26
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Total leaf number	Morphology		1	3	0.33		26

Kingdom	Species	Cross	Mating system	Trait	Trait type	Timing (T)	No. antag. QTLs	Total QTLs	Ratio	P	Ref.
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Rosette leaf number	Morphology		2	4	0.50		26
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Cauline leaf number	Morphology		1	4	0.25		26
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Flowering time	Life history	T	1	2	0.50		26
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Total leaf number	Morphology		1	2	0.50		26
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Rosette leaf number	Morphology		1	2	0.50		26
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Cauline leaf number	Morphology		1	2	0.50		26
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Seed dormancy	Life history		7	14	0.50	1.0000	27
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Rosette leaf number	Morphology		2	5	0.40		28
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Seed storability	Physiology		1	4	0.25		29
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Seed stachyose content	Physiology		1	2	0.50		29
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Seed raffinose content	Physiology		0	1	0.00		29
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Seed sucrose content	Physiology		0	3	0.00		29
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Phosphoglucomutase	Physiology		0	1	0.00		30
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Glucose-6-phosphate dehydrogenase	Physiology		0	1	0.00		30
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Phosphoglucose isomerase	Physiology		0	2	0.00		30
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Glucose-6-phosphatase	Physiology		1	3	0.33		30
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Hexokinase	Physiology		0	1	0.00		30
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Myrosinase	Physiology		0	2	0.00		30
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Shikimic dehydrogenase	Physiology		1	2	0.50		30
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Period of circadian clock	Physiology	T	2	4	0.50		31
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Rosette leaf number	Morphology		2	5	0.40		28
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Flowering date	Life history	T	2	5	0.40		28
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Rosette leaf number	Morphology		1	6	0.17	0.1667	32
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Flowering date	Life history	T	3	7	0.43	1.0000	32
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Four-leaf stage	Life history	T	0	1	0.00		33
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Flowering time	Life history	T	1	3	0.33		33
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Rosette leaf number	Morphology		2	4	0.50		33
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Dry biomass	Morphology		0	1	0.00		33
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Longevity	Life history	T	0	1	0.00		33
Plant	<i>Arabidopsis thaliana</i>	Intra	Self	Fruit number	Life history		0	1	0.00		33
Plant	<i>Capsella bursa-pastoris</i>	Intra	Self	Onset of flowering	Life history	T	0	3	0.00		34
Plant	<i>Capsella bursa-pastoris</i>	Intra	Self	Rosette leaf number	Morphology		0	5	0.00		34
Plant	<i>Capsella bursa-pastoris</i>	Intra	Self	Inflorescence height	Morphology		0	3	0.00		34
Plant	<i>Capsella bursa-pastoris</i>	Intra	Self	Maximal plant height	Morphology		0	4	0.00		34
Plant	<i>Capsella bursa-pastoris</i>	Intra	Self	Rosette diameter	Morphology		2	5	0.40		34
Plant	<i>Capsella bursa-pastoris</i>	Intra	Self	Stem diameter (begin flower)	Morphology		0	2	0.00		34
Plant	<i>Capsella bursa-pastoris</i>	Intra	Self	No. of basal leaf branches	Morphology		0	3	0.00		34
Plant	<i>Capsella bursa-pastoris</i>	Intra	Self	No. of sterile fruits	Life history		1	4	0.25		34
Plant	<i>Capsella bursa-pastoris</i>	Intra	Self	No. of fruits	Life history		0	3	0.00		34
Plant	<i>Capsella bursa-pastoris</i>	Intra	Self	Fruit length	Morphology		1	3	0.33		34
Plant	<i>Capsella bursa-pastoris</i>	Intra	Self	Pedicel length	Morphology		1	3	0.33		34
Plant	<i>Capsella bursa-pastoris</i>	Intra	Self	Seed number	Life history		1	4	0.25		34
Plant	<i>Capsella bursa-pastoris</i>	Intra	Self	Stem diameter (end flower)	Morphology		1	4	0.25		34
Plant	<i>Microseris douglasii</i> x <i>M. bigelovii</i>	Inter	Self	Trichome appearance	Morphology		1	3	0.33		35
Plant	<i>Mimulus cardinalis</i> x <i>M. lewisii</i>	Inter	Outcross	Anthocyanin conc.	Physiology		0	1	0.00		36

Kingdom	Species	Cross	Mating system	Trait	Trait type	Timing (T)	No. antag. QTLs	Total QTLs	Ratio	P	Ref.
Plant	<i>Mimulus cardinalis x M. lewisii</i>	Inter	Outcross	Anthocyanin conc.	Physiology		0	3	0.00		36
Plant	<i>Mimulus cardinalis x M. lewisii</i>	Inter	Outcross	Lateral petal width	Morphology		2	8	0.25	0.2270	36
Plant	<i>Mimulus cardinalis x M. lewisii</i>	Inter	Outcross	Corolla width	Morphology		3	8	0.38	0.5706	36
Plant	<i>Mimulus cardinalis x M. lewisii</i>	Inter	Outcross	corolla projected area	Morphology		3	7	0.43	1.0000	36
Plant	<i>Mimulus cardinalis x M. lewisii</i>	Inter	Outcross	Upper petal reflexing	Morphology		0	5	0.00		36
Plant	<i>Mimulus cardinalis x M. lewisii</i>	Inter	Outcross	Lateral petal reflexing	Morphology		0	4	0.00		36
Plant	<i>Mimulus cardinalis x M. lewisii</i>	Inter	Outcross	Nectar volume	Physiology		0	3	0.00		36
Plant	<i>Mimulus cardinalis x M. lewisii</i>	Inter	Outcross	Stamen length	Morphology		0	7	0.00	0.0156	36
Plant	<i>Mimulus cardinalis x M. lewisii</i>	Inter	Outcross	Pistil length	Morphology		0	7	0.00	0.0156	36
Plant	<i>Mimulus cardinalis x M. lewisii</i>	Inter	Outcross	Corolla aperture width	Morphology		2	8	0.25	0.2270	36
Plant	<i>Mimulus cardinalis x M. lewisii</i>	Inter	Outcross	Corolla aperture height	Morphology		0	4	0.00		36
Plant	<i>Pinus silvestris</i>	Intra	Outcross	Bud set, 1994	Life history	T	0	1	0.00		37
Plant	<i>Pinus silvestris</i>	Intra	Outcross	Bud set, 1996	Life history	T	0	2	0.00		37
Plant	<i>Pinus silvestris</i>	Intra	Outcross	Frost hardiness	Physiology		2	7	0.29	0.4531	37
Plant	<i>Populus trichocarpa x P. deltoides</i>	Inter	Outcross	Bud set	Life history	T	2	4	0.50		38
Plant	<i>Populus trichocarpa x P. deltoides</i>	Inter	Outcross	Bud flush	Life history	T	3	9	0.33	0.5078	38
Plant	<i>Populus trichocarpa x P. deltoides</i>	Inter	Outcross	Spring bud flush	Life history	T	1	5	0.20		39
Plant	<i>Senecio vulgaris</i>	Intra	Outcross x self	Days to bud formation	Life history	T	0	1	0.00		40
Plant	<i>Senecio vulgaris</i>	Intra	Outcross x self	Plant height	Morphology		0	2	0.00		40
Plant	<i>Senecio vulgaris</i>	Intra	Outcross x self	Leaf number	Morphology		0	2	0.00		40
Plant	<i>Senecio vulgaris</i>	Intra	Outcross x self	Lateral branch number	Morphology		0	1	0.00		40
Plant	<i>Senecio vulgaris</i>	Intra	Outcross x self	Outer involucral bracts	Morphology		0	1	0.00		40
Plant	<i>Senecio vulgaris</i>	Intra	Outcross x self	Disc florets/capitulum	Morphology		0	1	0.00		40
Plant	<i>Tetramolopium rockii x T. humilis</i>	Inter	Outcross	Sex expression in disc florets	Life history		0	2	0.00		41
Plant	<i>Zea diloperennis x Z. mays</i>	Inter	Outcross	No. of tassel branches	Morphology		2	7	0.29	0.4531	42
Plant	<i>Zea diloperennis x Z. mays</i>	Inter	Outcross	Length of central spike	Morphology		0	2	0.00		42
Plant	<i>Zea diloperennis x Z. mays</i>	Inter	Outcross	Length of branching space	Morphology		1	6	0.17	0.1667	42
Plant	<i>Zea diloperennis x Z. mays</i>	Inter	Outcross	Length of sessile spikelet	Morphology		3	8	0.38	0.5706	42
Plant	<i>Zea diloperennis x Z. mays</i>	Inter	Outcross	Width of rachis on central spike	Morphology		2	5	0.40		42
Plant	<i>Zea diloperennis x Z. mays</i>	Inter	Outcross	Mean internode length of central spike	Morphology		2	6	0.33	0.5238	42

Studies and/or traits are categorized in terms of kingdom, cross type, mating system, trait type, and whether or not the trait is related to the timing of developmental events. The number of antagonistic QTLs, the total number of QTLs detected, the proportion of QTLs with antagonistic or opposing effects are given for each trait. For traits with greater than six detected QTLs, the probability that the observed ratio results from neutral divergence is also provided.

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