
Dataset 2

Experiment	Tissue	Age	Photoperiod	Substrate
ATGE_1	cotyledons	7 days	continuous light	soil
ATGE_2	hypocotyl	7 days	continuous light	soil
ATGE_3	roots	7 days	continuous light	soil
ATGE_4	shoot apex, vegetative + young leaves	7 days	continuous light	soil
ATGE_5	leaves 1 + 2	7 days	continuous light	soil
ATGE_6	shoot apex, vegetative	7 days	continuous light	soil
ATGE_7	seedling, green parts	7 days	continuous light	soil
ATGE_8	shoot apex, transition (before bolting)	14 days	continuous light	soil
ATGE_9	roots	17 days	continuous light	soil
ATGE_10	rosette leaf #4, 1 cm long	10 days	continuous light	soil
ATGE_12	rosette leaf # 2	17 days	continuous light	soil
ATGE_13	rosette leaf # 4	17 days	continuous light	soil
ATGE_14	rosette leaf # 6	17 days	continuous light	soil
ATGE_15	rosette leaf # 8	17 days	continuous light	soil
ATGE_16	rosette leaf # 10	17 days	continuous light	soil
ATGE_17	rosette leaf # 12	17 days	continuous light	soil
ATGE_19	leaf 7, petiole	17 days	continuous light	soil
ATGE_20	leaf 7, proximal half	17 days	continuous light	soil
ATGE_21	leaf 7, distal half	17 days	continuous light	soil
ATGE_22	developmental drift, entire rosette after transition to flowering, but before bolting	21 days	continuous light	soil
ATGE_23	as above	22 days	continuous light	soil
ATGE_24	as above	23 days	continuous light	soil
ATGE_25	senescing leaves	35 days	continuous light	soil
ATGE_26	cauline leaves	21+ days	continuous light	soil

ATGE_27	stem, 2nd internode	21+ days	continuous light	soil
ATGE_28	1st node	21+ days	continuous light	soil
ATGE_29	shoot apex, inflorescence (after bolting)	21 days	continuous light	soil
ATGE_31	flowers stage 9	21+ days	continuous light	soil
ATGE_32	flowers stage 10/11	21+ days	continuous light	soil
ATGE_33	flowers stage 12	21+ days	continuous light	soil
ATGE_34	flowers stage 12, sepals	21+ days	continuous light	soil
ATGE_35	flowers stage 12, petals	21+ days	continuous light	soil
ATGE_36	flowers stage 12, stamens	21+ days	continuous light	soil
ATGE_37	flowers stage 12, carpels	21+ days	continuous light	soil
ATGE_39	flowers stage 15	21+ days	continuous light	soil
ATGE_40	flowers stage 15, pedicels	21+ days	continuous light	soil
ATGE_41	flowers stage 15, sepals	21+ days	continuous light	soil
ATGE_42	flowers stage 15, petals	21+ days	continuous light	soil
ATGE_43	flowers stage 15, stamen	21+ days	continuous light	soil
ATGE_45	flowers stage 15, carpels	21+ days	continuous light	soil
ATGE_73	mature pollen	6 wk	continuous light	soil
ATGE_76	siliques, w/ seeds stage 3; mid globular to early heart embryos	8 wk	long day (16/8)	soil
ATGE_77	siliques, w/ seeds stage 4; early to late heart embryos	8 wk	long day (16/8)	soil
ATGE_78	siliques, w/ seeds stage 5; late heart to mid torpedo embryos	8 wk	long day (16/8)	soil
ATGE_79	seeds, stage 6, w/o siliques; mid to late torpedo embryos	8 wk	long day (16/8)	soil
ATGE_81	seeds, stage 7, w/o siliques; late torpedo to early walking-stick embryos	8 wk	long day (16/8)	soil
ATGE_82	seeds, stage 8, w/o siliques; walking-stick to early curled cotyledons embryos	8 wk	long day (16/8)	soil
ATGE_83	seeds, stage 9, w/o siliques; curled cotyledons to early green cotyledons embryos	8 wk	long day (16/8)	soil
ATGE_84	seeds, stage 10, w/o siliques; green cotyledons embryos	8 wk	long day (16/8)	soil
ATGE_87	vegetative rosette	7 days	short day (10/14)	soil
ATGE_89	vegetative rosette	14 days	short day (10/14)	soil
ATGE_90	vegetative rosette	21 days	short day (10/14)	soil

ATGE_91	leaf	15 days	long day (16/8)	1x MS agar, 1% sucrose
ATGE_92	flower	28 days	long day (16/8)	soil
ATGE_93	root	15 days	long day (16/8)	1x MS agar, 1% sucrose
ATGE_94	root	8 days	continuous light	1x MS agar
ATGE_95	root	8 days	continuous light	1x MS agar, 1% sucrose
ATGE_96	seedling, green parts	8 days	continuous light	1x MS agar
ATGE_97	seedling, green parts	8 days	continuous light	1x MS agar, 1% sucrose
ATGE_98	root	21 days	continuous light	1x MS agar
ATGE_99	root	21 days	continuous light	1x MS agar, 1% sucrose
ATGE_100	seedling, green parts	21 days	continuous light	1x MS agar
ATGE_101	seedling, green parts	21 days	continuous light	1x MS agar, 1% sucrose

Table: The second set of microarrays that were used for this study contained data that were generated within the framework of the AtgenExpress project [39] and are publicly available from the Nottingham Arabidopsis Stock Centre [60,61]. The RNA was sampled from 63 different plant tissues in different stages.