

Table S4. Genes down-regulated in *ash2* inflorescences (>1.6-fold) and *ms1* young buds (> 2-fold).

AtGID	Name/Protein	AtGID	Name/Protein
At1g02790	PGA4 exopolygalacturonase	At2g47040	VDG1
At1g02813	expressed protein	At2g47050	pectin methylesterase inhibitor
At1g06260	cysteine proteinase	At3g01270	pectate lyase
At1g07340	ATSTP2	At3g03910	glutamate dehydrogenase
At1g13140	CYP86C3 protein	At3g07850	exopolygalacturonase
At1g13150	CYP86C4 protein	At3g13400	SKS13
At1g15460	anion exchange family protein	At3g15900	expressed protein
At1g18280	LTP	<i>At3g25050</i>	XTH3
At1g20120	GDSL-like Lipase	At3g26125	CYP86C2 protein
At1g23240	caleosin-related protein, pollen coat	At3g28790	expressed protein
<i>At1g23250</i>	caleosin-related protein, pollen coat	At3g28830	expressed protein
At1g23560	expressed protein	At3g28980	expressed protein
At1g23570	expressed protein	At3g51000	epoxide hydrolase
At1g23600	expressed protein	At3g51590	LTP12
At1g23670	expressed protein	At3g52160	beta-ketoacyl-CoA synthase
At1g23690	expressed protein	At3g52810	ATPAP21
At1g24400	AATL2	At3g57620	glyoxal oxidase-related protein
At1g26710	expressed protein	At3g57690	AGP23
At1g28375	expressed protein	At3g57810	expressed protein
At1g28430	CYP705A24 protein	At4g04460	aspartyl protease
At1g30020	expressed protein	At4g08670	LTP
At1g30350	pectate lyase protein	At4g10260	pfkB-type carbohydrate kinase
At1g47980	expressed protein	At4g13560	LEA protein
At1g50310	STP9	At4g14815	LTP
At1g54860	expressed protein	At4g16160	Tim17/Tim22/Tim23 protein
At1g54870	SDR protein	At4g23660	ATPPT1
At1g59740	POT protein	At4g29250	Transferase protein
At1g61110	AtNAC025	At4g35770	SEN1
At1g61566	RALFL9	At4g37900	glycine-rich protein
At1g63060	expressed protein	At5g07410	GRP14, pollen coat
At1g63180	UDP-glucose 4-epimerase	At5g07520	GRP18, pollen coat
At1g67990	caffeoyl-CoA 3-O-methyltransferase	<i>At5g07530</i>	GRP17, pollen coat
At1g68875	expressed protein	At5g07540	GRP16, pollen coat
At1g71160	beta-ketoacyl-CoA synthase	At5g07550	GRP19, pollen coat
At1g72280	AERO 1	At5g07560	GRP20, pollen coat
At1g74540	CYP98A8 protein	At5g09550	Rab GDP dissociation inhibitor
At1g74550	CYP98A8 protein	At5g13380	auxin-responsive GH3 protein
At1g75910	EXL4, pollen coat	At5g14980	esterase/lipase/thioesterase
At1g75920	EXL5, pollen coat	At5g20710	BGAL7
At1g75930	EXL6, pollen coat	At5g28470	POT protein
At1g75940	ATA27	At5g37810	major intrinsic family protein
At1g76470	cinnamoyl-CoA reductase	At5g38760	expressed protein
At1g80660	AHA9	<i>At5g44400</i>	FAD-binding domain-containing protein
At2g03740	LEA protein	At5g45880	pollen Ole e 1 allergen
At2g03850	LEA protein	At5g46795	expressed protein
At2g07560	AHA6	At5g47635	expressed protein
At2g16750	protein kinase	At5g48210	expressed protein
At2g18420	gibberellin-responsive protein	At5g49070	beta-ketoacyl-CoA synthase
At2g19070	transferase protein	At5g52360	actin-depolymerizing factor
At2g21490	dehydrin	At5g53820	expressed protein
At2g23800	GGPS2	At5g59845	gibberellin-regulated protein
At2g31980	cysteine proteinase inhibitor	<i>At5g60500</i>	UPP synthetase
At2g32890	expressed protein	At5g61605	expressed protein
At2g41040	methyltransferase-related protein	At5g62320	MYB99
At2g41290	strictosidine synthase	At5g65205	SDR protein
At2g46860	inorganic pyrophosphatase		

Genes in italics induced by MS1 (Ito et al., 2007). Genes in bold also down-regulated by *spl/ems1* (Wijeratne et al., 2007).