Supplemental Table 1. Nomenclature and description of the *ski3* alleles.

***ski3* allele**	**Alternate name**	**Ecotype**	**Mutagen**	**Description of mutation**	**Reference**
ski3-1	*s37*	Col	EMS	Nonsense, Gln to STOP at amino acid 20	Zhang et al., 2015
ski3-2	*s40*	Col	EMS	Nonsense, Trp to STOP at amino acid 158	Zhang et al., 2015
ski3-3		Col	EMS	Nonsense, Trp to STOP at amino acid 240	Yu et al., 2015
ski3-4	FLAG 303H02	Col	T-DNA		Yu et al., 2015
ski3-5	GABI 140B07	Col	T-DNA	Insertion in 11th exon	Yu et al., 2015 This work
ski3-6	GABI 007D02	Col	T-DNA		Yu et al., 2015
ski3-7	SALK_099525	Col	T-DNA	Insertion in 19th exon	Yu et al., 2015 This work
ski3-8	*war1-1*	L*er*	EMS	G->A mutation in first intron at nucleotide 148 from ATG	This work
ski3-9	*war1-2*	L*er*	EMS	C deletion in 9th exon at nucleotide 1952, causing Ser to Phe at amino acid 410 and Leu to STOP at amino acid 411	This work
ski3-10	*war1-3*	L*er*	EMS	Nonsense, Gln to STOP at amino acid 131	This work

Supplemental Table 2. Nomenclature and description of the *ski2* alleles.

***ski2* allele**	**Alternate name**	**Ecotype**	**Mutagen**	**Description of mutation**	**Reference**
ski2-1	*s28*	Col	EMS	Missense, Thr to Ile at amino acid 389	Zhang et al., 2015
ski2-2	SALK_129982	Col	T-DNA	Insertion in 19th exon	Zhang et al., 2015
ski2-3	SALK_063541	Col	T-DNA	Insertion in 23rd exon	Zhang et al., 2015 This work
ski2-4	SALK_118579	Col	T-DNA	Insertion in 9th exon	Dorcey et al., 2012
ski2-5	SALK_141579	Col	T-DNA	Insertion in 3rd intron	This work
ski2-6	SALK_122393	Col	T-DNA	Insertion in 23rd exon	This work
ski2-7	*war7-1*	L*er*	EMS	Nonsense, Arg to STOP at amino acid 1297	This work
ski2-8	*war7-2*	L*er*	EMS	g->a change at 8th exon/8th intron junction	This work
ski2-9	*war7-3*	L*er*	EMS	Nonsense, Gln to STOP at amino acid 418	This work

Supplemental Table 3. Nomenclature and description of the *ski8* alleles.

***ski8* allele**	**Alternate name**	**Ecotype**	**Mutagen**	**Description of mutation**	**Reference**
ski8-1	*vip3-1*	L*er*	T-DNA	Insertion in second exon	Zhang et al., 2003
ski8-2	*vip3-2* SALK_083364	Col	T-DNA	Insertion in first exon	Jolivet et al., 2006
ski8-3	*vip3-3* SALK_117732	Col	T-DNA	Insertion in second exon	Jolivet et al., 2006
ski8-4	$vip3^{zwg}$	Sav-0	Natural genetic variation	Deletion of nucleotides 861-867 of the ORF	Dorcey et al., 2012
ski8-5	*boq-1*	Col	EMS	Nonsense, Gly to Glu at amino acid 219	Takagi and Ueguchi, 2012
ski8-6	SALK_060207	Col	T-DNA	Insertion in first exon	This work
ski8-7	SALK_139885	Col	T-DNA	Insertion in second exon	This work

Supplemental Table 4. Cuticular wax composition of inflorescence stems of Arabidopsis wild type (WT), *cer7*, suppressors and double mutants. Mean values (μgcm^{-2}) of total wax loads and coverage of individual compound classes are given with SD (η =3).

Genotype	Total Load	Fatty acids	Aldehydes	Alkanes	Secondary alcohols	Ketones	Primary Alcohols	Esters
L*er* WT	20.0±0.3	0.1±0.0	1.0±0.0	8.9±0.2	2.6±0.1	6.4±0.2	0.5±0.2	0.4±0.0
cer7-1	4.2±0.3	0.1±0.1	0.2±0.0	0.1±0.2	0.2±0.0	1.2±0.1	1.1±0.3	0.3±0.0
war1-1cer7-1	15.0±1.2	0.1±0.0	0.2±0.0	6.1±0.7	1.4±0.1	4.9±0.4	1.9±0.1	0.5±0.0
war1-2cer7-1	14.8±0.9	0.1±0.0	0.4±0.1	7.1±0.5	1.6±0.1	4.6±0.5	0.6±0.2	0.4±0.1
war1-3cer7-1	19.6±1.9	0.1±0.0	0.8±0.1	8.9±1.0	2.4±0.1	6.6±0.9	0.4±0.1	0.4±0.0
war7-1cer7-1	23.4±1.4	0.2±0.0	1.2±0.3	13.6±0.9	2.1±0.2	4.6±0.2	1.1±0.1	0.7±0.0
war7-2cer7-1	16.1±0.8	0.2±0.0	0.7±0.0	7.3±0.5	2.0±0.2	4.6±0.3	1.0±0.1	0.2±0.0
war7-3cer7-1	19.2±1.0	0.2±0.0	0.6±0.0	7.7±0.4	2.0±0.3	6.5±0.3	1.7±0.1	0.4±0.0
Col 0 WT	22.6±0.8	0.1±0.0	0.9±0.1	10.3±0.1	2.0±0.2	6.7±0.3	1.7±0.3	0.7±0.0
wer7-3	8.0±0.8	0.1±0.0	0.3±0.1	2.4±0.3	0.5±0.1	2.0±0.2	2.4±0.2	0.4±0.0
ski3-5cer7-3	15.1±0.8	0.2±0.0	0.6±0.1	5.9±0.5	1.3±0.2	4.3±0.2	2.2±0.2	0.6±0.0
ski3-7cer7-3	15.8±1.7	0.3±0.0	0.6±0.1	6.7±1.1	1.2±0.4	4.1±0.6	2.2±0.3	0.5±0.0
ski2-5cer7-3	12.9±1.1	0.2±0.0	0.4±0.0	5.0±0.6	1.0±0.2	3.4±0.3	2.3±0.1	0.5±0.0
ski2-6cer7-3	18.1±2.2	0.2±0.0	0.6±0.1	7.6±1.1	1.7±0.3	5.1±0.6	2.3±0.3	0.6±0.0
ski2-3cer7-3	16.7±1.3	0.2±0.0	0.5±0.1	7.2±0.6	1.4±0.2	4.6±0.3	2.3±0.3	0.6±0.0
ski8-6cer7-3	14.4±2.1	0.2±0.0	0.5±0.1	5.9±1.0	1.4±0.3	3.8±0.6	2.2±0.1	0.5±0.0
ski8-7cer7-3	14.3±0.5	0.1±0.0	0.7±0.1	6.3±0.2	1.8±0.1	3.6±0.2	1.3±0.4	0.5±0.0

Supplemental Table 5. Primers used in this study.

Primer	Sequence (5’ to 3’)
LBb1.3	ATTTTGCCGATTTCGGAAC
GABI_140B07 LP	CATTTTGTCTTTCTGGCTTCG
GABI_140B07 RP	CATCAAGCAAACCTTTTGGAG
SALK_099525 LP	CTCCGACAAGAAGGATCAGTG
SALK_099525 RP	CACGTGAGCAGAGATTTCCTC
SALK_141579 LP	ATTTTGATTGGTTTTCCAGGG
SALK_141579 RP	GACTTCATTGCTTATGCTCGC
SALK_122393 LP	TTTCTCATTTGAACGTACCCG
SALK_122393 RP	CGCCAAGCTTTTTGTAGTCTC
SALK_063541 LP	TTTCGGTGTTGAAGAGTCGTC
SALK_063541 RP	TCGATCACTCTCTGTCCCTTC
SALK_060207 LP	GAACAGCTTCAACGCAAGTTC
SALK_060207 RP	AAGGAGGAGCTTCCAAAACAG
SALK_139885 LP	GACTGCAAGTACCACTTTCGC
SALK_139885 RP	TAATGGGAAACGACTTGCTTG
o8409	ATATTGACCATCATACTCATTGC
AtSKI3RT-F	GTTCAAGCGAGTTCATTGTTTC
AtSKI3RT-R	GTCTTGCGAGTATATGCATCTG
AtSKI2RT-F	GGTGAACTTCAAGCTCAGTAC
AtSKI2RT-R	CAATCTCACAATGGTTCGAACT
AtSKI8RT-F	TCGATTGATAGCTTTGTCCGTG
AtSKI8RT-R	ATCTCCAGCTTGCAGTGTCC
ACTIN2-F	TCCCTCAGCACATTCCAGCAGAT
ACTIN2-R	AACGATTCCTGGACCTGCCTCATC
CER3-qPCR-F	CTCATCTCCTGTTCCACATCC
CER3-qPCR-R	TCAATGGAACACCAGCTACG
AtSKI3p-attB1	GGGGACAAGTTTGTACAAAAAAGCAGGCTGATG CAAGGAAAATTGCTG
AtSKI3-attB2-noSTOP	GGGGACCACTTTGTACAAGAAAGCTGGGTCGCT CATGGGATGTTGAACA
ScSKI3-attB1	GGGGACAAGTTTGTACAAAAAAGCAGGCTTCAT GTCGGATATTAAACAGCTATTGA
ScSKI3-attB2	GGGGACCACTTTGTACAAGAAAGCTGGGTCTTAG AAACATTCGTTTAGCGCCTT
AtSKI3p-attB4	GGGGCAACTTTGTATAGAAAAGTTGGATGCAAGG AAAATTGCTG
AtSKI3p-attB1R	GGGGCTGCTTTTTTGTACAAACTTGCTGAATATAA CCCAATCTACAAAATG
AtSKI3-F	AAACACGAAGACCAGAGGAAATATGGAATTAGA GCAGCTTAAGAA
AtSKI3-R	GCTCTAGATCAGCTCATGGGATGTTGAAC

ScSKI3p-F	TCCCCCGGGAAGCTTACACCTTCTTCTCCAA
ScSKI3p-R	TTCTTAAGCTGCTCTAATTCCATATTTCCTCTGCTCTTCGTGTTT
ScSKI3t-F	GCTCTAGAAAATTTGGATTCAGAATAGTCAAT
ScSKI3t-R	CCCAAGCTTGATCCCGGCGCTACCTGC
AtSKI2p-attB1	GGGGACAAGTTTGTACAAAAAAGCAGGCTGATGCAAGGAAAATTGCTG
AtSKI2-attB2-noSTOP	GGGGACCACTTTGTACAAGAAAGCTGGGTCGCTCATGGGATGTTGAACA
ScSKI2-attB1	GGGGACAAGTTTGTACAAAAAAGCAGGCTTCATGTCGGATATTAAACAGCTATTGA
ScSKI2-attB2	GGGGACCACTTTGTACAAGAAAGCTGGGTCTTAGAAACATTCGTTTAGCGCCTT
AtSKI2p-attB4	GGGGCAACTTTGTATAGAAAAGTTGGATGCAAGGAAAATTGCTG
AtSKI2p-attB1R	GGGGCTGCTTTTTTGTACAAACTTGCTGAATATAACCCAATCTACAAAATG
AtSKI2-F	AAACACGAAGACCAGAGGAAATATGGAATTAGAGCAGCTTAAGAA
AtSKI2-R	GCTCTAGATCAGCTCATGGGATGTTGAAC
ScSKI2p-F	TCCCCCGGGAAGCTTACACCTTCTTCTCCAA
ScSKI2p-R	TTCTTAAGCTGCTCTAATTCCATATTTCCTCTGCTCTTCGTGTTT
ScSKI2t-F	GCTCTAGAAAATTTGGATTCAGAATAGTCAAT
ScSKI2t-R	CCCAAGCTTGATCCCGGCGCTACCTGC