















































1	PRICKLES	PR265	H	H	H	H	H	H	H	H	H	H	H
1	PRICKLES	PR266	H	H	H	H	H	H	H	H	H	H	H
1	PRICKLES	PR268	H	H	H	H	H	H	H	H	H	H	H
1	PRICKLES	PR269	H	H	H	H	H	H	H	H	H	H	H
1	PRICKLES	PR273	H	H	H	H	H	H	H	H	H	H	H
1	PRICKLES	PR274	H	H	H	H	H	H	H	H	H	H	H
1	PRICKLES	PR278	H	H	H	H	H	H	H	H	H	H	H
1	PRICKLES	PR280	H	H	H	H	H	H	H	H	H	H	H
1	PRICKLES	PR282	H	H	H	H	H	H	H	H	H	H	H
1	PRICKLES	PR283	H	H	H	H	H	H	H	H	H	H	H
1	PRICKLES	PR285	H	H	H	H	H	H	H	H	H	H	H
1	PRICKLES	PR286	H	H	H	H	H	H	H	H	H	H	H
1	PRICKLES	PR287	H	H	H	H	H	H	H	H	H	H	H
1	PRICKLES	PR289	H	H	H	H	H	H	H	H	H	H	H
1	PRICKLES	PR290	H	H	H	H	H	H	H	H	H	H	H
1	PRICKLES	PR292	H	H	H	H	H	H	H	H	H	H	H
1	PRICKLES	PR293	H	H	H	H	H	H	H	H	H	H	H
1	PRICKLES	PR295	H	H	H	H	H	H	H	H	H	H	H
1	PRICKLES	PR296	H	H	H	H	H	H	H	H	H	H	H
1	PRICKLES	PR300	H	H	H	H	H	H	H	H	H	H	H
1	PRICKLES	PR006	H	H	H	H	H	H	H	H	H	H	H
1	PRICKLES	PR315-2	H	H	H	H	H	H	H	H	H	H	H
1	PRICKLES	PR002	H	H	H	H	H	H	H	H	H	H	H
1	PRICKLES	PR004	H	H	H	H	H	H	H	H	H	H	H
1	PRICKLES	INS1	H	H	H	H	H	H	H	H	H	H	H

Legend	
Homozygous	A
Heterozygous	H

**Table 2. Detailed information on each candidate gene.**

<b>Name:</b>	SMEL_006g267000.1	
<b>Type:</b>	gene	
<b>Source:</b>	maker	
<b>Position:</b>	<a href="#">SMEL3Ch06:105456950..105458396 (+ strand)</a>	
<b>Length:</b>	1447	
<b>Score:</b>	26.2	
<b>load_id:</b>	SMEL_006g267000.1	
<b>primary_id:</b>	294760	
<b>gbrowse_dbid:</b>	chromosomes:database	
<b>Parts:</b>	<b>Name:</b>	SMEL_006g267000.1.01
	<b>Type:</b>	mRNA
	<b>Source:</b>	maker
	<b>Position:</b>	<a href="#">SMEL3Ch06:105456950..105458396 (+ strand)</a>
	<b>Length:</b>	1447
	<b>Score:</b>	26.2
	<b>load_id:</b>	SMEL_006g267000.1.01
	<b>parent_id:</b>	SMEL_006g267000.1
	<b>primary_id:</b>	294761
	<b>Parts:</b>	<b>Type:</b> exon
		<b>Source:</b> maker
		<b>Position:</b> <a href="#">SMEL3Ch06:105456950..105458396 (+ strand)</a>
		<b>Length:</b> 1447
		<b>load_id:</b> SMEL_006g267000.1.01: exon:803

**parent\_id:** SMEL\_006g267000.1.01  
**primary\_id:** 294762  
**Type:** CDS  
**Source:** maker  
**Position:** [SMEL3Ch06:105456950..105458290 \(+ strand\)](#)  
**Length:** 1341  
**load\_id:** SMEL\_006g267000.1.01: cds:1  
**parent\_id:** SMEL\_006g267000.1.01  
**primary\_id:** 294763  
**Type:** three\_prime\_UTR  
**Source:** maker  
**Position:** [SMEL3Ch06:105458291..105458396 \(+ strand\)](#)  
**Length:** 106  
**load\_id:** SMEL\_006g267000.1.01: three\_prime\_utr:1  
**parent\_id:** SMEL\_006g267000.1.01  
**primary\_id:** 294764

>SMEL\_006g267000.1.01 class=Sequence position=[SMEL3Ch06:105456950..105458396 \(+ strand\)](#)

```

ATGGCAGTTA ATGCTGCACA ACCAATTCCA AGTCCAGCAA GAAGAACCCG CTCTTCAACT ACTCCGAAAA TCTCAGAAGC
TCAATCTTCA ACATCTTCTA CGCAGAATCC AAAATCAAAC AGCAGCAATC CGGTCAGTTA CACCTCTAAT TCCGGGTCAG
GTTCAGGATC CGAATACCAC CTTGACACCT CCGTCGCAAC TACCTCCGTA TCCAGCCAGG CATCCCTCTC TAGTTTCCGA
GCATCCTTGC CGGATAATCC TCAAGTCTAT GATTTCTCTG ATATACGTGC CGCCACCAAC AACTTCCTTG CCAAGCGCTA
CTCCTCCACC TCTTCCTCCC AATCATGGCG ATGCAGGCTC CATGGCAAAG ATGTAATTAT CTTCCAAAGA AGAATACAGA
AATCCATGGA GAAAGCGGAA TTGAGGACGA AATTATCATT TATTTGTAGG AGTCATTACA AAAGTATAAT TAAACTCCTC
GGCGCATCAA TTTCCGGCGA TCACATCTAT TTAGTATACG ATTTTGTCCC CGGTTCCAAC CTTTCTCTCT GCCTCCGGAA
CCCTAGAAAC CCTAGCTATA CCGTTCTCTC TACTTGGATG TCCCGAATAC AAATTGCTAC TGATGTTGCT CATGGTCTGG
ATTATATACA CAACACCACC GGTTTGGAGA TCGATCCAGT TCACAAATAT GTAAAGAGCA GTGGAATCAT CGTCACGGAG
CCTTCCTTTA ACGCAAAAAT TTGCCATTTT GGAGCGGCGG AGCTTTGCAG GGGAAGCGAG AGCAAAGCCG TGACGAATGG
CGGTGAGATC TGCGAGGAGC CATCAACAGA TTCAACGCCG GAGCGGAGGG GATCGGCAAC TAGGACTCGC GAGTTTGAAG
CGGTGAGAGG CTACATATCG CCGGAGTTTC AGCTGACAGG AATAGCGACA CAGAAATCCG ACGTGTACGC ATTTGGAGTT
  
```



```

GTGCTGTTGG AATTGTTCTC CGGCGAAGAG CCTGTGAGGT TCAAGTACGA CAAGGCAACC GGTAATTACA GTAAAATCTC
CATTATAGAG ACGGCCAGGG AAGTAATCGG GTGCGGTGGC AATGAGGTGG AAGACGGAGG CGAAGGAGTG GAAAGGCGGT
TGAGGAATTG GGTGGACCGG AGGTTAAGTG ACTCGTTCCC GGTCGAGGTG GCTAAGAAGG TAATTCGATT GGCTCTGGAT
TGTTTACACG TGGAGACAGA TGATAGGCCT GACATGCGCC GGGTGGCGGG TAAGATATCA AAGCTGTATT TAGAGTCCAA
ATTTTGGTCG GATCGGGTCA AAATGCCAC GGAAATATCC TTGTCATTAG CACCTCGATG AGACGATGAT TTCTTTTTTA
TTTTTATTTT GGTGAGATGT ACTTTTCCAG CGAATTTATT GACAAAAATC CACCAAAGTT TAAAGGGGAA TATATCTTTT
TAGGCTG

```

<b>Name:</b>	SMEL_006g267010.1	
<b>Type:</b>	gene	
<b>Source:</b>	maker	
<b>Position:</b>	<a href="#">SMEL3Ch06:105464241..105464489 (- strand)</a>	
<b>Length:</b>	249	
<b>load_id:</b>	SMEL_006g267010.1	
<b>primary_id:</b>	294765	
<b>gbrowse_dbid:</b>	chromosomes:database	
<b>Parts:</b>	<b>Name:</b>	SMEL_006g267010.1.01
	<b>Type:</b>	mRNA
	<b>Source:</b>	maker
	<b>Position:</b>	<a href="#">SMEL3Ch06:105464241..105464489 (- strand)</a>
	<b>Length:</b>	249
	<b>load_id:</b>	SMEL_006g267010.1.01
	<b>parent_id:</b>	SMEL_006g267010.1
	<b>primary_id:</b>	294766
	<b>Parts:</b>	<b>Type:</b> exon
		<b>Source:</b> maker

**Position:** [SMEL3Ch06:105464241..105464489 \(- strand\)](#)  
**Length:** 249  
**load\_id:** SMEL\_006g267010.1.01: exon:1722  
**parent\_id:** SMEL\_006g267010.1.01  
**primary\_id:** 294767

---

**Type:** CDS  
**Source:** maker  
**Position:** [SMEL3Ch06:105464241..105464489 \(- strand\)](#)  
**Length:** 249  
**load\_id:** SMEL\_006g267010.1.01: cds:1  
**parent\_id:** SMEL\_006g267010.1.01  
**primary\_id:** 294768

>SMEL\_006g267010.1.01 class=Sequence position=[SMEL3Ch06:105464241..105464489 \(- strand\)](#)

```
ATGCAGGAGG AGATCAACAA AAGTATGGAA AATATGAGCA AATTTGTTGC TGTTGTTTTA GTTATGTTGG TGATGATGAG
TTCTTGCATG GCAACAAGTA GGAGTTTGAA TTATTATGAG GAGCAGCCTG CAGAAGGAGG AACCAAGAACA ATGGATAATC
ATCATCACAT GAGTAGGGAG CAATTCAATA ACAATAATGG TGGTGGAGGT GCTCCTAAAA ATGATAATAC AAATGATCTG
AAGTTCTAA
```

**Name:** SMEL\_006g267020.1  
**Type:** gene  
**Source:** maker  
**Position:** [SMEL3Ch06:105468115..105471025 \(+ strand\)](#)  
**Length:** 2911  
**Score:** 7.49  
**load\_id:** SMEL\_006g267020.1

**primary\_id:** 294769

**gbrowse\_dbid:** chromosomes:database

**Parts:**

<b>Name:</b>	SMEL_006g267020.1.01
<b>Type:</b>	mRNA
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105468115..105471025 (+ strand)</a>
<b>Length:</b>	2911
<b>Score:</b>	7.49
<b>load_id:</b>	SMEL_006g267020.1.01
<b>parent_id:</b>	SMEL_006g267020.1
<b>primary_id:</b>	294770

**Parts:**

<b>Type:</b>	exon
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105468115..105468234 (+ strand)</a>
<b>Length:</b>	120
<b>load_id:</b>	SMEL_006g267020.1.01:exon:1647
<b>parent_id:</b>	SMEL_006g267020.1.01
<b>primary_id:</b>	294771

**Parts:**

<b>Type:</b>	five_prime_UTR
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105468115..105468149 (+ strand)</a>
<b>Length:</b>	35
<b>load_id:</b>	SMEL_006g267020.1.01:five_prime_utr:1
<b>parent_id:</b>	SMEL_006g267020.1.01
<b>primary_id:</b>	294778

**Type:** CDS  
**Source:** maker  
**Position:** [SMEL3Ch06:105468150..105468234 \(+ strand\)](#)  
**Length:** 85  
**load\_id:** SMEL\_006g267020.1.01:cds:1  
**parent\_id:** SMEL\_006g267020.1.01  
**primary\_id:** 294779

**Type:** exon  
**Source:** maker  
**Position:** [SMEL3Ch06:105468360..105468580 \(+ strand\)](#)  
**Length:** 221  
**load\_id:** SMEL\_006g267020.1.01:exon:1648  
**parent\_id:** SMEL\_006g267020.1.01  
**primary\_id:** 294772

**Type:** CDS  
**Source:** maker  
**Position:** [SMEL3Ch06:105468360..105468580 \(+ strand\)](#)  
**Length:** 221  
**load\_id:** SMEL\_006g267020.1.01:cds:2  
**parent\_id:** SMEL\_006g267020.1.01  
**primary\_id:** 294780

**Type:** exon  
**Source:** maker  
**Position:** [SMEL3Ch06:105468683..105468786 \(+ strand\)](#)  
**Length:** 104

<b>load_id:</b>	SMEL_006g267020.1.01:exon:1649
<b>parent_id:</b>	SMEL_006g267020.1.01
<b>primary_id:</b>	294773
<b>Type:</b>	CDS
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105468683..105468786 (+ strand)</a>
<b>Length:</b>	104
<b>load_id:</b>	SMEL_006g267020.1.01:cds:3
<b>parent_id:</b>	SMEL_006g267020.1.01
<b>primary_id:</b>	294781
<b>Type:</b>	exon
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105468959..105469064 (+ strand)</a>
<b>Length:</b>	106
<b>load_id:</b>	SMEL_006g267020.1.01:exon:1650
<b>parent_id:</b>	SMEL_006g267020.1.01
<b>primary_id:</b>	294774
<b>Type:</b>	CDS
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105468959..105469064 (+ strand)</a>
<b>Length:</b>	106
<b>load_id:</b>	SMEL_006g267020.1.01:cds:4
<b>parent_id:</b>	SMEL_006g267020.1.01
<b>primary_id:</b>	294782
<b>Type:</b>	exon

**Source:** maker  
**Position:** [SMEL3Ch06:105469934..105470104 \(+ strand\)](#)  
**Length:** 171  
**load\_id:** SMEL\_006g267020.1.01:exon:1651  
**parent\_id:** SMEL\_006g267020.1.01  
**primary\_id:** 294775

**Type:** CDS  
**Source:** maker  
**Position:** [SMEL3Ch06:105469934..105470104 \(+ strand\)](#)  
**Length:** 171  
**load\_id:** SMEL\_006g267020.1.01:cds:5  
**parent\_id:** SMEL\_006g267020.1.01  
**primary\_id:** 294783

**Type:** exon  
**Source:** maker  
**Position:** [SMEL3Ch06:105470197..105470250 \(+ strand\)](#)  
**Length:** 54  
**load\_id:** SMEL\_006g267020.1.01:exon:1652  
**parent\_id:** SMEL\_006g267020.1.01  
**primary\_id:** 294776

**Type:** CDS  
**Source:** maker  
**Position:** [SMEL3Ch06:105470197..105470250 \(+ strand\)](#)  
**Length:** 54  
**load\_id:** SMEL\_006g267020.1.01:cds:6

<b>parent_id:</b>	SMEL_006g267020.1.01
<b>primary_id:</b>	294784
<b>Type:</b>	exon
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105470802..105471025 (+ strand)</a>
<b>Length:</b>	224
<b>load_id:</b>	SMEL_006g267020.1.01:exon:1653
<b>parent_id:</b>	SMEL_006g267020.1.01
<b>primary_id:</b>	294777
<b>Type:</b>	CDS
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105470802..105470879 (+ strand)</a>
<b>Length:</b>	78
<b>load_id:</b>	SMEL_006g267020.1.01:cds:7
<b>parent_id:</b>	SMEL_006g267020.1.01
<b>primary_id:</b>	294785
<b>Type:</b>	three_prime_UTR
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105470880..105471025 (+ strand)</a>
<b>Length:</b>	146
<b>load_id:</b>	SMEL_006g267020.1.01:three_prime_utr:1
<b>parent_id:</b>	SMEL_006g267020.1.01
<b>primary_id:</b>	294786

>SMEL\_006g267020.1.01 class=Sequence position=[SMEL3Ch06:105468115..105471025 \(+ strand\)](#)

AAACATTTCT AACAGTTAAA GATATATTAA AAAACATGAA TATGGCAACA ATAACCAAAA TCTTGTTTAT TTATTTTCTC  
TTCCTTTCAA GCGCATTCT TGCGAGGTCC GGAGAAGTTG GTACGTTAAA TATATCAGAA ATAGAACCCT CCAATAACAT

TTACATGTAT	TATTTTTTTA	ACTGATATGA	TAGTATATAA	AAAAGTGTTT	TTGATTGTTT	TTCTATGTTT	GGAAAATTGA	
CGTAGATGAT	GAGCGTGAGT	TTAGTTATGA	TGAAAACGCC	ATAAATGGAC	CAGCTAACTG	GAGCCAAATT	CATCCAATTG	
ATTGGATCAA	ATGTAATAAT	GGAAAAATGC	AGTCTCCAAT	CGATTTTCCT	AACGATAAGG	TTGAAGTTGT	ATCGAATTTA	
GGAAACTTTC	AAAAATTTTA	TAAACCATCA	AATGCCACTC	TCTCAAACAG	AGGTCATGAT	GTAATG	GTAC	GTTTAAATTA
AGAGATTATT	TGTTGATCAT	GATATTAATT	ACGTACTACG	ATATCGAAAT	AATTTTGTA	TGAGTGAATT	ACCAATTTAT	
GAATGTAGGT	GAAATGGGAT	AATGGAGGAT	TTCTGAGGAT	TAATGGAAC	CAATATAAAC	TTCAACAAGT	TCATTGGCAT	
ACACCTTCTG	AACATACTAT	TAATGGAAAA	AGGTACACTC	ACTAGTCCCT	AGTTTACTGA	GGGTGTAAAT	AATTTTTTATT	
TTAAATATTT	TTAAAAC	GA	AAATATGTTA	TATAAATTAG	AAGAATTTTT	GTTTTTATCT	TTTTATTTAT	TAAAAATTTA
TATTTTATAT	AAATTACACT	ACTTATAAAG	TGATATTTAT	ACAGGTTTGA	TATGGAGGGT	CATTTGGTAC	ACGAAACGAG	
TGATGGAAAG	AATATTGCTG	TCATTGGAAT	CCACTACGAG	ATTGGACCGC	CTGATCTCTT	TCTAACCTTA	GTAACAAAT	
AATTTATTTT	TTACAAAAA	AATAATTTAA	ATATGCAGCT	TATTTTATTA	TATTCTTTGA	AATTTGTTAC	CATTTAAAAA	
AAATAAATCA	GCATATTTTA	TTATATTCTT	TAATATTCTT	TATCATTTAA	AAAAAATAAA	TTAACTTATT	TTATTATATT	
CTTTAAAATT	CTTTATTATT	TTAAAAAATA	AATGTCTACT	CTTTCATATC	CTCAGATACA	TCACTTCATG	TGATCCATCG	
ATCTAAGTTG	CTCGACTCTT	TATTTTTAGT	GTTGCACCGC	TGTCAACCCG	ACATATTTGT	GGAATCTTTG	TCTAATTTGG	
TCAACTGATT	TCGGATACAT	TGATCAAAAAT	CGATGAGGAA	AGTTCGGATG	GTTTTAATGA	TTTCTGTAAT	TAATACAAAA	
GCGAAGGTAA	AATTAAAGAA	ATGAAATACT	TTTTATATAG	AAAATTCTAT	GGCAAGCCTT	TTTCTTTAAC	CTCCTTCTAG	
GATTCTCTTC	AAGTTCTCCA	CATATACTCA	TAATTTAGAT	TTTACCATT	TATTTTTTAG	ATATTTTGAT	TATTTTTAAA	
GTGAGTCTCC	ACATTTGTAT	CTATATATGG	ATCCATATAA	TTCGAATCTT	AAAAATTAGG	TTATGAAGGA	TCCAACATCT	
AGATCAGCAA	CTGTATTGGA	CACCCGCACC	TGAGTCCGAG	CAACTTAGGT	CTCGATCGGA	TACATCATT	CACGCGATGT	
CCGAGATTTT	TATAAATAAA	AAAATATGAA	TAAAATGTAA	TTAGCTCATT	ACATTATAAG	ATTCCATAAA	ATTCTACGAT	
TTAATCGATC	TTATTTATCA	GATTCTTGAA	ATAATTGTTT	ATTTTAATTT	TAATCACAGA	TAGAGAAAGA	TTTAAAAGCT	
CTTGCTGCTG	AAAAGGTAC	AGGGAAAAGA	GCCATTGGAA	TTAATGATCC	TAATGTAATT	AGAGTGGATG	CCAAAAGATA	
TTACAGGTAT	ATGGGCTCCC	TAACAGTACC	ACCTTGCACT	GAAAATGTTG	TTTGGACTAT	TGATGCAAAG	GTAACAAATT	
TTGCCCCACC	ATTATTATGA	AAATTTAATA	TAATTACTTA	CATTTTTAAA	AGTAATTTTA	ACTTCTTGTT	TCAATTTCTC	
AGGTTAAAAC	TGTAACCACA	AGACAAATCC	AACTGCTCCG	TGATGCTGTT	CGTGAC	GTGA	GTTAAAAAAG	AATGGCCTAA
TTTGATTTGA	TAAGAAATTT	AAAAAATTAA	AAGGATTTTT	TAATCTTGTTG	GTCATAAATT	AAAATTATAT	CAAATGTATC	
AAAATATTTT	TTAACTTTGT	GGTTTTAAAT	ATACCACCGT	AGAAAGATGA	AATTTAAATTT	TTGCAGAAAA	AAAGGGTCAT	
ATTTTTTAAAC	CGACTAAAAA	GGAAAGAAGA	TTATTTTTTT	TAAATGGAC	GGAGTACTAA	TTTTTTTTTAA	GGGAAACCTG	
ATTGGTTATA	TATACGTATG	TTTTGTCCAT	TTCTCATTCC	AAATTTGACA	TAGATACTAT	TTAAATCAAA	TATGTACTAA	
AATTTCTCTG	AAAGATTTTT	CAAACCCCAA	AGAGTTTCTA	TAAACTTTT	ATTTTCAATT	TGTGTGAATT	TGTGACTCAA	
AAAGGGTGTT	TCTTCAATTG	AAAACCTCACG	AATCTGCCTT	TAAAAAATAA	AATAACCTAC	TTATAATAAT	AATAATTTTT	
TAAAAAATAT	ATTTTCTTGA	TTTTTTCTTC	TCATGTTTTT	ATCACAGGGA	TTTCAATACA	ATGCAAGACC	AATTCAGCCA	
TTAAACGGAC	GTCCTATCAA	ATTC AACAAA	CCTTGGTTAA	TTTAAAATAA	TAATAATAAT	GTACTACTTT	CATTAATAAA	
TCTGTAGGAT	CCTCCTAAAC	CATCCTCCAG	GCTTTATTTA	AAAATAAATA	AATAAAGTTG	TATTGTACTA	TTACAACCTGA	
TCTATGATAA	TACTCCTTGG	ACTTGGTCCA	C					



**Name:** SMEL\_006g267030.1  
**Type:** gene  
**Source:** maker  
**Position:** [SMEL3Ch06:105476869..105479798 \(+ strand\)](#)  
**Length:** 2930  
**Score:** 5.22  
**load\_id:** SMEL\_006g267030.1  
**primary\_id:** 294787  
**gbrowse\_dbid:** chromosomes:database

**Parts:**

<b>Name:</b>	SMEL_006g267030.1.01
<b>Type:</b>	mRNA
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105476869..105479798 (+ strand)</a>
<b>Length:</b>	2930
<b>Score:</b>	5.22
<b>load_id:</b>	SMEL_006g267030.1.01
<b>parent_id:</b>	SMEL_006g267030.1
<b>primary_id:</b>	294788

<b>Parts:</b>	<b>Type:</b>	exon
	<b>Source:</b>	maker
	<b>Position:</b>	<a href="#">SMEL3Ch06:105476869..105477171 (+ strand)</a>
	<b>Length:</b>	303
	<b>load_id:</b>	SMEL_006g267030.1.01:exon:1629
	<b>parent_id:</b>	SMEL_006g267030.1.01
	<b>primary_id:</b>	294789

**Type:** five\_prime\_UTR  
**Source:** maker  
**Position:** [SMEL3Ch06:105476869..105477092 \(+ strand\)](#)  
**Length:** 224  
**load\_id:** SMEL\_006g267030.1.01:five\_prime\_utr:1  
**parent\_id:** SMEL\_006g267030.1.01  
**primary\_id:** 294796

**Type:** CDS  
**Source:** maker  
**Position:** [SMEL3Ch06:105477093..105477171 \(+ strand\)](#)  
**Length:** 79  
**load\_id:** SMEL\_006g267030.1.01:cds:1  
**parent\_id:** SMEL\_006g267030.1.01  
**primary\_id:** 294797

**Type:** exon  
**Source:** maker  
**Position:** [SMEL3Ch06:105477263..105477471 \(+ strand\)](#)  
**Length:** 209  
**load\_id:** SMEL\_006g267030.1.01:exon:1630  
**parent\_id:** SMEL\_006g267030.1.01  
**primary\_id:** 294790

**Type:** CDS  
**Source:** maker  
**Position:** [SMEL3Ch06:105477263..105477471 \(+ strand\)](#)  
**Length:** 209

<b>load_id:</b>	SMEL_006g267030.1.01:cds:2
<b>parent_id:</b>	SMEL_006g267030.1.01
<b>primary_id:</b>	294798
<b>Type:</b>	exon
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105477579..105477685 (+ strand)</a>
<b>Length:</b>	107
<b>load_id:</b>	SMEL_006g267030.1.01:exon:1631
<b>parent_id:</b>	SMEL_006g267030.1.01
<b>primary_id:</b>	294791
<b>Type:</b>	CDS
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105477579..105477685 (+ strand)</a>
<b>Length:</b>	107
<b>load_id:</b>	SMEL_006g267030.1.01:cds:3
<b>parent_id:</b>	SMEL_006g267030.1.01
<b>primary_id:</b>	294799
<b>Type:</b>	exon
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105478283..105478388 (+ strand)</a>
<b>Length:</b>	106
<b>load_id:</b>	SMEL_006g267030.1.01:exon:1632
<b>parent_id:</b>	SMEL_006g267030.1.01
<b>primary_id:</b>	294792
<b>Type:</b>	CDS

**Source:** maker  
**Position:** [SMEL3Ch06:105478283..105478388 \(+ strand\)](#)  
**Length:** 106  
**load\_id:** SMEL\_006g267030.1.01:cds:4  
**parent\_id:** SMEL\_006g267030.1.01  
**primary\_id:** 294800

**Type:** exon  
**Source:** maker  
**Position:** [SMEL3Ch06:105478485..105478652 \(+ strand\)](#)  
**Length:** 168  
**load\_id:** SMEL\_006g267030.1.01:exon:1633  
**parent\_id:** SMEL\_006g267030.1.01  
**primary\_id:** 294793

**Type:** CDS  
**Source:** maker  
**Position:** [SMEL3Ch06:105478485..105478652 \(+ strand\)](#)  
**Length:** 168  
**load\_id:** SMEL\_006g267030.1.01:cds:5  
**parent\_id:** SMEL\_006g267030.1.01  
**primary\_id:** 294801

**Type:** exon  
**Source:** maker  
**Position:** [SMEL3Ch06:105478753..105478806 \(+ strand\)](#)  
**Length:** 54  
**load\_id:** SMEL\_006g267030.1.01:exon:1634

<b>parent_id:</b>	SMEL_006g267030.1.01
<b>primary_id:</b>	294794
<b>Type:</b>	CDS
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105478753..105478806 (+ strand)</a>
<b>Length:</b>	54
<b>load_id:</b>	SMEL_006g267030.1.01:cds:6
<b>parent_id:</b>	SMEL_006g267030.1.01
<b>primary_id:</b>	294802
<b>Type:</b>	exon
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105479583..105479798 (+ strand)</a>
<b>Length:</b>	216
<b>load_id:</b>	SMEL_006g267030.1.01:exon:1635
<b>parent_id:</b>	SMEL_006g267030.1.01
<b>primary_id:</b>	294795
<b>Type:</b>	CDS
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105479583..105479651 (+ strand)</a>
<b>Length:</b>	69
<b>load_id:</b>	SMEL_006g267030.1.01:cds:7
<b>parent_id:</b>	SMEL_006g267030.1.01
<b>primary_id:</b>	294803
<b>Type:</b>	three_prime_UTR
<b>Source:</b>	maker

**Position:** SMEL3Ch06:105479652..105479798 (+ strand)  
**Length:** 147  
**load\_id:** SMEL\_006g267030.1.01:three\_prime\_utr:1  
**parent\_id:** SMEL\_006g267030.1.01  
**primary\_id:** 294804

>SMEL\_006g267030.1.01 class=Sequence position=SMEL3Ch06:105476869..105479798 (+ strand)

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CTCCTTTTTA	ATAGAATTTT	TCAATTATTT	TTCAAAATCT	CAATGTTGAC	AACTATTTTT	AAGAAAAGTT	TGAAAAAAG
TAAAAGGATA	ATATTGTCAA	ATAACTGTTT	AACTATTAAT	TAATTTTCTT	AAAATGTGTA	GCACACCTCT	AAAATTCCT
TATTTTGGCA	GAAGAAATTA	TATAATAACT	TAAAAGACAA	TATTTTCTTG	ACTTTTTTCT	TCTGTTTATC	TCAGGGATTT
GAATCCAATG	CCAGACCAAT	TCAGCCATCA	CACGGACGTC	CTATTAAACT	CAATAAACCT	TAAACTTTTG	CTTAATTAGG
AGTTAATATG	ATGTTTATGT	TACAAATATT	TGTATCATAA	ATATCTCATT	GTATACACAG	TGACAGTAAT	ATAATACATG
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<b>Name:</b>	SMEL_006g267040.1	
<b>Type:</b>	gene	
<b>Source:</b>	maker	
<b>Position:</b>	<a href="#">SMEL3Ch06:105488260..105493655 (- strand)</a>	
<b>Length:</b>	5396	
<b>load_id:</b>	SMEL_006g267040.1	
<b>primary_id:</b>	294805	
<b>gbrowse_dbid:</b>	chromosomes:database	
<b>Parts:</b>	<b>Name:</b>	SMEL_006g267040.1.01
	<b>Type:</b>	mRNA
	<b>Source:</b>	maker
	<b>Position:</b>	<a href="#">SMEL3Ch06:105488260..105493655 (- strand)</a>
	<b>Length:</b>	5396
	<b>load_id:</b>	SMEL_006g267040.1.01
	<b>parent_id:</b>	SMEL_006g267040.1
	<b>primary_id:</b>	294806
	<b>Parts:</b>	<b>Type:</b> exon

**Source:** maker  
**Position:** [SMEL3Ch06:105488260..105488582 \(- strand\)](#)  
**Length:** 323  
**load\_id:** SMEL\_006g267040.1.01:exon:2045  
**parent\_id:** SMEL\_006g267040.1.01  
**primary\_id:** 294807

**Type:** three\_prime\_UTR  
**Source:** maker  
**Position:** [SMEL3Ch06:105488260..105488582 \(- strand\)](#)  
**Length:** 323  
**load\_id:** SMEL\_006g267040.1.01:three\_prime\_utr:2  
**parent\_id:** SMEL\_006g267040.1.01  
**primary\_id:** 294822

**Type:** exon  
**Source:** maker  
**Position:** [SMEL3Ch06:105488673..105488718 \(- strand\)](#)  
**Length:** 46  
**load\_id:** SMEL\_006g267040.1.01:exon:2044  
**parent\_id:** SMEL\_006g267040.1.01  
**primary\_id:** 294808

**Type:** three\_prime\_UTR  
**Source:** maker  
**Position:** [SMEL3Ch06:105488673..105488718 \(- strand\)](#)  
**Length:** 46  
**load\_id:** SMEL\_006g267040.1.01:three\_prime\_utr:1



<b>parent_id:</b>	SMEL_006g267040.1.01
<b>primary_id:</b>	294823
<b>Type:</b>	exon
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105488941..105489206 (- strand)</a>
<b>Length:</b>	266
<b>load_id:</b>	SMEL_006g267040.1.01:exon:2043
<b>parent_id:</b>	SMEL_006g267040.1.01
<b>primary_id:</b>	294809
<b>Type:</b>	CDS
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105488941..105489206 (- strand)</a>
<b>Length:</b>	266
<b>load_id:</b>	SMEL_006g267040.1.01:cds:6
<b>parent_id:</b>	SMEL_006g267040.1.01
<b>primary_id:</b>	294816
<b>Type:</b>	exon
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105489340..105489432 (- strand)</a>
<b>Length:</b>	93
<b>load_id:</b>	SMEL_006g267040.1.01:exon:2042
<b>parent_id:</b>	SMEL_006g267040.1.01
<b>primary_id:</b>	294810
<b>Type:</b>	CDS
<b>Source:</b>	maker

**Position:** [SMEL3Ch06:105489340..105489432 \(- strand\)](#)  
**Length:** 93  
**load\_id:** SMEL\_006g267040.1.01:cds:5  
**parent\_id:** SMEL\_006g267040.1.01  
**primary\_id:** 294817

**Type:** exon  
**Source:** maker  
**Position:** [SMEL3Ch06:105490856..105490955 \(- strand\)](#)  
**Length:** 100  
**load\_id:** SMEL\_006g267040.1.01:exon:2041  
**parent\_id:** SMEL\_006g267040.1.01  
**primary\_id:** 294811

**Type:** CDS  
**Source:** maker  
**Position:** [SMEL3Ch06:105490856..105490955 \(- strand\)](#)  
**Length:** 100  
**load\_id:** SMEL\_006g267040.1.01:cds:4  
**parent\_id:** SMEL\_006g267040.1.01  
**primary\_id:** 294818

**Type:** exon  
**Source:** maker  
**Position:** [SMEL3Ch06:105491570..105491674 \(- strand\)](#)  
**Length:** 105  
**load\_id:** SMEL\_006g267040.1.01:exon:2040  
**parent\_id:** SMEL\_006g267040.1.01

<b>primary_id:</b>	294812
<b>Type:</b>	CDS
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105491570..105491674 (- strand)</a>
<b>Length:</b>	105
<b>load_id:</b>	SMEL_006g267040.1.01:cds:3
<b>parent_id:</b>	SMEL_006g267040.1.01
<b>primary_id:</b>	294819
<b>Type:</b>	exon
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105491846..105491986 (- strand)</a>
<b>Length:</b>	141
<b>load_id:</b>	SMEL_006g267040.1.01:exon:2039
<b>parent_id:</b>	SMEL_006g267040.1.01
<b>primary_id:</b>	294813
<b>Type:</b>	CDS
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105491846..105491986 (- strand)</a>
<b>Length:</b>	141
<b>load_id:</b>	SMEL_006g267040.1.01:cds:2
<b>parent_id:</b>	SMEL_006g267040.1.01
<b>primary_id:</b>	294820
<b>Type:</b>	exon
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105492927..105493655 (- strand)</a>

**Length:** 729  
**load\_id:** SMEL\_006g267040.1.01:exon:2038  
**parent\_id:** SMEL\_006g267040.1.01  
**primary\_id:** 294814  


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**Type:** CDS  
**Source:** maker  
**Position:** [SMEL3Ch06:105492927..105493517 \(- strand\)](#)  
**Length:** 591  
**load\_id:** SMEL\_006g267040.1.01:cds:1  
**parent\_id:** SMEL\_006g267040.1.01  
**primary\_id:** 294821  


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**Type:** five\_prime\_UTR  
**Source:** maker  
**Position:** [SMEL3Ch06:105493518..105493655 \(- strand\)](#)  
**Length:** 138  
**load\_id:** SMEL\_006g267040.1.01:five\_prime\_utr:1  
**parent\_id:** SMEL\_006g267040.1.01  
**primary\_id:** 294815

>SMEL\_006g267040.1.01 class=Sequence position=[SMEL3Ch06:105488260..105493655 \(- strand\)](#)

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CAAATTCAGC TGTTAACCAT CTCGTCTCTC TCTCCAAAAT CCCAATTCTC AGAACCCAC AATTCTCCAC TATGTCCACC
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ACAAAGTGAG	TATCTTTTTT	CAAGTTCTAT	CTTTAGTTAT	GTAGATTCTT	GTAGGCAAGA	AAATGTTGTA	GGTTTAGAAT
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CAGCTTTCCA TTTTCTTTG AGCACTGTTG ATCTAATTGT GTGCCAATCA GTTGCTTCAT GAAATGATCT CTCATTGGTA
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AACCTCCACA TGTGCTGCAA CAATACCTTT GCCATTGTCA TTAATTCAGT AGATGTATGC TGCTGGCAAG TGTATACGTA
CGTACATGTA TACATATATA TCAGACGTGC CAGTATACAT TTTGAGCAAT TGCTCTTCGG ATTGACTTTA TTTGTAATAT
GAATTTAACG TTATAGAGAT ATTTACACCA TATTTTGAGT TTGTTGCCTG GTTTACATCA TATTTGTGTA AAAACACCTT
TCATATGTTA TACAAGATTG ATATATTTGC CCATGG

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**Name:** SMEL\_006g267050.1  
**Type:** gene  
**Source:** maker  
**Position:** [SMEL3Ch06:105504136..105509693 \(+ strand\)](#)  
**Length:** 5558  
**load\_id:** SMEL\_006g267050.1  
**primary\_id:** 294824  
**gbrowse\_dbid:** chromosomes:database  
**Parts:**

<b>Name:</b>	SMEL_006g267050.1.01
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**Type:** mRNA  
**Source:** maker  
**Position:** [SMEL3Ch06:105504136..105509693 \(+ strand\)](#)  
**Length:** 5558  
**load\_id:** SMEL\_006g267050.1.01  
**parent\_id:** SMEL\_006g267050.1  
**primary\_id:** 294825

**Parts:**

**Type:** exon  
**Source:** maker  
**Position:** [SMEL3Ch06:105504136..105504158 \(+ strand\)](#)  
**Length:** 23  
**load\_id:** SMEL\_006g267050.1.01:exon:1408  
**parent\_id:** SMEL\_006g267050.1.01  
**primary\_id:** 294826

**Type:** five\_prime\_UTR  
**Source:** maker  
**Position:** [SMEL3Ch06:105504136..105504158 \(+ strand\)](#)  
**Length:** 23  
**load\_id:** SMEL\_006g267050.1.01:five\_prime\_utr:1  
**parent\_id:** SMEL\_006g267050.1.01  
**primary\_id:** 294834

**Type:** exon  
**Source:** maker  
**Position:** [SMEL3Ch06:105504394..105504539 \(+ strand\)](#)  
**Length:** 146

<b>load_id:</b>	SMEL_006g267050.1.01:exon:1409
<b>parent_id:</b>	SMEL_006g267050.1.01
<b>primary_id:</b>	294827
<b>Type:</b>	five_prime_UTR
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105504394..105504425 (+ strand)</a>
<b>Length:</b>	32
<b>load_id:</b>	SMEL_006g267050.1.01:five_prime_utr:2
<b>parent_id:</b>	SMEL_006g267050.1.01
<b>primary_id:</b>	294835
<b>Type:</b>	CDS
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105504426..105504539 (+ strand)</a>
<b>Length:</b>	114
<b>load_id:</b>	SMEL_006g267050.1.01:cds:1
<b>parent_id:</b>	SMEL_006g267050.1.01
<b>primary_id:</b>	294836
<b>Type:</b>	exon
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105504743..105504840 (+ strand)</a>
<b>Length:</b>	98
<b>load_id:</b>	SMEL_006g267050.1.01:exon:1410
<b>parent_id:</b>	SMEL_006g267050.1.01
<b>primary_id:</b>	294828
<b>Type:</b>	CDS



**Source:** maker  
**Position:** [SMEL3Ch06:105504743..105504840 \(+ strand\)](#)  
**Length:** 98  
**load\_id:** SMEL\_006g267050.1.01:cds:2  
**parent\_id:** SMEL\_006g267050.1.01  
**primary\_id:** 294837

**Type:** exon  
**Source:** maker  
**Position:** [SMEL3Ch06:105505442..105505472 \(+ strand\)](#)  
**Length:** 31  
**load\_id:** SMEL\_006g267050.1.01:exon:1411  
**parent\_id:** SMEL\_006g267050.1.01  
**primary\_id:** 294829

**Type:** CDS  
**Source:** maker  
**Position:** [SMEL3Ch06:105505442..105505472 \(+ strand\)](#)  
**Length:** 31  
**load\_id:** SMEL\_006g267050.1.01:cds:3  
**parent\_id:** SMEL\_006g267050.1.01  
**primary\_id:** 294838

**Type:** exon  
**Source:** maker  
**Position:** [SMEL3Ch06:105506887..105506986 \(+ strand\)](#)  
**Length:** 100  
**load\_id:** SMEL\_006g267050.1.01:exon:1412

<b>parent_id:</b>	SMEL_006g267050.1.01
<b>primary_id:</b>	294830
<b>Type:</b>	CDS
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105506887..105506986 (+ strand)</a>
<b>Length:</b>	100
<b>load_id:</b>	SMEL_006g267050.1.01:cds:4
<b>parent_id:</b>	SMEL_006g267050.1.01
<b>primary_id:</b>	294839
<b>Type:</b>	exon
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105507826..105507896 (+ strand)</a>
<b>Length:</b>	71
<b>load_id:</b>	SMEL_006g267050.1.01:exon:1413
<b>parent_id:</b>	SMEL_006g267050.1.01
<b>primary_id:</b>	294831
<b>Type:</b>	CDS
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105507826..105507896 (+ strand)</a>
<b>Length:</b>	71
<b>load_id:</b>	SMEL_006g267050.1.01:cds:5
<b>parent_id:</b>	SMEL_006g267050.1.01
<b>primary_id:</b>	294840
<b>Type:</b>	exon
<b>Source:</b>	maker

<b>Position:</b>	<a href="#">SMEL3Ch06:105508013..105508156 (+ strand)</a>
<b>Length:</b>	144
<b>load_id:</b>	SMEL_006g267050.1.01:exon:1414
<b>parent_id:</b>	SMEL_006g267050.1.01
<b>primary_id:</b>	294832
<b>Type:</b>	CDS
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105508013..105508156 (+ strand)</a>
<b>Length:</b>	144
<b>load_id:</b>	SMEL_006g267050.1.01:cds:6
<b>parent_id:</b>	SMEL_006g267050.1.01
<b>primary_id:</b>	294841
<b>Type:</b>	exon
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105509416..105509693 (+ strand)</a>
<b>Length:</b>	278
<b>load_id:</b>	SMEL_006g267050.1.01:exon:1415
<b>parent_id:</b>	SMEL_006g267050.1.01
<b>primary_id:</b>	294833
<b>Type:</b>	CDS
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105509416..105509475 (+ strand)</a>
<b>Length:</b>	60
<b>load_id:</b>	SMEL_006g267050.1.01:cds:7
<b>parent_id:</b>	SMEL_006g267050.1.01

<b>primary_id:</b>	294842
<b>Type:</b>	three_prime_UTR
<b>Source:</b>	maker
<b>Position:</b>	SMEL3Ch06:105509476..105509693 (+ strand)
<b>Length:</b>	218
<b>load_id:</b>	SMEL_006g267050.1.01:three_prime_utr:1
<b>parent_id:</b>	SMEL_006g267050.1.01
<b>primary_id:</b>	294843

>SMEL\_006g267050.1.01 class=Sequence position=[SMEL3Ch06:105504136..105509693 \(+ strand\)](#)

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<b>Name:</b>	SMEL_006g267060.1	
<b>Type:</b>	gene	
<b>Source:</b>	maker	
<b>Position:</b>	<a href="#">SMEL3Ch06:105513604..105516858 (+ strand)</a>	
<b>Length:</b>	3255	
<b>Score:</b>	48.8	
<b>load_id:</b>	SMEL_006g267060.1	
<b>primary_id:</b>	294844	
<b>gbrowse_dbid:</b>	chromosomes:database	
<b>Parts:</b>	<b>Name:</b>	SMEL_006g267060.1.01
	<b>Type:</b>	mRNA
	<b>Source:</b>	maker
	<b>Position:</b>	<a href="#">SMEL3Ch06:105513604..105516858 (+ strand)</a>
	<b>Length:</b>	3255
	<b>Score:</b>	48.8
	<b>load_id:</b>	SMEL_006g267060.1.01
	<b>parent_id:</b>	SMEL_006g267060.1
	<b>primary_id:</b>	294845

**Parts:**

<b>Type:</b>	exon
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105513604..105514694 (+ strand)</a>
<b>Length:</b>	1091
<b>load_id:</b>	SMEL_006g267060.1.01:exon:467
<b>parent_id:</b>	SMEL_006g267060.1.01
<b>primary_id:</b>	294846

<b>Type:</b>	CDS
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105513604..105514694 (+ strand)</a>
<b>Length:</b>	1091
<b>load_id:</b>	SMEL_006g267060.1.01:cds:1
<b>parent_id:</b>	SMEL_006g267060.1.01
<b>primary_id:</b>	294849

<b>Type:</b>	exon
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105514975..105515645 (+ strand)</a>
<b>Length:</b>	671
<b>load_id:</b>	SMEL_006g267060.1.01:exon:468
<b>parent_id:</b>	SMEL_006g267060.1.01
<b>primary_id:</b>	294847

<b>Type:</b>	CDS
<b>Source:</b>	maker
<b>Position:</b>	<a href="#">SMEL3Ch06:105514975..105515645 (+ strand)</a>
<b>Length:</b>	671

**load\_id:** SMEL\_006g267060.1.01:cds:2  
**parent\_id:** SMEL\_006g267060.1.01  
**primary\_id:** 294850

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**Type:** exon  
**Source:** maker  
**Position:** [SMEL3Ch06:105515729..105516858 \(+ strand\)](#)  
**Length:** 1130

**load\_id:** SMEL\_006g267060.1.01:exon:469  
**parent\_id:** SMEL\_006g267060.1.01  
**primary\_id:** 294848

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**Type:** CDS  
**Source:** maker  
**Position:** [SMEL3Ch06:105515729..105516747 \(+ strand\)](#)  
**Length:** 1019

**load\_id:** SMEL\_006g267060.1.01:cds:3  
**parent\_id:** SMEL\_006g267060.1.01  
**primary\_id:** 294851

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**Type:** three\_prime\_UTR  
**Source:** maker  
**Position:** [SMEL3Ch06:105516748..105516858 \(+ strand\)](#)  
**Length:** 111

**load\_id:** SMEL\_006g267060.1.01:three\_prime\_utr:1  
**parent\_id:** SMEL\_006g267060.1.01  
**primary\_id:** 294852

>SMEL\_006g267060.1.01 class=Sequence position=[SMEL3Ch06:105513604..105516858 \(+ strand\)](#)



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GGTCTCTTAC	TTGAAGATGA	CATTGAAGTC	TCCCCGTACT	ATTATCTTTG	GATCAAGTAT	GCTCTCTTGT	CCTATCACTA
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<b>Name:</b>	SMEL_006g267070.1	
<b>Type:</b>	gene	
<b>Source:</b>	maker	
<b>Position:</b>	SMEL3Ch06:105518832..105531210 (+ strand)	
<b>Length:</b>	12379	
<b>load_id:</b>	SMEL_006g267070.1	
<b>primary_id:</b>	294853	
<b>gbrowse_dbid:</b>	chromosomes:database	
<b>Parts:</b>	<b>Name:</b>	SMEL_006g267070.1.01
	<b>Type:</b>	mRNA
	<b>Source:</b>	maker
	<b>Position:</b>	SMEL3Ch06:105518832..105531210 (+ strand)
	<b>Length:</b>	12379
	<b>load_id:</b>	SMEL_006g267070.1.01
	<b>parent_id:</b>	SMEL_006g267070.1
	<b>primary_id:</b>	294854
	<b>Parts:</b>	<b>Type:</b> exon
		<b>Source:</b> maker
		<b>Position:</b> SMEL3Ch06:105518832..105518919 (+ strand)
		<b>Length:</b> 88

<b>load_id:</b>	SMEL_006g267070.1.01:exon:1420
<b>parent_id:</b>	SMEL_006g267070.1.01
<b>primary_id:</b>	294855
<b>Type:</b>	five_prime_UTR
<b>Source:</b>	maker
<b>Position:</b>	SMEL3Ch06:105518832..105518919 (+ strand)
<b>Length:</b>	88
<b>load_id:</b>	SMEL_006g267070.1.01:five_prime_utr:1
<b>parent_id:</b>	SMEL_006g267070.1.01
<b>primary_id:</b>	294870
<b>Type:</b>	exon
<b>Source:</b>	maker
<b>Position:</b>	SMEL3Ch06:105519449..105519582 (+ strand)
<b>Length:</b>	134
<b>load_id:</b>	SMEL_006g267070.1.01:exon:1421
<b>parent_id:</b>	SMEL_006g267070.1.01
<b>primary_id:</b>	294856
<b>Type:</b>	five_prime_UTR
<b>Source:</b>	maker
<b>Position:</b>	SMEL3Ch06:105519449..105519562 (+ strand)
<b>Length:</b>	114
<b>load_id:</b>	SMEL_006g267070.1.01:five_prime_utr:2
<b>parent_id:</b>	SMEL_006g267070.1.01
<b>primary_id:</b>	294871
<b>Type:</b>	CDS

**Source:** maker  
**Position:** SMEL3Ch06:105519563..105519582 (+ strand)  
**Length:** 20  
**load\_id:** SMEL\_006g267070.1.01:cds:1  
**parent\_id:** SMEL\_006g267070.1.01  
**primary\_id:** 294872

**Type:** exon  
**Source:** maker  
**Position:** SMEL3Ch06:105519701..105519818 (+ strand)  
**Length:** 118  
**load\_id:** SMEL\_006g267070.1.01:exon:1422  
**parent\_id:** SMEL\_006g267070.1.01  
**primary\_id:** 294857

**Type:** CDS  
**Source:** maker  
**Position:** SMEL3Ch06:105519701..105519818 (+ strand)  
**Length:** 118  
**load\_id:** SMEL\_006g267070.1.01:cds:2  
**parent\_id:** SMEL\_006g267070.1.01  
**primary\_id:** 294873

**Type:** exon  
**Source:** maker  
**Position:** SMEL3Ch06:105519905..105520021 (+ strand)  
**Length:** 117  
**load\_id:** SMEL\_006g267070.1.01:exon:1423

<b>parent_id:</b>	SMEL_006g267070.1.01
<b>primary_id:</b>	294858
<b>Type:</b>	CDS
<b>Source:</b>	maker
<b>Position:</b>	SMEL3Ch06:105519905..105520021 (+ strand)
<b>Length:</b>	117
<b>load_id:</b>	SMEL_006g267070.1.01:cds:3
<b>parent_id:</b>	SMEL_006g267070.1.01
<b>primary_id:</b>	294874
<b>Type:</b>	exon
<b>Source:</b>	maker
<b>Position:</b>	SMEL3Ch06:105524096..105524200 (+ strand)
<b>Length:</b>	105
<b>load_id:</b>	SMEL_006g267070.1.01:exon:1424
<b>parent_id:</b>	SMEL_006g267070.1.01
<b>primary_id:</b>	294859
<b>Type:</b>	CDS
<b>Source:</b>	maker
<b>Position:</b>	SMEL3Ch06:105524096..105524200 (+ strand)
<b>Length:</b>	105
<b>load_id:</b>	SMEL_006g267070.1.01:cds:4
<b>parent_id:</b>	SMEL_006g267070.1.01
<b>primary_id:</b>	294875
<b>Type:</b>	exon
<b>Source:</b>	maker

**Position:** SMEL3Ch06:105524647..105524730 (+ strand)  
**Length:** 84  
**load\_id:** SMEL\_006g267070.1.01:exon:1425  
**parent\_id:** SMEL\_006g267070.1.01  
**primary\_id:** 294860

**Type:** CDS  
**Source:** maker  
**Position:** SMEL3Ch06:105524647..105524730 (+ strand)  
**Length:** 84  
**load\_id:** SMEL\_006g267070.1.01:cds:5  
**parent\_id:** SMEL\_006g267070.1.01  
**primary\_id:** 294876

**Type:** exon  
**Source:** maker  
**Position:** SMEL3Ch06:105524835..105524950 (+ strand)  
**Length:** 116  
**load\_id:** SMEL\_006g267070.1.01:exon:1426  
**parent\_id:** SMEL\_006g267070.1.01  
**primary\_id:** 294861

**Type:** CDS  
**Source:** maker  
**Position:** SMEL3Ch06:105524835..105524950 (+ strand)  
**Length:** 116  
**load\_id:** SMEL\_006g267070.1.01:cds:6  
**parent\_id:** SMEL\_006g267070.1.01

<b>primary_id:</b>	294877
<b>Type:</b>	exon
<b>Source:</b>	maker
<b>Position:</b>	SMEL3Ch06:105525187..105525288 (+ strand)
<b>Length:</b>	102
<b>load_id:</b>	SMEL_006g267070.1.01:exon:1427
<b>parent_id:</b>	SMEL_006g267070.1.01
<b>primary_id:</b>	294862
<b>Type:</b>	CDS
<b>Source:</b>	maker
<b>Position:</b>	SMEL3Ch06:105525187..105525288 (+ strand)
<b>Length:</b>	102
<b>load_id:</b>	SMEL_006g267070.1.01:cds:7
<b>parent_id:</b>	SMEL_006g267070.1.01
<b>primary_id:</b>	294878
<b>Type:</b>	exon
<b>Source:</b>	maker
<b>Position:</b>	SMEL3Ch06:105525393..105525506 (+ strand)
<b>Length:</b>	114
<b>load_id:</b>	SMEL_006g267070.1.01:exon:1428
<b>parent_id:</b>	SMEL_006g267070.1.01
<b>primary_id:</b>	294863
<b>Type:</b>	CDS
<b>Source:</b>	maker
<b>Position:</b>	SMEL3Ch06:105525393..105525506 (+ strand)

<b>Length:</b>	114
<b>load_id:</b>	SMEL_006g267070.1.01:cds:8
<b>parent_id:</b>	SMEL_006g267070.1.01
<b>primary_id:</b>	294879
<b>Type:</b>	exon
<b>Source:</b>	maker
<b>Position:</b>	SMEL3Ch06:105525643..105525699 (+ strand)
<b>Length:</b>	57
<b>load_id:</b>	SMEL_006g267070.1.01:exon:1429
<b>parent_id:</b>	SMEL_006g267070.1.01
<b>primary_id:</b>	294864
<b>Type:</b>	CDS
<b>Source:</b>	maker
<b>Position:</b>	SMEL3Ch06:105525643..105525699 (+ strand)
<b>Length:</b>	57
<b>load_id:</b>	SMEL_006g267070.1.01:cds:9
<b>parent_id:</b>	SMEL_006g267070.1.01
<b>primary_id:</b>	294880
<b>Type:</b>	exon
<b>Source:</b>	maker
<b>Position:</b>	SMEL3Ch06:105528570..105528636 (+ strand)
<b>Length:</b>	67
<b>load_id:</b>	SMEL_006g267070.1.01:exon:1430
<b>parent_id:</b>	SMEL_006g267070.1.01
<b>primary_id:</b>	294865



**Type:** CDS  
**Source:** maker  
**Position:** SMEL3Ch06:105528570..105528636 (+ strand)  
**Length:** 67  
**load\_id:** SMEL\_006g267070.1.01:cds:10  
**parent\_id:** SMEL\_006g267070.1.01  
**primary\_id:** 294881

**Type:** exon  
**Source:** maker  
**Position:** SMEL3Ch06:105528765..105528818 (+ strand)  
**Length:** 54  
**load\_id:** SMEL\_006g267070.1.01:exon:1431  
**parent\_id:** SMEL\_006g267070.1.01  
**primary\_id:** 294866

**Type:** CDS  
**Source:** maker  
**Position:** SMEL3Ch06:105528765..105528818 (+ strand)  
**Length:** 54  
**load\_id:** SMEL\_006g267070.1.01:cds:11  
**parent\_id:** SMEL\_006g267070.1.01  
**primary\_id:** 294882

**Type:** exon  
**Source:** maker  
**Position:** SMEL3Ch06:105529026..105529100 (+ strand)  
**Length:** 75

<b>load_id:</b>	SMEL_006g267070.1.01:exon:1432
<b>parent_id:</b>	SMEL_006g267070.1.01
<b>primary_id:</b>	294867
<b>Type:</b>	CDS
<b>Source:</b>	maker
<b>Position:</b>	SMEL3Ch06:105529026..105529100 (+ strand)
<b>Length:</b>	75
<b>load_id:</b>	SMEL_006g267070.1.01:cds:12
<b>parent_id:</b>	SMEL_006g267070.1.01
<b>primary_id:</b>	294883
<b>Type:</b>	exon
<b>Source:</b>	maker
<b>Position:</b>	SMEL3Ch06:105530784..105530819 (+ strand)
<b>Length:</b>	36
<b>load_id:</b>	SMEL_006g267070.1.01:exon:1433
<b>parent_id:</b>	SMEL_006g267070.1.01
<b>primary_id:</b>	294868
<b>Type:</b>	CDS
<b>Source:</b>	maker
<b>Position:</b>	SMEL3Ch06:105530784..105530819 (+ strand)
<b>Length:</b>	36
<b>load_id:</b>	SMEL_006g267070.1.01:cds:13
<b>parent_id:</b>	SMEL_006g267070.1.01
<b>primary_id:</b>	294884
<b>Type:</b>	exon

**Source:** maker  
**Position:** SMEL3Ch06:105530924..105531210 (+ strand)  
**Length:** 287  
**load\_id:** SMEL\_006g267070.1.01:exon:1434  
**parent\_id:** SMEL\_006g267070.1.01  
**primary\_id:** 294869

**Type:** CDS  
**Source:** maker  
**Position:** SMEL3Ch06:105530924..105531022 (+ strand)  
**Length:** 99  
**load\_id:** SMEL\_006g267070.1.01:cds:14  
**parent\_id:** SMEL\_006g267070.1.01  
**primary\_id:** 294885

**Type:** three\_prime\_UTR  
**Source:** maker  
**Position:** SMEL3Ch06:105531023..105531210 (+ strand)  
**Length:** 188  
**load\_id:** SMEL\_006g267070.1.01:three\_prime\_utr:1  
**parent\_id:** SMEL\_006g267070.1.01  
**primary\_id:** 294886

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TGACTGGATT	ATCTTTTGTG	TCTTTAGAGT	TCTAGGTAGA	AAGAGGAGAG	GCTTACTGAG	AGACAAGAAT
GCTATTCCTG	TGACATGATT	TAATTCCCTA	GAACTAAAGT	TGGTTTTGTT	TCCCTATATT	GTGGATTAGT
GGTGGCAAAT	GGGTGGGTTG	GGTCAAATTT	GGACGGGTTG	AAAATGGGTC	GATATAAAAT	TGGTAATAAT
TCAATTCACC	CATATTTTAT	TTGGACAAA	AGGGTTGGGG	TGGGGGGTTA	AGGGTAGAGT	GAAAAGA ACT
GATTCTCTTT	TAAAAAAGCT	ACTTTTTAAA	AAAATAAATT	AATTTTCTTT	GGGGTTGGAA	GGGTGGGGTG
GGGTGGGGTG	GTGGCTGGTG	GAGGAGATGG	GGTATGGGGT	GGGGTATGAA	AGAATTGCA	ATTTGTGATT
GGAGCAGAGT	TTTGACATGG	ACAAGCGGCT	TTTATACTTG	CATTGATTTA	GTGCATGTAA	TATACCCAAT
ATACTTGCAT	TGATATAAAC	ATACCCA AAT	TCATTTTGCT	GGCACTATTG	TAGCCTAAAA	GCTAGAGTCA

TCAATATGGG	CTGACCTGGC	TTAACCTGTG	ATTTAGCAGG	ACAGGGTTAC	AATTTTTGGA	GCGCATTAA
AAAATGGGCT	TTTTAGCCCG	GCCTGAATAA	GCCTGCTAAT	TTGTGGGGCT	TTTGCAATAT	GGGTTTGGCC
GGCCTATAGG	CCGAATTAAA	AAATAATAAA	AATAAAAATA	AAATAGAGTA	TTAAAGATAA	TAAGAGTCCA
AACTCAAAGT	TTATTTAAAA	TTTTTAATAT	TAAAATTTAG	ATACAAATTA	TATTTTTATA	ATATGTACTT
CCTATCTTTA	CTTGTCCTTT	ATTGGTTTAG	CACAGGGATT	AAGAAACAGT	AAATAATATG	AGCAATTTTA
CTAAATCACC	TTTTGAATAT	AACAATTACA	ATGTCTTGGA	AAATATAACG	AGAAAATAAC	CACTGGAATT
AATGATAGGG	GTAACA AAAA	ATTAAGTTTG	AAATTATTGT	TTGATTTTCAT	GAAGTGGACA	AGTATTGTTC
GATATCTTAA	AATAGTATAG	TGAACAAGTA	AAGATGGACG	GAGGGAGTAA	TAGTAACACT	AATACTATGT
AATATTGTCT	TGTTGCTATT	TATTTTAATA	TGTTTAAATT	ATAATTTAAT	TTAAAAATTT	ATTTAAAAAA
TATAAGAATA	AAAATGTGGG	GCCCGGCAAG	GCCCACGGCT	CACATACAAA	TGGGTTGGGC	TAACTATTTT
CTAGCCCAT	AGAAAAAGGG	GCCAGCCTGC	CAAATCCAA	AGCTTGTAAG	GGCTAGCCCC	TGGGGTATTG
ACACCTACTA	AAAGCTGAAG	TAGTTTTCTG	CAAACCTCAG	TGTTCCCTTG	TATTTTTTCAT	GACTTGTTAT
CAATTTTTTT	TATGTATTTT	TTGATGCAAT	TTCTGTTACC	TGAAACATAC	AGGGTAGCTC	AGAGAATGGT
AAAGCCCCTT	GGGAAGGGGT	AAGCAAATCG	GCCGCTCAGC	TCAAATCTAG	TTGACAAAT	ATCATTCCCC
TTTGTTTTGC	ATTTGAGTTA	TCCCATCTTA	GTTACTTGTT	TCCTTTTTGT	AGGTACGAGT	GAGGTGCAGA
AGTGAGTGGA	CAATGTTTCA	GGATCGATTA	GCCAATGCAG	ATAAGGCATA	TTACGCACAG	AATGCGAAAA
CCAGATTATA	ACATCGCCTG	CCTAGAGCTT	GTTTTGTAAA	TTGCTTCTTT	TTCCTTTTTT	CCCCTCCTGT
TTTAGGTATG	CCTAATTCTT	TTTCGCAGTA	TTTCTTTATA	AATATTTGCG	AGCGGTAGAC	CGTGGACTGT
AAAACAGCAA	GATATTAGAA	GGCCTCTTTG	TGCATAGATG	ATGATATCTT	CTTCTGTAG	