

Primers			
Gene	Direction	Sequence 5' to 3'	description
Ubiquitin	forward	AAAGCCAAGATTCAAGATAAG	qPCR <i>M. sexta</i> housekeeping gene
Ubiquitin	reverse	TTGTAGTCGGATAGCGTGCG	qPCR <i>M. sexta</i> housekeeping gene
Hi-like	forward	TTCCGTTTCCCTCCTGCTAC	qPCR Hi-like
Hi-like	reverse	GCCACTGTCGTTTTCGGGTC	qPCR Hi-like
Hi-like	forward	CATGGGCTTATCCCTGCATTAG	genotyping
Hi-like	reverse	TATTGTCGAATAAGTTGTATATTAATTTATTCATCCTTAAATCTA	genotyping
Hi-1	forward	CTGGACAGCGACATGACAGT	qPCR Hi-1
Hi-1	reverse	CGCCATGGCATAGATGTTTCG	qPCR Hi-1
Hi-1	forward	AACGACAACATATGCCAACCA	CRISPR genotyping
Hi-1	reverse	TTAATTTTTTAAATATTTTTATTCATAAATAACCACAAAACAACAGG	CRISPR genotyping
Hi-1	forward	cagccATGTCTACATCCATCA	PCR full length cDNA
Hi-1	reverse	acaggaTCAGCTTAAACACCAT	PCR full length cDNA
Hi-1	forward	GGGGACAAGTTTGTACAAAAAAGCAGGCTTAATGTCTACATCCATCACGGAGTCCAC	PCR full length cDNA plus attB site overhead
Hi-1	reverse	GGGGACCACTTTGTACAAGAAAGCTGGGTATCAGCTTAAACACCATTTTGCCTTAA	PCR full length cDNA plus attB site overhead
SAND	forward	AACTCTATGCAGCATTTGATCCACT	qPCR Arabidopsis housekeeping gene
SAND	reverse	TGATTGCATATCTTTATCGCCATC	qPCR Arabidopsis housekeeping gene

Chemicals			
Compounds	CAT#	Provider	Description
trans-2-hexen-1-al	132659	Sigma	E2AL
cis-3-hexen-1-ol	W256323	Sigma	Z3OL
trans-2-hexenyl acetate	W256404	Sigma	E2oAC
cis-3-hexenyl acetate	W317101	Sigma	Z3oAC
cis-3-hexen-1-al	W256102	Sigma	Z3AL
trans-2-hexen-1-ol	W256218	Sigma	E2OL
Glutathione Sepharose® 4B	GE17-0756	Cytiva/Sigma	
cOmplete™, EDTA-free Protease Inhibitor Cocktail	COEDTAF-RO	Roche	

Phusion™ High-Fidelity DNA Polymerase	F-530	ThermoFisher	
HOT FIREPol® EvaGreen® qPCR Mix Plus	08-04-00020	Solis Biodyne	
RevertAid Reverse Transcriptase	EP0441	ThermoFisher	
Alt-R® S.p. HiFi Cas9 Nuclease V3, 100 µg	1081060	IDT	
CloneJET PCR Cloning Kit	K1231	ThermoFisher	
Gateway™ BP Clonase™ II Enzyme mix	11789100	ThermoFisher	
Gateway™ LR Clonase™ II Enzyme mix	11791100	ThermoFisher	
MEGashortscript T7 transcription kit	AM1354	Invitrogen	
MEGAclean transcription clean-up kit	AM1908	Invitrogen	
Bio-Rad Protein Assay Dye Reagent Concentrate	5000006	Bio-Rad	
MyTaq Extract-PCR Kit	BIO-21127	BIOLINE	
DreamTaq DNA Polymerase	EP0705	ThermoFisher	
Wheatgerm	1661	Frontier Scientific Services Agriculture	Artificial diet <i>M. sexta</i>
Soy isolate	1510	Frontier Scientific Services Agriculture	Artificial diet <i>M. sexta</i>
Casein	1100	Frontier Scientific Services Agriculture	Artificial diet <i>M. sexta</i>
Ascorbic acid	6015	Frontier Scientific Services Agriculture	Artificial diet <i>M. sexta</i>
Vitamin mix, Fortification Lepidoptera	F8095	Frontier Scientific Services Agriculture	Artificial diet <i>M. sexta</i>
Sorbic acid	6967	Frontier Scientific Services Agriculture	Artificial diet <i>M. sexta</i>
Methylparaben	7685	Frontier Scientific Services Agriculture	Artificial diet <i>M. sexta</i>
MP Biomedicals Wesson Salt Mixture	11425672	Fisher Scientific	Artificial diet <i>M. sexta</i>
Cholesterol 95%	11480353	Fisher Scientific	Artificial diet <i>M. sexta</i>
Agar-Agar, Kobe I	5210,5	Carl Roth	Artificial diet <i>M. sexta</i>
One Shot™ BL21 Star™ (DE3)	C601003	Invitrogen	

RNase-Free DNase I	79254	Qiagen	
TURBO DNA-free™ Kit	AM1907	ThermoFisher	
RNeasy Kits	74104	Qiagen	
Bovine Serum Albumin	A7906	Sigma	
Tryptone	T1332	Duchefa Biochemie	
Yeast extract	Y1333	Duchefa Biochemie	
NaCl	7647-14-5	VWR	
lysosome	62971	Fluka	
Triton X-100	9002-93-1	Sigma	
Ampicillin	A0104	Duchefa Biochemie	
Bacto Agar	9105960	Becton Dickinson	
Anti-GST Antibody (B-14) HRP	sc-138 HRP	Santa Cruz Biotechnology	
Tris	T1501	Duchefa Biochemie	
HCl	1.00317.2500	Merck	
P-coumaric acid	501-98-4	sigma	
luminol	521-31-3	sigma	
Hydrogen peroxide (H ₂ O ₂) 30%	822287	Merck	
TEMED	161-0800	Bio-Rad	
Acrylamide:N,N'-Methylenebisacrylamide 37.5:1	017-090	Fluka	
Ammonium persulfate (APS)	7727540	Sigma	
Sodium dodecyl sulfate (SDS)	71725	Sigma	
Ethanol	1.00983.1000	Supelco	
Isopropanol	1.09634.2511	Merck	
Tween 20	p2287	Sigma	
glycerol	G1345	Duchefa Biochemie	
MOP	M1254	Sigma	
TRIzol™ Reagent	15596018	ThermoFisher	
Methanol	20846,326	VWR	
Chloroform	102445	Merck	
EDTA	E5134	Sigma	
Agarose (for DNA Electrophoresis)	D000247	Sphaero Q	

Precision Prestained Protein Standards	1610373	Bio-Rad	
GeneRuler 1 kb Plus DNA Ladder	SM1331	ThermoFisher	
Acetic acid	1.00063.2511	Merck	
L-glutathion, reduced (GSH)	G4251	Sigma	
IPTG	I1401	Duchefa Biochemie	
1,4-Dithiothreitol (DTT)	3483-12-3	Sigma	