

77. Hartl M, Giri AP, Kaur H, Baldwin IT. Serine protease inhibitors specifically defend *Solanum nigrum* against generalist herbivores but do not influence plant growth and development. *Plant Cell* 2010; 22:4158-75; PMID:21177479; <http://dx.doi.org/10.1105/tpc.109.073395>.
78. Zhu-Salzman K, Luthe DS, Felton GW. Arthropod-inducible proteins: broad spectrum defenses against multiple herbivores. *Plant Physiol* 2008; 146:852-8; PMID:18316640; <http://dx.doi.org/10.1104/pp.107.112177>.
79. Gill RS, Gupta K, Taggar GK, Taggar MS. Role of oxidative enzymes in plant defenses against herbivory. *Acta Phytopathol Entomol Hung* 2010; 45:277-90; <http://dx.doi.org/10.1556/APhyt.45.2010.2.4>.
80. Zhao LY, Chen JL, Cheng DF, Sun JR, Liu Y, Tian Z. Biochemical and molecular characterizations of *Stobion avenae*-induced wheat defense responses. *Crop Prot* 2009; 28:435-42; <http://dx.doi.org/10.1016/j.cropro.2009.01.005>.
81. Heng-Moss TM, Sarah G, Baxendale F, Novak D, Bose S, Ni X, et al. Characterization of oxidative enzyme changes in buffalograsses challenged by *Blissus occiduus*. *J Econ Entomol* 2004; 97:1086-95; PMID:15279295; [http://dx.doi.org/10.1603/0022-0493\(2004\)097\[1086:COOEC\]2.0.CO;2](http://dx.doi.org/10.1603/0022-0493(2004)097[1086:COOEC]2.0.CO;2).
82. Sethi A, McAuslane HJ, Rathinasabapathi B, Nuesly GS, Nagata RT. Enzyme induction as a possible mechanism for latex-mediated insect resistance in romaine lettuce. *J Chem Ecol* 2009; 35:190-200; PMID:19184224; <http://dx.doi.org/10.1007/s10886-009-9596-6>.
83. Zhang SZ, Hau BZ, Zhang F. Induction of the activities of antioxidative enzymes and the levels of malondialdehyde in cucumber seedlings as a consequence of *Bemisia tabaci* (Hemiptera: Aleyrodidae) infestation. *Arthropod-Plant Interact* 2008; 2:209-13; <http://dx.doi.org/10.1007/s11829-008-9044-5>.
84. Stout MJ, Riggio MR, Yang Y, MJ. Direct induced resistance in *Oryza sativa* to *Spodoptera frugiperda*. *Environ Entomol* 2009; 38:1174-81; PMID:19689897; <http://dx.doi.org/10.1603/022.038.0426>.
85. Tschardt T, Thiessen S, Dolch R, Boland W. Herbivory, induced resistance, and interplant signal transfer in *Alnus glutinosa*. *Biochem Syst Ecol* 2001; 29:1025-47; [http://dx.doi.org/10.1016/S0305-1978\(01\)00048-5](http://dx.doi.org/10.1016/S0305-1978(01)00048-5).
86. Barbehenn RV, Jaros A, Lee G, Mozola C, Weir Q, Salminen JP. Hydrolyzable tannins as "quantitative defenses": limited impact against *Lymantria dispar* caterpillars on hybrid poplar. *J Insect Physiol* 2009; 55:297-304; PMID:19111746; <http://dx.doi.org/10.1016/j.jinsphys.2008.12.001>.
87. Bruinsma M, Posthumus MA, Mumm R, Mueller MJ, van Loon JJA, Dicke M. Jasmonic acid-induced volatiles of *Brassica oleracea* attract parasitoids: effects of time and dose, and comparison with induction by herbivores. *J Exp Bot* 2009; 60:2575-87; PMID:19451186; <http://dx.doi.org/10.1093/jxb/erp101>.
88. Mao YB, Cai WJ, Wang JW, Hong GJ, Tao XY, Wang LJ, et al. Silencing a cotton bollworm P450 monooxygenase gene by plant-mediated RNAi impairs larval tolerance of gossypol. *Nat Biotechnol* 2007; 25:1307-13; PMID:17982444; <http://dx.doi.org/10.1038/nbt1352>.
89. Wang R, Shen WB, Liu LL, Jiang L, Liu YQ, Su N, et al. A novel lipoxygenase gene from developing rice seeds confers dual position specificity and responds to wounding and insect attack. *Plant Mol Biol* 2008; 66:401-14; PMID:18185911; <http://dx.doi.org/10.1007/s11103-007-9278-0>.
90. Hildebrand DF, Rodriguez JG, Brown GC, Luu KT, Volden CS. Peroxidative responses of leaves in two soybean genotypes injured by twospotted spider mites (Acari: Tetranychidae). *J Econ Entomol* 1986; 79:1459-65.
91. Fidantsef AL, Stout MJ, Thaler JS, Duffey SS, Bostock RM. Signal interactions in pathogen and insect attack: expression of lipoxygenase, proteinase inhibitor II, and pathogenesis-related protein P4 in the tomato, *Lycopersicon esculentum*. *Physiol Mol Plant Pathol* 1999; 54:97-114; <http://dx.doi.org/10.1006/pmpp.1998.0192>.
92. Voelckel C, Weisser WW, Baldwin IT. An analysis of plant-aphid interactions by different microarray hybridization strategies. *Mol Ecol* 2004; 13:3187-95; PMID:15367131; <http://dx.doi.org/10.1111/j.1365-294X.2004.02297.x>.
93. Rayapuram C, Baldwin IT. Increased SA in NPR1-silenced plants antagonizes JA and JA-dependent direct and indirect defenses in herbivore-attacked *Nicotiana attenuata* in nature. *Plant J* 2007; 52:700-15; PMID:17850230; <http://dx.doi.org/10.1111/j.1365-313X.2007.03267.x>.
94. Maffei ME. Site of synthesis, biochemistry and functional role of plant volatiles. *S Afr J Bot* 2010; 76:612-31; <http://dx.doi.org/10.1016/j.sajb.2010.03.003>.
95. Engelberth J, Alborn HT, Schmelz EA, Tumlinson JH. Airborne signals prime plants against insect herbivore attack. *Proc Natl Acad Sci U S A* 2004; 101:1781-5; PMID:14749516; <http://dx.doi.org/10.1073/pnas.0308037100>.
96. Matsui K. Green leaf volatiles: hydroperoxide lyase pathway of oxylipin metabolism. *Curr Opin Plant Biol* 2006; 9:274-80; PMID:16595187; <http://dx.doi.org/10.1016/j.pbi.2006.03.002>.
97. de Boer JG, Posthumus MA, Dicke M. Identification of volatiles that are used in discrimination between plants infested with prey or nonprey herbivores by a predatory mite. *J Chem Ecol* 2004; 30:2215-30; PMID:15672666; <http://dx.doi.org/10.1023/B:JOEC.0000048784.79031.5e>.
98. Chen F, Tholl D, D'Auria JC, Farooq A, Pichersky E, Gershenzon J. Biosynthesis and emission of terpenoid volatiles from *Arabidopsis* flowers. *Plant Cell* 2003; 15:481-94; PMID:12566586; <http://dx.doi.org/10.1105/tpc.007989>.
99. James DG. Field evaluation of herbivore-induced plant volatiles as attractants for beneficial insects: methyl salicylate and the green lacewing, *Chrysopa nigricornis*. *J Chem Ecol* 2003; 29:1601-9; PMID:12921438; <http://dx.doi.org/10.1023/A:1024270713493>.
100. Ulland S, Ian E, Mozuraitis R, Borg-Karlson AK, Meadow R, Mustaparta H. Methyl salicylate, identified as primary odorant of a specific receptor neuron type, inhibits oviposition by the moth *Mamestra brassicae* L. (Lepidoptera, noctuidae). *Chem Senses* 2008; 33:35-46; PMID:17846100; <http://dx.doi.org/10.1093/chemse/bjm061>.
101. Yuan JS, Köllner TG, Wiggins G, Grant J, Degenhardt J, Chen F. Molecular and genomic basis of volatile-mediated indirect defense against insects in rice. *Plant J* 2008; 55:491-503; PMID:18433439; <http://dx.doi.org/10.1111/j.1365-313X.2008.03524.x>.
102. Dickens JC. Plant volatiles moderate response to aggregation to pheromone in Colorado potato beetle. *J Appl Entomol* 2006; 130:26-31; <http://dx.doi.org/10.1111/j.1439-0418.2005.01014.x>.
103. Arimura G, Köpke S, Kunert M, Volpe V, David A, Brand P, et al. Effects of feeding *Spodoptera litoralis* on lima bean leaves: IV. Diurnal and nocturnal damage differentially initiate plant volatile emission. *Plant Physiol* 2008; 146:965-73; PMID:18165324; <http://dx.doi.org/10.1104/pp.107.111088>.
104. Arimura G, Ozawa R, Kugimiya S, Takabayashi J, Bohlmann J. Herbivore-induced defense response in a model legume. Two-spotted spider mites induce emission of (E)-beta-ocimene and transcript accumulation of (E)-beta-ocimene synthase in *Lotus japonicus*. *Plant Physiol* 2004; 135:1976-83; PMID:15310830; <http://dx.doi.org/10.1104/pp.104.042929>.
105. Ruther J, Kleier S. Plant-plant signaling: ethylene synergizes volatile emission in *Zea mays* induced by exposure to (Z)-3-hexen-1-ol. *J Chem Ecol* 2005; 31:2217-22; PMID:16132223; <http://dx.doi.org/10.1007/s10886-005-6413-8>.
106. Kessler A, Halitschke R, Diezel C, Baldwin IT. Priming of plant defense responses in nature by airborne signaling between *Artemisia tridentata* and *Nicotiana attenuata*. *Oecologia* 2006; 148:280-92; PMID:16463175; <http://dx.doi.org/10.1007/s00442-006-0365-8>.
107. Horiuchi JI, Arimura GI, Ozawa R, Shimoda T, Dicke M, Takabayashi J, et al. Lima bean leaves exposed to herbivore-induced conspecific plant volatiles attract herbivores in addition to carnivores. *Appl Entomol Zool (Jpn)* 2003; 38:365-8; <http://dx.doi.org/10.1303/aez.2003.365>.
108. Kappers IF, Aharoni A, van Herpen TWJM, Luckerhoff LL, Dicke M, Bouwmeester HJ. Genetic engineering of terpenoid metabolism attracts bodyguards to *Arabidopsis*. *Science* 2005; 309:2070-2; PMID:16179482; <http://dx.doi.org/10.1126/science.1116232>.
109. Schnee C, Köllner TG, Held M, Turlings TCJ, Gershenzon J, Degenhardt J. The products of a single maize sesquiterpene synthase form a volatile defense signal that attracts natural enemies of maize herbivores. *Proc Natl Acad Sci U S A* 2006; 103:1129-34; PMID:16418295; <http://dx.doi.org/10.1073/pnas.0508027103>.
110. Ro DK, Ehrling J, Keeling CI, Lin R, Mattheus N, Bohlmann J. Microarray expression profiling and functional characterization of AtTPS genes: duplicated *Arabidopsis thaliana* sesquiterpene synthase genes At4g13280 and At4g13300 encode root-specific and wound-inducible (Z)-gamma-bisabolene synthases. *Arch Biochem Biophys* 2006; 448:104-16; PMID:16297850; <http://dx.doi.org/10.1016/j.abb.2005.09.019>.
111. Rasmann S, Köllner TG, Degenhardt J, Hiltbold I, Toepfer S, Kuhlmann U, et al. Recruitment of entomopathogenic nematodes by insect-damaged maize roots. *Nature* 2005; 434:732-7; PMID:15815622; <http://dx.doi.org/10.1038/nature03451>.
112. Yoshimura H, Sawai Y, Tamotsu S, Sakai A. 1,8-cineole inhibits both proliferation and elongation of BY-2 cultured tobacco cells. *J Chem Ecol* 2011; 37:320-8; PMID:21344180; <http://dx.doi.org/10.1007/s10886-011-9919-2>.
113. Nishida N, Tamotsu S, Nagata N, Saito C, Sakai A. Allelopathic effects of volatile monoterpenoids produced by *Salvia leucophylla*: Inhibition of cell proliferation and DNA synthesis in the root apical meristem of *Brassica campestris* seedlings. *J Chem Ecol* 2005; 31:187-203; PMID:16124241; <http://dx.doi.org/10.1007/s10886-005-4256-y>.
114. Pauwels L, Inzé D, Goossens A. Jasmonate-inducible gene: What does it mean? *Trends Plant Sci* 2009; 14:87-91; PMID:19162528; <http://dx.doi.org/10.1016/j.tplants.2008.11.005>.
115. Mattiacci L, Dicke M, Posthumus MA. beta-Glucosidase: an elicitor of herbivore-induced plant odor that attracts host-searching parasitic wasps. *Proc Natl Acad Sci U S A* 1995; 92:2036-40; PMID:11607516; <http://dx.doi.org/10.1073/pnas.92.6.2036>.
116. Alborn T, Turlings TCJ, Jones TH, Stenhagen G, Loughrin JH, Tumlinson JH. An elicitor of plant volatiles from beet armyworm oral secretion. *Science* 1997; 276:945-9; <http://dx.doi.org/10.1126/science.276.5314.945>.
117. Halitschke R, Schittko U, Pohnert G, Boland W, Baldwin IT. Molecular interactions between the specialist herbivore *Manduca sexta* (Lepidoptera, Sphingidae) and its natural host *Nicotiana attenuata*. III. Fatty acid-amino acid conjugates in herbivore oral secretions are necessary and sufficient for herbivore-specific plant responses. *Plant Physiol* 2001; 125:711-7; PMID:11161028; <http://dx.doi.org/10.1104/pp.125.2.711>.

118. Wu JQ, Hettenhausen C, Meldau S, Baldwin IT. Herbivory rapidly activates MAPK signaling in attacked and unattacked leaf regions but not between leaves of *Nicotiana attenuata*. *Plant Cell* 2007; 19:1096-122; PMID:17400894; <http://dx.doi.org/10.1105/tpc.106.049353>.
119. von Dahl CC, Winz RA, Halitschke R, Kühnemann F, Gase K, Baldwin IT. Tuning the herbivore-induced ethylene burst: the role of transcript accumulation and ethylene perception in *Nicotiana attenuata*. *Plant J* 2007; 51:293-307; PMID:17559506; <http://dx.doi.org/10.1111/j.1365-313X.2007.03142.x>.
120. Yan Y, Stolz S, Chételat A, Reymond P, Pagni M, Dubugnon L, et al. A downstream mediator in the growth repression limb of the jasmonate pathway. *Plant Cell* 2007; 19:2470-83; PMID:17675405; <http://dx.doi.org/10.1105/tpc.107.050708>.
121. Giri AP, Wünsche H, Mitra S, Zavala JA, Muck A, Svatos A, et al. Molecular interactions between the specialist herbivore *Manduca sexta* (Lepidoptera, Sphingidae) and its natural host *Nicotiana attenuata*. VII. Changes in the plant's proteome. *Plant Physiol* 2006; 142:1621-41; PMID:17028148; <http://dx.doi.org/10.1104/pp.106.088781>.
122. Schmelz EA, Carroll MJ, LeClere S, Phipps SM, Meredith J, Chourey PS, et al. Fragments of ATP synthase mediate plant perception of insect attack. *Proc Natl Acad Sci U S A* 2006; 103:8894-9; PMID:16720701; <http://dx.doi.org/10.1073/pnas.0602328103>.
123. Alborn HT, Hansen TV, Jones TH, Bennett DC, Tumlinson JH, Schmelz EA, et al. Disulfoxy fatty acids from the American bird grasshopper *Schistocerca americana*, elicitors of plant volatiles. *Proc Natl Acad Sci U S A* 2007; 104:12976-81; PMID:17664416; <http://dx.doi.org/10.1073/pnas.0705947104>.
124. Schäfer M, Fischer C, Meldau S, Seebald E, Oelmüller R, Baldwin IT. Lipase activity in insect oral secretions mediates defense responses in *Arabidopsis*. *Plant Physiol* 2011; 156:1520-34; PMID:21546453; <http://dx.doi.org/10.1104/pp.111.173567>.
125. Shivaji R, Camas A, Ankala A, Engelberth J, Tumlinson JH, Williams WP, et al. Plants on constant alert: elevated levels of jasmonic acid and jasmonate-induced transcripts in caterpillar-resistant maize. *J Chem Ecol* 2010; 36:179-91; PMID:20148356; <http://dx.doi.org/10.1007/s10886-010-9752-z>.
126. Ribot C, Zimmerli C, Farmer EE, Reymond P, Poirier Y. Induction of the *Arabidopsis* *PHO1/H10* gene by 12-oxo-phytodienoic acid but not jasmonic acid via a CORONATINE INSENSITIVE1-dependent pathway. *Plant Physiol* 2008; 147:696-706; PMID:18434606; <http://dx.doi.org/10.1104/pp.108.119321>.
127. Walter A, Mazars C, Maitrejean M, Hopke J, Ranjeva R, Boland W, et al. Structural requirements of jasmonates and synthetic analogues as inducers of Ca²⁺ signals in the nucleus and the cytosol of plant cells. *Angew Chem Int Ed Engl* 2007; 46:4783-5; PMID:17487903; <http://dx.doi.org/10.1002/anie.200604989>.
128. Sheard LB, Tan X, Mao H, Withers J, Ben-Nissan G, Hinds TR, et al. Jasmonate perception by inositol-phosphate-potentiated COI1-JAZ co-receptor. *Nature* 2010; 468:400-5; PMID:20927106; <http://dx.doi.org/10.1038/nature09430>.
129. Ulloa RM, Raíces M, MacIntosh GC, Maldonado S, Téllez-Iñón MT. Jasmonic acid affects plant morphology and calcium-dependent protein kinase expression and activity in *Solanum tuberosum*. *Physiol Plant* 2002; 115:417-27; PMID:12081535; <http://dx.doi.org/10.1034/j.1399-3054.2002.1150312.x>.
130. Ludwig AA, Romeis T, Jones JD. CDPK-mediated signalling pathways: specificity and cross-talk. *J Exp Bot* 2004; 55:181-8; PMID:14623901; <http://dx.doi.org/10.1093/jxb/erh008>.
131. Kost C, Heil M. Increased availability of extra floral nectar reduces herbivory in Lima bean plants (*Phaseolus lunatus*, Fabaceae). *Basic Appl Ecol* 2005; 6:237-48; <http://dx.doi.org/10.1016/j.baec.2004.11.002>.
132. War AR, Paulraj MG, War MY, Ignacimuthu S. Role of salicylic acid in induction of plant defense system in chickpea (*Cicer arietinum* L.). *Plant Signal Behav* 2011; 6:1787-92; PMID:22057329; <http://dx.doi.org/10.4161/psb.6.11.17685>.
133. Rivas-San Vicente M, Plasencia J. Salicylic acid beyond defence: its role in plant growth and development. *J Exp Bot* 2011; 62:3321-38; PMID:21357767; <http://dx.doi.org/10.1093/jxb/err031>.
134. Pieterse CMJ, Van Loon LC. NPR1: the spider in the web of induced resistance signaling pathways. *Curr Opin Plant Biol* 2004; 7:456-64; PMID:15231270; <http://dx.doi.org/10.1016/j.pbi.2004.05.006>.
135. Peng J, Deng X, Huang J, Jia S, Miao X, Huang Y. Role of salicylic acid in tomato defense against cotton bollworm, *Helicoverpa armigera* Hubner. *Z Naturforsch C* 2004; 59:856-62; PMID:15666546.
136. van Loon LC, Geraats BPJ, Linthorst HJM. Ethylene as a modulator of disease resistance in plants. *Trends Plant Sci* 2006; 11:184-91; PMID:16531096; <http://dx.doi.org/10.1016/j.tplants.2006.02.005>.
137. Yujie LU, Xia W, Yonggen L, Jiaan C. Role of ethylene signaling in the production of rice volatiles induced by the rice brown planthopper *Nilaparvata lugens*. *Chin Sci Bull* 2006; 51:2457-65; <http://dx.doi.org/10.1007/s11434-006-2148-3>.
138. Kunkel BN, Brooks DM. Cross talk between signaling pathways in pathogen defense. *Curr Opin Plant Biol* 2002; 5:325-31; PMID:12179966; [http://dx.doi.org/10.1016/S1369-5266\(02\)00275-3](http://dx.doi.org/10.1016/S1369-5266(02)00275-3).
139. Kanchiswamy CN, Takahashi H, Quadro S, Maffei ME, Bossi S, Bertea C, et al. Regulation of *Arabidopsis* defense responses against *Spodoptera littoralis* by CPK-mediated calcium signaling. *BMC Plant Biol* 2010; 10:97; PMID:20504319; <http://dx.doi.org/10.1186/1471-2229-10-97>.
140. Smith CM, Boyko EV. The molecular bases of plant resistance and defense responses to aphid feeding: current status. *Entomol Exp Appl* 2007; 122:1-16; <http://dx.doi.org/10.1111/j.1570-7458.2006.00503.x>.
141. Torres MA. ROS in biotic interactions. *Physiol Plant* 2010; 138:414-29; PMID:20002601; <http://dx.doi.org/10.1111/j.1399-3054.2009.01326.x>.
142. Ludwig AA, Saitoh H, Felix G, Freymark G, Miersch O, Wasternack C, et al. Ethylene-mediated cross-talk between calcium-dependent protein kinase and MAPK signaling controls stress responses in plants. *Proc Natl Acad Sci U S A* 2005; 102:10736-41; PMID:16027369; <http://dx.doi.org/10.1073/pnas.0502954102>.
143. Van Breusegem F, Dat JF. Reactive oxygen species in plant cell death. *Plant Physiol* 2006; 141:384-90; PMID:16760492; <http://dx.doi.org/10.1104/pp.106.078295>.
144. Argandoña VH, Chaman M, Cardemil L, Muñoz O, Zúñiga GE, Corcuera LJ. Ethylene production and peroxidase activity in aphid-infested barley. *J Chem Ecol* 2001; 27:53-68; PMID:11382067; <http://dx.doi.org/10.1023/A:1005615932694>.
145. Zheng SJ, Dicke M. Ecological genomics of plant-insect interactions: from gene to community. *Plant Physiol* 2008; 146:812-7; PMID:18316634; <http://dx.doi.org/10.1104/pp.107.111542>.
146. Thompson GA, Goggin FL. Transcriptomics and functional genomics of plant defence induction by phloem-feeding insects. *J Exp Bot* 2006; 57:755-66; PMID:16495409; <http://dx.doi.org/10.1093/jxb/erj135>.
147. Broekgaarden C, Poelman EH, Steenhuis G, Voorrips RE, Dicke M, Vosman B. Genotypic variation in genome-wide transcription profiles induced by insect feeding: Brassica oleracea–Pieris rapae interactions. *BMC Genomics* 2007; 8:239; PMID:17640338; <http://dx.doi.org/10.1186/1471-2164-8-239>.
148. Wu J, Baldwin IT. New insights into plant responses to the attack from insect herbivores. *Annu Rev Genet* 2010; 44:1-24; PMID:20649414; <http://dx.doi.org/10.1146/annurev-genet-102209-163500>.
149. Reymond P, Bodenhausen N, Van Poecke RMP, Krishnamurthy V, Dicke M, Farmer EE. A conserved transcript pattern in response to a specialist and a generalist herbivore. *Plant Cell* 2004; 16:3132-47; PMID:15494554; <http://dx.doi.org/10.1105/tpc.104.026120>.
150. Zhu-Salzman K, Salzman RA, Ahn JE, Koiwa H. Transcriptional regulation of sorghum defense determinants against a phloem-feeding aphid. *Plant Physiol* 2004; 134:420-31; PMID:14701914; <http://dx.doi.org/10.1104/pp.103.028324>.
151. Voelckel C, Baldwin IT. Herbivore-induced plant vaccination. Part II. Array-studies reveal the transience of herbivore-specific transcriptional imprints and a distinct imprint from stress combinations. *Plant J* 2004; 38:650-63; PMID:15125771; <http://dx.doi.org/10.1111/j.1365-313X.2004.02077.x>.
152. Kempema LA, Cui XP, Holzer FM, Walling LL. Arabidopsis transcriptome changes in response to phloem-feeding silverleaf whitefly nymphs. Similarities and distinctions in responses to aphids. *Plant Physiol* 2007; 143:849-65; PMID:17189325; <http://dx.doi.org/10.1104/pp.106.090662>.
153. Agrawal AA. Transgenerational consequences of plant responses to herbivory: an adaptive maternal effect? *Am Nat* 2001; 157:555-69; PMID:18707262; <http://dx.doi.org/10.1086/319932>.
154. Agrawal AA. Herbivory and maternal effects: Mechanisms and consequences of transgenerational induced plant resistance. *Ecology* 2002; 83:3408-15; [http://dx.doi.org/10.1890/0012-9658\(2002\)083\[3408:HAMEMA\]2.0.CO;2](http://dx.doi.org/10.1890/0012-9658(2002)083[3408:HAMEMA]2.0.CO;2).
155. Boyko A, Blevins T, Yao Y, Golubov A, Bilichak A, Illytskyy Y, et al. Transgenerational adaptation of Arabidopsis to stress requires DNA methylation and the function of Dicer-like proteins. *PLoS One* 2010; 5:e9514; <http://dx.doi.org/10.1371/journal.pone.0009514>; PMID:20209086.
156. De Leo F, Bonadé-Bottino M, Ceci LR, Gallerani R, Jouanin L. Effects of a mustard trypsin inhibitor expressed in different plants on three lepidopteran pests. *Insect Biochem Mol Biol* 2001; 31:593-602; PMID:11267898; [http://dx.doi.org/10.1016/S0965-1748\(00\)00164-8](http://dx.doi.org/10.1016/S0965-1748(00)00164-8).
157. Huang W, Zhikuan J, Qingfang H. Effects of herbivore stress by *Aphis medicaginis* Koch on the malondialdehyde contents and activities of protective enzymes in different alfalfa varieties. *Acta Ecol Sin* 2007; 27:2177-83; [http://dx.doi.org/10.1016/S1872-2032\(07\)60048-1](http://dx.doi.org/10.1016/S1872-2032(07)60048-1).
158. Stout MJ, Riggio MR, Yang Y. Direct induced resistance in *Oryza sativa* to *Spodoptera frugiperda*. *Environ Entomol* 2009; 38:1174-81; PMID:19689897; <http://dx.doi.org/10.1603/022.038.0426>.