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1. 2018.07-2020.12

2. 2016.07-2020.12

3. 2016.01-2019.12

1. Yayun Zuo, Huanhuan Ma, Wenjie Lu, Xingliang Wang, Shuwen Wu, Ralf Nauen, Yidong Wu and . Identification of the ryanodine receptor mutation I4743M and its contribution to diamide insecticide resistance in *Spodoptera exigua* (Lepidoptera: Noctuidae). *Insect Science*. doi.org/10.1111/ 1744-7917.12695.
2. Yayun Zuo, Jianlei Huang, Jing Wang, Yue Feng, Tiantian Han, Yidong Wu and *. 2018. Knockout of a P-glycoprotein gene increases susceptibility to abamectin and emamectin benzoate in *Spodoptera exigua*. *Insect Molecular Biology* 27(1):36-45.
3. Laipan Liu, Meijing Gao, Song Yang, Shaoyan Liu, Yidong Wu, Yves Carrière and *. 2017. Resistance to *Bacillus thuringiensis* toxin Cry2Ab and survival on single-toxin and pyramided cotton in cotton bollworm from China. *Evolutionary Applications* 10: 170-179.
4. Yayun Zuo, Hui Wang, Yanjun Xu, Jianlei Huang, Suwen Wu, Yidong Wu and *. 2017. CRISPR/Cas9 mediated G4946E substitution in the ryanodine receptor of *Spodoptera exigua* confers high levels of resistance to diamide insecticides. *Insect Biochemistry and Molecular Biology* 89:79-85.
5. Wunan Che, Jianlei Huang, Guan Fang, Yidong Wu, . 2015. Cross-resistance and Inheritance of Resistance to Emamectin Benzoate in *Spodoptera exigua* (Lepidoptera: Noctuidae).

Journal of Economic Entomology 108(4): 2015-2020.

6. Haonan Zhang Bing Du Dawn M Higginson Yves Carriere Yidong Wu. 2014. Cadherin mutation linked to resistance to Cry1Ac affects male paternity and sperm competition in *Helicoverpa armigera*. Journal of Insect Physiology 70:67-72
7. Wunan Che Tian Shi Yidong Wu 2013. Insecticide Resistance Status of Field Populations of *Spodoptera exigua* (Lepidoptera: Noctuidae) From China. Journal of Economic