First report of cucumber mosaic virus infecting *Arachis hypogaea* in Jiangxi Province in China

Feng Zhu¹ · Yan Ping Che¹ · Yang Kai Zhou¹ · Shi Chang Cheng¹ · Zheng Liu¹ · Zhao Lin Ji¹

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Foliar virus-like symptoms, including mosaic and yellowing mosaic were observed on peanut, *Arachis hypogaea*, in Pengze county, Jiangxi Province, in eastern China in July 2017. Leaf samples were collected from five symptomatic peanut plants. All samples were assayed by western blotting using antisera to cucumber mosaic virus (CMV) (Zhu et al. 2013). Results revealed that three of the five samples were positive for CMV. To confirm the presence of CMV, RT-PCR was performed using primers CMV-CP-F (5'-TGTA GGGAGTGAACGCTGGAA-3') and CMV-CP-R (5'-GATG GCGGCAACGGATAA-3'), which were designed to amplify a partial fragment of the coat protein gene. The expected 244 bp amplicon was amplified from the three symptomatic leaf samples that were positive for CMV in western blotting assay. DNA products were purified, cloned into the pMD19-T vector (TaKaRa) and sequenced (Zhu et al. 2017). Results showed that the three CMV sequences were identical. Therefore, only one of these sequences was submitted to GenBank (accession No. MG564343). Nucleotide BLAST analysis revealed that the sequence showed 99% nucleotide identity with CMV isolate PR36 (M98500). The virus was

mechanically transmitted by inoculating sap from symptomatic peanut leaves to *Nicotiana tabacum*, which showed mosaic symptoms on uninoculated leaves that tested positive for CMV by RT-PCR with the aforementioned primers. To our knowledge, this is the first report of CMV in peanut in Jiangxi Province in China.

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✉ Feng Zhu
zhufeng@yzu.edu.cn

¹ College of Horticulture and Plant Protection, Yangzhou University, Yangzhou 225009, Jiangsu, China