

DIFFERENTIAL SET

Tomato mottle mosaic virus (ToMMV) – **Tomato**

Differentials	ISF Code and races	ToMMV
	Gene (s)	
Monalbo*, Marmande* Early Pak 7*	-	S
Mobaci*	<i>Tm</i>	S
Moperou 161*	<i>Tm2</i>	HR
Momor*, Geneva 80, Gourmet	<i>Tm2²</i>	HR

Explanatory

Note:

When evaluating plant varieties for resistance to specific pathogens or pests, the following classifications are used to describe their response:

- **S** – Susceptible
- **HR** – Highly Resistant

All groups/races and differentials are actively used across the seed sector

For further information on these definitions in the following ISF document:
<https://worldseed.org/document/definitions-of-the-terminology-plants-pests-v-o-seed-industry-2022/>

References:

Ambros S. et al. (2017). Molecular and biological characterization of an isolate of Tomato mottle mosaic virus (ToMMV) infecting tomato and other experimental hosts in eastern Spain. *Eur J Plant Pathol.*, DOI 10.1007/s10658-017-1180-2

Li, R., Gao, S., Fei, Z. and Ling, K.S. (2013). Complete genome sequence of a new tobamovirus naturally infecting tomatoes in Mexico. *Genome announcements*, 1(5): e00794-13

Tetty C. K. et al, (2022). Tomato mottle mosaic virus: Characterization, resistance gene effectiveness, and quintuplex RT-PCR detection system. Journal of Integrative Agriculture, Volume 21, Issue 9, Pages 2641-2651. <https://doi.org/10.1016/j.jia.2022.07.020>.

Tetty C. K. et al, (2023). The role of different innate and environmental factors in Tm-22-mediated resistance to tomato mottle mosaic virus. Phytopathology Research, Volume 5, Issue 8.

Protocol:

CPVO. See <http://www.cpvo.europa.eu/> for a protocol on disease resistance testing

For more information contact the ISF Secretariat at isf@worldseed.org

Disclaimer:

The information contained on this paper is for general information purposes only. You should not rely upon as a basis for making any business, legal or any other decisions. Whilst we endeavour to keep the information up to date and correct, ISF makes no representations or warranties of any kind, express or implied about the completeness, accuracy, reliability, suitability or availability with respect to the information contained on the paper for any purpose. Any reliance you place on this information is therefore strictly at your own risk.