

Title (en)
PERONOSPORA RESISTANCE IN SPINACIA OLERACEA

Title (de)
PERONSPORARESISTENZ IN SPINACIA OLERACEA

Title (fr)
RÉSISTANCE AU PERONOSPORA DANS SPINACIA OLERACEA

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Application
EP 21799297 A 20211101

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Abstract (en)
[origin: WO2022090543A1] The present invention relates to an allele designated alpha-WOLF 27 which confers resistance to at least one Peronospora effusa race, wherein the protein encoded by said allele is a CC-NBS-LRR protein that comprises in its amino acid sequence: a) the motif "MAEIGY SVC" at its N-terminus; and b) the motif "KWMCLR"; and wherein the LRR domain of the protein has in order of increased preference at least 95%, 95.5%, 96%, 96.5%, 97%, 97.5%, 98%, 98.5%, 99%, 99.5%, 100% sequence similarity to SEQ ID NO: 10. The allele when present in a spinach plant homozygously confers complete resistance to at least Peronospora effusa race Pe: 7, Pe: 8, Pe: 9, Pe: 11, Pe: 12, Pe: 13, Pe: 14, Pe: 15, Pe: 17.

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