

## Pedigree confirmed by markers

Prime name: **MUSCAT ROUGE DE MADERE RG**

Variety number VIVC: **8249**

Note: Several parentage hypotheses exist. They are given below. Analysis of additional nSSR or SNP markers or other proofs are needed to determine the correct parentage.

Prime name of pedigree parent 1: <b>MUSCAT A PETITS GRAINS BLANCS B</b> Prime name of pedigree parent 2: <b>SCIACCARELLO N</b>		
<b>Source of SSR-marker data</b>		
Source code	Bibliography	Number of loci analysed
40907	CRESPIAN, M.; MIGLIARO, D.; LARGER, S.; PINDO, M.; PALMISANO, M.; MANNI, A.; MANNI, E.; POLIDORI, E.; SBAFFI, F.; SILVESTRI, Q.; SILVESTRONI, O.; VELASCO, R.; VIRGILI, S.; CARMILLI, G. Grapevine ( <i>Vitis vinifera</i> L.) varietal assortment and evolution in the Marche region (central Italy) OENO One (3) 17-37 2021 <a href="https://doi.org/10.20870/oeno-one.2021.55.3.4628">https://doi.org/10.20870/oeno-one.2021.55.3.4628</a>	12
40156	DI VECCHI STARAZ, M.; BANDIENLLI, R.; BOSELLI, M.; THIS, P.; BOURSQUOT, J.-M.; LAUCOU, V.; LACOMBE, T.; VARES, D. Genetic structuring and parentage analysis for evolutionary studies in grapevine: Kinggroup and origin of the cultivar Sangiovese revealed Journal American Society Horticultural Sciences 132 (4) 514-524 2007	38
40895	D'ONOFRIO, C.; TUMINO, G.; GARDIMAN, M.; CRESPIAN, M.; BIGNAMI, C.; DE PALMA, L.; BARBAGALLO, M. G.; MUGANU, M.; MORCIA, C.; NOVELLO, V.; SCHNEIDER, A.; TERZI, V. Parentage Atlas of Italian Grapevine Varieties as Inferred From SNP Genotyping Frontiers in Plant Science (11) 16 pp. 2021 <a href="https://doi.org/10.3389/fpls.2020.605934">https://doi.org/10.3389/fpls.2020.605934</a>	
40306	LACOMBE, T.; BOURSQUOT, J.M.; LAUCOU, V.; DI VECCHI-STARAZ, M.; PEROS, J.P.; THIS, P. Large-scale parentage analysis in an extended set of grapevine cultivars ( <i>Vitis vinifera</i> L.) Theoretical Applied Genetics 126 (2) 401-414 2013 <a href="https://doi.org/10.1007/s00122-012-1988-2">https://doi.org/10.1007/s00122-012-1988-2</a>	20

Source of SSR-marker data		
Source code	Bibliography	Number of loci analysed
40882	<p>RAIMONDI, S.; TUMINO, G.; RUFFA, P.; BOCCACCI, P.; GAMBINO, G.; SCHNEIDER, A. DNA-based genealogy reconstruction of Nebbiolo, Barbera and other ancient grapevine cultivars from northwestern Italy Scientific Reports 10, 15782 2020 <a href="https://doi.org/10.1038/s41598-020-72799-6">https://doi.org/10.1038/s41598-020-72799-6</a></p>	32
40875	<p>ZULJ MIHALJEVIC, M.; MALETIC, E.; PREINER, D.; ZDUNIC, G.; BUBOLA, M.; ZYPRIAN, E.; PEJIC, I. Genetic diversity, population structure, and parentage analysis of Croatian grapevine germplasm Genes 11, 737, 30 pp. 2020 <a href="https://doi.org/10.3390/genes11070737">https://doi.org/10.3390/genes11070737</a></p>	20

Prime name of pedigree parent 1: **MUSCAT A PETITS GRAINS BLANCS B**

Prime name of pedigree parent 2: ?

Source of SSR-marker data		
Source code	Bibliography	Number of loci analysed
40025	<p>CRESPAN, M.; MILANI, N. The Muscats: A molecular analysis of synonyms, homonyms and genetic relationships within a large family of grapevine cultivars Vitis 40 (1) 23-30 2001 <a href="https://doi.org/10.5073/vitis.2001.40.23-30">https://doi.org/10.5073/vitis.2001.40.23-30</a></p>	25
40879	<p>MARAS, V.; TELLO, J.; GAZIVODA, A.; MUGOSA, M.; PERISIC, M.; RAICEVIC, J.; STAJNER, N.; OCETE, R.; BOZOVIC, V.; POPOVIC, T.; GARCÍA-ESCUADERO, E.; GRBIC, M.; MARTÍNEZ-ZAPATER, J. M.; IBÁÑEZ, J. Population genetic analysis in old Montenegrin vineyards reveals ancient ways currently active to generate diversity in <i>Vitis vinifera</i> Scientific Reports 10, 15000 2020 <a href="https://doi.org/10.1038/s41598-020-71918-7">https://doi.org/10.1038/s41598-020-71918-7</a></p>	