

## Pedigree confirmed by markers

Prime name: **MUSCAT HAMBURG N**

Variety number VIVC: **8226**

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>SCHIAVA GROSSA N</b> Prime name of pedigree parent 2: <b>MUSCAT OF ALEXANDRIA B</b>		
<b>Source of SSR-marker data</b>		
Source code	Bibliography	Number of loci analysed
577	ANONYMOUS Catalogue des variétés et clones de vigne cultivés en France 2ème édition Institut Français de la Vigne et du Vin (ENTAV-ITV) 2007	
40095	CRESPIAN, M. The parentage of Muscat of Hamburg Vitis 42 (4) 193-197 2003 <a href="https://doi.org/10.5073/vitis.2003.42.193-197">https://doi.org/10.5073/vitis.2003.42.193-197</a>	35
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>	
1337	FEDOSOV, D. Y.; KORZHENKOV, A. A.; PETROVA, K. O.; SAPSAY, A. O.; SHARKO, F. S.; TOSHCHAKOV, S. V.; KOLOSOVA, A. A.; BAKHMUTOVA, E. D.; PATRUSHEV, M. V. SNP-based analysis reveals authenticity and genetic similarity of Russian indigenous V. vinifera grape cultivars Plants 10 (12, Art. 2696) 12 pp. 2021 <a href="https://doi.org/10.3390/plants10122696">https://doi.org/10.3390/plants10122696</a>	

Source of SSR-marker data		
Source code	Bibliography	Number of loci analysed
40347	<p>GHAFFARI, S.; HASNAOUI, N.; ZINELABIDINE, L. H.; FERCHICHI, A.; MARTINEZ-ZAPATER, J. M.; IBANEZ, J.</p> <p>Genetic diversity and parentage of Tunisian wild and cultivated grapevines (<i>Vitis vinifera</i> L.) as revealed by single nucleotide polymorphism (SNP) markers</p> <p>Tree Genetics and Genomes 10 (4) 1103-1112</p> <p>2014</p> <p><a href="https://dx.doi.org/10.1007/s11295-014-0746-9">https://dx.doi.org/10.1007/s11295-014-0746-9</a></p>	
40151	<p>IBANEZ, J.; VARGAS, A. M.; PALANCAR, M.; BORREGO, J.; ANDRES, M. T. DE</p> <p>Genetic relationships among table-grape varieties</p> <p>American Journal of Enology and Viticulture 60 (1) 35-42</p> <p>2009</p>	25
40858	<p>KARASTAN, O. M.; MULIUKINA, N. A.; PAPINA, O. S.</p> <p>Verification of grape pedigree by microsatellite analysis</p> <p>Cytology and Genetics 52 (5) 331-342</p> <p>2018</p> <p><a href="https://dx.doi.org/10.3103/S0095452718050031">https://dx.doi.org/10.3103/S0095452718050031</a></p>	9
40306	<p>LACOMBE, T.; BOURSQUOT, J.M.; LAUCOU, V.; DI VECCHI-STARAZ, M.; PEROS, J.P.; THIS, P.</p> <p>Large-scale parentage analysis in an extended set of grapevine cultivars (<i>Vitis vinifera</i> L.)</p> <p>Theoretical Applied Genetics 126 (2) 401-414</p> <p>2013</p> <p><a href="https://doi.org/10.1007/s00122-012-1988-2">https://doi.org/10.1007/s00122-012-1988-2</a></p>	20
40902	<p>RIAZ, S.; PAP, D.; URETSKY, J.; LAUCOU, V.; BOURSQUOT, J. M.; KOCSIS, L.; WALKER, M. A.</p> <p>Genetic diversity and parentage analysis of grape rootstocks</p> <p>Theoretical and Applied Genetics 132 (6) 1847-1860</p> <p>2019</p> <p><a href="https://dx.doi.org/10.1007/s00122-019-03320-5">https://dx.doi.org/10.1007/s00122-019-03320-5</a></p>	21

Prime name of pedigree parent 1: ?

Prime name of pedigree parent 2: **MUSCAT OF ALEXANDRIA B**

Source of SSR-marker data		
Source code	Bibliography	Number of loci analysed
40025	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>	25