

Pedigree confirmed by markers

Prime name: **KOENIGIN DER WEINGAERTEN B**

Variety number VIVC: **6350**

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: AFUS ALI B Prime name of pedigree parent 2: CSABA GYOENGYE B		
Source of SSR-marker data		
Source code	Bibliography	Number of loci analysed
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 <i>Frontiers in Plant Science</i> (11) 16 pp. 2021 https://doi.org/10.3389/fpls.2020.605934	
40347	GHAFFARI, S.; HASNAOUI, N.; ZINELABIDINE, L. H.; FERCHICHI, A.; MARTINEZ-ZAPATER, J. M.; IBANEZ, J. Genetic diversity and parentage of Tunisian wild and cultivated grapevines (<i>Vitis vinifera</i> L.) as revealed by single nucleotide polymorphism (SNP) markers <i>Tree Genetics and Genomes</i> 10 (4) 1103-1112 2014 https://dx.doi.org/10.1007/s11295-014-0746-9	
40151	IBANEZ, J.; VARGAS, A. M.; PALANCAR, M.; BORREGO, J.; ANDRES, M. T. DE Genetic relationships among table-grape varieties <i>American Journal of Enology and Viticulture</i> 60 (1) 35-42 2009	25
40858	KARASTAN, O. M.; MULIUKINA, N. A.; PAPINA, O. S. Verification of grape pedigree by microsatellite analysis <i>Cytology and Genetics</i> 52 (5) 331-342 2018 https://dx.doi.org/10.3103/S0095452718050031	9
40306	LACOMBE, T.; BOURSICQUOT, 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.) <i>Theoretical Applied Genetics</i> 126 (2) 401-414 2013 https://doi.org/10.1007/s00122-012-1988-2	20

Source of SSR-marker data		
Source code	Bibliography	Number of loci analysed
1083	<p>LAUCOU, V.; LAUNAY, A.; BACILIERI, R.; LACOMBE, T.; ADAM-BLONDON, A. F.; BERARD, A.; CHAUVEAU, A.; ANDRES, M. T. DE; HAUSMANN, L.; IBANEZ, J.; PASLIER, M. C. LE; MAGHRADZE, D.; MARTINEZ-ZAPATER, J. M.; MAUL, E.; PONNAIAH, M.; TÖPFER, R.; PEROS, J. P.; BOURSQUOT</p> <p>Extended diversity analysis of cultivated grapevine <i>Vitis vinifera</i> with 10K genome-wide SNPs</p> <p>PLoS one, 13 (2) e0192540 1-27</p> <p>2018</p> <p>https://dx.doi.org/10.1371/journal.pone.0192540</p>	
40875	<p>ZULJ MIHALJEVIC, M.; MALETIC, E.; PREINER, D.; ZDUNIC, G.; BUBOLA, M.; ZYPRIAN, E.; PEJIC, I.</p> <p>Genetic diversity, population structure, and parentage analysis of Croatian grapevine germplasm</p> <p>Genes 11, 737, 30 pp.</p> <p>2020</p> <p>https://doi.org/10.3390/genes11070737</p>	20

Prime name of pedigree parent 1: **AFUS ALI B**
 Prime name of pedigree parent 2: ?

Source of SSR-marker data		
Source code	Bibliography	Number of loci analysed
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.</p> <p>Population genetic analysis in old Montenegrin vineyards reveals ancient ways currently active to generate diversity in <i>Vitis vinifera</i></p> <p>Scientific Reports 10, 15000</p> <p>2020</p> <p>https://doi.org/10.1038/s41598-020-71918-7</p>	