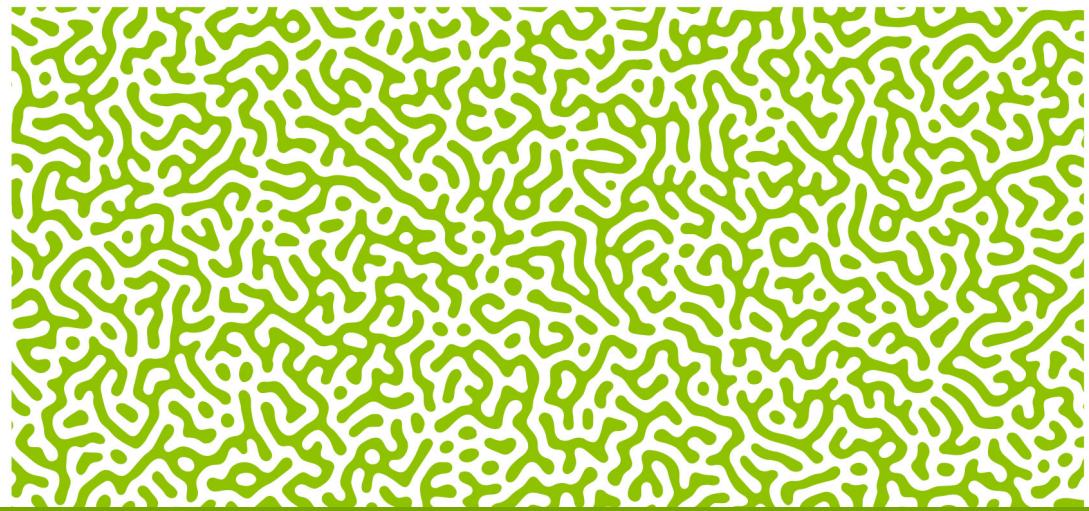




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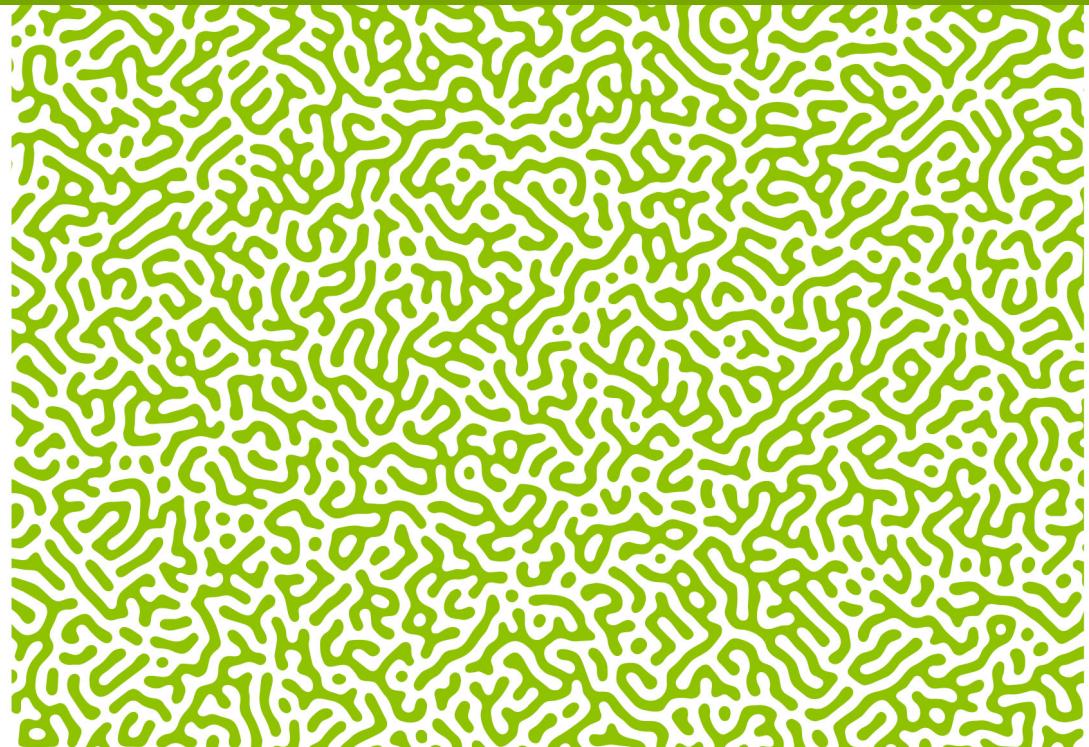
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AKKAK, A., DE CHIARA, M.L., SAVASTANO, M., LUCHETTI, L., VENERITO, P. Genetic and chemical characterization of pomegranate (*Punica granatum L.*) cultivars grown in southern Italy. (2019) *Acta Horticulturae*, 1254, pp. 73-76. DOI: 10.17660/ActaHortic.2019.1254.11

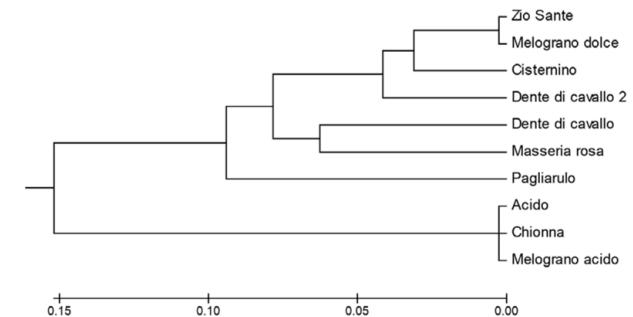


Figure 1. Dendrogram obtained by cluster analysis of 10 accessions, studied at 8 SSR loci.

M. CHIUMENTI, B. NAVARRO , P. VENERITO , F. CIVITA , F. DI SERIO AND A. MINAFRA, 2019.
Molecular variability of apple hammerhead viroid from Italian apple varieties supports the relevance in vivo of its branched conformation stabilized by a kissing loop interaction. *Virus Research*

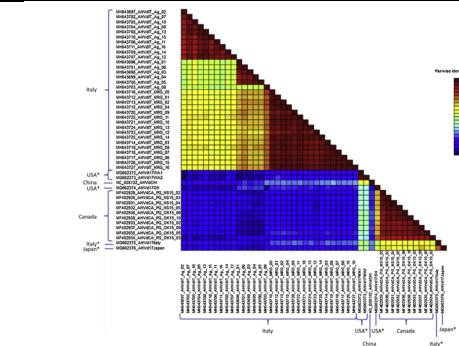
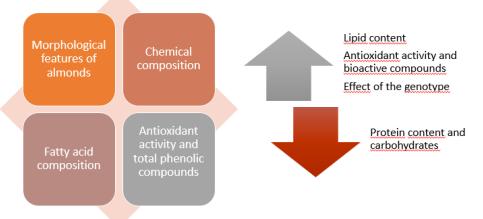


Fig. 1. Identity matrix generated by aligning AHVd sequence variants from AG and MRG isolates with those reported in literature. The geographic origin of the isolates is reported on the left and below the names of the variants. Asterisks denote isolates from germplasm collection.

SUMMO, C., PALASCIANO, M., DE ANGELIS, D., PARADISO, V.M., CAPONIO, F., PASQUALONE, A.
Evaluation of the chemical and nutritional characteristics of almonds (*Prunus dulcis* (Mill). D.A. Webb) as influenced by harvest time and cultivar. (2018) *Journal of the Science of Food and Agriculture*, 98 (15), pp. 5647-5655. DOI: 10.1002/jsfa.9110

Evaluation of the chemical and nutritional characteristics of almonds (*Prunus dulcis* (Mill). D.A. Webb) as influenced by harvest time and cultivar

10 almond cultivars selected among the most widespread in the top producing countries (Australia, California, Italy, and Spain)



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MARCOTULI, I., MAZZEO, A., NIGRO, D., GIOVE, S.L., GIANCASPRO, A., COLASUONNO, P., PRGOMET, Ž., PRGOMET, I., TARANTINO, A., FERRARA, G., GADALETA, A. Analysis genetic diversity of *Ficus carica* L. (*Moraceae*) collection using simple sequence repeat (SSR) markers (2019) *Acta Scientiarum Polonorum, Hortorum Cultus*, 18 (4), pp. 93-109. DOI: 10.24326/asphc.2019.4.9

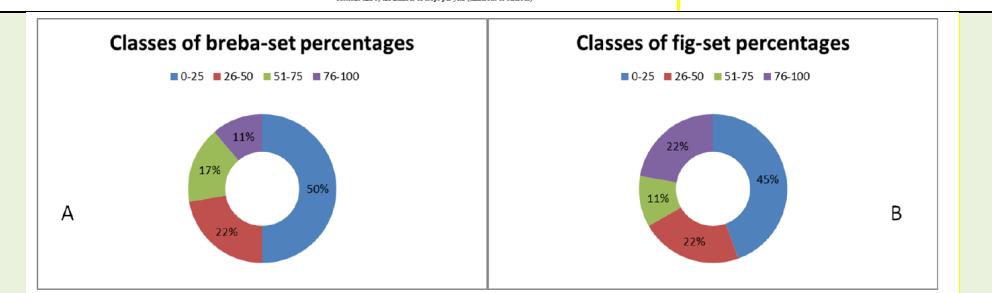
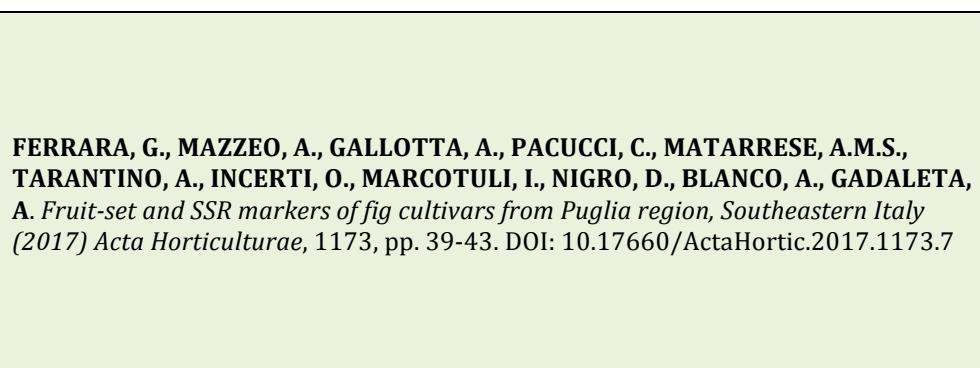


Figure 1. Breba-set (A) and fig-set (B) percentages of the examined cultivars in four classes of fruit-set, low (0-25), medium (26-50), high (51-75) and very high (76-100).

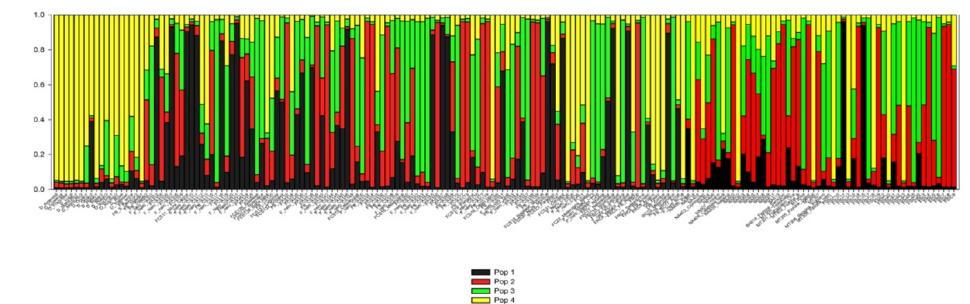


Figure 1. Inferred population structure for K=4 of 181 fig accessions from Southern Italy.



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GIANCASPRO, A., MAZZEO, A., GIOVE, L.S., ZITO, D., MARCOTULI, I., GALLOTTA, A., COLASUONNO, P., NIGRO, D., BLANCO, A., ARADHYA, M., GADALETA, A., FERRARA, G. Exploiting DNA-based molecular tools to assess genetic diversity in pomegranate (*Punica granatum L.*) selections and cultivars (2017) *Fruits*, 72 (5), pp. 292-305. DOI: 10.17660/th2017/72.5.5



FIGURE S1. Tomb of the pomegranate at Egnazia (left) of the III century B.C. and a particular of the fruit close to the ceiling (right). Photos authorized by the National Archeological Museum of Egnazia - Polo Museale della Puglia, Italy.

FERRARA, G., MAZZEO, A., PACUCCI, C., MATARRESE, A.M.S., TARANTINO, A., CRISOSTO, C., INCERTI, O., MARCOTULI, I., NIGRO, D., BLANCO, A., GADALETA, A. Characterization of edible fig germplasm from Puglia, southeastern Italy: Is the distinction of three fig types (*Smyrna*, *San Pedro* and *Common*) still valid? (2016) *Scientia Horticulturae*, 205, pp. 52-58. DOI: 10.1016/j.scienta.2016.04.016

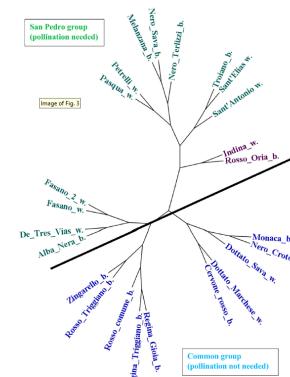


Fig. 3. Evolutionary relationships of taxa. The evolutionary history was inferred using the Neighbor-Joining method (Saitou and Nei, 1987). The tree is drawn to scale, with branch lengths in the same units as those of the evolutionary distances used to infer the phylogenetic tree. The upper and the lower part are the two groups determined by caprifig trials (San Pedro and Common, respectively).

FERRARA, G., GIANCASPRO, A., MAZZEO, A., GIOVE, S.L., MATARRESE, A.M.S., PACUCCI, C., PUNZI, R., TRANI, A., GAMBACORTA, G., BLANCO, A., GADALETA, A. Characterization of pomegranate (*Punica granatum L.*) genotypes collected in Puglia region, Southeastern Italy (2014) *Scientia Horticulturae*, 178, pp. 70-78. DOI: 10.1016/j.scienta.2014.08.007

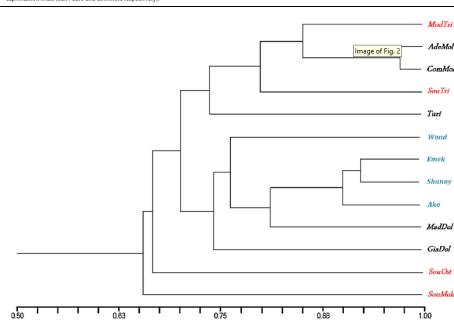


Fig. 2. Dendrogram resulting from microsatellite (SSR) markers analysis showing genetic distance within a collection of 13 pomegranate ecotypes. In red are the sour genotypes; in dark-blue are the 4 Israeli varieties. Cluster analysis was performed using the UPGMA (unweighted pair group method with arithmetical averages) algorithm, and the Jaccard coefficient in pairwise comparisons. (For interpretation of the references to color in this figure caption, the reader is referred to the web version of this article.)



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MARCHESE, A., GIOVANNINI, D., LEONE, A., MAFRICA, R., PALASCIANO, M., CANTINI, C., DI VAIO, C., DE SALVADOR, F.R., GIACALONE, G., CARUSO, T., MARRA, F.P. *S-genotype identification, genetic diversity and structure analysis of Italian sweet cherry germplasm.* (2017) *Tree Genetics and Genomes*, 13 (5), art. no. 93. DOI: 10.1007/s11295-017-1176-2

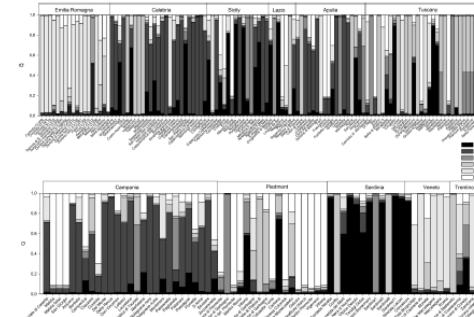


Fig. 1. Genetic structure of 186 Italian sweet cherry landraces, considering $K = 6$. Colours (black, dark green, green, light green, grey, white and blue) indicate each of the six groups, defined by the K value. Sweet cherry accessions showing more than one colour may have an intermediate genetic makeup, originated from crossing. The vertical axis designates the membership value 1.

MARRA, F.P., BASSI, G., GAETA, L., GIOVANNINI, D., PALASCIANO, M., SIRRI, S., CARUSO, T. *Use of phenoclimatic models to estimate the chill and heat requirements of four sweet cherry cultivars in Italy* (2017) *Acta Horticulturae*, 1162, pp. 57-64. DOI: 10.17660/ActaHortic.2017.1162.10

Table 2. Average estimated dates of beginning of CU and CH accumulation (\pm standard error/SE in days) and total chilling accumulation (average \pm SE) according to Weinberger (CU) and Richardson (CH) within the end of February in the three Italian sites in the 1994-2013 period.

Location	Date (CU Model)	S.E. (\pm days)	Date (CH Model)	S.E. (\pm days)	CU (\pm SE)	CH (\pm SE)
Verona	Oct. 18	2.7	Oct. 9	2.5	1693 \pm 51	1831 \pm 34
Forlì	Oct. 23	2.1	Nov. 1	2.4	1939 \pm 38	1865 \pm 63
Bari	Nov. 1	6.3	Oct. 31	6.5	1575 \pm 48	1067 \pm 59

The actual blooming date of each of the cultivars studied varied depending on the year and site. In terms of blooming time (Figure 1), Bari resulted in the earliest but also the more variable environment, while Verona was the least variable site.

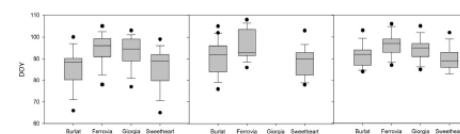


Figure 1. Box plot of BF dates of four sweet cherry cultivars in three contrasting sites environments.

PALASCIANO, M., GAETA, L. *Comparison of different models for chilling requirements evaluation of sweet cherry cultivars in a Mediterranean area.* (2017) *Acta Horticulturae*, 1161, pp. 405-410. DOI: 10.17660/ActaHortic.2017.1161.65

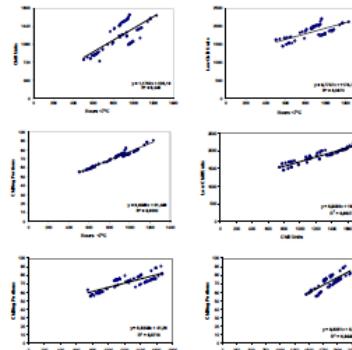


Figure 1. Correlation between the chilling requirements of ten sweet cherry cultivars, calculated as hours below 7°C, chill units; low chill units and chilling portions.



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MARCHESE, A., MARRA, F.P., PRIOLO, D., CARUSO, T., GIOVANNINI, D., LEONE, A., MAFRICA, R., PANGALLO, S., PALASCIANO, M., DE SALVADOR, F.R. Identification of (in)compatible S-genotypes and molecular characterisation of Italian sweet cherry cultivars (2017) *Acta Horticulturae*, 1161, pp. 41-46. DOI: 10.17660/ActaHortic.2017.1161.6

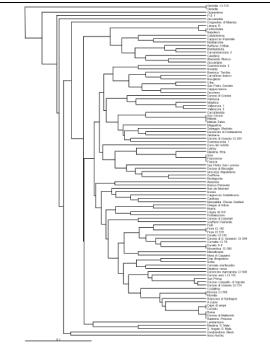


Figure 1. UPGMA dendrogram of 94 Italian sweet cherry accessions and six reference cultivars, based on 10 SSR loci and the S-locus.

SÁNCHEZ-PÉREZ, R., PAVAN, S., MAZZEO, R., MOLDOVAN, C., AIESE CIGLIANO, R., DEL CUETO, J., RICCIARDI, F., LOTTI, C., RICCIARDI, L., DICENTA, F., LÓPEZ-MARQUÉS, R.L., LINDBERG MØLLER, B. Mutation of a bHLH transcription factor allowed almond domestication. (2019) *Science*, 364 (6445), pp. 1095-1098. DOI: 10.1126/science.aav8197

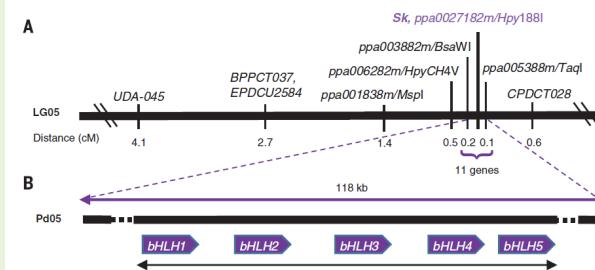


Fig. 1. Map-based cloning of the *Sk* gene. (A and B) Comparison of linkage group 5 (LG05) (A) and pseudomolecule 5 (Pd05) (B) in the region where the *Sk* locus is mapped. Approximate positions of the five *bHLH* genes present within that region are shown.

PAVAN, S., DELVENTO, C., MAZZEO, R., RICCIARDI, F., LOSCIALE, P., GAETA, L., D'AGOSTINO, N., TARANTO, F., SÁNCHEZ-PÉREZ, R., RICCIARDI, L., LOTTI, C. Almond diversity and homozygosity define structure, kinship, inbreeding, and linkage disequilibrium in cultivated germplasm, and reveal genomic associations with nut and seed weight (2021) *Horticulture Research*, 8 (1), art. no. 15. DOI: 10.1038/s41438-020-00447-1

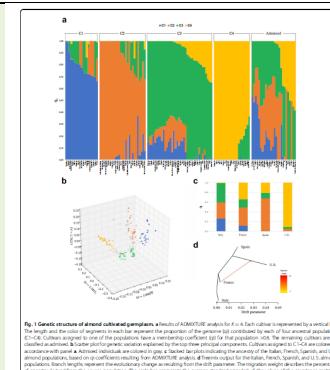


Fig. 1. Genetic structure of almond cultivated germplasm. a) Results of ADMIXTURE analysis for $k = 4$. Each cultivar is represented by a vertical bar. Colours correspond to one of the four populations. b) Membership coefficient for each population. c) The inbreeding coefficient (F_{is}) for each individual. d) Individual inbreeding coefficient (F_{is}) vs. seed weight. e) Scatter plot including the ancestry of the Indian, French, Spanish, and U.S. populations. Branch length represent the evolutionary change according to the 4th parameter. The relative weight describes the percentage of ancestry derived from the 4th parameter. The size of the square represents the average standard error of the value of the covariance matrix.



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