Europass Curriculum Vitae

Riccardo Velasco, PhD

h-index = ISIWeb 52, Scopus 56, Gscholar 64
n. of ISI-Web publications = 151
total impact points = over 700

Consiglio per la Ricerca in Agricoltura e
l'Analisi in Economia Agraria CREA-VE
Via XXVIII aprile, 26
31015 Conegliano (TV) Italia

Direttore del Centro di Viticoltura ed Enologia
Consiglio per la Ricerca in Agricoltura e
l'Analisi dell'Economia Agraria (CREA-VE)

Membro corrispondente dell'Accademia dei Georgofili
Membro ordinario dell'Accademia della Vite e del Vino
Membro ordinario dell'Accademia Nazionale dell'Agricoltura

Honorable Research Lecturer of the Year 2007
The American Society of Enology and Viticulture
<< The Grape Genome >>

<u>Abiitazione Scientifica Nazionale di prima fascia in:</u>
Genetica Agraria (AGR07) (febb 2023)
Biologia Applicata (BIO13) (febb 2023)
Coltivazioni Arboree (AGR03) (sett 2026)

OIV 2018-oggi	**Membro della sottocommissione GENET, commissione VITICOLTURA presso L'Organizzazione Internazionale Vitivinicola (Pairgi, F)**
HCERES 2019	**Valutatore Centri di ricerca INRA (F)** **Presidente della commissione, sede di Montpellier**
ANVUR 2011-14	**Membro del panel CINECA ANVUR (Expert Evaluation Group)** **GEV07 Agraria e Veterinaria**

RECAPITI

Recapiti telefonici	
ufficio	
E-mail	riccardo.velasco@crea.gov.it - PEC : riccardo.velasco@pecprivati.it

Studi universitari

Date	1991-1995
Titolo ottenuto	PhD
Tematica	Plant molecular biology
Nome dell'ente	Max Planck Institut - Universitaet zu Koeln (Germany)

Classificazione internazionale	Top class European research Institutes
Date	1982-1989
Titolo ottenuto	Laurea in Scienze Agrarie
Tematica	Orientamento produzioni vegetali
Nome dell'ente	Università degli Studi di Firenze (Italia) Facoltà di Agraria

Carriera scientifica e professionale

Precedente all'assunzione in FEM-IASMA

(1989-1990) ***Laurea in Scienze Agrarie***
Desiccation tolerance in maize embryo. Role of abscisic acid.
Università di Firenze – Supervisore: Prof. C. Vazzana.

(07/'89-09/'89) ***Borsa di studio***
Isolation of cold stress resistant barley genes.
Erasmus-EU fellowship at the Max-Planck-Institut für Züchtungsforschung, Köln.
Supervisore Prof. F. Salamini.

(07/'91-12/'92) ***Borsa di studio***
Tobacco transformation by means of water stress resistant genes.
Fellowship of region of Umbria (Italy) and the EU at the Max-Planck-Institut für Züchtungsforschung, Köln. Supervisore: Prof. D. Bartels.

(01/'93-03/'95) ***Borsa di studio***
Characterization of the expression of the desiccation-related gene CDet11-24 isolated from the resurrection plant *Craterostigma plantagineum* Hochst. and analysis of its promoter in transgenic plants.
Max-Planck-Gesellschaft fellowship at the Max-Planck-Institut für Züchtungsforschung, Köln. Supervisore: Prof. D. Bartels.

(09/'94) ***Borsa di studio***
Gatsby Charitable Foundation - John Innes Centre

(05/'95-06/'97) ***Post dottorato***
DFG-project: Characterization of DNA/protein interaction in the Polymerase I System.
University of Tuebingen, chair of Genetics - Supervisore: Prof. V. Hemleben.

(06/'97-07/'99) ***Post dottorato***
Dissection of wax synthetic pathways by transposon tagging.
Universitaet zu Koeln, chair of Botany - Supervisore: Prof. F. Salamini.

FEM-IASMA (1999-2017)
CREA (2017-oggi)

Date	**luglio 1999 – ottobre 2000 - Istituto Agrario di San Michele all'Adige**
Occupazione	Ricercatore di 3° livello (R3)
Principali attività e responsabilità	Junior research staff
Settore di impiego	Genetica e genomica di vite e melo

Date	**ottobre 2000 – settembre 2005** fino ad agosto 2003, Ricercatore di 3° livello (R3), **1 settembre 2003, Ricercatore 2° livello, (R2, Primo ricercatore**)
Occupazione	Responsabile di Area Biologia Avanzata, senior management (capo ufficio)
Principali attività e responsabilità	6 staff – più dottorandi e post doc (fino a 20)
Settore di impiego	Coordinatore del progetto Biologia avanzata (3.7 Million of €) Set up di 1,200 m^2 di laboratori Breeding molecolare in vite e melo Sviluppo delle piattaforme di sequenziamento e bioinformatica
Date	**settembre 2005 – dicembre 2007**
Occupazione	Responsabile del dipartimento di biologia e genetica molecolare Ricercatore di 2° livello (R2, **Primo ricercatore**)
Principali attività e responsabilità	45 staff – inclusi post-doc e PhD students
Settore di impiego	Breeding molecolare in vite e melo Bioinformatica Genomica Strutturale e Funzionale Sequenziamento dei genomi della vite e del melo
Date	**gennaio 2008 – agosto 2017 – Fondazione E. Mach di San Michele all'Adige**
Occupazione	Coordinatore del dipartimento di Genomica e Biologia delle Piante da Frutto 1 gennaio-30 marzo 2008 Ricercatore 2° liv. (R2, **Primo ricercatore**), **1 aprile 2008 Dirigente di ricerca** (R1)
Principali attività e responsabilità	80-120 staff – inclusi post-doc e PhD students
Settore di impiego	Genomica Strutturale e Comparata Genomica Funzionale Genetica Molecolare e Breeding assistito Biotecnologie vegetali
Date	**settembre 2017 - oggi - CREA Viticoltura ed Enologia**
Occupazione	**Direttore** Centro di Ricerca in Viticoltura ed Enologia Consiglio per la Ricerca in Agricoltura e l'Analisi dell'Economia Agraria (Ente controllato dal MiPAAF)
Principali attività e responsabilità	150 staff – amministrazione, ricerca e sperimentazione
Settore di impiego	Viticoltura Enologia Miglioramento genetico Biotecnologie applicate
Abilitazione Scientifica Nazionale	**BIO13 – Biologia Applicata** **(full Professor)** **AGR07 – Genetica Agraria** **(full Professor)** **AGR03 – Coltivazioni Arboree** **(full Professor)**

Responsabilità e premi

ASSOCIATE EDITOR	Agronomy Plants International Journal of Wine Research Molecular Genetics and Genomics Plant Molecular Biology Reporter Frontiers in Crop Science and Horticulture American Journal of Oenology and Viticulture (fino a 2014) Tree Genetics and Genomes (fino a 2013)
REVIEWER of JOURNALS (LAST 5 YEARS)	Theoretical and Applied Genetics, Molecular Breeding, Journal of Food Chemistry, Genome, Plant Breeding, Plant Physiology and Biochemistry, BMC Bioinformatics, American Journal of Viticulture and Enology, BMC Biology, Functional and Integrative Genomics, Trends in Genetics, Nature Genetics, Plant Journal
REVIEWER of RESEARCH GRANTS	University of Padova, referee for genetics, genomics and molecular biology of fruit trees; University of Milano, referee for genomics projects in plants; Ministry of Research and University, FIRB and PRIN Actions; Genoplante (F); KBBE EraNet; Ateneo Italo-Tedesco; Ateneo Italo-Francese; Parco Tecnologico Padano, ARS France, Ministry of Research Slovenja
PREMI e RICONOSCIMENTI	1. Honorable Research Lecturer of the Year 2007, the Grape Genome, The American Society of Enology and Viticulture 2. Premio Assoenologia 2013, Role of Resveratrol in Grape Defence "Best scientific publications 2010-2012". 3. Premio "N. Strampelli" 2013, Società Italiana di Genetica Agraria (co-autore) 4. Chair of the Working Group "Molecular Markers in Horticulture" of the International Society of Horticultural Science, ISHS. (2013-2018)
Affiliazioni	- Co-fondatore e membro dell'International Grapevine Genome Program (2001, Davis CA) - membro del Consiglio della Società Italiana di Genetica Agraria, anni 2004-2005 - socio della Società Italiana di Genetica Agraria dal 1992 - socio della Società Italiana di Ortofrutticoltura dal 2018 - candidato Vice-presidente per la Società Italiana di Genetica Agraria (2021-23)

Progetti nazionali ed internazionali

Dates	**EXTERNAL GRANTS AS PRINCIPAL INVESTIGATOR** **(total budget managed between 2000 and 2021: approximately 35 M€)**
2018-2021	Partecipazione a numerosi progetti del CREA Viticoltura ed Enologia, come senior manager o senior scientist, ma non PI preferenzialmente lasciato ai ricercatori, tra questi: 3 progetti europei (1 H2020, 1 PRIMA, 1 Interreg), numerosi PSR regionali in Veneto, progetti MISE, MIUR, MIPAAF, con una media annuale di progetti finaziati per il CREA VE crescente nei 4 anni (ad es. progetti europei da 2 nel 2017 a 7 in corso nel 2021).
2018	Progetto Vitech – BIOTECH, MIPAAF, Biotecnologie applicate al miglioramento genetico della vite per incrementare sostenibilità e competitività della filiera (**progetto strategico)** (6 mio € a CREA, 800 k€ al CREA VE)
2017	Progetto VitVive – PSR Regione Veneto, Innovativi modelli di sviluppo, sperimentazione ed applicazione di protocolli di sostenibilità della vitivinicoltura veneta (**competitivo**) (6 mio € a CREA, 450 k€ al CREA VE)

2016	Progetto CARIPLO – Ricerca integrata sulle biotecnologie industriali e sulla bioeconomia progetto "GrAptaResistance: a novel strategy based on peptide aptamers to protect grapevine from downy mildew fungal infection", in collaboration with UNIMI (**competitivo**) (450 k€)
2016	Progetto Euregio – "VITISANA: Dissecting the genetic basis of negative quality traits in new disease resistant grapevines", in collaboration with Experimental station Laimburg d University of Innsbruck. (**competitivo**) (400 k€)
2015	European Research Project, Marie Sklodowska Curie "Genevabreed - Cloning and functional characterization of a complex resistance locus from 'Geneva' to breed apple cultivars with durable scab resistance". Collaboration between Plant and Food Research (NZ) and FEM. (**competitivo**) (250 k€)
2014	Associated DFG-ANR project "AlternApp: Genetic mechanisms underlying alternate cropping in apple (*Malus* x *domestica*)" in collaboration with INRA (coordinator) and 4 other European Institutions. (**competitivo**)
2013	TRANSAPPLE, regional funded project on epigenetics in apple, co-PI with dr. Azeddine SiAmmour (3 years project, amount required 765 k€) (**competitivo**)
2010	KBBE-2010-1-1-01 (FP7): Fruitbreedomics. Genetic and genomic tools to increase the breeding efficiency in fruit trees: (4 years project, amount requested: 5.999 k€) (**competitivo**)
2009	AGER (Fondazioni bancarie) 2009: Apple fruit quality in the post-genomic era, from breeding new genotypes to post-harvest: nutrition and health (3 years project, amount requested: FEM 1006 K€ of 3.598 k€) (**competitivo**)
2009	Autonomous Province of Trento and National Institute for Nuclear Physics (2009): "AURORA Project High performance computing for scientific applications." (18 months, FEM 110 k€ of 1.552 k€) (**competitivo**)
2007	Research project "Apple Genome Sequencing" funded by the Province of Trento, in collaboration with Myriad Genetics inc., Salt Lake City, Utah, USA and 454 Life Science, Branford CT USA. (2 years – IASMA 9.500 k€) (**finanziamento diretto**)
2007	MiUR, Resarch Project "Parallelomics" High parallelism in Genomics and Metabolomics in higher plants, collaboration with ENEA Rome, University of Verona, CRA Fiorenzuola, PTP Lodi. (3 years – IASMA 200 K€ of 1300 k€)(**competitivo**)
2005	Research project "Grapevine Genome Sequencing" funded by the Province of Trento, in collaboration with Myriad Genetics inc., Salt Lake City, Utah, USA and 454 Life Science, Branford CT USA. (2 years – IASMA 10.500 k€)(**finanziamento diretto**)
2004-2008	6 post-doctoral fellowships funded between 2004 and 2008 funded by the Provincia odf Trento/Marie Curie EU Program (6 x 150 k€ ciascuno) (**competitivi**)
2003	Research project "Grapevine Physical mapping", in collaboration with Università di Udine, Keygene Wageningen, Università di Padova, ERGV Evry Parigi, funded by the Province of Trento. (2 years – IASMA 1.500 k€) (**finanziamento diretto**)
2002	Ministry of Research and University MURST "Genomics approaches to define biological parameters for grape berry quality", funded by the Ministry of Research and University (3 years – IASMA 60 k€) (**competitivo**)
2002	Research project BAC-co "Analysis of the grape genomic structure towards isolation of relevant genes to improve grape quality ", funded by the Province of Trento. (3 years – IASMA 900 k€) (**competitivo**)
2001	Fuctional genomics in grape (glass microarrays) "Resveratrol" in collaboration with Institute Fraunhofer of Aachen-Schmallenberg, Germany, funded by the Province of Trento and the Fraunhofer Gesellschafft. (3 years - IASMA 450 k€) (**competitivo**)

2000	Research project „Advanced Biology in grape and apple“, funded by Fondazione Casse di Risparmio di Trento e Rovereto, CARITRO. (5 years – IASMA 3.771 k€) (**competitivo**)

Invited speaker e seminari

2019	VI° Horticulture Research (Nature Group) Congress, Venice, I (convenor)
2019	South African & Italian wine research innovation, Capetown, ZA
2019	Ambasciata Italiana, Singapore
2018	Interpoma, BZ, I
2018	CONAVI, Università Cattolica di Piacenza, I
2017	IV° Horticulture Research (Nature Group) Congress, East Malling, UK
2017	5° Plant Genomes and gene editing, Amsterdam, The Netherlands
2017	5° Quedlinburger Pfl anzenzüchtungstage, IPK Getersleben, Germany
2016	III° Horticulture Research (Nature Group) Congress, Nanjing, China
2016	I° Apple International Apple Symposium, Yangling, Xi'An, China
2014	XI International Conference on Grapevine Breeding and Genetics, Bejing, China
2013	ISHS International Symposium on Molecular Markers in Fruitculture, FEM (I)
2013	II° Plant Genomics, London, UK
2013	Italian Society of Horticulture, Padua I
2012	ISHS International Symposium on Biotechnology in fruit species, Nelson NZ
2011	Chinese Agriculture Academy of Science, Bejing, China
2011	Plant Genome Evolution, Amsterdam, NL
2010	ETNA European Training Networks, EPSO PhD school
1999, 2002, 2005, 2007, 2009, 2011, 2013, 2014, 2015, 2016, 2017, 2018	Plant and Animal Genomes Congress – San Diego CA
2010	II° Internat. Symposium Genomics of Plant Genetic Resources Bologna (I)
2016	VIII° Congress of Rosaceae Genomics Angers (F) (Chair)
2014	VII° Congress of Rosaceae Genomics Seattle WA
2012	VI° Congress of Rosaceae Genomics San Michele all'Adige (Convenor)
2010	V° Congress of Rosaceae Genomics Cape Town (ZA)
2008	IV° Congress of Rosaceae Genomics Pucon (CL)
2006, 2009	COST 858 Prague (CZ) and Bordeaux (F)
2007	American Society of Enology and Viticulture, Reno (NV), USA
2006	South African Society of Enology and Viticulture, Stellenbosch (ZA)
2005	Italian-Israel Joint congress, Jerusalem (IL)

Insegnamento universitario

Corsi presso	AA 2018-19 e 2019-20 Università di Padova, Facoltà di Agraria, corso in Genetica e genomica della vite (12 ore, corso di 48 ore condiviso con titolare S. Varotto) 2 AA 2016-2018 Università di Verona, Facoltà di Biotecnologie agroindustriali, corso in Struttura e funzioni dei genomi (48 ore) 3 AA 2015-2018 Università di Ferrara, Facoltà di Biologia, corso di Biotecnologia Vegetale (48 ore) 11 AA 2002-2013 Università di Verona, Facoltà di Medicina, corso di Biologia Molecolare (20 ore, corso di 48 ore condiviso) 2 AA 2009-2011 Università di Bologna, Facoltà di Biologia, corso in Genetica Evoluzionistica (96 ore) 2 AA 2006-07 e 2008-09 Università di Napoli, Facoltà di Agraria, corso in Genomica della Vite (16 ore, corso di 48 ore condiviso con titolare L. Frusciante) 1 AA 2002-2003 Università di Trento, Facoltà di Informatica, corso di Biologia Molecolare (48 ore)
PHD SUPERVISION	Oltre 20 PhD supervisionati
STUDENT SUPERVISION	Oltre 30 lauree triennali e magistrali
EXTERNAL EXAMINER EXPERIENCES	Membro di commissione di valutazione di progetti di Università ed Enti europei e nazionali Valutatore di Tenure track per professori statunitensi, canadesi, francesi e britannici VQR ANVUR 2011-14, membro del panel GEV 07 (Agraria e Veterinaria) HCERES 2019, presidente panel di valutatori della sede INRA di Montpellier

Brevetti e Privative vegetali

Europei	European Patent n. 13425004.2 – 1406: "Co gene MdCo31 of the Wijcik mutant of *Malus* x *domestica* Borkh and plants with controlled tree architecture genetically transformed by introcuction of this gene". European Patent (PCT/EP2015/065624): "*Erysiphe necator* resistance providing genes in *Vitis vinifera*" European Patent (PCT/EP2015/073135): "*Podosphora leuchotryca* resistance providing genes in *Malus* x *domestica*" Italian Patent IDEC/DEUM/P1395IT: "*Peptidi ad attività fungicida, loro composizioni e relativi usi in campo agronomico*" 4 Varietà di uva da tavola sottomesse a valutazione DUS presso il CPVO nel 2020 - Gallianum B. - Leuka B. - Medunio B. - Cerina B.

Competenze linguistiche

Madre lingua	ITALIANO

lingue	Inglese (eccellente), C2 Tedesco (molto buono), C1 Francese (buono), B1 Spagnolo (scolastico), A1

Il sottoscritto è a conoscenza che, ai sensi dell'art.76 del D.P.R.445/2000, le dichiarazioni mendaci, la falsità negli atti e l'uso di atti falsi sono puniti ai sensi del codice penale e delle leggi speciali.
Inoltre, ho preso visione dell'informativa in merito al trattamento dei miei dati personali, in accordo con il Regolamento UE 2016/679 (GDPR).

In fede,

Pubblicazioni

149 **Pubblicazioni ISI Web + 10 books chapters**

Total impact factors: over 700
Total citations: over 14.700
h-index: 52 (WoS); 56 (Scopus); 64 (G Scholar)

1. Shen F, Bianco L, Wu B, Tian Z, Wang Y, Wu T, Xu X, Han Z, Velasco R, Fontana P, Zhang X (2022). A bulked segregant analysis tool for out-crossing species (BSATOS) and QTL-based genomics-assisted prediction of complex traits in apple. ***Nature Comm.*** *(submitted*)
2. Amato A, Cardone MF, Ocarez N, Alagna F, Ruperti B, Velasco R, Mejìa N, Zenoni S, Bergamini C (2022) VviAGL11 self-regulates and targets hormone and secondary metabolism crosstalk during seed development. ***Plant Phys*** (*submitted)*
3. Sandrini M, Moffa L, Velasco R, Balestrini R, Nerva L, Chitarra W (2022) Improving ecological plant-microbiome interactions as mitigators of anthropocentric breeding. ***J Exp Bot*** *(major revision)*
4. Forleo LR, D'Amico M, Basile T, Marsico AD, Cardone MF, Maggiolini FAM, Velasco R, Bergamini C (2021) Somatic Embryogenesis in Vitis for Genome Editing: Optimization of Protocols for Recalcitrant Genotypes. ***Horticulturae*** *7:511*
5. Crespan M, Migliaro D, Larger S, Pindo M, Palmisano M, Manni A, Manni E, Polidori E, Sbaffi F, Silvestri, Oriana Silvestroni Q, Velasco R, Virgili S, Camilli G (2021) The grapevine (Vitis vinifera L.) varietal assortment and evolution in Marche region (central Italy). ***OENO one*** *55, 3: 17-37*
6. Licciardello C, Perrone I, Gambino G, Talón M, Velasco R (2021) Editorial: Functional Genomics in Fruit Trees: From 'Omics to Sustainable Biotechnologies. ***Frontiers in Pl. Science*** *12:729714*
7. Possamai T, Wiedemann-Merdinoglu S, Merdinoglu D, Migliaro D, De Mori G, Cipriani G, Velasco R, Testolin R (2021) Construction of a high-density genetic map and detection of a major QTL of resistance to powdery mildew (Erysiphe necator Sch.) in Caucasian grapes (*Vitis vinifera* L.) ***BMC Plant Biol*** *Online ahead of print. Doi: 10.21203/rs-439287/v1*
8. Giudice G, Moffa L, Varotto S, Cardone M.F, Bergamini C, De Lorenzis G, Velasco R✉, Nerva L, Chitarra W (2021) Novel plant breeding strategies for crop protection. ***Plant Biotech. J****. Online ahead of print. doi: 10.1111/pbi.13605*.
9. Colombo M, Masiero S, Rosa S, Caporali E, Toffolatti S, Mizzotti C, Tadini L, Rossi F, Pellegrino S, Musetti R, Velasco R, Perazzolli M, Vezzulli S, Pesaresi P (2020) NoPv1: a synthetic antimicrobial peptide aptamer targeting the causal agents of grapevine and potato downy mildew. ***Sci. Report*** *10, 17574*
10. Possamai T, Migliaro D, Gardiman M, Velasco R✉, De Nardi B (2020) Phenotyping of grapevine genotypes carrying different resistance loci reveals specific responses to downy mildew (*Plasmopara viticola*) infection. ***Plants*** *9, 781*
11. Crespan M, Petrussi C, Stocco M, Maul E, Migliaro D, Pindo M, Larger S, Rusjan D, Velasco R, Sivilotti P (2020) New achievements on the pedigree of Glera and other Friuli Venezia Giulia (North East Italy) grapevine cultivars using SR and SNP markers. ***Sci. Report*** *10, 7206*

12. Linsmith G, Rombauts S, Montanari S, Deng C, Celton JM, Liu C, Lohaus R, Zurn J, Cestaro A, Bassil N, Baker L, Schijlen E, Gardiner S, Durel CE, Velasco R, Neale D, Chagné D, Van de Peer Y, Troggio M, Bianco L (2019) Pseudo-chromosome length genome assembly of a double haploid 'Bartlett' pear (*Pyrus communis* L.). ***GigaScience*** *8, 1-17*

13. Zini E, Dolzani C, Stefanini M, Gratl V, Bettinelli P, Nicolini D, Betta G, Dorigatti C, Velasco R, Letschka T, Vezzulli S (2019) R-loci pyramiding versus downy and powdery mildew resistance level: a Vitis hybrid survey. ***Int. J. Mol. Sci.*** 2019, *20(14), 3526*

14. Malacarne G, Vezzulli S, Masuero D, Vecchione A, Dolzani C, Goremykin V, Haile Mehari Z, Banchi E, Velasco R, Stefanini M, Vrhovsek U, Zulini L, Franceschi P, Moser C (2019) The Rpv3-3 haplotype and stilbenoid induction mediate downy mildew resistance 2 in a grapevine inter-specific population. ***Front Plant Sci.*** *10, 234*

15. Buti M, Sargent DJ, Bianco L, Magnago P, Velasco R, Colgan RJ (2018) A study of gene expression changes at the Bp-2 locus associated with bitter pit symptom expression in apple (Malus pumila). ***Mol Breed.*** *38:85*

16. Osakabe Y, Liang Z, Ren C, Nishitani C, Osakabe K, Wada M, Komori S, Malnoy M, Velasco R, Koo OJ, Viola R, Kanchiswamy CN (2018), CRISPR/Cas9 mediated genome editing in Apple and Grapevine. ***Nat. Prot.*** *13, 2844–2863*

17. De Franceschi P, Bianco L, Cestaro A, Dondini, Velasco R (2018) Characterization of 25 full-length S-RNase alleles, including flanking regions, from a pool of re-sequenced apple cultivars. ***Plant Mol Biol*** *97 (3): 279-296*

18. Padmarasu S, Sargent DJ, Patocchi A, Troggio M, Linsmith G, Jaensch M, Kellerhalls M, Tartarini S, Velasco R. (2018) Identification of a leucine-rich repeat receptor-like serine/threonine-protein kinase as a candidate gene for Rvi12 based apple scab resistance. ***Mol Breeding*** *38:73*

19. Buti M, Moretto M, Barghini E, Mascagni F, Natali L, Brilli M, Lomadze A, Sonego P, Giongo L, Alonge M, Velasco R, Varotto C, Surbanovski N, Borodovsky M, Ward J, Engelen K, Cestaro A, Cavallini A, Sargent D. (2018) The genome sequence and transcriptome of Potentilla micrantha shed light on the origins of the strawberry fruit development. ***Gigascience*** *7:1-14*

20. Laurens F, Aranzana MJ, Arus P, Bassi D, Bonany J, Caprera A, Corelli-Grappadelli L, Costes E, Durel CE, Muranty H, Nazzicari N, Pascal T, Patocchi A, Peil A, Quilot B, Rossini L, Stella A, Troggio M, Velasco R, van de Weg E (2018) FruitBreedomics: an integrated approach for increasing breeding efficiency in fruit tree crops. ***Hort Res*** *5:11*

21. Buonassisi D, Cappellin L, Dolzani C, Velasco R, Peressotti E, Vezzulli S. (2018) Development of a novel phenotyping method to assess downy mildew 2 symptoms on grapevine inflorescences. ***Sci Hort*** *236:79-89*

22. Busatto N, Farneti B, Commisso M, Bianconi M, Iadarola B, Zago E, Ruperti B, Spinelli F, Zanella A, Velasco R, Ferrarini A, Chitarrini G, Vrhovsek U, Delledonne M, Guzzo F, Costa G, Costa F (2018) Apple fruit superficial scald resistance mediated by ethylene inhibition is associated with diverse metabolic processes. ***Plant J*** *93: 270-285*

23. Urrestarazu J, Muranty H, Denancé C, Leforestier D, Ravon E, Guyader AR, Feugey L, Dondini L, Gregori R, Lateur M, Houben P, Ordidge M, Paprstein F, Sedlak J, Nybom H, Garkava-Gustavsson L, Troggio M, Bianco L, Velasco R, Poncet C, Théron A, Moriya S, Bink MCAM, Laurens F, Tartarini S, Durel CE (2017) Genetic determinism of two key phenological traits highly responsive to climate change: genome-wide association mapping of flowering and harvest periods in apple. ***Front Pl. Sci****. 8: 1923*

24. Cova V, Paris R, Toller C, Patocchi A, Velasco R[⊠], Komjanc M (2017) Isolation and characterization of apple genes involved in the response to *Venturia inaequalis* and Salicylic Acid treatment by RT-qPCR. ***Scientia Hort*** *226: 157-172*

25. Daccord N, Celton JM, Linsmith G, Becker C, Choisne N, Schijlen E, van de Geest H, Bianco L Micheletti D, Velasco R, Di Pierro EA, Gouzy J, Muranty H, Gaillard S, Durel CE,

Laurens F, Lespinasse Y, Aubourg S, Rees JG, Quesneville H, Weigel D, van de Weg E, Troggio M, Bucher E (2017) The apple genome: evolution and methylome dynamics of early fruit development. ***Nat. Genet.*** *49(7):1099-1106*

26. Buonassisi D; Colombo M; Migliaro D; Dolzani C; Peressotti E; Mizzotti C; Velasco R; Masiero S; Perazzolli M; Vezzulli S. (2017) Breeding for grapevine downy mildew resistance: a review of "omics" approaches. ***Euphytica*** *213:103*

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In fede,