

Characterization of a recombination hotspot in wheat using flow-sorted pollen nuclei and digital PCR

Abrouk, Michael; Zwyrkova, Jana; Christelova, Pavla; **Jakobson, Irena; Järve, Kadri** International Plant & Animal Genome XXV : January 14-18, 2017, San Diego, CA, USA : [poster abstracts] 2017 / poster P0843, p. [230-231] <http://www.intlpag.org/2017/113-newsroom/news-xxv/295-pag-xxv-links>

Characterization of new allele influencing flowering time in bread wheat introgressed from *Triticum militinae*

Ivaničova, Zuzana; **Jakobson, Irena; Reis, Diana; Järve, Kadri** New biotechnology 2016 / p. 718-727 : ill
<https://doi.org/10.1016/j.nbt.2016.01.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The chromatin determinants and Ph1 gene effect at wheat sites with contrasting recombination frequency

Majka, Maciej; Janáková, Eva; **Jakobson, Irena; Järve, Kadri**; Cápál, Petr; Korchanová, Zuzanna; Lampar, Adam; Juračka, Jakub; Valárik, Miroslav Journal of advanced research 2023 / p. 75-85 <https://doi.org/10.1016/j.jare.2023.01.002> [Journal metrics at Scopus](#)
[Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Colinearity-based marker mining for high density mapping of the wheat powdery mildew resistance locus QPm.tut-4A

Valarik, Miroslav; **Jakobson, Irena; Timofejeva, Ljudmilla**; Kladvivova, Monika; **Järve, Kadri**; Doložel, Jaroslav Abstracts of the 19th International Triticeae Mapping Initiative - 3rd COST Tritigen : Clermont-Ferrand, France, August 31st - September 4th 2009 2009 / p. 88

Combined approaches toward mapping and cloning of powdery mildew resistance gene QPm.tut-4A introgressed to bread wheat from *T. militinae*

Kladvivova, Monika; Klocova, Barbora; **Reis, Diana; Jakobson, Irena; Peuša, Hilma; Järve, Kadri; Timofejeva, Ljudmilla** Abstracts of the Plant and Animal Genome XX Conference : San-Diego California, US 2012 / p. 313

A common wheat line showing *Triticum militinae*-derived adult-plant resistance to powdery mildew

Jakobson, Irena; Peuša, Hilma; Tiidema, Anu; Timofejeva, Ljudmilla; Järve, Kadri Proceedings of the 10th International Wheat Genetics Symposium : Paestum, Instituto Sperimentale per la Cerealicoltura, 2003. 3 2003 / p. 1160-1162

Construction of physical map for the locus introgressed to bread wheat from *Triticum militinae* conferring powdery mildew resistance

Kominková, E.; Klocová, B.; Abrouk, Michael; **Posti, Diana; Jakobson, Irena; Peuša, Hilma; Järve, Kadri; Timofejeva, Ljudmilla** Cereals for Food, Feed and Fuel - Challenge for Global Improvement : EUCARPIA Cereals Section - ITMI Joint Conference : Wernigerode, Germany, June 29 - July 4, 2014 : book of abstracts 2014 / p. 114 http://meetings.ipk-gatersleben.de/EUCARPIA_ITMI_2014/book_of_abstracts.pdf

Development of DH in a disease-resistant *T. timopheevi*-derived wheat population

Järve, Kadri; Tiidema, Anu; Tsõmbalova, Jelena Technology advancement for gametic embryogenesis 2002 / ? p

Development of the Northern European Ribes core collection based on a microsatellite (SSR) marker diversity analysis

Antonius, Kristiina; Karhu, S.; **Kokk, L.; Järve, Kadri** Plant genetic resources : characterization and utilization 2012 / p. 70-73 : ill
https://www.researchgate.net/publication/230626680_Development_of_the_Northern_European_Ribes_core_collection_based_on_a_microsatellite_SSR_marker_diversity_analysis

Divergence between bread wheat and *Triticum militinae* in the powdery mildew resistance QPm.tut4A locus and its implications for cloning of the resistance gene

Janáková, Eva; **Jakobson, Irena; Peuša, Hilma; Järve, Kadri** Theoretical and applied genetics 2019 / p. 1061–1072 : ill
<https://doi.org/10.1007/s00122-018-3259-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Efficiency of the *Triticum militinae*-derived powdery mildew resistance gene QPm.tut-4A on different genetic backgrounds

Jakobson, Irena; Islamov, Bulat; Tsõmbalova, Jelena; Timofejeva, Ljudmilla; Järve, Kadri International Conference Plant Diseases and Resistance Mechanisms : programme and abstracts : Vienna, Austria, 20-22 February 2013 2013 / p. 52
<http://www.viscea.org/new/conferences/2013/Abstract%20books/Abstract%20BOOK%20PDKsyu.pdf>

Fine mapping, phenotypic characterization and validation of non-race-specific resistance to powdery mildew in a wheat–*Triticum militinae* introgression line

Jakobson, Irena; Reis, Diana; Tiidema, Anu; Peuša, Hilma; Timofejeva, Ljudmilla; Valarik, Miroslav; Kladvivova, Monika; Doležel, Jaroslav; Järve, Kadri Theoretical and applied genetics 2012 / p. 609-623 <https://pubmed.ncbi.nlm.nih.gov/22534789/>

Foliar resistance to the late blight pathogen *Phytophthora infestans* (Mont.) de Bary in a backcross of potato (*Solanum tuberosum* L.) cultivar Ando

Runno-Paurson, Eve; Tähtjärv, Terje; **Tönismann, Karmen; Peuša, Hilma; Jakobson, Irena; Järve, Kadri** Acta agriculturae Scandinavica. Section B, Soil and plant science 2019 / p. 631-640 : ill <https://doi.org/10.1080/09064710.2019.1629621> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Genetic analysis of powdery mildew resistance in an introgression line of wheat = Jahukastekindla introgressiivse suvenisuliini geneetiline analüüs

Jakobson, Irena 2019 <https://digi.lib.ttu.ee/i/?12020>

Genetic diversity of Estonian-grown spring wheat varieties assessed by microsatellite and morphological analyses
Tsõmbalova, Jelena; Haljak, Merlin; Ingver, Anne; **Järve, Kadri** Acta agriculturae Scandinavica. Section B, Soil and plant science 2008 / p. 97-104 : ill <https://www.tandfonline.com/doi/full/10.1080/09064710701228296>

A haplotype specific to North European wheat (*Triticum aestivum* L.)
Tsõmbalova, Jelena; Peuša, Hilma; Jakobson, Irena; Järve, Kadri Genetic resources and crop evolution 2017 / p. 653-664 : ill <https://doi.org/10.1007/s10722-016-0389-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

High density mapping of powdery mildew resistance gene Qpm.Tut-4A introgressed to bread wheat from *Triticum militinae*
Kominkova, Eva; Balcarkova, Barbora; Abrouk, Michael; **Reis, Diana; Jakobson, Irena; Peuša, Hilma; Järve, Kadri; Timofejeva, Ljudmilla;** Doležel, Jaroslav; Valarik, Miroslav Plant and Animal Genome Conference XXIV : the International Conference on the Status of Plant & Animal Genome Research : January 9-13, 2016, Town & Country Hotel, San Diego, CA 2016 / p. P0872 : ill

In silico identification and characterization of wheat 4AL - *Triticum militinae* introgression
Abrouk, Michael; Šimková, H.; Martis, M. M.; Pingault, L.; **Jakobson, Irena; Järve, Kadri** Cereals for Food, Feed and Fuel - Challenge for Global Improvement : EUCARPIA Cereals Section - I T M I Joint Conference : Wernigerode, Germany, June 29 - July 4, 2014 : book of abstracts 2014 / p. 303 http://meetings.ipk-gatersleben.de/EUCARPIA_ITMI_2014/book_of_abstracts.pdf

In-silico identification and characterization of wheat 4AL - *Triticum militinae* Introgression
Abrouk, Michael; **Jakobson, Irena; Järve, Kadri** XXII International Plant & Animal Genome Conference : January 10-14, 2014, San Diego, CA, USA : [abstracts] 2014 / p. P214

Late blight (*Phytophthora infestans*) resistance of the Estonian potato cultivar Ando and Ando's hybrids
Tõnismann, Karmen; Tähtjärv, Terje; Tsahkna, Aide; Runno-Paurson, Eve; **Aaspõllu, Anu; Järve, Kadri** EAPR 2014 Brussels : 19th Triennial Conference of the European Association for Potato Research, 6 to 11 July 2014 : Abstract Book 2014 / p. 186

Late blight resistance of the Estonian potato cultivar Ando [Online resource]
Tõnismann, Karmen; Tähtjärv, Terje; Tsahkna, Aide; Runno-Paurson, Eve; **Aaspõllu, Anu; Järve, Kadri** Environmental adaptation : from molecules to the planet : the Estonian Centre of Excellence in Environmental Adaptation ENVIRON. Final conference : October 1-3, 2015, Dorpat Conference Centre, Tartu, Estonia : abstract book 2015 / p. 60-61 http://environ.emu.ee/userfiles/environ/Abstract_Book_ENVIRON%20final%20conference%202015.pdf

Nisu haiguskindluse geneetiline kontroll
Peuša, Hilma; Enno, Tamara; **Järve, Kadri;** Priilinn, Oskar Agraarteadus 2001 / 4, lk. 219-223

Powder mildew resistance of Nordic spring wheat cultivars grown in Estonia
Peuša, Hilma; Enno, Tamara; Jakobson, Irena; Tsõmbalova, Jelena; Ingver, Anne; **Järve, Kadri** Acta agriculturae Scandinavica. Section B, Soil and plant science 2008 / p. 289-296 <https://www.tandfonline.com/doi/full/10.1080/09064710701706242>

Precise mapping the powdery mildew resistance locus QPm.tut-4A in wheat using barley, brachypodium, and rice collinear regions
Valarik, Miroslav; **Jakobson, Irena; Timofejeva, Ljudmilla;** Kladvivova, Monika; **Järve, Kadri;** Doležel, Jaroslav Plant & Animal Genome XVIII Conference : San Diego, 2010 2010 / p. P332

QTL analysis of yield-related morphological traits and powdery mildew resistance in an introgressive line of bread wheat
Jakobson, Irena; Tiidema, Anu; Peuša, Hilma; Posti, Diana; Ingver, Anne; **Järve, Kadri** Abstracts of the 19th International Triticeae Mapping Initiative - 3rd COST Tritigen : Clermont-Ferrand, France, August 31st - September 4th 2009 2009 / p. 149

RGAs amplified from a powdery mildew resistant *T.timopheevii* derivative of wheat
Järve, Kadri; Tamm, S.; Panitševa, N.; Tsõmbalova, Jelena; **Truve, Erkki** Proceedings of the 10th International Wheat Genetics Symposium : Paestum, Instituto Sperimentale per la Cerealicoltura, 2003. 3 2003 / p. 1163-1165

Structural variations of *T. militinae* locus introgressed into wheat chromosome arm 4AL and conferring improved powdery mildew resistance
Kominkova, Eva; **Jakobson, Irena; Järve, Kadri; Peuša, Hilma;** Abrouk, Michael; **Timofejeva, Ljudmilla;** Doležel, Jaroslav; Valarik, Miroslav International Plant & Animal Genome XXV : January 14-18, 2017, San Diego, CA, USA : [poster abstracts] 2017 / poster P0896, p. [245] <http://www.intpag.org/2017/113-newsroom/news-xxv/295-pag-xxv-links>

Tetraploid wheat species *Triticum timopheevii* and *Triticum militinae* in common wheat improvement
Järve, Kadri; Jakobson, Irena; Enno, Tamara Acta agronomica Hungarica 2002 / 4, p. 1-15 <https://akjournals.com/view/journals/014/50/4/article-p463.xml>

The in silico identification and characterization of a bread wheat/*Triticum militinae* introgression line

Abrouk, Michael; Balcarkova, Barbora; Šimkova, Hana; **Jakobson, Irena; Timofejeva, Ljudmilla; Järve, Kadri** Plant biotechnology journal 2017 / p. 249-256 : ill <https://doi.org/10.1111/pbi.12610> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Towards cloning the powdery mildew resistance gene QPm.tut-4A introgressed to bread wheat from T. militinae
Kladivova, Monika; Klocova, Barbora; Posti, Diana; **Jakobson, Irena; Peuša, Hilma; Järve, Kadri; Timofejeva, Ljudmilla**
Abstracts of the ITMI NWGC Joint Workshop : Fargo ND, USA 2012
https://wheat.pw.usda.gov/ggpages/awn/58/TEXTFILES/ITMI/SP19_VALARIK.pdf

Triticum militinae introgressions into bread wheat affect host responses to powdery mildew challenge [Online resource]
Islamov, Bulat; Peuša, Hilma; Jakobson, Irena; Järve, Kadri Environmental adaptation : from molecules to the planet : the Estonian Centre of Excellence in Environmental Adaptation ENVIRON. Final conference : October 1-3, 2015, Dorpat Conference Centre, Tartu, Estonia : abstract book 2015 / p. 34
http://environ.emu.ee/userfiles/environ/Abstract_Book_ENVIRON%20final%20conference%202015.pdf