

Elena Raimondi: publications in international journals

1. Nergadze SG, Piras FM, Gamba R, Corbo M, Cerutti F, McCarter JGW, Cappelletti E, Gozzo F, Harman RM, Antczak DF, Miller D, Scharfe M, Pavesi G, **Raimondi E***, Sullivan KF, Giulotto E (2018) Birth, evolution, and transmission of satellite-free mammalian centromeric domains. *Genome Res.* 28: 789-799. ***co-corresponding author**
2. Giulotto E, **Raimondi E**, Sullivan KF (2017) The Unique DNA Sequences Underlying Equine Centromeres. *Prog Mol Subcell Biol* 56: 337-354.
3. Cerutti F, Gamba R, Mazzagatti A, Piras FM, Cappelletti E, Belloni E, Nergadze SG, **Raimondi E***, Giulotto E (2016) The major horse satellite DNA family is associated with centromere competence. *Mol Cytogenet* 9: 35 (8 pages). ***co-corresponding author**
4. Santagostino M, Khoraiuli L, Gamba R, Bonuglia M, Klipstein O, Piras FM, Vella F, Russo A, Badiale C, Mazzagatti A, **Raimondi E**, Nergadze SG, Giulotto E (2015) Genome-wide evolutionary and functional analysis of the Equine Repetitive Element 1: an insertion in the myostatin promoter affects gene expression. *BMC Genet* 16: 126 (16 pages).
5. Purgato S, Belloni E, Piras FM, Zoli M, Badiale C, Cerutti F, Mazzagatti A, Perini G, Della Valle G, Nergadze SG, Sullivan KF, **Raimondi E***, Rocchi M, Giulotto E (2015) Centromere sliding on a mammalian chromosome. *Chromosoma* 124: 277-287. Epub 2014 Nov 21. Erratum in: *Chromosoma*. 2015 124: 289. ***co-corresponding author**
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8. Donà M, Confalonieri M, Minio A, Biggiogera M, Buttafava A, **Raimondi E**, Delledonne M, Ventura L, Sabatini ME, Macovei A, Giraffa G, Carbonera D, Balestrazzi A (2013) RNA-Seq analysis discloses early senescence and nucleolar dysfunction triggered by Tdp1 α depletion in *Medicago truncatula*. *J Exp Bot.* 64: 1941-1951. Epub 2013 Mar 6.
9. Balestrazzi A, Agoni V, Tava A, Avato P, Biazzi E, **Raimondi E**, Macovei A, Carbonera D (2011) Cell death induction and nitric oxide biosynthesis in white poplar (*Populus alba* L.) suspension cultures exposed to alfalfa saponins. *Physiologia Plantarum* 141: 227-238.
10. Balestrazzi A, Macovei A, Tava A, Avato P, **Raimondi E**, Carbonera D (2011) Unraveling the response of plant cells to cytotoxic saponins: role of metallothionein and nitric oxide. *Plant Signaling & Behavior* 6: 1-4.
11. **Raimondi E**, Piras FM, Nergadze SG, Di Meo GP, Ruiz-Herrera A, Ponsà M, Ianuzzi L, Giulotto E (2011) Polymorphic organization of constitutive heterochromatin in *Equus asinus* (2n=62) chromosome 1. *Hereditas* 148: 110-113.
12. **Raimondi E** (2011) Naturally occurring minichromosome platforms in chromosome engineering: an overview. *Methods in Molecular Biology* 738: 41-56.
13. Piras FM, Nergadze SG, Magnani E, Bertoni L, Attolini C, Khoraiuli L, **Raimondi E**, Giulotto E (2010) Uncoupling of satellite DNA and centromeric function in the genus *Equus*. *PLoS Genetics* 6: e1000845.
14. Balestrazzi A, Macovei A, Testoni C, **Raimondi E**, Donà M, Carbonera D (2009) Nitric oxide biosynthesis in white poplar (*Populus alba* L.) suspension cultures challenged with heavy metals. *Plant Stress* 3: 1-6.
15. Piras FM, Nergadze SG, Poletto V, Cerutti F, Ryder OA, Leeb T, **Raimondi E**, Giulotto E (2009) Phylogeny of horse chromosome 5q in the genus *Equus* and centromere repositioning. *Cytogenetic And Genome Research* 126: 165-172.
16. Paulis M, Bensi M, Orioli D, Mondello C, Mazzini G, Dincalci M, Falcioni C, Radaelli E, Erba E, **Raimondi E**, De Carli L (2007) Transfer of a human chromosomal vector from a

hamster cell line to a mouse embryonic stem cell line. *Stem Cells* 25: 2254-2550.

17. **Uboldi C, Paulis M, Guidi E, Bertoni A, Di Meo GP, Perucatti A, Iannuzzi L, Raimondi E, Brunner RM, Eggen A, Ferretti L (2006)** Cloning of the bovine prion-like Shadoo (SPRN) gene by comparative analysis of the predicted genomic locus. *Mammalian Genome* 17: 1130-1139.
18. **Paulis M, Bensi M, Moralli D, De Carli L, Raimondi E (2006)** A set of duplicons on human chromosome 9 is involved in the origin of a supernumerary marker chromosome. *Genomics* 87: 747-757.
19. **Torti C, Gomulski L, Bonizzoni M, Murelli V, Moralli D, Guglielmino C, Raimondi E, Crisafulli D, Capy P, Gasperi G, Malacrida A (2005)** Cchobo, a hobo-related sequence in *Ceratitis capitata*. *Genetica* 123: 313-325.
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21. **Paulis M, Moralli D, Bensi M, De Carli L, Raimondi E (2004)** Isolation from the horse genome of a new DNA transposon belonging to the Tigger family. *Mammalian Genome* 15: 399-403.
22. **Nano R, Invernizzi R, Facchetti A, Raimondi E, Moralli D, Gerzeli G (2003)** Quantification of the DHFR gene in blast cells of leukaemia patients by fluorescence *in situ* hybridisation. *Anticancer Research* 23: 3883-3888.
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24. **Invernizzi R, Nano R, Facchetti A, Raimondi E, Travaglino E, Moralli D (2002)** Analysis of the dihydrofolate reductase gene in blast cells of patients with acute leukemia by fluorescence *in situ* hybridization. *Haematologica* 87: 61-62.
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33. **Raimondi E, Moralli D, Vagnarelli P, Balzaretto M, De Carli L (1995)** Human minichromosomes as potential vectors for gene therapy. *Journal of Experimental & Clinical Cancer Research* 14: 207-209.
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Elena Raimondi: publications in books internationally distributed

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