Resource Summary Report

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GRAPPA: Genome Rearrangements Analysis under Parsimony and other Phylogenetic Algorithms

RRID:SCR_007208
Type: Tool

Proper Citation

GRAPPA: Genome Rearrangements Analysis under Parsimony and other Phylogenetic Algorithms (RRID:SCR_007208)

Resource Information

URL: http://www.cs.unm.edu/~moret/GRAPPA/

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Description: As fascinating as diversity is, it''s not the sort of thing that computational scientists usually get excited about. Uncovering how diversity came to be has captured the attention of a team of researchers at Alliance partner University of New Mexico and the University of Texas, though. Using the 512-processor LosLobos Linux Pentium III supercomputing cluster at the Albuquerque High Performance Computing Center, the team has created a phylogeny reconstruction - or evolutionary history - of 12 bluebell species, predicting all of the steps that take these species back to a single common ancestor. To meet the challenge, they created a whole new piece of software known as GRAPPA. GRAPPA is is free software available as a gzipped tar file containing all source files needed to compile an executable version.

Abbreviations: GRAPPA

Resource Type: software resource

Defining Citation: PMID:11262975

Funding:

Resource Name: GRAPPA: Genome Rearrangements Analysis under Parsimony and other Phylogenetic Algorithms

Resource ID: SCR_007208

Alternate IDs: nlx_27473

Record Creation Time: 20220129T080240+0000

Record Last Update: 20250214T183106+0000

Ratings and Alerts

No rating or validation information has been found for GRAPPA: Genome Rearrangements Analysis under Parsimony and other Phylogenetic Algorithms.

No alerts have been found for GRAPPA: Genome Rearrangements Analysis under Parsimony and other Phylogenetic Algorithms.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 27 mentions in open access literature.

Listed below are recent publications. The full list is available at RRID.

Maudrich T, et al. (2018) Structural Neural Correlates of Physiological Mirror Activity During Isometric Contractions of Non-Dominant Hand Muscles. Scientific reports, 8(1), 9178.

Kemper VG, et al. (2018) High resolution data analysis strategies for mesoscale human functional MRI at 7 and 9.4T. NeuroImage, 164, 48.

Shaw DJ, et al. (2018) A dual-fMRI investigation of the iterated Ultimatum Game reveals that reciprocal behaviour is associated with neural alignment. Scientific reports, 8(1), 10896.

Monti S, et al. (2017) RESUME: Turning an SWI acquisition into a fast qMRI protocol. PloS one, 12(12), e0189933.

Price D, et al. (2017) Age-related delay in visual and auditory evoked responses is mediated by white- and grey-matter differences. Nature communications, 8, 15671.

Farrher E, et al. (2017) Concerning the matching of magnetic susceptibility differences for the compensation of background gradients in anisotropic diffusion fibre phantoms. PloS one, 12(5), e0176192.

Burzynska AZ, et al. (2017) The Dancing Brain: Structural and Functional Signatures of

Expert Dance Training. Frontiers in human neuroscience, 11, 566.

Metere R, et al. (2017) Simultaneous Quantitative MRI Mapping of T1, T2* and Magnetic Susceptibility with Multi-Echo MP2RAGE. PloS one, 12(1), e0169265.

Contreras JA, et al. (2017) Cognitive complaints in older adults at risk for Alzheimer's disease are associated with altered resting-state networks. Alzheimer's & dementia (Amsterdam, Netherlands), 6, 40.

Vijayakumar N, et al. (2016) White matter integrity in individuals at ultra-high risk for psychosis: a systematic review and discussion of the role of polyunsaturated fatty acids. BMC psychiatry, 16(1), 287.

Lin LY, et al. (2016) Endocardial Remodeling in Heart Failure Patients with Impaired and Preserved Left Ventricular Systolic Function--A Magnetic Resonance Image Study. Scientific reports, 6, 20868.

Cooke GE, et al. (2016) Moderate Physical Activity Mediates the Association between White Matter Lesion Volume and Memory Recall in Breast Cancer Survivors. PloS one, 11(2), e0149552.

Ronan L, et al. (2016) Obesity associated with increased brain age from midlife. Neurobiology of aging, 47, 63.

Fishbein DH, et al. (2016) Neurodevelopmental Precursors and Consequences of Substance Use during Adolescence: Promises and Pitfalls of Longitudinal Neuroimaging Strategies. Frontiers in human neuroscience, 10, 296.

Lin LY, et al. (2016) Myocardial Regional Interstitial Fibrosis is Associated With Left Intra-Ventricular Dyssynchrony in Patients With Heart Failure: A Cardiovascular Magnetic Resonance Study. Scientific reports, 6, 20711.

Henson RN, et al. (2016) The effects of hippocampal lesions on MRI measures of structural and functional connectivity. Hippocampus, 26(11), 1447.

Teixeira T, et al. (2016) Comparison of different cardiovascular magnetic resonance sequences for native myocardial T1 mapping at 3T. Journal of cardiovascular magnetic resonance : official journal of the Society for Cardiovascular Magnetic Resonance, 18(1), 65.

Rose M, et al. (2015) Lipid Diffusion in Supported Lipid Bilayers: A Comparison between Line-Scanning Fluorescence Correlation Spectroscopy and Single-Particle Tracking. Membranes, 5(4), 702.

Kemper VG, et al. (2015) Sub-millimeter T2 weighted fMRI at 7 T: comparison of 3D-GRASE and 2D SE-EPI. Frontiers in neuroscience, 9, 163.

Burzynska AZ, et al. (2015) White matter integrity supports BOLD signal variability and cognitive performance in the aging human brain. PloS one, 10(4), e0120315.