GOtcha

RRID:SCR_005790
Type: Tool

Proper Citation

GOtcha (RRID:SCR_005790)

Resource Information

URL: http://www.compbio.dundee.ac.uk/gotcha/gotcha.php

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Description: GOtcha provides a prediction of a set of GO terms that can be associated with a given query sequence. Each term is scored independently and the scores calibrated against reference searches to give an accurate percentage likelihood of correctness. These results can be displayed graphically. Why is GOtcha different to what is already out there and why should you be using it? * GOtcha uses a method where it combines information from many search hits, up to and including E-values that are normally discarded. This gives much better sensitivity than other methods. * GOtcha provides a score for each individual term, not just the leaf term or branch. This allows the discrimination between confident assignments that one would find at a more general level and the more specific terms that one would have lower confidence in. * The scores GOtcha provides are calibrated to give a real estimate of correctness. This is expressed as a percentage, giving a result that non-experts are comfortable in interpreting. * GOtcha provides graphical output that gives an overview of the confidence in, or potential alternatives for, particular GO term assignments. The tool is currently web-based; contact David Martin for details of the standalone version. Platform: Online tool

Abbreviations: GOtcha

Resource Type: analysis service resource, service resource, data analysis service, production service resource

Defining Citation: PMID:15550167

Keywords: function, protein, prediction, genome, annotation, gene, statistical analysis

Availability: Free for academic use

Resource Name: GOtcha

Resource ID: SCR_005790

Alternate IDs: nlx_149269

Old URLs: http://www.compbio.dundee.ac.uk/Software/GOtcha/gotcha.html

Record Creation Time: 20220129T080232+0000

Record Last Update: 20250422T055254+0000

Ratings and Alerts

No rating or validation information has been found for GOtcha.

No alerts have been found for GOtcha.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 1 mentions in open access literature.

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

Warwick Vesztrocy A, et al. (2020) Benchmarking gene ontology function predictions using negative annotations. Bioinformatics (Oxford, England), 36(Suppl_1), i210.