### UniRef

**RRID:** SCR_010646  
**Type:** Tool

#### Proper Citation

UniRef (RRID:SCR_010646)

#### Resource Information

<table>
<thead>
<tr>
<th><strong>URL:</strong></th>
<th><a href="http://www.uniprot.org/help/uniref">http://www.uniprot.org/help/uniref</a></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Proper Citation:</strong></td>
<td>UniRef (RRID:SCR_010646)</td>
</tr>
<tr>
<td><strong>Description:</strong></td>
<td>Databases which provide clustered sets of sequences from UniProt Knowledgebase and selected UniParc records, in order to obtain complete coverage of sequence space at several resolutions while hiding redundant sequences from view. The UniRef100 database combines identical sequences and sub-fragments with 11 or more residues (from any organism) into a single UniRef entry. The sequence of a representative protein, the accession numbers of all the merged entries, and links to the corresponding UniProtKB and UniParc records are all displayed in the entry. UniRef90 and UniRef50 are built by clustering UniRef100 sequences with 11 or more residues such that each cluster is composed of sequences that have at least 90% (UniRef90) or 50% (UniRef50) sequence identity to the longest sequence (UniRef seed sequence). All the sequences in each cluster are ranked to facilitate the selection of a representative sequence for the cluster.</td>
</tr>
<tr>
<td><strong>Synonyms:</strong></td>
<td>UniProt Reference Clusters</td>
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<td><strong>Resource Type:</strong></td>
<td>data or information resource, database</td>
</tr>
<tr>
<td><strong>Defining Citation:</strong></td>
<td><a href="https://www.ncbi.nlm.nih.gov/pubmed/17379688">PMID:17379688</a></td>
</tr>
<tr>
<td><strong>Keywords:</strong></td>
<td>database, protein sequence, sub-fragment, sequence cluster, clustered set</td>
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<td><strong>Funding Agency:</strong></td>
<td>NHGRI</td>
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<td><strong>Availability:</strong></td>
<td>Updated biweekly</td>
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<td><strong>Resource Name:</strong></td>
<td>UniRef</td>
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</tbody>
</table>
Ratings and Alerts

No rating or validation information has been found for UniRef.

No alerts have been found for UniRef.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 148 mentions in open access literature.

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


Dorrell RG, et al. (2023) Convergent evolution and horizontal gene transfer in Arctic Ocean microalgae. Life science alliance, 6(3).

Harmalkar A, et al. (2023) Toward generalizable prediction of antibody thermostability using machine learning on sequence and structure features. mAbs, 15(1), 2163584.


Safiee AWM, et al. (2022) Putative Pathogenic Genes of Leptospira interrogans and Leptospira weillii Isolated from Patients with Acute Febrile Illness. Tropical medicine and infectious disease, 7(10).


