**ACT: Artemis Comparison Tool**

**RRID:** SCR_004507  
**Type:** Tool

**Proper Citation**

ACT: Artemis Comparison Tool (RRID:SCR_004507)

**Resource Information**

**URL:** [http://www.sanger.ac.uk/resources/software/act/](http://www.sanger.ac.uk/resources/software/act/)

**Proper Citation:** ACT: Artemis Comparison Tool (RRID:SCR_004507)

**Description:** A free tool for displaying pairwise comparisons between two or more DNA sequences. It can be used to identify and analyze regions of similarity and difference between genomes and to explore conservation of synteny, in the context of the entire sequences and their annotation. It is based on the software for Artemis, the genome viewer and annotation tool. ACT runs on UNIX, GNU/Linux, Macintosh and MS Windows systems. It can read complete EMBL and GENBANK entries or sequences in FASTA or raw format. Other sequence features can be in EMBL, GENBANK or GFF format.

**Abbreviations:** ACT

**Synonyms:** Artemis Comparison Tool

**Resource Type:** software resource

**Defining Citation:** PMID:15976072

**Keywords:** dna sequence, genome, synteny, pairwise comparison

**Funding Agency:** Wellcome Trust

**Availability:** GNU General Public License

**Resource Name:** ACT: Artemis Comparison Tool

**Resource ID:** SCR_004507
Ratings and Alerts

No rating or validation information has been found for ACT: Artemis Comparison Tool.

No alerts have been found for ACT: Artemis Comparison Tool.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 15 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [RRID](#).


Harrison OB, et al. (2013) Description and nomenclature of Neisseria meningitidis capsule


Cantu D, et al. (2011) Next generation sequencing provides rapid access to the genome of Puccinia striiformis f. sp. tritici, the causal agent of wheat stripe rust. PloS one, 6(8), e24230.