

Title/Name of your software

A. Author

Your institute, some address

Abstract

Ca. 100 words

Keywords: keyword 1, keyword 2, keyword 3

1 Description of your software in maximum 5 pages for first Original Soft-
2 ware Publication — see suggested format;

3 1. Introduction

4 Introduce the motivation of developing the software, and explain why it
5 is important.

6 2. Problems and Background

7 Give the formulations of problems to be solved by the software/toolbox.
8 Introduce the background and related work in literature (cite or list al-
9 gorithms used, other software etc.).

10 3. Software Framework

11 3.1. Software Architecture

12 Give a short overview of the overall software architecture.

13 3.2. Software Functionalities

14 Present the major functionalities of the software.

15 *3.3. Sample code snippets analysis (optional)*

16 **4. Implementation and Empirical Results**

17 Implementation details.

18 Empirical results.

19 Conduct empirical studies and provide results.

20 Compare with state-of-the-art software if any, kindly cite relevant work.

21 **5. Illustrative Examples**

22 Provide at least one illustrative example to demonstrate the major func-
23 tions.

24 Optional: you may include one explanatory video that will appear next
25 to your article, in the right hand side panel. (Please upload any video as a
26 single supplementary file with your article. Only one MP4 formatted, with
27 50MB maximum size, video is possible per article. Recommended video
28 dimensions are 640×480 at a maximum of 30 frames/second. Prior to
29 submission please test and validate your .mp4 file at *http : //elsevier –*
30 *apps.sciverse.com/GadgetVideoPodcastPlayerWeb/verification*. This tool
31 will display your video exactly in the same way as it will appear on ScienceDi-
32 rect.).

33 **6. Conclusions**

34 Set out the conclusion of this original software publication.

35 **Acknowledgements**

36 Optionally thank people and institutes you need to acknowledge.

37 **References**

38 [1]

39 Required Metadata

40 Current executable software version

41 Ancillary data table required for sub version of the executable software:
 42 (x.1, x.2 etc.) kindly replace examples in right column with the correct
 43 information about your executables, and leave the left column as it is.

Nr.	(executable) Software metadata description	Please fill in this column
S1	Current software version	for example 1.1, 2.4 etc.
S2	Permanent link to executables of this version	example: https://github.com/combogenomics/DuctApe/releases/tag/DuctApe-0.16.4
S3	Legal Software License	List one of the approved licenses
S4	Computing platform/Operating System	for example Android, BSD, iOS, Linux, OS X, Microsoft Windows, Unix-like , IBM z/OS, distributed/web based etc.
S5	Installation requirements & dependencies	
S6	If available, link to user manual - if formally published include a reference to the publication in the reference list	Example: http://mozart.github.io/documentation/
S7	Support email for questions	

Table 1: Software metadata (optional)

44 Current code version

45 Ancillary data table required for subversion of the codebase. Kindly re-
 46 place examples in right column with the correct information about your cur-
 47 rent code, and leave the left column as it is.

Nr.	Code metadata description	Please fill in this column
C1	Current code version	For example v42
C2	Permanent link to code/repository used of this code version	For example: <i>https</i> : <i>//github.com/mozart/mozart2</i>
C3	Legal Code License	List one of the approved licenses
C4	Code versioning system used	For example svn, git, mercurial, etc. put none if none
C5	Software code languages, tools, and services used	For example c++, python, r, etc.
C6	Compilation requirements, operating environments & dependencies	
C7	If available Link to developer documentation/manual	For example: <i>http</i> : <i>//mozart.github.io/documentation/</i>
C8	Support email for questions	

Table 2: Code metadata (mandatory)