

# Example of hyperlinks in References list

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## Abstract

This example shows DOI, PubMed, and PubMedCentral links in the reference list. The latex file uses the **hyperref** package and the bibtex file has the links encoded in a **note** in each bibtex item. The latex file and the bibtex file are shown at the end. A perl program is available on request from [<gibenson@bu.edu>](mailto:gibenson@bu.edu) to add doi, pm, and pmc ids to a standard .bib file by automatically querying PubMed.

## 1 Body of article

These are the reference citations [1, 2, 3, 4]. Each number is clickable.

## References

- [1] Y. Gelfand, R. Rodriguez, and G. Benson. TRDB—the tandem repeats database. *Nucleic Acids Res*, 35(Database issue):D80–87, 2007. [PubMed:[17175540](#)] [PubMed Central:[PMC1781109](#)] [doi:[10.1093/nar/gkl1013](#)].
- [2] J. Giordano, Y. Ge, Y. Gelfand, G. Abrusn, G. Benson, and P. E. Warburton. Evolutionary history of mammalian transposons determined by genome-wide defragmentation. *PLoS Comput. Biol.*, 3:e137, Jul 2007. [PubMed:[17630829](#)] [PubMed Central:[PMC1914374](#)] [doi:[10.1371/journal.pcbi.0030137](#)].
- [3] D. Mak, Y. Gelfand, and G. Benson. Indel seeds for homology search. *Bioinformatics*, 22(14):e341–349, 2006. [PubMed:[16873491](#)] [doi:[10.1093/bioinformatics/btl263](#)].
- [4] D. Y. Mak and G. Benson. All hits all the time: parameter-free calculation of spaced seed sensitivity. *Bioinformatics*, 25:302–308, Feb 2009. [PubMed:[19095701](#)] [doi:[10.1093/bioinformatics/btn643](#)].

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## Latex file

The only thing different from normal is use of the hyperref package.

```
\documentclass[11pt]{article}
\usepackage{natbib}
\usepackage[pdftex,
colorlinks=true,    %makes the links show up in color, rather than in a box
citecolor=black,    %color of the in-text citation numbers
urlcolor=blue       %color of the url links
]{hyperref}

\setlength\topmargin{0in}
\setlength\headheight{0in}
\setlength\headsep{0in}
\setlength\textheight{8.5in}
\setlength\textwidth{6.5in}
\setlength\oddsidemargin{0in}
\setlength\evensidemargin{0in}
\setlength{\parskip}{0.1 in}
\setlength{\parindent}{0.0 in}

\bibliographystyle{unsrt}
\begin{document}

\title{Example of hyperlinks in References list}

\author{Gary Benson\thanks{This effort is supported in part by NAR.}}

\maketitle
\begin{abstract}
This example shows DOI, PubMed, and PubMedCentral links in the reference list.
The latex file uses the {\bf hyperref} package and the bibtex file has the links
encoded in a {\bf note} in each bibtex item. The latex file and the bibtex file
are shown at the end. A perl program is available on request from
\href{mailto:gbenson@bu.edu}{\<gbenson@bu.edu>} to add doi, pm, and pmc
ids to a standard .bib file by automatically querying PubMed.
\end{abstract}

\section{Body of article}
These are the reference citations \cite{GRB-07,GGG-2007,MGB-2006,MB-2009}.
Each number is clickable.

\bibliography{examplebibtolinks}
\end{document}
```

## Bibtex file

In each of the items below, links are listed in the “note={}”. The “\href” indicates a link, the first “{}” contains the url, and the second “{}” contains the text visible in your reference list.

- A DOI link looks like this. The “http://dx.doi.org/” always goes before the doi number

```
[doi:  
\href{http://dx.doi.org/10.1093/bioinformatics/bth037}  
{doi:10.1093/bioinformatics/bth037}  
]
```

- A PMC link looks like this. The “http://www.ncbi.nlm.nih.gov/pmc/articles/” always goes before the PMC number.

```
[PubMed Central:  
\href{http://www.ncbi.nlm.nih.gov/pmc/articles/PMC528961}{PMC528961}  
]
```

- A PubMed abstract link looks like this. The “http://www.ncbi.nlm.nih.gov/pubmed/” always goes before the PMID number.

```
[PubMed:  
\href{http://www.ncbi.nlm.nih.gov/pubmed/15290755}{PMID:15290755}  
]
```

```
@Article{MGB-2006,  
  author = "Mak, D. and Gelfand, Y. and Benson, G.",  
  title = "Indel Seeds for Homology Search",  
  note = {[PubMed:\href{http://www.ncbi.nlm.nih.gov/pubmed/16873491}{16873491}]  
    [doi:\href{http://dx.doi.org/10.1093/bioinformatics/btl263}  
    {10.1093/bioinformatics/btl263}]},  
  journal = "Bioinformatics",  
  year = 2006,  
  volume = 22,  
  number = 14,  
  pages = "e341-349"  
}
```

```
@ARTICLE{GRB-07,  
  author = {Gelfand, Y. and Rodriguez, R. and Benson, G.},  
  title = {{TRDB}--the tandem repeats database.},  
  note = {[PubMed:\href{http://www.ncbi.nlm.nih.gov/pubmed/17175540}{17175540}]  
    [PubMed Central:\href{http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1781109}
```

```

        {PMC1781109}]
        [doi:\href{http://dx.doi.org/10.1093/nar/gkl1013}{10.1093/nar/gkl1013}]],
journal = {Nucleic Acids Res},
year = {2007},
volume = {35},
number = {Database issue},
pages = {D80-87}
}

% 17630829
@Article{GGG-2007,
  Author="Giordano, J.  and Ge, Y.  and Gelfand, Y.  and Abrusn, G.
and Benson, G.  and Warburton, P. E. ",
  Title="{E}volutionary history of mammalian transposons determined by genome-wide
defragmentation",
  note = {[PubMed:\href{http://www.ncbi.nlm.nih.gov/pubmed/17630829}{17630829}]
[PubMed Central:\href{http://www.ncbi.nlm.nih.gov/pmc/articles/PMC1914374}
{PMC1914374}]
[doi:\href{http://dx.doi.org/10.1371/journal.pcbi.0030137}
{10.1371/journal.pcbi.0030137}]],
  Journal="PLoS Comput. Biol.",
  Year="2007",
  Volume="3",
  Pages="e137",
  Month="Jul"
}

% 19095701
@Article{MB-2009,
  Author="Mak, D. Y.  and Benson, G. ",
  Title="{A}ll hits all the time: parameter-free calculation of spaced seed
sensitivity",
  note = {[PubMed:\href{http://www.ncbi.nlm.nih.gov/pubmed/19095701}
{19095701}]
[doi:\href{http://dx.doi.org/10.1093/bioinformatics/btn643}
{10.1093/bioinformatics/btn643}]],
  Journal="Bioinformatics",
  Year="2009",
  Volume="25",
  Pages="302--308",
  Month="Feb"
}

```