

## New insights on single-stranded versus double-stranded DNA library preparation for ancient DNA - DTU Orbit (08/11/2017)

### New insights on single-stranded versus double-stranded DNA library preparation for ancient DNA

An innovative single-stranded DNA (ssDNA) library preparation method has sparked great interest among ancient DNA (aDNA) researchers, especially after reports of endogenous DNA content increases >20-fold in some samples. To investigate the behavior of this method, we generated ssDNA and conventional double-stranded DNA (dsDNA) libraries from 23 ancient and historic plant and animal specimens. We found ssDNA library preparation substantially increased endogenous content when dsDNA libraries contained

#### General information

State: Published

Organisations: Department of Systems Biology, Center for Biological Sequence Analysis, Metagenomics, University of Copenhagen

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Number of pages: 4

Pages: 368-371

Publication date: 2015

Main Research Area: Technical/natural sciences

#### Publication information

Journal: Biotechniques

Volume: 59

Issue number: 6

ISSN (Print): 0736-6205

Ratings:

BFI (2017): BFI-level 1

Web of Science (2017): Indexed Yes

BFI (2016): BFI-level 1

Scopus rating (2016): SJR 1.123 SNIP 0.578 CiteScore 1.16

BFI (2015): BFI-level 1

Scopus rating (2015): SJR 1.112 SNIP 0.746 CiteScore 1.22

Web of Science (2015): Indexed yes

BFI (2014): BFI-level 1

Scopus rating (2014): SJR 0.84 SNIP 1.125 CiteScore 1.27

Web of Science (2014): Indexed yes

BFI (2013): BFI-level 1

Scopus rating (2013): SJR 1.055 SNIP 0.892 CiteScore 1.41

ISI indexed (2013): ISI indexed yes

BFI (2012): BFI-level 1

Scopus rating (2012): SJR 0.949 SNIP 1.259 CiteScore 1.5

ISI indexed (2012): ISI indexed yes

BFI (2011): BFI-level 1

Scopus rating (2011): SJR 1.014 SNIP 0.87 CiteScore 1.62

ISI indexed (2011): ISI indexed yes

Web of Science (2011): Indexed yes

BFI (2010): BFI-level 1

Scopus rating (2010): SJR 1.073 SNIP 0.754

BFI (2009): BFI-level 1

Scopus rating (2009): SJR 1.179 SNIP 0.738

BFI (2008): BFI-level 1

Scopus rating (2008): SJR 1.121 SNIP 0.734

Web of Science (2008): Indexed yes

Scopus rating (2007): SJR 1.14 SNIP 0.865

Scopus rating (2006): SJR 1.084 SNIP 0.783

Web of Science (2006): Indexed yes

Scopus rating (2005): SJR 1.01 SNIP 0.712

Web of Science (2005): Indexed yes  
Scopus rating (2004): SJR 1.018 SNIP 0.787  
Web of Science (2004): Indexed yes  
Scopus rating (2003): SJR 0.943 SNIP 0.725  
Web of Science (2003): Indexed yes  
Scopus rating (2002): SJR 0.897 SNIP 0.757  
Scopus rating (2001): SJR 0.855 SNIP 0.73  
Web of Science (2001): Indexed yes  
Scopus rating (2000): SJR 0.966 SNIP 0.779  
Scopus rating (1999): SJR 0.974 SNIP 0.838  
Original language: English  
DOIs:

10.2144/000114364

Source: FindIt

Source-ID: 2289814592

Publication: Research - peer-review › Journal article – Annual report year: 2015