



ZFIN – the Zebrafish Information Network



Funded by NIH U41 HG002659, NSF BDI-0641025,
and the University of Oregon, Eugene, OR USA



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ZFIN Contents

ZFIN.org

- **Model organism database for zebrafish research**
- **All things genetic, genomic**
- **Gene expression and phenotypes**
- **Human disease models**

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Oct 17, 2014](#)
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80,000 expression patterns
90,000 phenotypes
24,000 publications
8,000 registered users

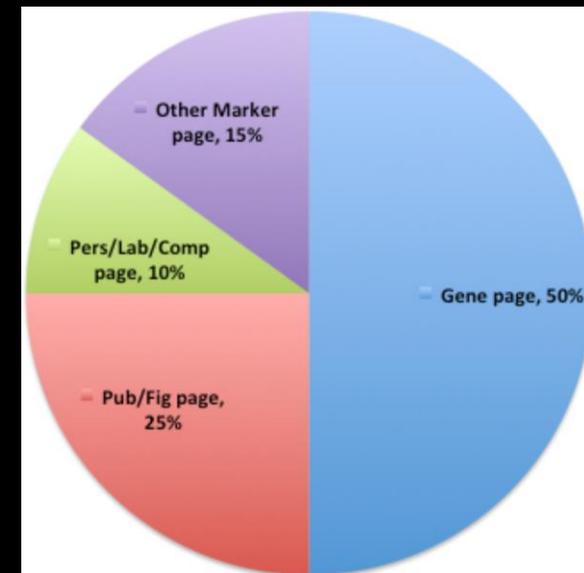
ZFIN Usage

Metric (Google Analytics)	Oct 1, 2014 – Oct 1, 2015	Oct 1, 2015 – Oct 1, 2016
Users *	279,686	283,222
Sessions **	707,478	722,581
Total Page Views***	4,512,900	4,090,372

*62% = returning users; 29% = .edu, .org, .ac.uk

** Average session duration > 4 minutes

***67% = searches, wiki page use, etc.; 33% = page views



ZFIN – importance to research community

From our recent user survey:

- How often do you use ZFIN? – 51% responded every day
- How important is ZFIN to your work? – 81% responded essential

Quotes:

- "ZFIN is the first place I go to when I'm writing a grant, designing an experiment, analyzing the results, and writing the paper."
- "ZFIN provides a home for the zebrafish research community."
- "My thesis would have been a hundred times harder without ZFIN."

ZFIN: future in the AGR

Goal 1: provide an integrated resource

- Simplified user experience
 - Common Web portal
 - Common searches
- Integrated view of data across the MODs

Goal 2: reduce costs

- MODs face a 30% reduction in NIH support
- Unclear how a new integrated resource will reduce costs
 - Some cost savings from shared infrastructure and software development
 - Curation is biggest cost & the research community does not want to lose curation; remote curation might help

MODs are cost effective

ZFIN = 0.8%* of NIH budget for zebrafish research

*Current zebrafish grant support by NIH:

Number of grants	1027
Total cost	\$468 M
Total cost of ZFIN:	\$3.5 M



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