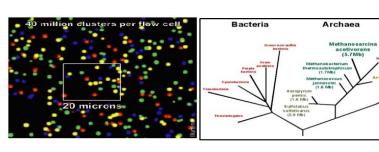


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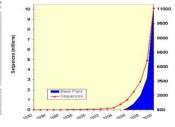


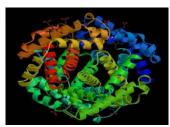
Ontology, and Identification of Molecular Pathways

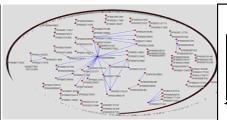
北京大学生物信息学中心 魏丽萍 Liping Wei, Ph.D.

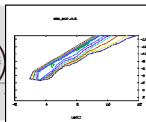
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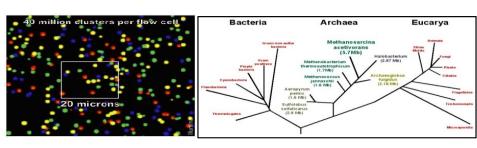








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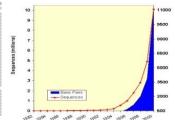


Unit 3: Annotations in Gene Ontology

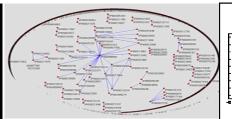
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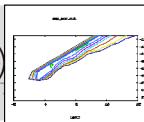
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Three types of GO annotations

- 1. Annotation through manually-reviewed experimental evidence
- 2. Annotation through manually-reviewed computational analysis evidence
- 3. Annotation by electronically-generated computational analysis evidence

http://www.geneontology.org/

Annotation through manually-reviewed experimental evidence

IDA Inferred from Direct Assay

IPI Inferred from Physical Interaction

IMP Inferred from Mutant Phenotype

IGI Inferred from Genetic Interaction

IEP Inferred from Expression Pattern

EXP Inferred from Experiment

Annotation through manually-reviewed computational analysis

ISO Inferred from Sequence Orthology

ISA Inferred from Sequence Alignment

ISM Inferred from Sequence Model

ISS Inferred from Sequence or Structural Similarity

IGC Inferred from Genomic Context

IBA Inferred from Biological aspect of Ancestor

IBD Inferred from Biological aspect of Descendant

RCA Inferred from Reviewed Computational Analysis

IKR Inferred from Key Residues

IRD Inferred from Rapid Divergence

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Annotation by completely electronically generated computational analysis without manual review

IEA Inferred from Electronic Annotation

Misc other manual annotations

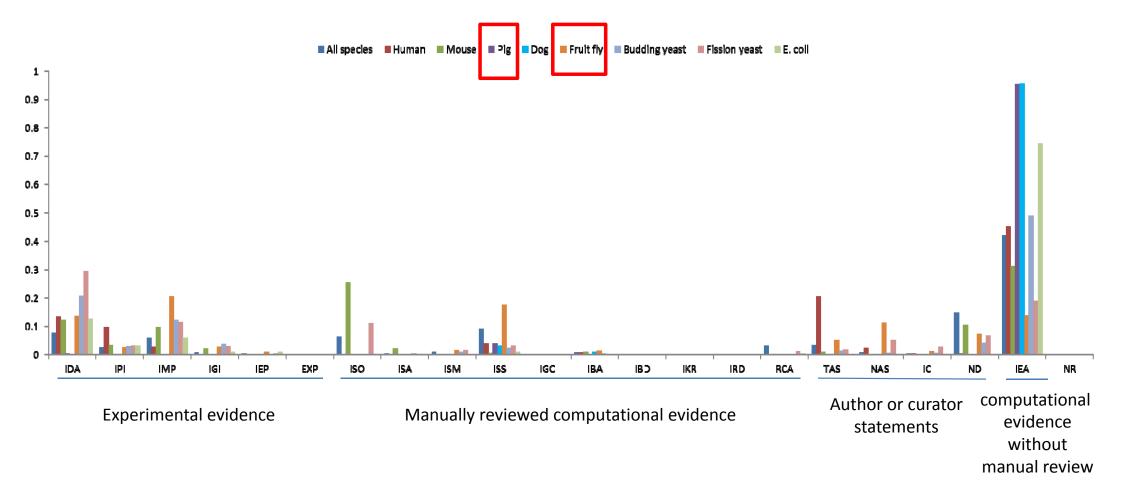
TAS Traceable Author Statement

NAS Non-traceable Author Statement

IC Inferred by Curator

ND No biological Data available

NR



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生物信息学:导论与方法 Bioinformatics: Introduction and Methods

Ge Gao 高歌 & Liping Wei 魏丽萍 Center for Bioinformatics, Peking University

