

Resource Summary Report

Generated by [RRID](#) on Aug 5, 2026

Expression Database in 4D

RRID:SCR_007066

Type: Tool

Proper Citation

Expression Database in 4D (RRID:SCR_007066)

Resource Information

URL: <http://ani.embl.de/4DXpress>

Proper Citation: Expression Database in 4D (RRID:SCR_007066)

Description: This database provides a platform to query and compare gene expression data during the development of the major model animals (zebrafish, drosophila, medaka, mouse). The name 4DXpress stands for expression database in 4D. The 4D (four dimensions) of 4DXpress can be interpreted either as: 3 spatial dimensions plus time, or as 1. species 2. gene 3. developmental stage 4. anatomical structure. The major focus of this database lies in cross species comparison. The high resolution expression data was acquired through whole mount in situ hybridisation-, antibody- or transgenic experiments. Data was integrated from several species specific expression pattern databases, such as ZFIN, BDGP, GXD, MEPD as well as directly submitted by researchers of the participating groups at EMBL. The 4DXpress database is a project within the Centre for Computational Biology at EMBL. It is developed by Yannick Haudry, Thorsten Henrich and Ivica Letunic and coordinated by Thorsten Henrich. Hugo Berube is developing the 4D ArrayExpress Data Warehouse at EBI for integrating in situ data with microarray data.

Abbreviations: 4DXpress

Synonyms: 4DXpress Database

Resource Type: storage service resource, data repository, service resource, database, data or information resource

Defining Citation: [PMID:17916571](#)

Keywords: genes, anatomical structures, developmental stage, microarray data, species, bio.tools

Funding: European Molecular Biology Laboratory; Heidelberg; Germany

Resource Name: Expression Database in 4D

Resource ID: SCR_007066

Alternate IDs: nif-0000-02524, biotools:4dexpress

Alternate URLs: <https://bio.tools/4dexpress>

Record Creation Time: 20220129T080239+0000

Record Last Update: 20260805T044145+0000

Ratings and Alerts

No rating or validation information has been found for Expression Database in 4D.

No alerts have been found for Expression Database in 4D.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 1 mentions in open access literature.

Listed below are recent publications. The full list is available at [RRID](#) .

Ormestad M, et al. (2011) A comparative gene expression database for invertebrates. *EvoDevo*, 2, 17.