HDBR
ATLAS

Guide to completing the HDBR metadata spreadsheet.

Column A. Dataset name – please enter your HDBR project number e.g., **200123**.

Column B. Image name - the name of the file e.g. **11613,1,Embryo,CS23,171_arl3.ome.tiff.**

Column C. Source Name - the HDBR sample number, plus the slide and section numbers if known. e.g. **Embryo 11613, slide 171, section 2**.

	A	B	C
1	Dataset Name	Image Name	Source Name
2			

Columns D-F. For HDBR human samples these columns are always the same:

D. Homo sapiens.
E. NCBITaxon.
F. 9606.

D	E	F
Characteristics [Organism]	Term Source 1 REF	Term Source 1 Accession
Homo sapiens	NCBITaxon	9606

Column G. Please enter the stage of the sample e.g. CS19 or 12PCW.

Column H. Please enter the type of experiment, e.g. Immunohistochemistry, In Situ hybridisation, Immunofluorescence, RNAscope etc.

G	H
Characteristics [Developmental Stage]	Protocol REF

Columns I to Q are for the antibody details (if used). There are columns for 3 antibodies, please add more columns if necessary. If no antibodies were used, please leave blank.

I	J	K	L	M	N	O	P	Q
Experimental Condition [Antibody 1]	Antibody Identifier 1	Comment [Antibody 1]	Experimental Condition [Antibody 2]	Antibody Identifier 2	Comment [Antibody 2]	Experimental Condition [Antibody 3]	Antibody Identifier 3	Comment [Antibody 3]

Each antibody has 3 columns as follows:

I.   The name of the antibody e.g. ISL1.
J.   The accession number of the mRNA, e.g. NM_002202.
K.   The supplier and catalogue number of the antibody e.g. R&D Systems AF1837.

Columns R and S are for the probe details. Please add more columns if there are more than 2 probes.

R	S
Comment [Probe1]	Comment [Probe2]

For a duplex RNAScope experiment the probes would be e.g.:

R.   ACDBio 410701
S.   ACDBio 312341-C2

Columns T-Y are for the gene details. Each gene needs its Ensembl identifier and official gene symbol, which can be found at https://www.genenames.org/. For example:

T.   ENSG00000138175
U.   ARL3

There are columns for 3 genes. Please add extra columns for more genes.

T	U	V	W	X	Y
Comment [Gene Identifier 1]	Comment [Gene Symbol 1]	Comment [Gene Identifier 2]	Comment [Gene Symbol 2]	Comment [Gene Identifier 3]	Comment [Gene Symbol 3]

Column Z. Image file path. Please leave this blank. It will be completed by HDBR staff at a later date.

Z
Comment [Image File Path]

Columns AA and AB – visualisation.

AA	AB
Channels	Visualisation Method

AA. For fluorescent images please list the channels here. e.g. **1 - DAPI; 2 - ISL1; 3 - HB9; 4 - SOX2**

AB. For brightfield images please state the chromogen e.g. **DAB, Fast red** etc.

Please use column AC to describe the staining pattern in as much detail as possible. For double labelled/multichannel images, please describe each expression pattern separately.

AC
Expression Pattern Description

If you need any further guidance on completing this form, contact HDBR@ncl.ac.uk.

Thank you.