Adult LacZ IMPC_ALZ_001

Purpose

To stain adult mutant and control tissues for bacterial beta-galactosidase (LacZ) activity in order to assess the adult organ, tissue, substructure and cell type of gene expression of IKMC alleles utilizing a LacZ reporter.

Description: Adult mouse tissues are scored for presence of LacZ staining which is distinct from either nonspecific staining observed in wildtype control mice, or is too faint to score as present. Intensity of staining is not required but can be reported. Anatomical terms to localize staining to the organ, structure, substructure, or cell type will use standard mouse anatomy ontology terms.

Experimental Design

Mutants:

- **Minimum number of animals :** 1M or1F heterozygote
- Age will depend upon the logistics of each center, but all mice will be within 7 days of the age stipulated in the center-specific protocols, and all mice will be > 50 days of age;
- The tissues in the agreed parameter list will be stained and annotated for each mutant

Controls:

- A minimum of one control mouse will be stained and annotated for every 10 mutants
- The tissues in the agreed parameter list will be stained and annotated for each control

Procedure

Center-specific methods will be provided and be on file and linked to the data for each mutant line.

For each mouse, for each tissue, the scoring system will be: + (specific staining), - (no staining), NS (non-specific staining), or NA (tissue not available)

Where positive, specific, staining is found:

A. A representative image will be taken and uploaded for each mutant line. The image will have a sizing reference bar and optional center-specific watermark embedded into the image.

B. The metadata collected for each mouse will be associated with the image.

C. Each image will have a substructure field for additional annotation provided by that center.

Notes

Tables of results for each tissue from each HET or HOM mouse scored for: presence /absence/non-specific/tissue not-available as defined above.

Representative images for positive staining tissues.

Additional annotation to provide anatomical substructure & cell specificity.

Database of non-specific staining and presentation of images representative of non-specific staining.

Data QC

Quality control for each center's processes and annotation will be established by that center' s staff and published as part of their detailed protocol.

A database of control non-specific staining will be maintained by the Data Coordination Center and updated periodically to indicate the frequency of non-specific staining found in wildtype mice by each center. Representative images of non-specific staining will be linked to the data for each mutant line.

Parameters and Metadata

Adrenal gland IMPC_ALZ_001_001 | v1.2

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: adrenal

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Lower Urinary Tract IMPC_ALZ_002_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: lower_urinary_tract

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Brain IMPC_ALZ_003_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: brain

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Eye IMPC_ALZ_004_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: eye

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Heart IMPC_ALZ_005_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: heart

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Kidney IMPC_ALZ_006_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: kidney

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Liver IMPC_ALZ_007_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: liver

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Lymph Node IMPC_ALZ_008_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: lymph_node

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Mammary gland IMPC_ALZ_009_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: mammary_gland

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Ovary IMPC_ALZ_010_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: ovary

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Oviduct IMPC_ALZ_011_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: oviduct

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Skin IMPC_ALZ_012_001 | v1.1

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: skin_with_mg

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Stomach IMPC_ALZ_013_001 | v1.2

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: stomach

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Testis IMPC_ALZ_014_001 | v1.1

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: testis_epididymus

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Thymus IMPC_ALZ_015_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: thymus

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Trachea IMPC_ALZ_016_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: trachea

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Uterus IMPC_ALZ_017_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: uterus

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Large Intestine IMPC_ALZ_018_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: large_intestine

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Esophagus IMPC_ALZ_019_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: esophagus

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Spinal cord IMPC_ALZ_020_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: spinal_cord

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Thyroid gland IMPC_ALZ_021_001 | v1.1

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: thyroid

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Pituitary gland IMPC_ALZ_022_001 | v1.1

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: pituitary

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Skeletal Muscle IMPC_ALZ_023_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: skeletal_muscle

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Small Intestine IMPC_ALZ_024_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: small_intestine

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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White Adipose Tissue IMPC_ALZ_025_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: white_adipose_tissue

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Lung IMPC_ALZ_026_001 | v1.1

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: lungs

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Aorta IMPC_ALZ_027_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: aorta

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Pancreas IMPC_ALZ_028_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: pancreas

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Prostate gland IMPC_ALZ_029_001 | v1.1

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: prostate

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Spleen IMPC_ALZ_030_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: spleen

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Brainstem IMPC_ALZ_031_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: brainstem

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Cartilage tissue IMPC_ALZ_032_001 | v1.1

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: cartilage

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Cerebral Cortex IMPC_ALZ_033_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: cerebral_cortex

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Cerebellum IMPC_ALZ_034_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: cerebellum

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Hippocampus IMPC_ALZ_035_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: hippocampus

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Hypothalamus IMPC_ALZ_036_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: hypothalamus

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Olfactory Lobe IMPC_ALZ_037_001 | v1.1

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: olfactory_lobe

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Peripheral Nervous System IMPC_ALZ_038_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: peripheral_nervous_system

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Peyers Patch IMPC_ALZ_039_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: peyers_patch

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Striatum IMPC_ALZ_040_001 | v1.1

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: straiatum

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Vascular System IMPC_ALZ_041_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Description: vascular_system

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Urinary bladder IMPC_ALZ_042_001 | v1.1

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Description: urinary bladder

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Bone IMPC_ALZ_043_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Description: bone

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

Cecum IMPC_ALZ_044_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Description: cecum

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Colon IMPC_ALZ_045_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Description: colon

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Duodenum IMPC_ALZ_046_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Description: duodenum

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Ileum IMPC_ALZ_047_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Description: ileum

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Jejunum IMPC_ALZ_048_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Description: jejunum

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Gonadal fat pad IMPC_ALZ_049_001 | v1.1

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Description: adipose_gonad

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Bone Marrow IMPC_ALZ_050_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Description: bone_marrow

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Vas Deferens IMPC_ALZ_051_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Description: vas_deferens

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

---

Brown adipose tissue IMPC_ALZ_052_001 | v1.1

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Description: adipose_brown

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Mesenteric adipose tissue IMPC_ALZ_053_001 | v1.1

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Description: adipose_mesenteric

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Blood IMPC_ALZ_054_001 | v1.1

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Description: blood_smear

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

---

Diaphragm IMPC_ALZ_055_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Description: diaphragm

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

---

Gall Bladder IMPC_ALZ_056_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Description: gall_bladder

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Harderian Gland IMPC_ALZ_057_001 | v1.1

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Description: hardarian_gland

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

---

Hindlimb IMPC_ALZ_058_001 | v1.1

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Description: hind_limb

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

---

Quadriceps IMPC_ALZ_059_001 | v1.1

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Description: muscle_quad

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Parathyroid gland IMPC_ALZ_060_001 | v1.1

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Description: parathyroid

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Parotid gland IMPC_ALZ_061_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Description: parotid_gland

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

---

Penis IMPC_ALZ_062_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Description: penis

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

---

Stomach pyloric region IMPC_ALZ_063_001 | v1.1

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Description: pylorus

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

---

Chest bone IMPC_ALZ_064_001 | v1.1

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Description: ribcage

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

---

Sciatic nerve IMPC_ALZ_065_001 | v1.1

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Description: sciatic_nerve_quad

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Cranium IMPC_ALZ_066_001 | v1.1

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Description: skull

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

---

Sublingual Gland IMPC_ALZ_067_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Description: sublingual_gland

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Submandibular Gland IMPC_ALZ_068_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Description: submandibular_gland

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

---

Tongue IMPC_ALZ_069_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Description: tongue

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

---

Trigeminal V nerve IMPC_ALZ_070_001 | v1.1

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Description: trigeminal_nerve

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

---

Vagina IMPC_ALZ_071_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Description: vagina

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Vesicular Gland IMPC_ALZ_072_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Description: vesicular_gland

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

---

Mesenteric Lymph Node IMPC_ALZ_073_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Description: mesenteric_lymph_node

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Oral epithelium IMPC_ALZ_074_001 | v1.1

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Description: oral_epithelia

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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LacZ Images Section IMPC_ALZ_075_001 | v1.1

seriesMediaParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** false

Description: lacz_images_section

Increments: Minimum 1

LacZ Images Wholemount IMPC_ALZ_076_001 | v1.1

seriesMediaParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** false

Description: lacz_images_wholemount

Increments: Minimum 1

Free Ontology IMPC_ALZ_077_001 | v1.1

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** false

Description: free_ontology

Free Ontology Annotation reason IMPC_ALZ_078_001 | v1.1

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** false

Description: free_ontology_annotation_reason

Free text comment IMPC_ALZ_079_001 | v1.1

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** false

Description: free_text_comment

Microscope equipment id IMPC_ALZ_080_001 | v1.0

procedureMetadata

Req. Analysis: false **Req. Upload:** true **Is Annotated:** false

Description: microscope_equipment_id

Microscope equipment manufacturer IMPC_ALZ_081_001 | v1.1

procedureMetadata

Req. Analysis: false **Req. Upload:** true **Is Annotated:** false

Description: microscope_equipment_manufacturer

Microscope equipment model IMPC_ALZ_082_001 | v1.1

procedureMetadata

Req. Analysis: false **Req. Upload:** true **Is Annotated:** false

Description: microscope_equipment_model

Date Microscope last calibrated IMPC_ALZ_083_001 | v1.1

procedureMetadata

Req. Analysis: false **Req. Upload:** false **Is Annotated:** false

Description: date_microscope_last_calibrated

Detector equipment manufacturer IMPC_ALZ_084_001 | v1.0

procedureMetadata

Req. Analysis: false **Req. Upload:** false **Is Annotated:** false

Description: detector_equipment_manufacturer

Detector equipment model IMPC_ALZ_085_001 | v1.0

procedureMetadata

Req. Analysis: false **Req. Upload:** false **Is Annotated:** false

Description: detector_equipment_model

Objective equipment company IMPC_ALZ_086_001 | v1.0

procedureMetadata

Req. Analysis: false **Req. Upload:** false **Is Annotated:** false

Description: objective_equipment_company

Objective equipment model IMPC_ALZ_087_001 | v1.0

procedureMetadata

Req. Analysis: false **Req. Upload:** false **Is Annotated:** false

Description: objective_equipment_model

Objective magnification IMPC_ALZ_088_001 | v1.0

procedureMetadata

Req. Analysis: false **Req. Upload:** false **Is Annotated:** false

Description: objective_magnification

Illumination source manufacturer IMPC_ALZ_089_001 | v1.0

procedureMetadata

Req. Analysis: false **Req. Upload:** false **Is Annotated:** false

Description: illumination_source_manufacturer

Illumination source model IMPC_ALZ_090_001 | v1.0

procedureMetadata

Req. Analysis: false **Req. Upload:** false **Is Annotated:** false

Description: illumination_source_model

Sample preparation stain name IMPC_ALZ_091_001 | v1.1

procedureMetadata

Req. Analysis: false **Req. Upload:** true **Is Annotated:** false

Description: sample_preparation_stain_name

Sample preparation reference impc IMPC_ALZ_092_001 | v1.1

procedureMetadata

Req. Analysis: false **Req. Upload:** true **Is Annotated:** false

Description: sample_preparation_reference_impc

Bit Depth IMPC_ALZ_093_001 | v1.0

procedureMetadata

Req. Analysis: false **Req. Upload:** false **Is Annotated:** false

Description: bit_depth

Colorspace IMPC_ALZ_094_001 | v1.0

procedureMetadata

Req. Analysis: false **Req. Upload:** false **Is Annotated:** false

Description: colorspace

Experimental category IMPC_ALZ_095_001 | v1.0

procedureMetadata

Req. Analysis: false **Req. Upload:** false **Is Annotated:** false

Description: experimental_category

Orientation IMPC_ALZ_096_001 | v1.0

procedureMetadata

Req. Analysis: false **Req. Upload:** false **Is Annotated:** false

Description: orientation

Pixels per millimeter before processing IMPC_ALZ_097_001 | v1.0

procedureMetadata

Req. Analysis: false **Req. Upload:** false **Is Annotated:** false

Description: pixels_per_millimeter_before_processing

Pixels per millimeter after processing IMPC_ALZ_098_001 | v1.1

procedureMetadata

Req. Analysis: false **Req. Upload:** true **Is Annotated:** false

Description: pixels_per_millimeter_after_processing

Showcase image IMPC_ALZ_099_001 | v1.0

procedureMetadata

Req. Analysis: false **Req. Upload:** false **Is Annotated:** false

Description: showcase_image

Date of Sacrifice IMPC_ALZ_100_001 | v1.1

procedureMetadata

Req. Analysis: false **Req. Upload:** true **Is Annotated:** false

Description: date_of_sacrifice

Date of Perfusion IMPC_ALZ_101_001 | v1.2

procedureMetadata

Req. Analysis: false **Req. Upload:** false **Is Annotated:** false

Description: date_of_perfusion

Epididymis IMPC_ALZ_102_001 | v1.2

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: imageOnly, expression, no expression, ambiguous, tissue not available,

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Main olfactory bulb IMPC_ALZ_103_001 | v1.1

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: expression, no expression, ambiguous, imageOnly, tissue not available,

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Midbrain IMPC_ALZ_104_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: expression, no expression, ambiguous, imageOnly, tissue not available,

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Thalamus IMPC_ALZ_105_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: expression, no expression, ambiguous, imageOnly, tissue not available,

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