

Resource Summary Report

Generated by [RRID](#) on Jul 31, 2026

[smob577/+ \(AB\)](#)

RRID:ZIRC_ZL51

Type: Organism

Proper Citation

RRID:ZIRC_ZL51

Organism Information

URL:

http://zebrafish.org/fish/lineAll.php?t=ZIRC_Catalog_ID&sverb=exactly+matching&c=ZL51

Proper Citation: RRID:ZIRC_ZL51

Description: Danio rerio with name from ZIRC.

Species: Danio rerio

Notes: Allele with one point mutation

Phenotype: adenohypophyseal placode, anterior commissure, anterior macula, atrium, axon guidance, brain, cardiac ventricle, caudal commissure, caudal fin, cell death, cell population proliferation, cellular senescence, cerebellum, cleithrum, commissural neuron axon guidance, common cardinal vein, cranial nerve II, diencephalon development, dopaminergic neuron, embryo development, endocardium development, endocrine cell, eye, fast muscle cell, floor plate, floor plate development, floor plate formation, forebrain, forebrain dorsal/ventral pattern formation, head, heart, heart primordium, hindbrain, inner ear, inner ear development, inner ear morphogenesis, intestine, Kupffer's vesicle, lapillus, lateral floor plate, liver, liver development, macula, mandibular arch skeleton, medial floor plate, mesothelial cell, midbrain, midbrain hindbrain boundary, muscle cell differentiation, muscle pioneer, myoseptum, myotome, nervous system, oligodendrocyte development, oligodendrocyte differentiation, optic chiasm, optic stalk, otolith, pancreas, pancreas development, pancreas primordium, pars superior ear, pectoral fin, pericardium, pharyngeal arch 3-7, pharyngeal arch 3-7 skeleton, pillar of the anterior semicircular canal, positive regulation of DNA-templated transcription, posterior macula, postoptic commissure, post-vent region, primary motor neuron, proctodeum, retina development in camera-type eye, retinal ganglion cell, Rohon-Beard neuron, roof plate spinal cord region, sagitta, secondary motor neuron, segmental plate, sensory neuron, sensory system, skeletal muscle tissue development, slow muscle cell, smoothened signaling pathway, smooth muscle, somite, spinal cord, supraoptic commissure, surface structure, swim bladder, swim bladder development, swim bladder formation, tela chorioidea, trunk,

vasculogenesis, ventral mesenchyme, ventral thalamus, ventricular system, whole organism, yolk adenohypophyseal placode, anterior commissure (all 101)

Affected Gene: smob577/+ (AB)

Genomic Alteration: b577

Catalog Number: ZL51

Background: AB

Database: Zebrafish Lines at ZIRC

Database Abbreviation: ZIRC

Availability: frozen

Organism Name: smob577/+ (AB)

Record Creation Time: 20230308T015231+0000

Record Last Update: 20260725T182855+0000

Ratings and Alerts

No rating or validation information has been found for smob577/+ (AB).

No alerts have been found for smob577/+ (AB).

Data and Source Information

Source: [Integrated Animals](#)

Source Database: Zebrafish Lines at ZIRC

Usage and Citation Metrics

We have not found any literature mentions for this resource.