The influence of hypoxia on GATA-1 and Epo expression levels in developing zebrafish



Filesize: 2.72 MB

Reviews

Simply no phrases to spell out. It is probably the most remarkable pdf i have got read through. I am delighted to inform you that this is actually the greatest publication i have got read within my very own existence and can be he very best book for actually.

(Demarcus Ullrich)

THE INFLUENCE OF HYPOXIA ON GATA-1 AND EPO EXPRESSION LEVELS IN DEVELOPING ZEBRAFISH



GRIN Verlag Jan 2008, 2008. Taschenbuch. Book Condition: Neu. 211x146x7 mm. This item is printed on demand - Print on Demand Neuware - Master's Thesis from the year 2007 in the subject Biology - Zoology, printed single-sided, grade: 1,0, University of Innsbruck (Zoologie), 90 entries in the bibliography, language: English, abstract: The transcription factor GATA-1 is essential for the development of the erythroid cell lineage in vertebrates. In this article we introduce a method to easily determine the approximately development status of red blood cells and the progression of blood formation by intensity of fluorescence in GATA-1/Ds-Red marked zebrafish. We classified the blood cells on the basis of their fluorescence intensity in 5 intensity stages (IS) with the brightest in IS 1. The comparison with our erythropoietin (Epo) data showed a noticable correlation between GATA-1, Epo mRNA and EPO protein level. Between 2 and 3 dpf we observed a major increase in blood cell concentration to circa 1200 cells nl-1, until 15 dpf this value decreased to about the half. The appearance of IS 1 cells correspond approximately to the peaks in Epo cRNA copies and the highest values in EPO protein emerged about 1 day later. Our data show that the blood cell concentration, Epo and Gata-1 expression in zebrafish larvae is subjected to large fluctuations in the first few days of development. 40 pp. Englisch.

- Read The influence of hypoxia on GATA-1 and Epo expression levels in developing zebrafish Online
- Download PDF The influence of hypoxia on GATA-1 and Epo expression levels in developing zebrafish

You May Also Like



Psychologisches Testverfahren

Reference Series Books LLC Nov 2011, 2011. Taschenbuch. Book Condition: Neu. 249x191x7 mm. This item is printed on demand - Print on Demand Neuware - Quelle: Wikipedia. Seiten: 100. Kapitel: Myers-Briggs-Typindikator, Keirsey Temperament Sorter, DISG,...

Read Book »



Programming in D

Ali Cehreli Dez 2015, 2015. Buch. Book Condition: Neu. 264x182x53 mm. This item is printed on demand - Print on Demand Neuware - The main aim of this book is to teach D to readers...

Read Book »



Grandpa Spanielson's Chicken Pox Stories: Story #1: The Octopus (I Can Read Book 2)

HarperCollins, 2005. Book Condition: New. Brand New, Unread Copy in Perfect Condition. A+Customer Service! Summary: Foreword by Raph Koster. Introduction. I. EXECUTIVE CONSIDERATIONS. 1. The Market. Do We Enter the Market? Basic Considerations. How...

Read Book »



Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselues By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1624-1625) (Paperback)

Proquest, Eebo Editions, United States, 2010. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book ***** Print on Demand *****. EARLY HISTORY OF RELIGION. Imagine holding history in your hands. Now...

Read Book »



Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselues By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1625) (Paperback)

Proquest, Eebo Editions, United States, 2010. Paperback. Book Condition: New. 246 x 189 mm. Language: English Brand New Book ***** Print on Demand *****. EARLY HISTORY OF RELIGION. Imagine holding history in your hands. Now you...

Read Book »