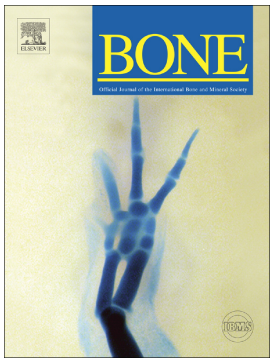
Accepted Manuscript



Transcriptional profiling of murine osteoblast differentiation based on RNA-seq expression analyses

Layal Abo Khayal, Johannes Grünhagen, Ivo Provazník, Stefan Mundlos, Uwe Kornak, Peter N. Robinson, Claus-Eric Ott

PII: S8756-3282(18)30152-2
DOI: doi:10.1016/j.bone.2018.04.006
Reference: BON 11617

To appear in: *Bone*

Received date: 21 November 2017
Revised date: 3 March 2018
Accepted date: 9 April 2018

Please cite this article as: Layal Abo Khayal, Johannes Grünhagen, Ivo Provazník, Stefan Mundlos, Uwe Kornak, Peter N. Robinson, Claus-Eric Ott , Transcriptional profiling of murine osteoblast differentiation based on RNA-seq expression analyses. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Bon(2017), doi:10.1016/j.bone.2018.04.006

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Transcriptional Profiling of Murine Osteoblast Differentiation based on RNA-seq Expression Analyses

Layal Abo Khayal[1,2], Johannes Grünhagen[1], Ivo Provazník[2,3], Stefan Mundlos[1,4], Uwe Kornak[1,4], Peter N Robinson[1,5], Claus-Eric Ott[1,4,*]

Affiliations

1.) Institute for Medical Genetics and Human Genetics, Charité – Universitätsmedizin Berlin, corporate member of Freie Universität Berlin, Humboldt-Universität zu Berlin, and Berlin Institute of Health, Berlin, Germany.

2.) Department of Biomedical Engineering, Faculty of Electrical Engineering and Communication, Brno University of Technology, Brno, Czech Republic.

3.) International Clinical Research Center – Center of Biomedical Engineering, St. Anne's University Hospital Brno, Brno, Czech Republic.

4.) Research Group Development and Disease, Max Planck Institute for Molecular Genetics, Berlin, Germany.

5.) The Jackson Laboratory for Genomic Medicine, 10 Discovery Drive, Farmington, CT 06032, USA.

* Corresponding author

Funding: This work was supported by the Deutsche Forschungsgemeinschaft (DFG) grant number MU880/11-01. LAK received funding from BMBF 031A427C (SMART). UK and PNR received funding from FP7-EU grant agreement no. 602300 (SYBIL).

Correspondence should be addressed to C.E.O. (claus-eric.ott@charite.de)

Dr. med. Claus-Eric Ott, Institute for Medical Genetics and Human Genetics, Charité – Universitätsmedizin Berlin, Campus Virchow Klinikum, Augustenburgerplatz 1, 13353 Berlin, Germany. E-mail: claus-eric.ott@charite.de

Running Title: RNA-seq Analyses in Osteoblast Differentiation

Key words: Bone cells; RNAseq; non-coding RNA; topological domains; alternative splicing.

Conflict of Interest: The authors state that no competing financial interests exist.

Additional Supporting Information may be found in the online version of this article.

Download English Version:

https://daneshyari.com/en/article/8624832

Download Persian Version:

https://daneshyari.com/article/8624832

Daneshyari.com