

Author's Accepted Manuscript

Bioluminescent SNP genotyping technique:
development and application for detection of
melanocortin 1 receptor gene polymorphisms

Eugenia E. Bashmakova, Vasilisa V. Krasitskaya,
Alexander A. Bondar, Ekaterina N. Eremina,
Eugene V. Slepov, Ruslan A. Zukov, Ludmila A.
Frank



www.elsevier.com/locate/talanta

PII: S0039-9140(18)30661-1
DOI: <https://doi.org/10.1016/j.talanta.2018.06.057>
Reference: TAL18799

To appear in: *Talanta*

Received date: 7 February 2018
Revised date: 14 June 2018
Accepted date: 16 June 2018

Cite this article as: Eugenia E. Bashmakova, Vasilisa V. Krasitskaya, Alexander A. Bondar, Ekaterina N. Eremina, Eugene V. Slepov, Ruslan A. Zukov and Ludmila A. Frank, Bioluminescent SNP genotyping technique: development and application for detection of melanocortin 1 receptor gene polymorphisms, *Talanta*, <https://doi.org/10.1016/j.talanta.2018.06.057>

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 galley proof before it is published in its final citable 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

Bioluminescent SNP genotyping technique: development and application for detection of melanocortin 1 receptor gene polymorphisms

Eugenia E. Bashmakova^{a,b,c*}, Vasilisa V. Krasitskaya^b, Alexander A. Bondar^d, Ekaterina N. Eremina^{e,f}, Eugene V. Slepov^{a,f}, Ruslan A. Zukov^{e,f}, Ludmila A. Frank^{a,b,c}

^aSiberian Federal University, Svobodny pr. 79, 660041 Krasnoyarsk, Russia;

^bInstitute of Biophysics SB RAS, Federal Research Center "Krasnoyarsk Science Center SB RAS", Akademgorodok 50/50, 660036, Krasnoyarsk, Russia;

^cBlokhin Cancer Research Center, Moscow, Russian Academy of Medical Sciences, Kashirskoye Shosse 24, 115478, Moscow, Russia;

^dInstitute of Chemical Biology and Fundamental Medicine, SB RAS, Novosibirsk Lavrentiev Avenue 8, 630090, Novosibirsk, Russia;

^eState Medical University named after V.F. Voyno-Yasenetsky, Partizana Zheleznyaka St. 1, 660022, Krasnoyarsk, Russia;

^fRegional Clinical Oncology Center named after A.I. Kryzhanovsky, 1 Smolenskaya Str.16, 660133, Krasnoyarsk, Russia

***Corresponding author.** Bashmakova Eugenia Institute of Biophysics SB RAS, Federal Research Center "Krasnoyarsk Science Center SB RAS", Krasnoyarsk, Akademgorodok 50/50, 660036 Russia Tel.: 8(391)249-44-30; fax: 8(391)290-54-90. jeyn_a@bk.ru

Abstract

SNP genotyping based on the reaction of specific primer extension with the following bioluminescent detection of its products was shown to be potentially applicable for biomedical exploration. The paper describes its elaboration and first application in extensive biomedical

Download English Version:

<https://daneshyari.com/en/article/7675235>

Download Persian Version:

<https://daneshyari.com/article/7675235>

[Daneshyari.com](https://daneshyari.com)