### Accepted Manuscript

Resolving biomolecular motion and interactions by R  $_2$  and R  $_{1\rho}$  Relaxation Dispersion NMR

Erik Walinda, Daichi Morimoto, Kenji Sugase

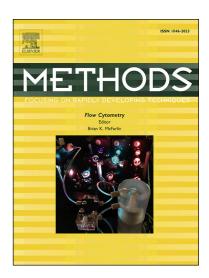
PII: S1046-2023(18)30007-0

DOI: https://doi.org/10.1016/j.ymeth.2018.04.026

Reference: YMETH 4463

To appear in: *Methods* 

Received Date: 1 March 2018 Revised Date: 18 April 2018 Accepted Date: 20 April 2018



Please cite this article as: E. Walinda, D. Morimoto, K. Sugase, Resolving biomolecular motion and interactions by  $R_2$  and  $R_{1p}$  Relaxation Dispersion NMR, *Methods* (2018), doi: https://doi.org/10.1016/j.ymeth.2018.04.026

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**

# Resolving biomolecular motion and interactions by $R_2$ and $R_{1\rho}$ Relaxation Dispersion NMR

Erik Walinda<sup>1</sup>, Daichi Morimoto<sup>2</sup>, and Kenji Sugase<sup>2</sup>

<sup>1</sup> Department of Molecular and Cellular Physiology, Graduate School of Medicine, Kyoto University, Yoshida Konoe-cho, Sakyo-Ku, Kyoto 606-8501, Japan

<sup>2</sup> Department of Molecular Engineering, Graduate School of Engineering, Kyoto University, Kyoto-Daigaku Katsura, Nishikyo-Ku, Kyoto 615-8510, Japan

Author for correspondence: Kenji Sugase, sugase@moleng.kyoto-u.ac.jp

- 8 figures
- 4 tables
- ~ 11100 words

Keywords: NMR Spectroscopy, Protein dynamics, DNA/RNA dynamics, Chemical exchange, Conformational exchange, Biomolecular interactions, Relaxation Dispersion

#### Download English Version:

# https://daneshyari.com/en/article/8961929

Download Persian Version:

https://daneshyari.com/article/8961929

<u>Daneshyari.com</u>