## Accepted Manuscript

Enzymatic reaction sites on a plane formed with four exon-junctions

Nosaka Michiko, Budi Setyawan, Syunya Sunaba-Mitsumasu

 PII:
 S0022-5193(18)30384-9

 DOI:
 https://doi.org/10.1016/j.jtbi.2018.08.011

 Reference:
 YJTBI 9576



To appear in:

Journal of Theoretical Biology

Received date:8 May 2018Revised date:2 August 2018Accepted date:6 August 2018

Please cite this article as: Nosaka Michiko, Budi Setyawan, Syunya Sunaba-Mitsumasu, Enzymatic reaction sites on a plane formed with four exon-junctions, *Journal of Theoretical Biology* (2018), doi: https://doi.org/10.1016/j.jtbi.2018.08.011

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

NAT

## Highlight

, Ç

- A plane formed with 4 exon-junctions includes 96% of ligand-atoms of the transferase.
- This probability to occur by chance is lower than 0.5%.
- We conjecture that on this plane enzymatic reactions take place.
- Another plane contains most atoms of coenzyme-ligating residue in ligand-free state.
- Two planes could be formed by chance but the ligand could not locate in the planes.

Download English Version:

## https://daneshyari.com/en/article/10138664

Download Persian Version:

https://daneshyari.com/article/10138664

Daneshyari.com