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Information about the contributions of each person named as having participated in the study

1) Guarantor(s), i.e., person(s) who is (are) responsible for the integrity of the work as a whole:

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2) Authors who participated in the **conception of the study**: Akihiro Tomita

3) **Design & Methods**. The following authors were responsible for specific investigations (please detail):

- Akihiro Tomita was totally designed these analyses and wrote this manuscript.
- Takumi Sugimoto was responsible for performing the analyses in Figure 1C, D, Figure 2C, E, and F. He was also critically read and write this manuscript.
- Akihiro Abe was responsible for performing 3'-RACE analysis, and contribute to design the concept in this manuscript.
- Chisako Iriyama was responsible for performing the analyses in Figure 2A, B, and D.
- Hitoshi Kiyoi and Tomoki Naoe contributed to design the research concept. They were also critically read this manuscript and added many suggestion.

4) **Results**. The following authors were responsible for specific portions of the results, including figures and tables (please indicate the person responsible for each figure and each table):

- Takumi Sugimoto was responsible for performing the analyses in Figure 1C, D, Figure 2C, E, and F.
- Chisako Iriyama was responsible for performing the analyses in Figure 2A, B, and D.
- Akihiro Tomita arranged all the data as Figures.

5) **Writing the manuscript**. The following authors were responsible for writing the manuscript:

- Akihiro Tomita wrote this manuscript.
- Takumi Sugimoto critically read and write this manuscript.
- Hitoshi Kiyoi and Tomoki Naoe were also critically read this manuscript and added many suggestion.

6) **Contributors Listed in Acknowledgments**:

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