

**Insights into the quality of recombinant proteins
produced by two different *Bombyx mori* expression systems**

Supplementary Data File

Hiroyuki Kajiura^{1,2,†}, Ken-ichiro Tatematsu^{3,†}, Tsuyoshi Nomura^{4,†}, Mitsuhiro Miyazawa⁵, Akihiro Usami⁴, Toshiki Tamura⁶, Hideki Sezutsu³, Kazuhito Fujiyama^{1,2,7*}

¹International Center for Biotechnology, Osaka University, 2-1 Yamada-oka, Suita-shi, Osaka, 565-0871, Japan

²Institute for Open and Transdisciplinary Research Initiatives (OTRI), Osaka University, 2-1 Yamada-oka, Suita-shi, Osaka 565-0871, Japan

³Division of Silk-Producing Insect Biotechnology, Institute of Agrobiological Sciences, National Agriculture and Food Research Organization, 1-2 Owashi, Tsukuba, Ibaraki 305-8634, Japan

⁴Sysmex Corporation, 1548 Ooaza Shimookudomi, Sayama, Saitama 350-1332, Japan

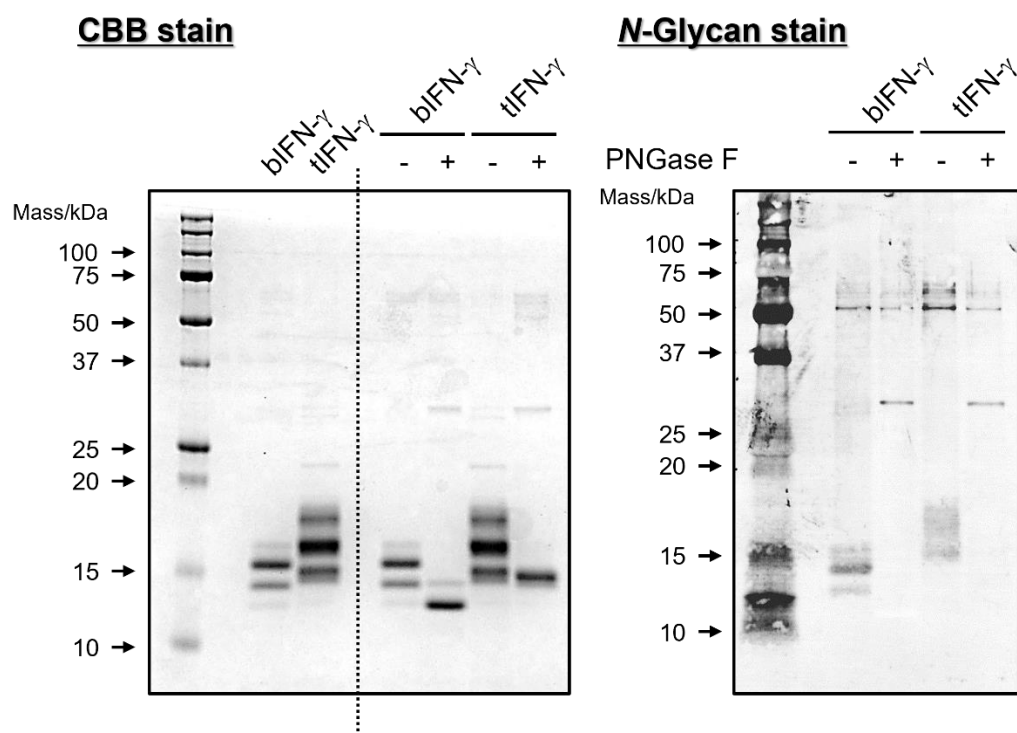
⁵Division of Biomaterial Sciences, Institute of Agrobiological Sciences, National Agriculture and Food Research Organization, 1-2 Owashi, Tsukuba, Ibaraki 305-8634, Japan

⁶Silk Science and Technology Research Institute, 1053, Iikura, Ami-machi, Ibaraki, 300-0324, Japan

⁷Osaka University Cooperative Research Station in Southeast Asia (OU:CRS), Faculty of Science, Mahidol University, Bangkok, Thailand

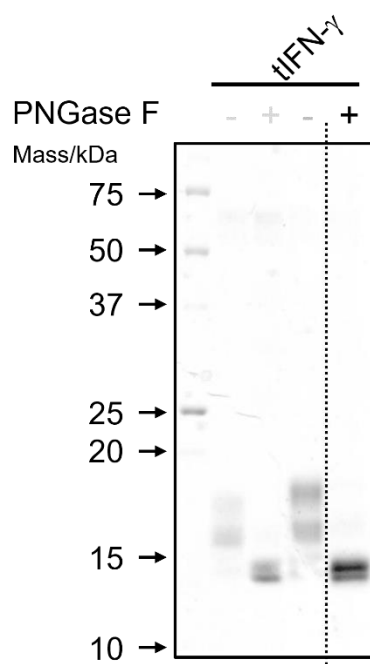
†: These authors equally contributed to this work.

*Correspondence should be addressed to K.F. (fujiyama@icb.osaka-u.ac.jp)



Supplementary Data File 1 Original figures of CBB staining and *N*-glycan staining.

Of the figure divided by the dotted line of CBB staining, the left side was used for Fig. 1b and Fig. 2, and the right side was used for Fig. 1c. *N*-Glycan staining result was cropped to remove unnecessary region and was used for Fig. 1c.



Supplementary Data File 2 Original figure of de-glycosylated tIFN- γ

Two different concentrations of purified tIFN- γ were separated by SDS-PAGE, followed by CBB staining. Of the figure divided by the dotted line, the right side was used for Fig. 5a.