



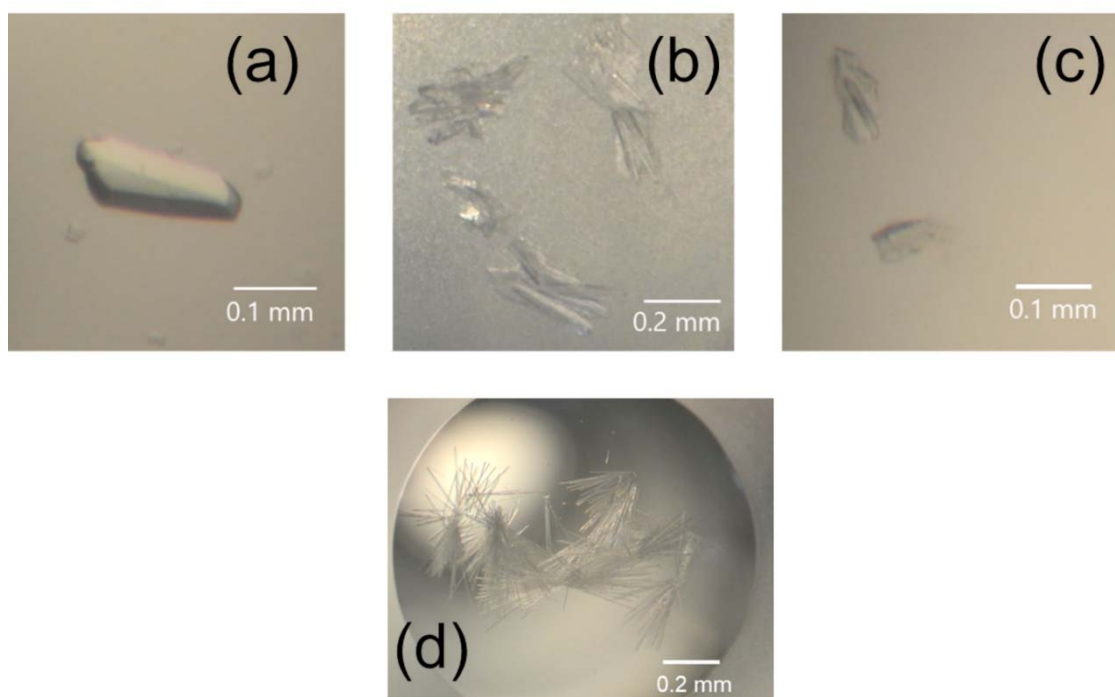
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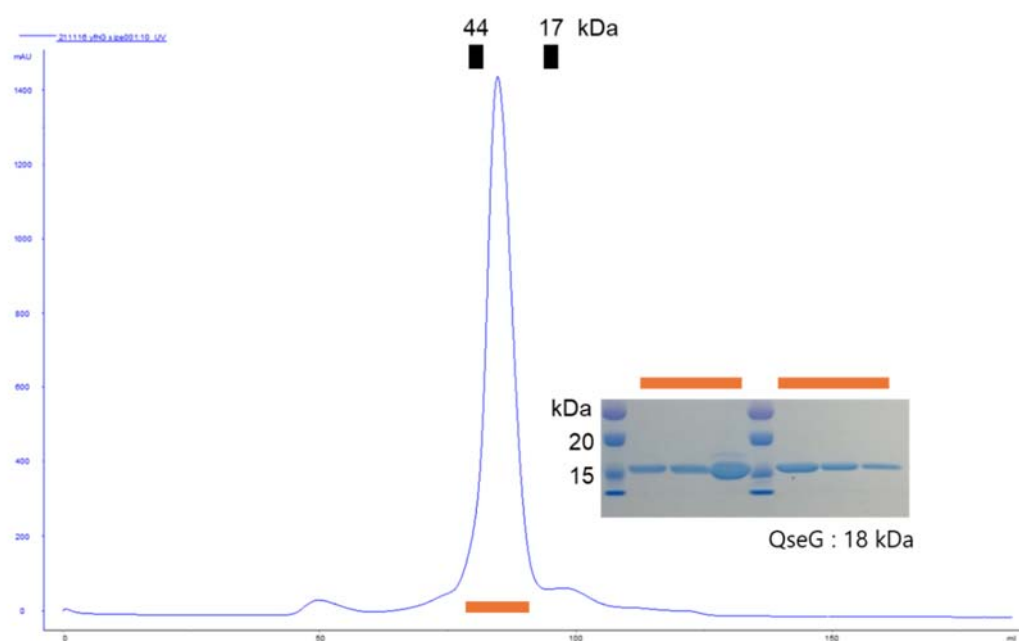
**Supporting information for article:**

**Crystal structures of QseE and QseG: elements of three-  
component system from *Escherichia coli***

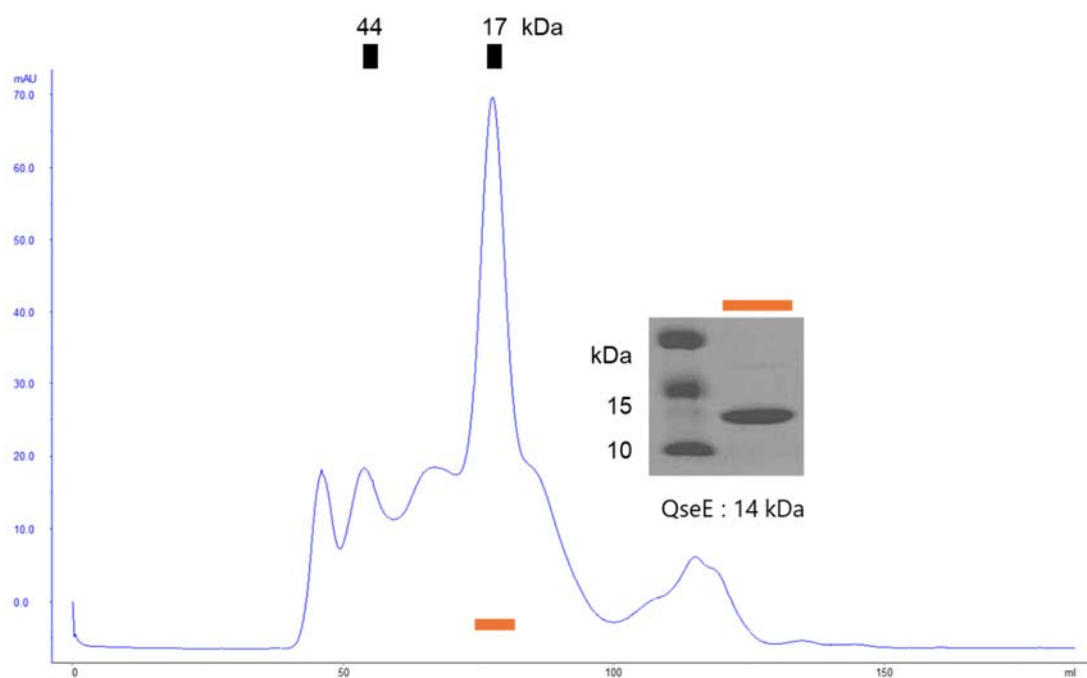
**Koki Matsumoto, Yohta Fukuda and Tsuyoshi Inoue**



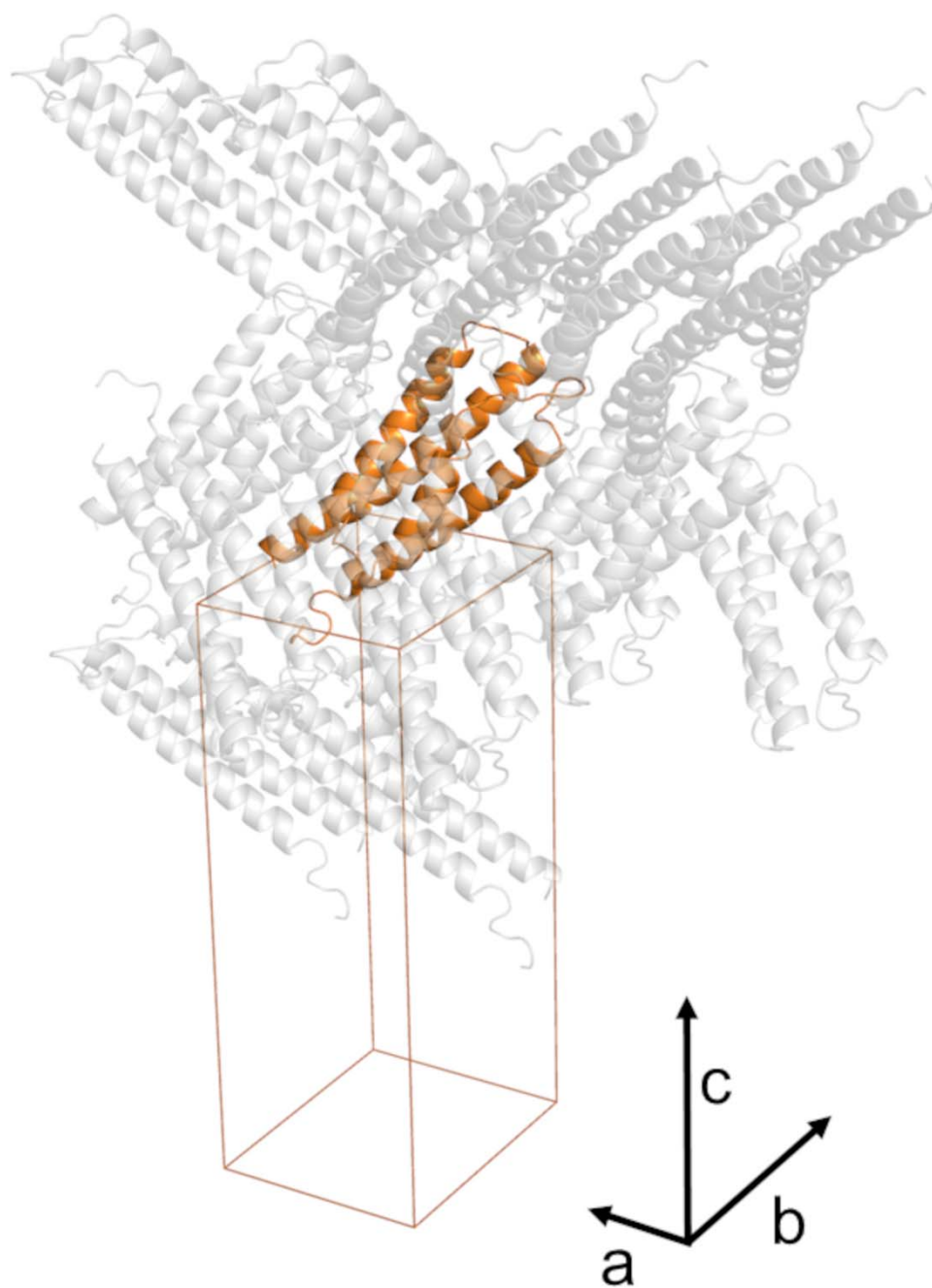
**Figure S1** Crystals obtained in this study. (a) A crystal of QseG obtained from crystallization condition 1. (b) Crystals of QseG obtained from crystallization condition 2 (c) Crystals of QseG obtained from crystallization condition 3. (d) Crystals of QseE used for structural analysis.



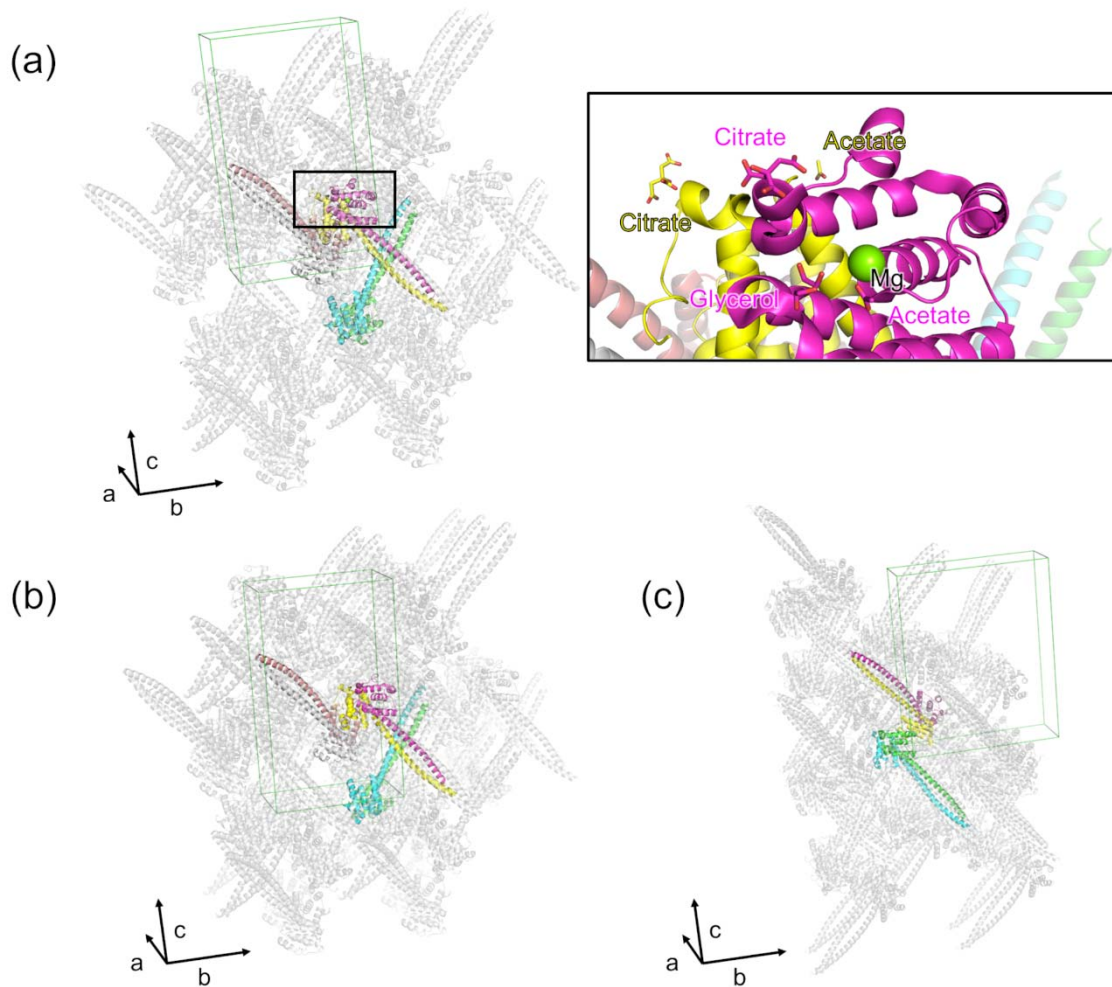
**Figure S2** The result of size exclusion chromatography of QseG. The result of SDS-PAGE is also shown.



**Figure S3** The result of size exclusion chromatography of QseE. The result of SDS-PAGE is also shown.



**Figure S4** Asymmetric unit of QseE (orange). Symmetry molecules (white) were generated by symmetry operation (“+/- one unit cell and within 12 Å” was selected from PyMOL GUI).



**Figure S5** Asymmetric unit of QseG (colored). Symmetry molecules (white) were generated by symmetry operation (“+/- one unit cell and within 12 Å” was selected from PyMOL GUI).

(a) Crystal condition 1. In this crystal structure, some components of the crystallization solution were observed on the protein surface (inset). Because QseG has the positively charged surface on the globular part, negatively charged molecules (citrate and acetate) were observed around there. (b) Crystal condition 2. (c) Crystal condition 3.