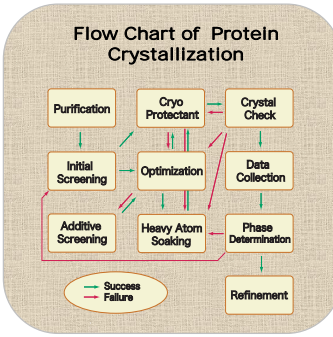


Abstract

- The success rate of the crystallization of *T. thermophilus* HB8 proteins, which we tried over 90 days, was 88%.
- Of proteins of *T. thermophilus* HB8, over 40% are considered to have a capability to give structures.



Crystallization Team

- S. Iba (Assistant)
- T. Arima (Crystallization)
- M. Kakei (Crystallization)
- T. Nagira (Crystallization)
- Y. Agari (Database)
- S. Kira (Database)
- S. Sato (Measure & Analysis)
- M. Kanagawa (Measure & Analysis)
- H. Yanai (Measure & Analysis)
- T. Imagawa (Measure & Analysis)
- A. Ebihara (Measure & Analysis)
- Y. Kosumi (Measure & Analysis)
- Y. Kitamura (Measure & Analysis)
- H. Iino (Measure & Analysis)



Progress of Crystallization

No.	S/N	Progress Days	Initial Screen	Optimization	Diffraction	Signal Data Set	H.A. Soaking	MAD Data Set	Phase Det.	PDB
1	Se-Met	766								
2	Se-Met	749		Stop						
3	Se-Met	736								
4	Se-Met	594								
5	Se-Met	413	Stop							
6	Se-Met	366								
7	Se-Met	353								
8	Se-Met	315								
9	Se-Met	244								
10	Se-Met	231								
11	Se-Met	203								
12	Se-Met	192								
13	Se-Met	191								
14	Se-Met	191								
15	Se-Met	190								
16	Se-Met	188								
17	Se-Met	181								
18	Se-Met	153								
19	Se-Met	153								
20	Se-Met	149								
21	Se-Met	148								
22	Se-Met	147								
23	Se-Met	147								
24	Se-Met	146								
25	Se-Met	131								
26	Se-Met	121								
27	Se-Met	115								
28	Se-Met	115								
29	Se-Met	114								
30	Se-Met	112								
31	Se-Met	111								
32	Se-Met	106								
33	Se-Met	105								
34	Se-Met	105								
35	Se-Met	104								
36	Se-Met	104								
37	Se-Met	100								
38	Se-Met	97								
39	Se-Met	94								
40	Se-Met	94								
41	Se-Met	93								
42	Se-Met	87	Stop							
43	Se-Met	85								
44	Se-Met	78								
45	Se-Met	78								
46	Se-Met	65								
47	Se-Met	65								
48	Se-Met	65								
49	Se-Met	65								
50	Se-Met	58								
51	Se-Met	52								
52	Se-Met	52								
53	Se-Met	50								
54	Se-Met	48								
55	Se-Met	48								
56	Se-Met	48								
57	Se-Met	44								
58	Se-Met	44								
59	Se-Met	42								
60	Se-Met	38								
61	Se-Met	36								
62	Se-Met	30								
63	Se-Met	27								
64	Se-Met	27								
65	Se-Met	24								
66	Se-Met	24								
67	Se-Met	24								
68	Se-Met	20								
69	Se-Met	16								
70	Se-Met	16								
71	Se-Met	9								
72	Se-Met	6								
73	Se-Met	3								
74	Se-Met	2								
75	Native	771								
76	Native	737								
77	Native	722								
78	Native	415								
79	Native	369								
80	Native	345								
81	Native	336								
82	Native	331								
83	Native	322								
84	Native	314								
85	Native	265								
86	Native	240	Stop							
87	Native	223								
88	Native	219								
89	Native	219								
90	Native	217								
91	Native	213								
92	Native	206								
93	Native	192								
94	Native	185								
95	Native	132								
96	Native	107								
97	Native	99								
98	Native	94								
99	Native	93								
100	Native	93								
101	Native	91								
102	Native	90								
103	Native	87								
104	Native	87								
105	Native	86								
106	Native	83								
107	Native	79								
108	Native	79								
109	Native	76								
110	Native	69								
111	Native	64								
112	Native	52								
113	Native	43								
114	Native	24								
115	Native	21								
116	Native	21								
117	Native	21								
118	Native	13								
119	Native	9								
120	Native	3								
121	Native	2								
122	Native	1								

S-Met Samples

> 90 Days

Native Samples

> 90 Days

