

Supplementary Table SI. Data collection and phasing statistics of the Ecl18kI-DNA selenomethionine variant and bromide soak.

Data set	Selenomethionine		Potassium bromide soak			
Space group	P2 ₁ 2 ₁ 2 ₁		P2 ₁ 2 ₁ 2 ₁			
a (Å)	78.25		78.71			
b (Å)	96.62		96.56			
c (Å)	192.28		192.69			
Wavelength	0.9792	0.9795	0.9000	0.9185	0.9200	1.0500
Total reflections	321 874	323 398	386 433	388 657	390 086	384 793
Unique reflections	42 112	42 232	158 858	159 381	159 548	158 113
Resolution range (Å)	20.0 – 3.3	20.0 – 3.3	20.0 – 2.1	20.0 – 2.1	20.0 – 2.1	20.0 – 2.1
Completeness (%) (last shell)	99.8 (100)	99.9 (100)	95.9 (92.1)	96.4 (93.5)	96.3 (93.4)	95.3 (90.0)
I/σ (last shell)	28.9 (13.3)	27.4 (11.7)	16.3 (1.9)	16.2 (2.0)	18.6 (2.6)	19.9 (2.9)
R(sym) (%) (last shell)	7.6 (16.0)	7.9 (18.0)	5.1 (47.2)	5.2 (45.3)	4.3 (35.7)	4.0 (34.5)
FOM after MLPHARE	0.58 (20.0 – 3.5 Å)			0.35 (20.0 – 2.3 Å)		
FOM after SIGMAA	0.39 (20.0 – 2.3 Å)					