

Table S2 Summary of crystallography analysis.

Data set	RGF1-RGFR1 ^{LRR}	RGF2-RGFR1 ^{LRR}	RGF3-RGFR1 ^{LRR}	RGF5-RGFR1 ^{LRR}
Wavelength (Å)	1.000	1.000	1.000	1.000
Resolution (Å)	99.0-2.6 (2.64-2.6)	99.0-2.55(2.59-2.55)	99.0-2.6 (2.64-2.6)	99.0-2.86 (2.91-2.86)
Space group	R3	R3	R3	R3
a, b, c (Å)	182.3,182.3, 87.4	181.0,181.0, 88.0	183.5,183.5, 87.6	179.2,179.2, 88.4
α, β, γ (°)	90.0, 90.0, 120.0	90.0, 90.0, 120.0	90.0, 90.0, 120.0	90.0, 90.0, 120.0
Unique reflections	33,085(1,666)	33,781(1,773)	33,847(1,444)	22,741(1,215)
Completeness	98.8 (100.0)	96.9% (100.0%)	99.1%(87.8%)	93.0%(100.0%)
Rsym (%)	8.6(52.8)	7.1(44.8)	8.8(58.3)	8.4(40.5)
redundancy	4.7(4.7)	5.4(5.7)	5.2(3.9)	5.3(5.7)
I/δ	19.5(4.5)	14.5(4.7)	31.8(2.7)	13.4(5.2)
Statistics for refinement				
Resolution (Å)	99.0-2.6 (2.67-2.6)	99.0-2.55	99.0-2.6	99.0-2.86
	33,048(2,752)	(2.63-2.55)	(2.67-2.6)	(2.99-2.86)
No. of RFs		33,751(2,931)	33,780(2,629)	22,723(3,040)
Completeness	98.7%	97.1%	98.9%	93.0%
Rwork/Rfree	19.1 (23.3)/	21.9(26.2)/	21.7(25.2)/	22.9(29.4)/
(%)	24.7(35.1)	24.2(26.3)	26.0(32.7)	23.6(32.5)
R.m.s.d				
Bond (degree)	1.421	1.485	1.477	1.485
length (Å)	0.008	0.008	0.009	0.008
Ramachandran	Favored: 96.51%	Favored: 95.56%	Favored: 96.2%	Favored: 94.47%
Plot	Allowed: 3.33%	Allowed: 4.44%	Allowed: 3.8%	Allowed: 5.21%
	Outliers: 0.16%	Outliers: 0.0%	Outliers: 0.0%	Outliers: 0.32%

RF: Reflection

$R_{\text{sym}} = \frac{\sum_h \sum_i |I_{h,i} - I_h|}{\sum_h \sum_i I_{h,i}}$, where I_h is the mean intensity of the i observations of symmetry related reflections of h .

$R = \frac{\sum |F_{\text{obs}} - F_{\text{calc}}|}{\sum F_{\text{obs}}}$, where $F_{\text{obs}} = F_p$, and F_{calc} is the calculated protein structure factor from the atomic model.

R.m.s.d. in bond lengths and angles are the deviations from ideal values.