Supporting information

Supplementary Tables: X-ray diffraction data statistics of all the lysozyme crystals obtained under different simulated-gravities in a large gradient magnetic field and outside the magnet which can be processed by HKL-2000 software package. The data in each table including the result of three times repeated experiment.

Table S1 X-ray diffraction data statistics of lysozyme crystals obtained under simulated μg condition in the superconducting magnet with lysozyme concentration 20 mg/ml.

	Diffraction data statistics of lysozyme crystals				
	Crystal 1	Crystal 2	Crystal 3	Crystal 4	Crystal 5
Resolution range	50-2.18	50-2.19	50-2.19	50-2.23	50-2.26
(Å)	(2.22-2.18)	(2.23-2.19)	(2.23-2.19)	(2.27-2.23)	(2.30-2.26)
Mosaicity (º)	0.38	0.33	0.38	0.34	0.29
<I>/<σ(I)>	15.32 (2.42)	13.38 (2.59)	14.45 (2.56)	14.22 (3.87)	8.82 (2.13)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension	a = 78.88	a = 78.25	a = 78.53	a = 78.64	a = 78.64
a, b, c (Å)	b = 78.88	b = 78.25	b = 78.53	b = 78.64	b = 78.64
	c = 38.17	c = 38.54	c = 38.35	c = 38.42	c = 38.16
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)	5				
Oscillation angle (°)	1				
Detector distance (mm)	200				
Wavelength (Å)	1.54178				

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 6	Crystal 7	Crystal 8	Crystal 9	Crystal 10
Resolution range	50-2.32	50-2.40	50-2.41	50-2.45	50-2.53
(Å)	(2.36-2.32)	(2.44-2.40)	(2.45-2.41)	(2.49-2.45)	(2.57-2.53)
Mosaicity (º)	0.35	0.53	0.55	0.38	0.58
<I>/<σ(I)>	9.47 (2.44)	10.98 (2.40)	9.25 (2.25)	9.08 (2.57)	9.43 (2.49)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension	a = 78.64	a = 78.66	a = 78.89	a = 78.67	a = 76.89
a, b, c (Å)	b = 78.64	b = 78.66	b = 78.89	b = 78.67	b = 76.89
	c = 38.01	c = 38.28	c = 38.07	c = 38.09	c = 36.09
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)	5				
Oscillation angle (°)	1				
Detector distance (mm)	200	200	190	200	200
Wavelength (Å)	1.54178				

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 11	Crystal 12	Crystal 13	Crystal 14	Crystal 15
Resolution range	50-2.53	50-2.59	50-2.61	50-2.69	50-2.78
(Å)	(2.57-2.53)	(2.63-2.59)	(2.66-2.61)	(2.74-2.69)	(2.83-2.78)
Mosaicity (º)	1.06	0.28	1.14	0.25	0.31
<I>/<σ(I)>	8.07 (4.08)	7.60 (3.40)	9.26 (2.62)	6.93 (2.26)	7.09 (2.03)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension	a = 78.51	a = 78.61	a = 78.74	a = 78.27	a = 78.67
a, b, c (Å)	b = 78.51	b = 78.61	b = 78.74	b = 78.27	b = 78.67

	c = 38.42	c = 38.36	c = 38.06	c = 37.35	c = 38.30
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)	5				
Oscillation angle (°)	1				
Detector distance (mm)	185	200	200	185	200
Wavelength (Å)	1.54178				

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals			
	Crystal 16	Crystal 17	Crystal 18	Crystal 19
Resolution range (Å)	50-2.79 (2.84-2.79)	50-2.80 (2.85-2.80)	50-2.80 (2.85-2.80)	50-2.87 (2.92-2.87)
Mosaicity (º)	0.23	0.85	1.08	0.75
$\langle I \rangle / \langle \sigma(I) \rangle$	6.82 (2.20)	10.04 (2.20)	7.58 (3.15)	8.05 (2.51)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension a, b, c (Å)	a = 78.77 b = 78.77 c = 38.87	a = 78.49 b = 78.49 c = 38.27	a = 78.05 b = 78.05 c = 38.16	a = 78.76 b = 78.76 c = 38.14
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)	5			
Oscillation angle (°)	1			
Detector distance (mm)	200			
Wavelength (Å)	1.54178			

Values in parentheses are for the highest resolution shell.

Table S2 X-ray diffraction data statistics of lysozyme crystals obtained under simulated 1g condition in the superconducting magnet with lysozyme concentration 20 mg/ml.

	Diffraction data statistics of lysozyme crystals				
	Crystal 1	Crystal 2	Crystal 3	Crystal 4	Crystal 5
Resolution range (Å)	50-2.19 (2.23-2.19)	50-2.25 (2.29-2.25)	50-2.29 (2.33-2.29)	50-2.33 (2.37-2.33)	50-2.53 (2.57-2.53)
Mosaicity (º)	0.64	0.91	0.42	0.50	0.68
<I>/<σ(I)>	10.79 (2.80)	12.96 (2.31)	9.92 (2.27)	9.44 (2.31)	9.73 (2.63)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension *a, b, c* (Å)	*a* = 78.32 *b* = 78.32 *c* = 37.74	*a* = 78.81 *b* = 78.81 *c* = 37.94	*a* = 78.23 *b* = 78.23 *c* = 38.06	*a* = 79.04 *b* = 79.04 *c* = 37.99	*a* = 78.51 *b* = 78.51 *c* = 38.18
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)	5				
Oscillation angle (°)	1				
Detector distance (mm)	200				
Wavelength (Å)	1.54178				

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 6	Crystal 7	Crystal 8	Crystal 9	Crystal 10
Resolution range (Å)	50-2.63 (2.68-2.63)	50-2.60 (2.64-2.60)	50-2.72 (2.77-2.72)	50-2.78 (2.83-2.78)	50-2.92 (2.97-2.92)
Mosaicity (º)	0.49	1.75	0.43	0.57	0.28
<I>/<σ(I)>	7.90 (2.58)	11.08 (5.64)	8.45 (2.03)	10.18 (2.93)	6.53 (2.17)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$

Cell dimension	a = 78.49	a = 78.33	a = 78.56	a = 78.58	a = 78.79
a, b, c (Å)	b = 78.49	b = 78.33	b = 78.56	b = 78.58	b = 78.79
	c = 38.55	c = 38.53	c = 38.47	c = 38.61	c = 38.25
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)	5				
Oscillation angle (°)	1				
Detector distance (mm)	200				
Wavelength (Å)	1.54178				

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 11	Crystal 12	Crystal 13	Crystal 14	Crystal 15
Resolution range (Å)	50-2.92 (2.97-2.92)	50-2.98 (3.03-2.98)	50-2.99 (3.04-2.99)	50-3.09 (3.14-3.09)	50-3.10 (3.15-3.10)
Mosaicity (º)	0.60	0.36	0.31	1.01	0.32
$\langle I \rangle / \langle \sigma(I) \rangle$	8.07 (3.55)	5.48 (2.48)	5.42 (3.06)	7.74 (2.49)	6.89 (2.05)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension a, b, c (Å)	a = 78.72 b = 78.72 c = 38.01	a = 78.78 b = 78.78 c = 38.02	a = 77.92 b = 77.92 c = 37.28	a = 77.98 b = 77.98 c = 38.84	a = 78.80 b = 78.80 c = 38.26
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)	5				
Oscillation angle (°)	1				
Detector distance	200				

(mm)	
Wavelength (Å)	1.54178

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals		
	Crystal 16	Crystal 17	Crystal 18
Resolution range	50-3.17	50-3.37	50-3.54
(Å)	(3.22-3.17)	(3.43-3.37)	(3.60-3.54)
Mosaicity (°)	0.3	0.20	0.19
$\langle I \rangle / \langle \sigma(I) \rangle$	6.36 (3.54)	5.81 (2.07)	5.26 (2.02)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension	a = 78.40	a = 78.49	a = 78.97
a, b, c (Å)	b = 78.40	b = 78.49	b = 78.97
	c = 38.46	c = 38.51	c = 38.32
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time		5	
(min)			
Oscillation angle		1	
(°)			
Detector distance		200	
(mm)			
Wavelength (Å)		1.54178	

Values in parentheses are for the highest resolution shell.

Table S3 X-ray diffraction data statistics of lysozyme crystals obtained under simulated 2g condition in the superconducting magnet with lysozyme concentration 20 mg/ml.

	Diffraction data statistics of lysozyme crystals				
	Crystal 1	Crystal 2	Crystal 3	Crystal 4	Crystal 5
Resolution range (Å)	50-2.21 (2.25-2.21)	50-2.22 (2.26-2.22)	50-2.43 (2.47-2.43)	50-2.52 (2.56-2.52)	50-2.74 (2.79-2.74)
Mosaicity (º)	0.49	0.56	1.15	0.50	0.42
<I>/<σ(I)>	12.90 (2.18)	10.85 (2.79)	10.47 (2.69)	9.48 (2.42)	7.46 (2.47)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension *a, b, c* (Å)	*a* = 78.43 *b* = 78.43 *c* = 38.08	*a* = 78.85 *b* = 78.85 *c* = 37.79	*a* = 78.44 *b* = 78.44 *c* = 38.21	*a* = 78.38 *b* = 78.38 *c* = 38.34	*a* = 78.63 *b* = 78.63 *c* = 38.10
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)	5				
Oscillation angle (°)	1				
Detector distance (mm)	200				
Wavelength (Å)	1.54178				

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 6	Crystal 7	Crystal 8	Crystal 9	Crystal 10
Resolution range (Å)	50-2.83 (2.88-2.83)	50-2.89 (2.94-2.89)	50-3.05 (3.10-3.05)	50-3.05 (3.10-3.05)	50-3.12 (3.17-3.12)
Mosaicity (º)	0.65	0.26	0.43	0.90	0.18
<I>/<σ(I)>	7.63 (2.52)	4.39 (2.72)	6.65 (2.61)	7.92 (7.98)	5.18 (3.04)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension *a, b, c* (Å)	*a* = 75.85 *b* = 75.85	*a* = 78.26 *b* = 78.26	*a* = 76.70 *b* = 76.70	*a* = 78.31 *b* = 78.31	*a* = 78.85 *b* = 78.85

	c = 36.87	c = 37.86	c = 37.23	c = 37.23	c = 38.35
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)	5				
Oscillation angle (°)	1				
Detector distance (mm)	200				
Wavelength (Å)	1.54178				

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals	
	Crystal 11	Crystal 12
Resolution range (Å)	50-3.40 (3.46-3.40)	50-3.81 (3.88-3.81)
Mosaicity (º)	0.22	0.89
$\langle I \rangle / \langle \sigma(I) \rangle$	4.95 (2.24)	8.26 (13.06)
Space group	$P4_32_12$	$P4_32_12$
Cell dimension a, b, c (Å)	a = 78.67 b = 78.67 c = 38.22	a = 77.27 b = 77.27 c = 37.03
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)	5	
Oscillation angle (°)	1	
Detector distance (mm)	200	
Wavelength (Å)	1.54178	

Values in parentheses are for the highest resolution shell.

Table S4 X-ray diffraction data statistics of lysozyme crystals obtained at the control group in normal gravity outside the superconducting magnet with lysozyme concentration 20 mg/ml.

	Diffraction data statistics of lysozyme crystals				
	Crystal 1	Crystal 2	Crystal 3	Crystal 4	Crystal 5
Resolution range	50-2.24	50-2.61	50-2.66	50-2.69	50-2.70
(Å)	(2.28-2.24)	(2.66-2.61)	(2.71-2.66)	(2.74-2.69)	(2.75-2.70)
Mosaicity (º)	0.49	0.46	1.02	0.23	0.79
<I>/<σ(I)>	9.39 (2.02)	8.96 (2.70)	9.96 (2.46)	8.89 (2.47)	10.03 (2.12)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension	a = 78.76	a = 79.05	a = 78.03	a = 77.98	a = 78.47
a, b, c (Å)	b = 78.76	b = 79.05	b = 78.93	b = 77.98	b = 78.47
	c = 38.41	c = 38.04	c = 37.59	c = 37.92	c = 37.79
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time	5				
(min)					
Oscillation angle	1				
(°)					
Detector distance	200				
(mm)					
Wavelength (Å)	1.54178				

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 6	Crystal 7	Crystal 8	Crystal 9	Crystal 10
Resolution range	50-2.77	50-2.79	50-2.85	50-2.94	50-2.95
(Å)	(2.82-2.77)	(2.84-2.79)	(2.90-2.85)	(2.99-2.94)	(3.00-2.95)
Mosaicity (º)	0.21	0.92	0.61	0.26	0.01
<I>/<σ(I)>	8.01 (2.26)	8.66 (2.01)	7.86 (2.34)	7.11 (2.08)	12.82 (3.03)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension	a = 73.08	a = 78.95	a = 77.99	a = 78.85	a = 78.00

a, b, c (Å)	*b* = 73.08	*b* = 78.95	*b* = 77.99	*b* = 78.85	*b* = 78.00
	c = 36.84	*c* = 37.88	*c* = 37.71	*c* = 38.29	*c* = 38.03
α, β, γ (°)	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90
Exposure time (min)	5				
Oscillation angle (°)	1				
Detector distance (mm)	200				
Wavelength (Å)	1.54178				

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals			
	Crystal 11	Crystal 12	Crystal 13	Crystal 14
Resolution range (Å)	50-3.21 (3.27-3.21)	50-3.24 (3.30-3.24)	50-3.25 (3.31-3.25)	50-3.52 (3.58-3.52)
Mosaicity (º)	2.16	0.65	0.47	0.33
<I>/<σ(I)>	7.97 (2.23)	4.79 (2.47)	5.38 (2.03)	6.14 (2.08)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension *a, b, c* (Å)	*a* = 78.20 *b* = 78.20 *c* = 38.09	*a* = 78.85 *b* = 78.85 *c* = 38.13	*a* = 77.84 *b* = 77.84 *c* = 37.82	*a* = 78.71 *b* = 78.71 *c* = 38.20
α, β, γ (°)	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90
Exposure time (min)	5			
Oscillation angle (°)	1			
Detector distance (mm)	200			
Wavelength (Å)	1.54178			

Values in parentheses are for the highest resolution shell.

Table S5 X-ray diffraction data statistics of lysozyme crystals obtained under simulated μg condition in the superconducting magnet with lysozyme concentration 30 mg/ml.

	Diffraction data statistics of lysozyme crystals				
	Crystal 1	Crystal 2	Crystal 3	Crystal 4	Crystal 5
Resolution range (Å)	50-2.09 (2.13-2.09)	50-2.10 (2.14-2.10)	50-2.17 (2.21-2.17)	50-2.17 (2.21-2.17)	50-2.18 (2.22-2.18)
Mosaicity (º)	0.27	0.97	0.20	0.47	0.35
<I>/<σ(I)>	10.96 (2.39)	12.60 (2.27)	8.68 (2.01)	9.40 (2.06)	11.83 (4.49)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension *a, b, c* (Å)	*a* = 78.69 *b* = 78.69 *c* = 38.40	*a* = 78.69 *b* = 78.69 *c* = 37.86	*a* = 78.87 *b* = 78.87 *c* = 38.08	*a* = 78.40 *b* = 78.40 *c* = 37.68	*a* = 78.68 *b* = 78.68 *c* = 37.92
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)	5				
Oscillation angle (°)	1				
Detector distance (mm)	175	175	175	175	200
Wavelength (Å)	1.54178				

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 6	Crystal 7	Crystal 8	Crystal 9	Crystal 10
Resolution range (Å)	50-2.19 (2.23-2.19)	50-2.19 (2.23-2.19)	50-2.19 (2.23-2.19)	50-2.20 (2.24-2.20)	50-2.20 (2.24-2.20)
Mosaicity (º)	0.35	0.46	0.73	0.34	0.40
<I>/<σ(I)>	15.31 (2.73)	15.58 (3.32)	13.97 (2.93)	12.20 (4.35)	13.59 (3.02)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension *a, b, c* (Å)	*a* = 78.58 *b* = 78.58	*a* = 78.43 *b* = 78.43	*a* = 78.58 *b* = 78.58	*a* = 79.04 *b* = 79.04	*a* = 78.66 *b* = 78.66

	c = 38.49	c = 37.80	c = 38.62	c = 38.17	c = 37.87
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)	5				
Oscillation angle (°)	1				
Detector distance (mm)	200				
Wavelength (Å)	1.54178				

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 11	Crystal 12	Crystal 13	Crystal 14	Crystal 15
Resolution range (Å)	50-2.20 (2.24-2.20)	50-2.21 (2.25-2.21)	50-2.22 (2.26-2.22)	50-2.22 (2.26-2.22)	50-2.23 (2.27-2.23)
Mosaicity (º)	0.64	0.38	0.28	0.31	0.28
$\langle I \rangle / \langle \sigma(I) \rangle$	11.82 (2.07)	9.90 (2.25)	8.87 (2.02)	11.74 (2.20)	12.50 (3.12)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension a, b, c (Å)	a = 78.96 b = 78.96 c = 38.16	a = 79.08 b = 79.08 c = 37.96	a = 78.35 b = 78.35 c = 38.59	a = 78.88 b = 78.88 c = 38.10	a = 78.57 b = 78.57 c = 38.16
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)	5				
Oscillation angle (°)	1				
Detector distance (mm)	150	200	175	200	200
Wavelength (Å)	1.54178				

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 16	Crystal 17	Crystal 18	Crystal 19	Crystal 20
Resolution range (Å)	50-2.24 (2.28-2.24)	50-2.24 (2.28-2.24)	50-2.24 (2.28-2.24)	50-2.26 (2.30-2.26)	50-2.32 (2.36-2.32)
Mosaicity (º)	0.30	0.27	0.32	1.27	0.24
<I>/<σ(I)>	11.57 (3.62)	8.89 (2.04)	13.88 (4.63)	13.70 (3.68)	10.96 (2.03)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension *a, b, c* (Å)	*a* = 78.99 *b* = 78.99 *c* = 38.01	*a* = 78.89 *b* = 78.89 *c* = 38.20	*a* = 78.57 *b* = 78.57 *c* = 38.40	*a* = 78.79 *b* = 78.79 *c* = 38.29	*a* = 78.98 *b* = 78.98 *c* = 38.05
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)	5				
Oscillation angle (°)	1				
Detector distance (mm)	200	175	200	200	200
Wavelength (Å)	1.54178				

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 21	Crystal 22	Crystal 23	Crystal 24	Crystal 25
Resolution range (Å)	50-2.35 (2.39-2.35)	50-2.35 (2.39-2.35)	50-2.36 (2.40-2.36)	50-2.37 (2.41-2.37)	50-2.38 (2.42-2.38)
Mosaicity (º)	0.22	0.27	0.41	0.49	0.38
<I>/<σ(I)>	7.82 (2.03)	9.08 (2.09)	9.01 (2.02)	8.41 (2.04)	12.39 (2.37)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension *a, b, c* (Å)	*a* = 78.96 *b* = 78.96 *c* = 38.17	*a* = 78.72 *b* = 78.72 *c* = 38.10	*a* = 78.04 *b* = 78.04 *c* = 37.80	*a* = 77.88 *b* = 77.88 *c* = 38.13	*a* = 80.38 *b* = 80.38 *c* = 38.55
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$

Exposure time (min)			5		
Oscillation angle (°)			1		
Detector distance (mm)	175	200	200	175	200
Wavelength (Å)			1.54178		

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 26	Crystal 27	Crystal 28	Crystal 29	Crystal 30
Resolution range (Å)	50-2.39 (2.43-2.39)	50-2.40 (2.44-2.40)	50-2.40 (2.44-2.40)	50-2.41 (2.45-2.41)	50-2.41 (2.45-2.41)
Mosaicity (º)	0.08	0.32	0.74	0.26	0.27
<I>/<σ(I)>	8.38 (3.02)	8.92 (3.24)	9.53 (2.99)	7.54 (2.49)	9.56 (2.39)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension *a, b, c* (Å)	*a* = 78.54 *b* = 78.54 *c* = 38.57	*a* = 78.51 *b* = 78.51 *c* = 38.06	*a* = 78.09 *b* = 78.09 *c* = 38.05	*a* = 78.60 *b* = 78.60 *c* = 38.18	*a* = 78.71 *b* = 78.71 *c* = 37.91
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)			5		
Oscillation angle (°)			1		
Detector distance (mm)	200	200	175	200	200
Wavelength (Å)			1.54178		

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 31	Crystal 32	Crystal 33	Crystal 34	Crystal 35

Resolution range (Å)	50-2.49 (2.53-2.49)	50-2.50 (2.54-2.50)	50-2.52 (2.56-2.52)	50-2.63 (2.68-2.63)	50-2.70 (2.75-2.70)
Mosaicity (º)	0.27	0.74	0.33	0.24	0.20
<I>/<σ(I)>	8.57 (2.15)	10.15 (2.24)	9.08 (2.20)	6.94 (2.13)	5.87 (2.20)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension *a, b, c* (Å)	*a* = 78.05 *b* = 78.05 *c* = 38.06	*a* = 78.71 *b* = 78.71 *c* = 38.30	*a* = 79.00 *b* = 79.00 *c* = 38.03	*a* = 79.01 *b* = 79.01 *c* = 38.03	*a* = 78.28 *b* = 78.28 *c* = 38.24
α, β, γ (°)	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90
Exposure time (min)			5		
Oscillation angle (°)			1		
Detector distance (mm)	200	190	190	150	175
Wavelength (Å)			1.54178		

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 36	Crystal 37	Crystal 38	Crystal 39	Crystal 40
Resolution range (Å)	50-2.76 (2.81-2.76)	50-2.79 (2.84-2.79)	50-2.84 (2.89-2.84)	50-2.91 (2.96-2.91)	50-2.93 (2.98-2.93)
Mosaicity (º)	0.27	0.21	0.46	0.43	0.30
<I>/<σ(I)>	6.69 (3.22)	6.42 (2.02)	7.93 (2.74)	6.59 (2.23)	6.34 (2.05)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension *a, b, c* (Å)	*a* = 78.85 *b* = 78.85 *c* = 38.08	*a* = 78.94 *b* = 78.94 *c* = 38.05	*a* = 77.86 *b* = 77.86 *c* = 37.74	*a* = 77.93 *b* = 77.93 *c* = 75.19	*a* = 78.87 *b* = 78.87 *c* = 38.15
α, β, γ (°)	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90
Exposure time (min)			5		

Oscillation angle (°)			1		
Detector distance (mm)	200	200	200	175	175
Wavelength (Å)			1.54178		

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals		
	Crystal 41	Crystal 42	Crystal 43
Resolution range (Å)	50-2.94 (2.99-2.94)	50-2.94 (2.99-2.94)	50-2.95 (3.00-2.95)
Mosaicity (º)	0.14	0.36	0.20
$\langle I \rangle / \langle \sigma(I) \rangle$	5.59 (2.01)	5.73 (2.40)	6.30 (2.24)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension *a, b, c* (Å)	a = 78.38 b = 78.38 c = 38.03	a = 78.85 b = 78.85 c = 38.05	a = 78.85 b = 78.85 c = 38.09
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)		5	
Oscillation angle (°)		1	
Detector distance (mm)		200	
Wavelength (Å)		1.54178	

Values in parentheses are for the highest resolution shell.

Table S6 X-ray diffraction data statistics of lysozyme crystals obtained under simulated 1g condition in the superconducting magnet with lysozyme concentration 30 mg/ml.

	Diffraction data statistics of lysozyme crystals				
	Crystal 1	Crystal 2	Crystal 3	Crystal 4	Crystal 5
Resolution range (Å)	50-2.20 (2.24-2.20)	50-2.20 (2.24-2.20)	50-2.21 (2.25-2.21)	50-2.21 (2.25-2.21)	50-2.22 (2.26-2.22)
Mosaicity (º)	0.26	0.37	0.33	0.36	0.30
<I>/<σ(I)>	9.83 (2.05)	11.00 (2.08)	11.51 (2.74)	9.54 (2.51)	9.31 (2.20)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension *a, b, c* (Å)	*a* = 78.65 *b* = 78.65 *c* = 38.34	*a* = 78.42 *b* = 78.42 *c* = 38.33	*a* = 78.90 *b* = 78.90 *c* = 38.20	*a* = 78.94 *b* = 78.94 *c* = 38.09	*a* = 77.88 *b* = 77.88 *c* = 38.03
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)	5				
Oscillation angle (°)	1				
Detector distance (mm)	175	200	200	200	175
Wavelength (Å)	1.54178				

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 6	Crystal 7	Crystal 8	Crystal 9	Crystal 10
Resolution range (Å)	50-2.23 (2.27-2.23)	50-2.23 (2.27-2.23)	50-2.23 (2.27-2.23)	50-2.23 (2.27-2.23)	50-2.24 (2.28-2.24)
Mosaicity (º)	0.30	0.27	0.33	0.36	0.59
<I>/<σ(I)>	9.00 (2.08)	9.63 (2.07)	11.51 (3.93)	9.58 (2.71)	11.37 (2.18)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension *a, b, c* (Å)	*a* = 78.93 *b* = 78.93	*a* = 78.71 *b* = 78.71	*a* = 78.52 *b* = 78.52	*a* = 75.93 *b* = 75.93	*a* = 78.57 *b* = 78.57

	c = 38.11	c = 38.42	c = 37.83	c = 38.66	c = 38.64
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)			5		
Oscillation angle (°)			1		
Detector distance (mm)	200	200	200	175	175
Wavelength (Å)			1.54178		

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 11	Crystal 12	Crystal 13	Crystal 14	Crystal 15
Resolution range (Å)	50-2.25 (2.29-2.25)	50-2.25 (2.29-2.25)	50-2.28 (2.32-2.28)	50-2.39 (2.43-2.39)	50-2.40 (2.44-2.40)
Mosaicity (º)	0.33	0.54	0.54	0.66	0.28
$\langle I \rangle / \langle \sigma(I) \rangle$	10.06 (2.22)	8.0 (2.90)	10.69 (2.04)	7.70 (2.01)	7.91 (2.10)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension a, b, c (Å)	a = 78.71 b = 78.71 c = 38.45	a = 77.82 b = 77.82 c = 37.89	a = 78.36 b = 78.36 c = 38.24	a = 78.81 b = 78.81 c = 38.20	a = 78.04 b = 78.04 c = 38.13
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)			5		
Oscillation angle (°)			1		
Detector distance (mm)	200	175	200	185	175
Wavelength (Å)			1.54178		

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 16	Crystal 17	Crystal 18	Crystal 19	Crystal 20
Resolution range (Å)	50-2.40 (2.44-2.40)	50-2.40 (2.44-2.40)	50-2.46 (2.50-2.46)	50-2.55 (2.59-2.55)	50-2.60 (2.64-2.60)
Mosaicity (º)	0.35	0.71	0.44	0.47	0.34
<I>/<σ(I)>	10.58 (2.42)	8.74 (2.44)	8.51 (2.44)	9.36 (3.10)	8.21 (2.19)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension *a, b, c* (Å)	*a* = 78.96 *b* = 78.96 *c* = 38.01	*a* = 78.23 *b* = 78.23 *c* = 38.69	*a* = 78.49 *b* = 78.49 *c* = 38.60	*a* = 78.79 *b* = 78.79 *c* = 38.08	*a* = 78.82 *b* = 78.82 *c* = 38.04
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)	5				
Oscillation angle (°)	1				
Detector distance (mm)	190	200	175	200	200
Wavelength (Å)	1.54178				

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 21	Crystal 22	Crystal 23	Crystal 24	Crystal 25
Resolution range (Å)	50-2.62 (2.67-2.62)	50-2.69 (2.74-2.69)	50-2.89 (2.94-2.89)	50-2.95 (3.00-2.95)	50-3.03 (3.08-3.03)
Mosaicity (º)	1.22	1.46	0.69	0.61	1.89
<I>/<σ(I)>	11.70 (2.66)	13.22 (2.43)	8.67 (2.14)	8.27 (2.40)	8.30 (2.90)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension *a, b, c* (Å)	*a* = 78.21 *b* = 78.21 *c* = 38.88	*a* = 77.80 *b* = 77.80 *c* = 37.48	*a* = 78.82 *b* = 78.82 *c* = 38.25	*a* = 78.74 *b* = 78.74 *c* = 37.92	*a* = 77.95 *b* = 77.95 *c* = 37.72
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$

Exposure time (min)			5		
Oscillation angle (°)			1		
Detector distance (mm)	175	185	200	200	200
Wavelength (Å)			1.54178		

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals		
	Crystal 26	Crystal 27	Crystal 28
Resolution range (Å)	50-3.06 (3.11-3.06)	50-3.07 (3.12-3.07)	50-3.29 (3.35-3.29)
Mosaicity (º)	0.26	0.36	0.85
$\langle I \rangle / \langle \sigma(I) \rangle$	5.44 (2.05)	8.53 (2.37)	4.36 (2.57)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension *a, b, c* (Å)	a = 78.79 b = 78.79 c = 38.10	a = 78.33 b = 78.33 c = 38.12	a = 78.61 b = 78.61 c = 113.90
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)		5	
Oscillation angle (°)		1	
Detector distance (mm)	175	200	175
Wavelength (Å)		1.54178	

Values in parentheses are for the highest resolution shell.

Table S7 X-ray diffraction data statistics of lysozyme crystals obtained under simulated 2g condition in the superconducting magnet with lysozyme concentration 30 mg/ml.

	Diffraction data statistics of lysozyme crystals				
	Crystal 1	Crystal 2	Crystal 3	Crystal 4	Crystal 5
Resolution range (Å)	50-2.20 (2.24-2.20)	50-2.28 (2.32-2.28)	50-2.52 (2.56-2.52)	50-2.52 (2.56-2.52)	50-2.52 (2.56-2.52)
Mosaicity (º)	0.44	0.44	0.25	0.32	0.76
<I>/<σ(I)>	11.94 (2.58)	9.54 (2.26)	8.37 (2.44)	7.61 (2.09)	9.15 (2.45)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension *a, b, c* (Å)	*a* = 78.49 *b* = 78.49 *c* = 38.30	*a* = 77.81 *b* = 77.81 *c* = 37.87	*a* = 78.93 *b* = 78.93 *c* = 38.03	*a* = 78.26 *b* = 78.26 *c* = 76.71	*a* = 78.42 *b* = 78.42 *c* = 38.12
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)	5				
Oscillation angle (°)	1				
Detector distance (mm)	200	200	200	200	190
Wavelength (Å)	1.54178				

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 6	Crystal 7	Crystal 8	Crystal 9	Crystal 10
Resolution range (Å)	50-2.55 (2.59-2.55)	50-2.59 (2.63-2.59)	50-2.62 (2.67-2.62)	50-2.62 (2.67-2.62)	50-2.80 (2.85-2.80)
Mosaicity (º)	0.64	0.32	0.29	0.36	0.38
<I>/<σ(I)>	8.03 (2.03)	9.66 (2.08)	7.39 (2.29)	7.98 (2.31)	7.42 (2.05)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$

Cell dimension	a = 78.62	a = 78.86	a = 78.89	a = 79.03	a = 78.59
a, b, c (Å)	b = 78.62	b = 78.86	b = 78.89	b = 79.03	b = 78.59
	c = 38.24	c = 38.16	c = 38.12	c = 38.09	c = 38.24
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)	5				
Oscillation angle (°)	1				
Detector distance (mm)	200				
Wavelength (Å)	1.54178				

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 11	Crystal 12	Crystal 13	Crystal 14	Crystal 15
Resolution range (Å)	50-2.90 (2.95-2.90)	50-2.91 (2.96-2.91)	50-2.91 (2.96-2.91)	50-2.95 (3.00-2.95)	50-2.97 (3.02-2.97)
Mosaicity (º)	0.23	0.65	2.96	0.80	0.26
$\langle I \rangle / \langle \sigma(I) \rangle$	5.61 (2.16)	6.32 (2.52)	13.10 (2.80)	12.93 (2.40)	7.11 (2.90)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension a, b, c (Å)	a = 78.78	a = 78.77	a = 77.52	a = 78.72	a = 76.84
	b = 78.78	b = 78.77	b = 77.52	b = 78.72	b = 76.84
	c = 38.06	c = 38.18	c = 36.53	c = 37.89	c = 37.11
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)	5				
Oscillation angle (°)	1				
Detector distance	200				

(mm)	
Wavelength (Å)	1.54178

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 16	Crystal 17	Crystal 18	Crystal 19	Crystal 20
Resolution range	50-3.07	50-3.10	50-3.11	50-3.12	50-3.20
(Å)	(3.12-3.07)	(3.15-3.10)	(3.16-3.11)	(3.17-3.12)	(3.26-3.20)
Mosaicity (º)	0.24	1.12	1.68	0.20	0.25
$\langle I \rangle / \langle \sigma(I) \rangle$	6.40 (2.39)	8.69 (2.35)	9.15 (2.17)	4.88 (2.25)	5.09 (2.75)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension	a = 78.49	a = 78.52	a = 77.75	a = 78.97	a = 79.03
a, b, c (Å)	b = 78.49	b = 78.52	b = 77.75	b = 78.97	b = 79.03
	c = 38.58	c = 38.70	c = 38.62	c = 38.05	c = 37.91
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time			5		
(min)					
Oscillation angle			1		
(°)					
Detector distance			200		
(mm)					
Wavelength (Å)			1.54178		

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals
	Crystal 21
Resolution range	50-3.41
(Å)	(3.47-3.41)
Mosaicity (º)	0.23

<I>/<σ(I)>	3.85 (2.17)
Space group	$P4_32_12$
Cell dimension	a = 111.66
a, b, c (Å)	b = 111.66
	c = 38.26
α, β, γ (°)	$\alpha = \beta = \gamma$ = 90
Exposure time	5
(min)	
Oscillation angle	1
(°)	
Detector distance	200
(mm)	
Wavelength (Å)	1.54178

Values in parentheses are for the highest resolution shell.

Table S8 X-ray diffraction data statistics of lysozyme crystals obtained at the control group in normal gravity outside the superconducting magnet with lysozyme concentration 30 mg/ml.

	Diffraction data statistics of lysozyme crystals				
	Crystal 1	Crystal 2	Crystal 3	Crystal 4	Crystal 5
Resolution range (Å)	50-2.12 (2.16-2.12)	50-2.21 (2.25-2.21)	50-2.21 (2.25-2.21)	50-2.24 (2.28-2.24)	50-2.25 (2.29-2.25)
Mosaicity (º)	0.52	0.46	0.59	0.59	0.56
$\langle I \rangle / \langle \sigma(I) \rangle$	15.29 (2.98)	10.87 (3.21)	9.35 (2.48)	12.14 (2.32)	10.91 (2.30)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension *a, b, c* (Å)	*a* = 78.80 *b* = 78.80 *c* = 37.92	*a* = 78.75 *b* = 78.75 *c* = 38.09	*a* = 78.42 *b* = 78.42 *c* = 38.53	*a* = 78.68 *b* = 78.68 *c* = 38.27	*a* = 78.95 *b* = 78.95 *c* = 38.06
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)	5				
Oscillation angle (°)	1				
Detector distance (mm)	185	200	200	185	200
Wavelength (Å)	1.54178				

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 6	Crystal 7	Crystal 8	Crystal 9	Crystal 10
Resolution range (Å)	50-2.40 (2.44-2.40)	50-2.41 (2.54-2.41)	50-2.44 (2.48-2.44)	50-2.50 (2.54-2.50)	50-2.51 (2.55-2.51)
Mosaicity (º)	0.27	0.58	0.27	0.49	0.42
$\langle I \rangle / \langle \sigma(I) \rangle$	7.84 (2.02)	8.83 (2.12)	7.30 (2.04)	8.42 (2.16)	7.75 (2.08)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$

Cell dimension	a = 78.85	a = 78.87	a = 78.91	a = 78.35	a = 78.69
a, b, c (Å)	b = 78.85	b = 78.87	b = 78.91	b = 78.35	b = 78.69
	c = 38.06	c = 38.10	c = 38.06	c = 38.59	c = 38.08
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)	5				
Oscillation angle (°)	1				
Detector distance (mm)	200				
Wavelength (Å)	1.54178				

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 11	Crystal 12	Crystal 13	Crystal 14	Crystal 15
Resolution range (Å)	50-2.60 (2.64-2.60)	50-2.61 (2.66-2.61)	50-2.67 (2.72-2.67)	50-2.69 (2.54-2.69)	50-2.70 (2.75-2.70)
Mosaicity (º)	0.71	0.88	0.43	0.28	1.04
$\langle I \rangle / \langle \sigma(I) \rangle$	8.28 (2.25)	9.28 (2.79)	11.11 (2.73)	8.23 (2.08)	8.44 (3.17)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension a, b, c (Å)	a = 78.41 b = 78.41 c = 37.40	a = 78.53 b = 78.53 c = 38.09	a = 78.38 b = 78.38 c = 38.37	a = 78.36 b = 78.36 c = 38.60	a = 78.07 b = 78.07 c = 38.50
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)	5				
Oscillation angle (°)	1				
Detector distance	200				

(mm)	
Wavelength (Å)	1.54178

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 16	Crystal 17	Crystal 18	Crystal 19	Crystal 20
Resolution range	50-2.75	50-2.76	50-2.76	50-2.87	50-3.01
(Å)	(2.80-2.75)	(2.81-2.76)	(2.81-2.76)	(2.92-2.87)	(3.06-3.01)
Mosaicity (º)	0.26	0.25	0.43	0.24	1.41
<I>/<σ(I)>	7.83 (2.05)	7.39 (2.18)	6.66 (2.49)	8.57 (3.18)	7.37 (11.73)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension	a = 78.93	a = 79.17	a = 79.01	a = 78.95	a = 78.76
a, b, c (Å)	b = 78.93	b = 79.17	b = 79.01	b = 78.95	b = 78.76
	c = 38.11	c = 37.95	c = 38.07	c = 38.10	c = 37.83
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time			5		
(min)					
Oscillation angle			1		
(°)					
Detector distance			200		
(mm)					
Wavelength (Å)			1.54178		

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 21	Crystal 22	Crystal 23	Crystal 24	Crystal 25
Resolution range	50-3.02	50-3.08	50-3.13	50-3.35	50-3.42
(Å)	(3.07-3.02)	(3.13-3.08)	(3.18-3.13)	(3.41-3.35)	(3.48-3.42)
Mosaicity (º)	1.80	0.30	0.29	0.23	0.50

<I>/<σ(I)>	10.29 (4.59)	5.42 (2.02)	5.14 (2.25)	4.98 (2.44)	4.84 (2.65)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension	a = 78.82	a = 78.82	a = 78.90	a = 78.92	a = 78.70
a, b, c (Å)	b = 78.82	b = 78.82	b = 78.90	b = 78.92	b = 78.70
	c = 38.09	c = 38.06	c = 38.36	c = 38.07	c = 38.20
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)	5				
Oscillation angle (°)	1				
Detector distance (mm)	200				
Wavelength (Å)	1.54178				

Values in parentheses are for the highest resolution shell.

Table S9 X-ray diffraction data statistics of lysozyme crystals obtained under simulated μg condition in the superconducting magnet with lysozyme concentration 60 mg/ml.

	Diffraction data statistics of lysozyme crystals				
	Crystal 1	Crystal 2	Crystal 3	Crystal 4	Crystal 5
Resolution range (Å)	50-2.04 (2.08-2.04)	50-2.12 (2.16-2.12)	50-2.13 (2.17-2.13)	50-2.14 (2.18-2.14)	50-2.14 (2.18-2.14)
Mosaicity (º)	0.51	0.54	0.32	0.37	0.47
<I>/<σ(I)>	14.46 (2.39)	13.12 (3.08)	17.50 (4.09)	14.13 (3.71)	12.79 (2.81)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension *a, b, c* (Å)	*a* = 78.06 *b* = 78.06 *c* = 37.46	*a* = 78.75 *b* = 78.75 *c* = 38.15	*a* = 78.40 *b* = 78.40 *c* = 38.32	*a* = 78.70 *b* = 78.70 *c* = 38.17	*a* = 78.75 *b* = 78.75 *c* = 38.39
α, β, γ (°)	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90
Exposure time (min)			5		
Oscillation angle (°)			1		
Detector distance (mm)	175	185	185	185	185
Wavelength (Å)			1.54178		

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 6	Crystal 7	Crystal 8	Crystal 9	Crystal 10
Resolution range (Å)	50-2.15 (2.19-2.15)	50-2.15 (2.19-2.15)	50-2.16 (2.20-2.16)	50-2.18 (2.22-2.18)	50-2.18 (2.22-2.18)
Mosaicity (º)	0.33	0.56	0.35	0.43	0.43
<I>/<σ(I)>	12.62 (3.14)	9.78 (3.08)	12.18 (2.20)	14.42 (2.42)	20.70 (2.40)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension *a, b, c* (Å)	*a* = 78.60 *b* = 78.60	*a* = 78.83 *b* = 78.83	*a* = 78.52 *b* = 78.52	*a* = 78.87 *b* = 78.87	*a* = 78.99 *b* = 78.99

	c = 38.14	c = 38.20	c = 38.06	c = 38.15	c = 38.06
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)			5		
Oscillation angle (°)			1		
Detector distance (mm)	190	190	185	190	200
Wavelength (Å)			1.54178		

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 11	Crystal 12	Crystal 13	Crystal 14	Crystal 15
Resolution range (Å)	50-2.19 (2.23-2.19)	50-2.19 (2.23-2.19)	50-2.19 (2.23-2.19)	50-2.19 (2.23-2.19)	50-2.20 (2.24-2.20)
Mosaicity (º)	0.29	0.30	0.31	0.48	0.37
<I>/<σ(I)>	11.02 (2.14)	11.09 (3.05)	14.33 (2.87)	14.34 (3.38)	11.30 (2.01)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension a, b, c (Å)	a = 78.73 b = 78.73 c = 37.82	a = 78.82 b = 78.82 c = 37.87	a = 78.85 b = 78.85 c = 37.91	a = 78.22 b = 78.22 c = 37.93	a = 78.88 b = 78.88 c = 38.06
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)			5		
Oscillation angle (°)			1		
Detector distance (mm)	200	200	200	200	185
Wavelength (Å)			1.54178		

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 16	Crystal 17	Crystal 18	Crystal 19	Crystal 20
Resolution range	50-2.20	50-2.20	50-2.21	50-2.21	50-2.21
(Å)	(2.24-2.20)	(2.24-2.20)	(2.25-2.21)	(2.25-2.21)	(2.25-2.21)
Mosaicity (º)	0.38	0.70	0.40	0.41	0.53
<I>/<σ(I)>	10.42 (2.84)	12.35 (2.77)	10.92 (6.29)	10.75 (5.19)	13.05 (2.79)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension	a = 78.27	a = 78.30	a = 78.94	a = 78.96	a = 78.96
a, b, c (Å)	b = 78.27	b = 78.30	b = 78.94	b = 78.96	b = 78.96
	c = 38.28	c = 38.00	c = 37.83	c = 38.13	c = 38.04
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time			5		
(min)					
Oscillation angle			1		
(°)					
Detector distance			200		
(mm)					
Wavelength (Å)			1.54178		

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 21	Crystal 22	Crystal 23	Crystal 24	Crystal 25
Resolution range	50-2.23	50-2.23	50-2.23	50-2.23	50-2.24
(Å)	(2.27-2.23)	(2.27-2.23)	(2.27-2.23)	(2.27-2.23)	(2.28-2.24)
Mosaicity (º)	0.34	0.42	1.36	1.41	0.40
<I>/<σ(I)>	11.92 (2.57)	14.57 (2.10)	16.33 (2.27)	11.85 (2.16)	12.37 (2.33)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$

Cell dimension	a = 78.96	a = 78.95	a = 78.45	a = 78.79	a = 78.95
a, b, c (Å)	b = 78.96	b = 78.95	b = 78.45	b = 78.79	b = 78.95
	c = 38.15	c = 38.09	c = 37.79	c = 38.29	c = 37.90
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)			5		
Oscillation angle (°)			1		
Detector distance (mm)	200	200	200	190	200
Wavelength (Å)			1.54178		

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 26	Crystal 27	Crystal 28	Crystal 29	Crystal 30
Resolution range (Å)	50-2.24 (2.28-2.24)	50-2.27 (2.31-2.27)	50-2.37 (2.41-2.37)	50-2.38 (2.42-2.38)	50-2.40 (2.44-2.40)
Mosaicity (º)	0.47	0.39	0.30	0.34	0.27
$\langle I \rangle / \langle \sigma(I) \rangle$	12.26 (2.02)	13.52 (2.12)	8.62 (2.18)	8.96 (2.01)	10.11 (2.63)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension a, b, c (Å)	a = 76.38 b = 76.38 c = 36.08	a = 80.99 b = 80.99 c = 39.13	a = 78.34 b = 78.34 c = 76.52	a = 79.10 b = 79.10 c = 38.00	a = 78.91 b = 78.91 c = 38.03
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)			5		
Oscillation angle (°)			1		
Detector distance	185	200	200	200	200

(mm)					
Wavelength (Å)	1.54178				

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 31	Crystal 32	Crystal 33	Crystal 34	Crystal 35
Resolution range	50-2.41	50-2.41	50-2.42	50-2.42	50-2.47
(Å)	(2.45-2.41)	(2.45-2.41)	(2.46-2.42)	(2.46-2.42)	(2.51-2.47)
Mosaicity (º)	1.02	1.22	0.28	0.88	0.31
$\langle I \rangle / \langle \sigma(I) \rangle$	8.31 (2.03)	13.60 (2.90)	8.08 (2.31)	12.78 (3.66)	8.30 (2.03)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension	a = 78.68	a = 77.82	a = 78.93	a = 78.27	a = 78.44
a, b, c (Å)	b = 78.68	b = 77.82	b = 78.93	b = 78.27	b = 78.44
	c = 37.83	c = 37.40	c = 75.99	c = 38.09	c = 37.82
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time	5				
(min)					
Oscillation angle	1				
(°)					
Detector distance	200	200	200	190	190
(mm)					
Wavelength (Å)	1.54178				

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 36	Crystal 37	Crystal 38	Crystal 39	Crystal 40
Resolution range	50-2.48	50-2.49	50-2.50	50-2.59	50-2.63
(Å)	(2.52-2.48)	(2.53-2.49)	(2.54-2.50)	(2.63-2.59)	(2.68-2.63)
Mosaicity (º)	1.1	0.24	0.28	0.31	0.74

<I>/<σ(I)>	16.35 (3.14)	9.73 (2.03)	10.10 (2.37)	7.01 (2.25)	7.84 (3.32)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension	a = 78.36	a = 78.88	a = 79.02	a = 78.92	a = 78.33
a, b, c (Å)	b = 78.36	b = 78.88	b = 79.02	b = 78.92	b = 78.33
	c = 38.07	c = 38.04	c = 38.00	c = 37.86	c = 37.68
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)	5				
Oscillation angle (°)	1				
Detector distance (mm)	200	200	200	200	190
Wavelength (Å)	1.54178				

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 41	Crystal 42	Crystal 43	Crystal 44	Crystal 45
Resolution range (Å)	50-2.64 (2.69-2.64)	50-2.64 (2.69-2.64)	50-2.66 (2.71-2.66)	50-2.69 (2.74-2.69)	50-2.70 (2.75-2.70)
Mosaicity (º)	0.26	0.26	0.18	0.97	0.23
<I>/<σ(I)>	8.23 (2.13)	7.87 (2.24)	7.77 (2.52)	10.58 (2.43)	7.64 (2.22)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension	a = 79.01	a = 78.98	a = 79.01	a = 77.50	a = 79.01
a, b, c (Å)	b = 79.01	b = 78.98	b = 79.01	b = 77.50	b = 79.01
	c = 37.97	c = 37.94	c = 38.08	c = 37.53	c = 37.96
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)	5				
Oscillation angle	1				

(°)	
Detector distance	200
(mm)	
Wavelength (Å)	1.54178

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 46	Crystal 47	Crystal 48	Crystal 49	Crystal 50
Resolution range	50-2.71	50-2.71	50-2.72	50-2.78	50-2.78
(Å)	(2.76-2.71)	(2.76-2.71)	(2.77-2.72)	(2.83-2.78)	(2.83-2.78)
Mosaicity (º)	0.54	0.65	0.41	0.45	0.48
$\langle I \rangle / \langle \sigma(I) \rangle$	9.13 (2.05)	10.80 (2.69)	7.08 (3.20)	6.82 (2.03)	6.02 (2.07)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension	a = 79.08	a = 78.42	a = 78.67	a = 78.95	a = 78.76
a, b, c (Å)	b = 79.08	b = 78.42	b = 78.67	b = 78.95	b = 78.76
	c = 38.04	c = 37.83	c = 38.13	c = 38.17	c = 38.02
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time			5		
(min)					
Oscillation angle			1		
(°)					
Detector distance	200	200	190	200	200
(mm)					
Wavelength (Å)			1.54178		

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals		
	Crystal 51	Crystal 52	Crystal 53
Resolution range	50-2.78	50-2.86	50-2.89

(Å)	(2.83-2.78)	(2.91-2.86)	(2.94-2.89)
Mosaicity (º)	0.72	0.31	0.27
<I>/<σ(I)>	7.37 (2.82)	7.41 (2.34)	7.11 (2.13)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension	a = 78.31	a = 78.50	a = 79.05
a, b, c (Å)	b = 78.31	b = 78.50	b = 79.05
	c = 37.87	c = 37.89	c = 37.97
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)		5	
Oscillation angle (°)		1	
Detector distance (mm)		200	
Wavelength (Å)		1.54178	

Values in parentheses are for the highest resolution shell.

Table S10 X-ray diffraction data statistics of lysozyme crystals obtained under simulated 1g condition in the superconducting magnet with lysozyme concentration 60 mg/ml.

Diffraction data statistics of lysozyme crystals

	Crystal 1	Crystal 2	Crystal 3	Crystal 4	Crystal 5
Resolution range	50-2.17	50-2.19	50-2.21	50-2.21	50-2.21
(Å)	(2.21-2.17)	(2.23-2.19)	(2.25-2.21)	(2.25-2.21)	(2.25-2.21)
Mosaicity (º)	0.65	1.41	0.38	0.39	0.61
<I>/<σ(I)>	14.75 (4.34)	10.70 (2.86)	16.40 (2.91)	12.52 (2.17)	13.50 (3.80)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension	a = 78.65	a = 78.87	a = 78.82	a = 78.79	a = 78.54
a, b, c (Å)	b = 78.65	b = 78.87	b = 78.82	b = 78.79	b = 78.54
	c = 38.29	c = 37.98	c = 38.12	c = 38.35	c = 38.15
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time			5		
(min)					
Oscillation angle			1		
(°)					
Detector distance	190	200	200	200	200
(mm)					
Wavelength (Å)			1.54178		

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 6	Crystal 7	Crystal 8	Crystal 9	Crystal 10
Resolution range	50-2.22	50-2.22	50-2.22	50-2.23	50-2.23
(Å)	(2.26-2.22)	(2.26-2.22)	(2.26-2.22)	(2.27-2.23)	(2.27-2.23)
Mosaicity (º)	0.30	0.32	0.47	0.37	0.57
<I>/<σ(I)>	12.33 (2.16)	12.36 (2.16)	15.71 (3.09)	12.80 (2.11)	14.11 (2.63)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension	a = 79.05	a = 78.77	a = 78.57	a = 78.76	a = 78.56
a, b, c (Å)	b = 79.05	b = 78.77	b = 78.57	b = 78.76	b = 78.56
	c = 37.99	c = 38.31	c = 38.23	c = 38.27	c = 37.81

α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)	5				
Oscillation angle (°)	1				
Detector distance (mm)	200				
Wavelength (Å)	1.54178				

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 11	Crystal 12	Crystal 13	Crystal 14	Crystal 15
Resolution range (Å)	50-2.23 (2.27-2.23)	50-2.24 (2.28-2.24)	50-2.24 (2.28-2.24)	50-2.24 (2.28-2.24)	50-2.25 (2.29-2.25)
Mosaicity (º)	1.26	0.32	0.38	0.68	0.42
$\langle I \rangle / \langle \sigma(I) \rangle$	18.10 (2.24)	15.24 (2.77)	11.64 (2.32)	12.05 (3.22)	17.08 (5.34)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension *a, b, c* (Å)	$a = 78.27$ $b = 78.27$ $c = 37.79$	$a = 78.58$ $b = 78.58$ $c = 38.12$	$a = 78.91$ $b = 78.91$ $c = 37.95$	$a = 78.85$ $b = 78.85$ $c = 38.15$	$a = 78.72$ $b = 78.72$ $c = 38.09$
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)	5				
Oscillation angle (°)	1				
Detector distance (mm)	200				
Wavelength (Å)	1.54178				

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 16	Crystal 17	Crystal 18	Crystal 19	Crystal 20
Resolution range	50-2.26	50-2.26	50-2.27	50-2.30	50-2.41
(Å)	(2.30-2.26)	(2.30-2.26)	(2.31-2.27)	(2.34-2.30)	(2.45-2.41)
Mosaicity (º)	0.42	0.54	0.39	0.43	0.28
<I>/<σ(I)>	16.53 (4.89)	17.98 (4.93)	11.22 (2.19)	9.16 (5.26)	9.85 (2.37)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension	a = 78.34	a = 78.51	a = 78.82	a = 78.36	a = 78.99
a, b, c (Å)	b = 78.34	b = 78.51	b = 78.82	b = 78.36	b = 78.99
	c = 38.29	c = 38.40	c = 38.13	c = 37.91	c = 38.30
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time			5		
(min)					
Oscillation angle			1		
(°)					
Detector distance			200		
(mm)					
Wavelength (Å)			1.54178		

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 21	Crystal 22	Crystal 23	Crystal 24	Crystal 25
Resolution range	50-2.41	50-2.42	50-2.42	50-2.42	50-2.49
(Å)	(2.45-2.41)	(2.46-2.42)	(2.46-2.42)	(2.46-2.42)	(2.53-2.49)
Mosaicity (º)	0.74	0.21	0.26	1.2	0.29
<I>/<σ(I)>	11.65 (2.33)	9.54 (2.57)	14.73 (2.18)	9.31 (2.82)	10.86 (2.21)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension	a = 78.49	a = 78.86	a = 79.00	a = 78.41	a = 78.93

a, b, c (Å)	*b* = 78.49	*b* = 78.86	*b* = 79.00	*b* = 78.41	*b* = 78.93
	c = 38.12	*c* = 38.04	*c* = 38.09	*c* = 38.20	*c* = 38.10
α, β, γ (°)	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90
Exposure time (min)			5		
Oscillation angle (°)			1		
Detector distance (mm)	200	200	190	200	200
Wavelength (Å)			1.54178		

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 26	Crystal 27	Crystal 28	Crystal 29	Crystal 30
Resolution range (Å)	50-2.52 (2.56-2.52)	50-2.61 (2.61-2.57)	50-2.80 (2.85-2.80)	50-2.84 (2.89-2.84)	50-2.84 (2.89-2.84)
Mosaicity (º)	1.33	0.37	0.22	0.21	1.55
<I>/<σ(I)>	8.98 (2.14)	11.84 (4.62)	7.39 (2.28)	8.86 (2.23)	8.07 (2.55)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension *a, b, c* (Å)	*a* = 78.57 *b* = 78.57 *c* = 38.10	*a* = 78.68 *b* = 78.68 *c* = 38.27	*a* = 78.80 *b* = 78.80 *c* = 37.94	*a* = 78.63 *b* = 78.63 *c* = 38.06	*a* = 78.52 *b* = 78.52 *c* = 37.68
α, β, γ (°)	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90
Exposure time (min)			5		
Oscillation angle (°)			1		
Detector distance (mm)	200	190	200	200	200

Wavelength (Å)	1.54178

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals		
	Crystal 31	Crystal 32	Crystal 33
Resolution range (Å)	50-2.94 (2.99-2.94)	50-3.02 (3.07-3.02)	50-3.08 (3.13-3.08)
Mosaicity (º)	0.11	0.40	0.22
$\langle I \rangle / \langle \sigma(I) \rangle$	10.67 (2.10)	6.97 (2.61)	5.47 (2.88)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension *a, b, c* (Å)	a = 78.85 b = 78.85 c = 37.79	a = 79.00 b = 79.00 c = 38.10	a = 78.81 b = 78.81 c = 38.04
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)	5		
Oscillation angle (°)	1		
Detector distance (mm)	200		
Wavelength (Å)	1.54178		

Values in parentheses are for the highest resolution shell.

Table S11 X-ray diffraction data statistics of lysozyme crystals obtained under simulated 2g condition in the superconducting magnet with lysozyme concentration 60 mg/ml.

	Diffraction data statistics of lysozyme crystals

	Crystal 1	Crystal 2	Crystal 3	Crystal 4	Crystal 5
Resolution range	50-2.21	50-2.22	50-2.22	50-2.23	50-2.24
(Å)	(2.25-2.21)	(2.26-2.22)	(2.26-2.22)	(2.27-2.23)	(2.28-2.24)
Mosaicity (º)	1.12	0.33	1.14	0.29	0.34
<I>/<σ(I)>	15.40 (4.42)	13.21 (3.53)	17.78 (3.25)	9.35 (2.14)	12.77 (3.56)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension	a = 78.74	a = 78.15	a = 78.85	a = 78.99	a = 78.58
a, b, c (Å)	b = 78.74	b = 78.15	b = 78.85	b = 78.99	b = 78.58
	c = 38.11	c = 37.78	c = 37.94	c = 38.01	c = 38.02
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)			5		
Oscillation angle (°)			1		
Detector distance (mm)	190	200	200	200	200
Wavelength (Å)			1.54178		

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 6	Crystal 7	Crystal 8	Crystal 9	Crystal 10
Resolution range	50-2.25	50-2.25	50-2.26	50-2.26	50-2.29
(Å)	(2.29-2.25)	(2.29-2.25)	(2.30-2.26)	(2.30-2.26)	(2.33-2.29)
Mosaicity (º)	0.33	0.53	0.40	0.44	0.56
<I>/<σ(I)>	13.75 (3.54)	13.84 (3.30)	10.37 (2.86)	10.941 (2.31)	9.16 (2.68)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension	a = 78.66	a = 79.16	a = 78.53	a = 78.22	a = 78.76
a, b, c (Å)	b = 78.66	b = 79.17	b = 78.53	b = 78.22	b = 78.76
	c = 38.20	c = 37.68	c = 38.08	c = 38.50	c = 38.05
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time			5		

(min)	
Oscillation angle	1
(°)	
Detector distance	200
(mm)	
Wavelength (Å)	1.54178

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 11	Crystal 12	Crystal 13	Crystal 14	Crystal 15
Resolution range	50-2.37	50-2.38	50-2.39	50-2.41	50-2.41
(Å)	(2.41-2.37)	(2.42-2.38)	(2.43-2.39)	(2.45-2.41)	(2.45-2.41)
Mosaicity (º)	1.37	0.32	1.16	0.22	0.29
<I>/<σ(I)>	18.21 (3.99)	12.38 (2.03)	13.65 (2.02)	8.83 (2.18)	9.80 (2.23)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension	a = 78.99	a = 78.14	a = 78.52	a = 78.93	a = 79.00
a, b, c (Å)	b = 78.99	b = 78.14	b = 78.52	b = 78.93	b = 79.00
	c = 38.06	c = 38.13	c = 38.05	c = 38.18	c = 38.20
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time	5				
(min)					
Oscillation angle	1				
(°)					
Detector distance	200				
(mm)					
Wavelength (Å)	1.54178				

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 16	Crystal 17	Crystal 18	Crystal 19	Crystal 20
Resolution range	50-2.41	50-2.42	50-2.42	50-2.44	50-2.44

(Å)	(2.45-2.41)	(2.46-2.42)	(2.46-2.42)	(2.48-2.44)	(2.48-2.44)
Mosaicity (º)	0.40	0.45	1.15	0.25	1.04
<I>/<σ(I)>	9.37 (2.15)	10.05 (2.95)	11.67 (3.22)	8.24 (2.17)	9.56 (3.20)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension	a = 79.03	a = 78.64	a = 78.88	a = 78.84	a = 78.59
a, b, c (Å)	b = 79.03	b = 78.64	b = 78.88	b = 78.84	b = 78.59
	c = 37.86	c = 37.70	c = 38.35	c = 38.11	c = 38.22
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)			5		
Oscillation angle (°)			1		
Detector distance (mm)			200		
Wavelength (Å)			1.54178		

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 21	Crystal 22	Crystal 23	Crystal 24	Crystal 25
Resolution range	50-2.53	50-2.56	50-2.64	50-2.70	50-2.75
(Å)	(2.57-2.53)	(2.60-2.56)	(2.69-2.64)	(2.75-2.70)	(2.80-2.75)
Mosaicity (º)	0.87	0.61	0.26	0.99	0.23
<I>/<σ(I)>	11.48 (2.35)	14.36 (6.21)	7.06 (2.14)	6.99 (2.28)	6.55 (2.15)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension	a = 78.71	a = 78.77	a = 78.95	a = 78.65	a = 78.90
a, b, c (Å)	b = 78.71	b = 78.77	b = 78.95	b = 78.65	b = 78.90
	c = 38.27	c = 37.90	c = 38.18	c = 38.12	c = 38.13
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)			5		
Oscillation angle			1		

(°)	
Detector distance	200
(mm)	
Wavelength (Å)	1.54178

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 26	Crystal 27	Crystal 28	Crystal 29	Crystal 30
Resolution range	50-2.78	50-2.82	50-3.07	50-3.12	50-3.29
(Å)	(2.83-2.78)	(2.87-2.82)	(3.12-3.07)	(3.17-3.12)	(3.35-3.29)
Mosaicity (º)	1.45	0.69	0.38	0.81	1.45
<I>/<σ(I)>	11.09 (3.30)	11.00 (3.44)	7.15 (2.17)	7.00 (2.55)	10.38 (3.94)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension	a = 78.40	a = 78.13	a = 78.75	a = 77.15	a = 78.30
a, b, c (Å)	b = 78.40	b = 78.13	b = 78.75	b = 77.15	b = 78.30
	c = 38.00	c = 37.59	c = 38.20	c = 37.19	c = 37.36
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time	5				
(min)					
Oscillation angle	1				
(°)					
Detector distance	200				
(mm)					
Wavelength (Å)	1.54178				

Values in parentheses are for the highest resolution shell.

Table S12 X-ray diffraction data statistics of lysozyme crystals obtained at the control group in normal gravity outside the superconducting magnet with lysozyme concentration 60 mg/ml.

	Diffraction data statistics of lysozyme crystals				
	Crystal 1	Crystal 2	Crystal 3	Crystal 4	Crystal 5

Resolution range (Å)	50-2.15 (2.19-2.15)	50-2.18 (2.22-2.18)	50-2.19 (2.23-2.19)	50-2.19 (2.23-2.19)	50-2.20 (2.24-2.20)
Mosaicity (º)	1.97	0.58	0.40	0.47	0.53
<I>/<σ(I)>	14.21 (6.06)	17.37 (2.18)	12.05 (2.12)	12.92 (2.36)	12.64 (3.18)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension *a, b, c* (Å)	*a* = 78.66 *b* = 78.66 *c* = 38.20	*a* = 78.62 *b* = 78.62 *c* = 37.76	*a* = 78.30 *b* = 78.30 *c* = 38.36	*a* = 78.70 *b* = 78.70 *c* = 38.09	*a* = 78.69 *b* = 78.69 *c* = 37.96
α, β, γ (°)	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90
Exposure time (min)	5				
Oscillation angle (°)	1				
Detector distance (mm)	190	200	190	200	200
Wavelength (Å)	1.54178				

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 6	Crystal 7	Crystal 8	Crystal 9	Crystal 10
Resolution range (Å)	50-2.20 (2.24-2.20)	50-2.21 (2.25-2.21)	50-2.21 (2.25-2.21)	50-2.22 (2.26-2.22)	50-2.23 (2.27-2.23)
Mosaicity (º)	1.33	0.39	1.1	1.02	0.35
<I>/<σ(I)>	20.21 (2.51)	9.67 (2.01)	12.94 (2.76)	15.67 (6.22)	12.07 (3.24)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension *a, b, c* (Å)	*a* = 78.67 *b* = 78.67 *c* = 37.95	*a* = 78.82 *b* = 78.82 *c* = 37.90	*a* = 78.78 *b* = 78.78 *c* = 37.90	*a* = 78.72 *b* = 78.72 *c* = 37.70	*a* = 78.45 *b* = 78.45 *c* = 38.05
α, β, γ (°)	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90	*α* = *β* = *γ* = 90

Exposure time (min)	5
Oscillation angle (°)	1
Detector distance (mm)	200
Wavelength (Å)	1.54178

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 11	Crystal 12	Crystal 13	Crystal 14	Crystal 15
Resolution range (Å)	50-2.24 (2.28-2.24)	50-2.25 (2.29-2.25)	50-2.26 (2.30-2.26)	50-2.30 (2.34-2.30)	50-2.32 (2.36-2.32)
Mosaicity (º)	1.38	0.38	0.87	0.31	0.43
<I>/<σ(I)>	13.09 (2.79)	14.70 (3.33)	16.54 (3.72)	10.49 (2.44)	8.72 (2.28)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension *a, b, c* (Å)	*a* = 78.68 *b* = 78.68 *c* = 37.96	*a* = 78.59 *b* = 78.59 *c* = 38.32	*a* = 78.67 *b* = 78.67 *c* = 38.22	*a* = 79.03 *b* = 79.03 *c* = 38.18	*a* = 78.75 *b* = 78.75 *c* = 38.08
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)	5				
Oscillation angle (°)	1				
Detector distance (mm)	200	200	200	200	190
Wavelength (Å)	1.54178				

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 16	Crystal 17	Crystal 18	Crystal 19	Crystal 20
Resolution range	50-2.36	50-2.37	50-2.39	50-2.43	50-2.52
(Å)	(2.40-2.36)	(2.41-2.37)	(2.43-2.39)	(2.47-2.43)	(2.56-2.52)
Mosaicity (º)	0.90	0.32	0.55	0.47	0.47
<I>/<σ(I)>	9.75 (2.49)	9.34 (2.73)	9.04 (2.68)	9.38 (2.34)	8.53 (2.03)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension	a = 78.89	a = 79.03	a = 78.03	a = 78.79	a = 78.75
a, b, c (Å)	b = 78.89	b = 79.03	b = 78.03	b = 78.79	b = 78.75
	c = 37.72	c = 38.11	c = 37.95	c = 38.43	c = 38.37
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)	5				
Oscillation angle (°)	1				
Detector distance (mm)	200				
Wavelength (Å)	1.54178				

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 21	Crystal 22	Crystal 23	Crystal 24	Crystal 25
Resolution range	50-2.68	50-2.69	50-2.72	50-2.79	50-2.85
(Å)	(2.73-2.68)	(2.74-2.69)	(2.77-2.72)	(2.84-2.79)	(2.90-2.85)
Mosaicity (º)	0.29	5.41	1.22	0.41	4.67
<I>/<σ(I)>	7.69 (2.61)	8.08 (5.01)	11.83 (2.22)	7.76 (2.06)	9.53 (5.26)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension	a = 78.18	a = 78.82	a = 78.59	a = 78.67	a = 78.53
a, b, c (Å)	b = 78.18	b = 78.82	b = 78.59	b = 78.67	b = 78.53

	c = 38.56	c = 37.81	c = 38.02	c = 38.34	c = 38.54
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)			5		
Oscillation angle (°)			1		
Detector distance (mm)	200	200	200	200	190
Wavelength (Å)			1.54178		

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals				
	Crystal 26	Crystal 27	Crystal 28	Crystal 29	Crystal 30
Resolution range (Å)	50-2.87 (2.92-2.87)	50-2.90 (2.95-2.90)	50-2.94 (2.99-2.94)	50-2.95 (3.00-2.95)	50-3.06 (3.11-3.06)
Mosaicity (º)	0.22	0.81	0.29	0.32	0.19
<I>/<σ(I)>	7.40 (2.28)	9.04 (7.50)	6.06 (2.29)	7.75 (2.49)	5.59 (2.25)
Space group	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$	$P4_32_12$
Cell dimension	a = 78.83	a = 79.13	a = 79.09	a = 78.92	a = 78.85
a, b, c (Å)	b = 78.83	b = 79.13	b = 79.09	b = 78.92	b = 78.85
	c = 38.07	c = 37.96	c = 38.05	c = 38.02	c = 38.07
α, β, γ (°)	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$	$\alpha = \beta = \gamma = 90$
Exposure time (min)			5		
Oscillation angle (°)			1		
Detector distance (mm)			200		
Wavelength (Å)			1.54178		

Values in parentheses are for the highest resolution shell.

	Diffraction data statistics of lysozyme crystals
	Crystal 31
Resolution range	50-3.17
(Å)	(3.22-3.17)
Mosaicity (º)	0.86
<I>/<σ(I)>	6.17 (2.26)
Space group	$P4_32_12$
Cell dimension	a = 78.68
a, b, c (Å)	b = 78.68
	c = 37.80
α, β, γ (°)	$\alpha = \beta = \gamma = 90$
Exposure time	5
(min)	
Oscillation angle	1
(°)	
Detector distance	200
(mm)	
Wavelength (Å)	1.54178

Values in parentheses are for the highest resolution shell.