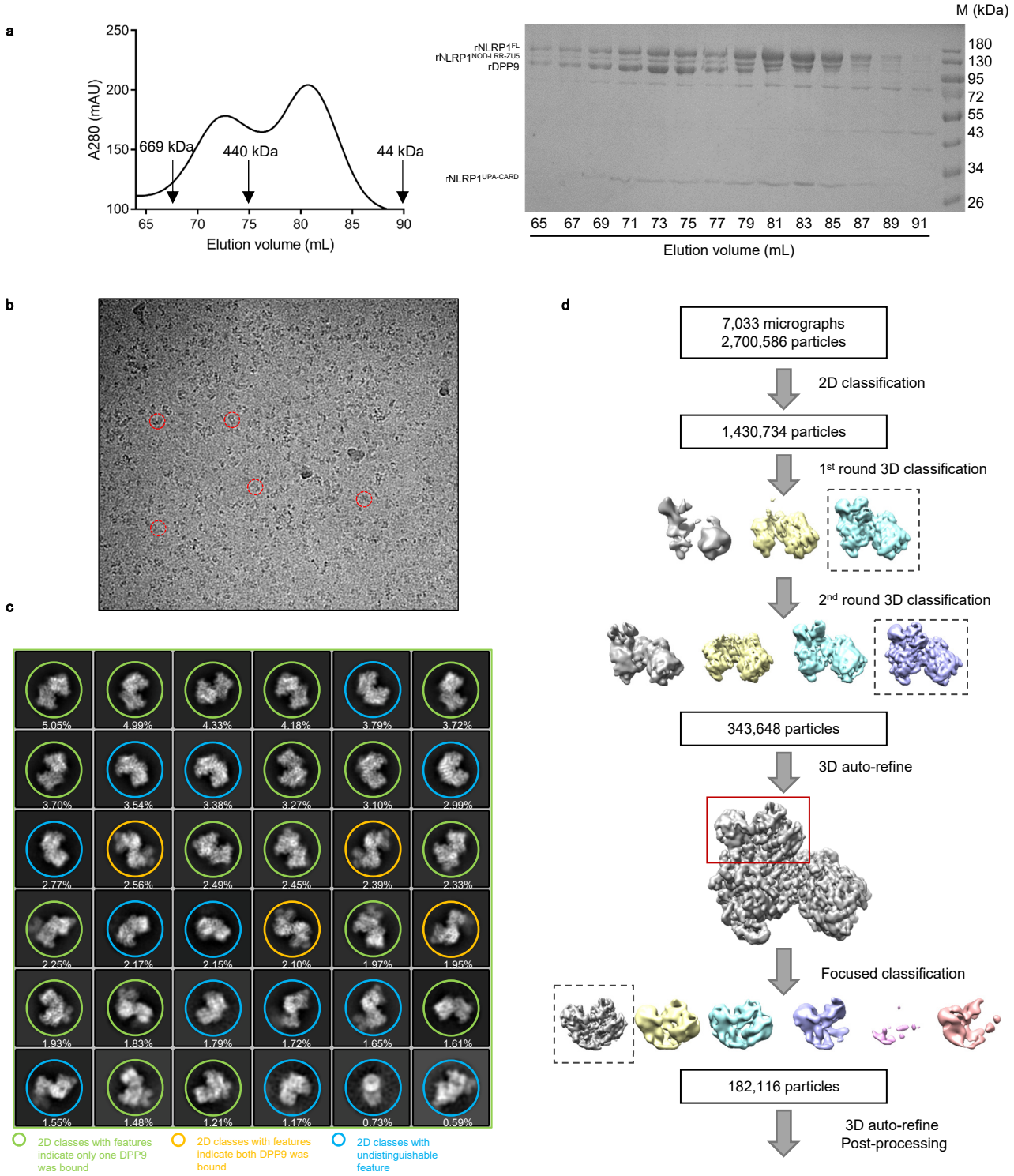
a
250
200
150
100
A280 (mAU)
669 kDa
440 kDa
44 kDa
65 70 75 80 85 90
Elution volume (mL)
M (kDa)
rNLRP1FL
rNLRP1NOD-LRR-ZU5
rDPP9
rNLRP1UPA-CARD
180
130
95
72
55
43
34
26
65 67 69 71 73 75 77 79 81 83 85 87 89 91
Elution volume (mL)
b
c
5.05% 4.99% 4.33% 4.18% 3.79% 3.72%
3.70% 3.54% 3.38% 3.27% 3.10% 2.99%
2.77% 2.56% 2.49% 2.45% 2.39% 2.33%
2.25% 2.17% 2.15% 2.10% 1.97% 1.95%
1.93% 1.83% 1.79% 1.72% 1.65% 1.61%
1.55% 1.48% 1.21% 1.17% 0.73% 0.59%
2D classes with features indicate only one DPP9 was bound
2D classes with features indicate both DPP9 was bound
2D classes with undistinguishable feature
d
7,033 micrographs
2,700,586 particles
2D classification
1,430,734 particles
1st round 3D classification
2nd round 3D classification
343,648 particles
3D auto-refine
Focused classification
182,116 particles
3D auto-refine
Post-processing
e
3.1
3.5
3.9
4.3
4.7
f
Fourier Shell Correlation
1.0
0.8
0.6
0.4
0.2
0.0
unmasked
masked
FSC=0.143
3.18Å
0.0 0.1 0.2 0.3 0.4 0.5
Resolution (1/Å)
3.18 Å