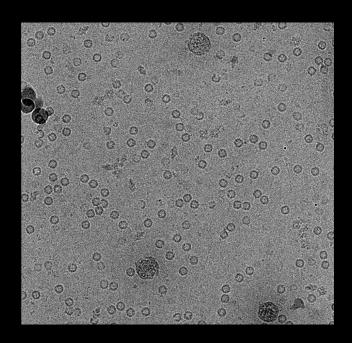
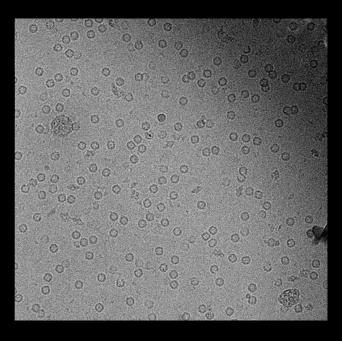
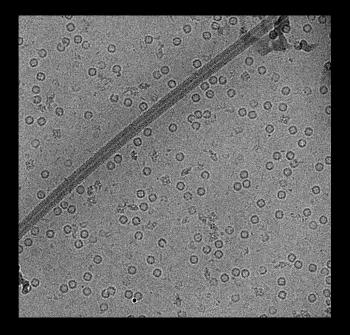
INTRODUCTION TO EMPIAR-11693 DATASET (EM-LADDER)

MICROGRAPHS TELL A TALE

- What is the format of these micrographs?
- Is this negative-stained or cryo-sample?
- How many types of particles do you see?
- What are the dark spots on these micrographs?
- Do you see any contrast gradients, can they affect you reconstructions?

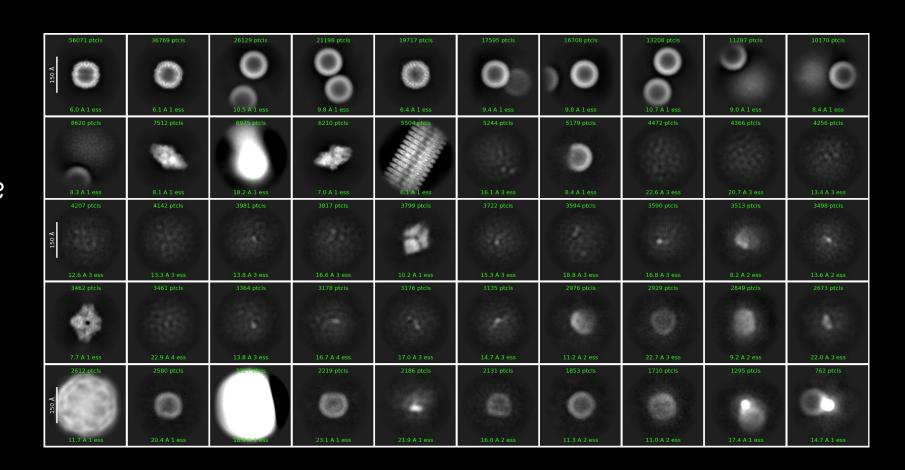






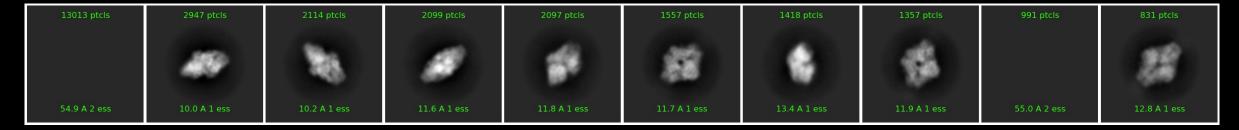
JUNK OR GOLD?

- 2D classification often provides a first glimpse into the sample/data quality
- Which ptcls are "ours"?

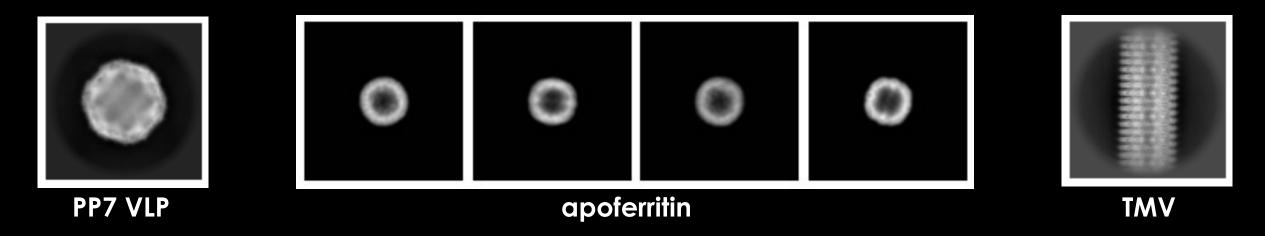


JUNK OR GOLD?

2D classification averages, same box size?

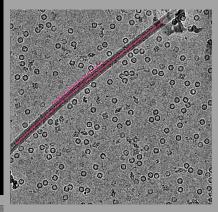


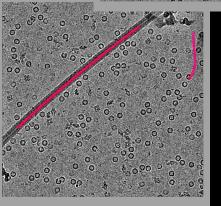
Beta-galactosidase

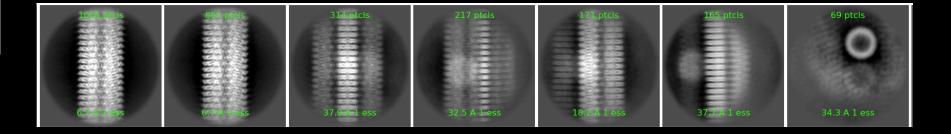


GOOD OR "EVIL" PICKS?

• 2D classification often provides a first glimpse into the sample/data quality







3D SYMPHONY

