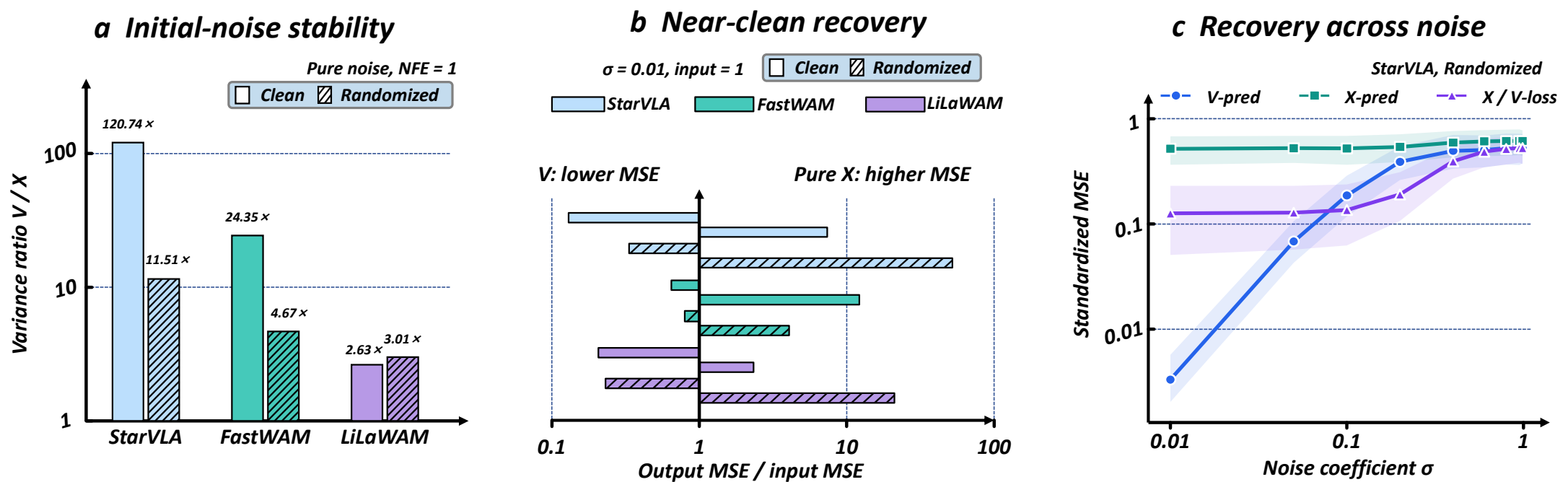

a Initial-noise stability
Pure noise, NFE = 1
Clean
Randomized
Variance ratio V / X
100
10
1
120.74 ×
11.51 ×
24.35 ×
4.67 ×
2.63 ×
3.01 ×
StarVLA
FastWAM
LiLaWAM
b Near-clean recovery
σ = 0.01, input = 1
Clean
Randomized
StarVLA
FastWAM
LiLaWAM
V: lower MSE
Pure X: higher MSE
0.1
1
10
100
Output MSE / input MSE
c Recovery across noise
StarVLA, Randomized
V-pred
X-pred
X / V-loss
Standardized MSE
1
0.1
0.01
0.01
0.1
1
Noise coefficient σ