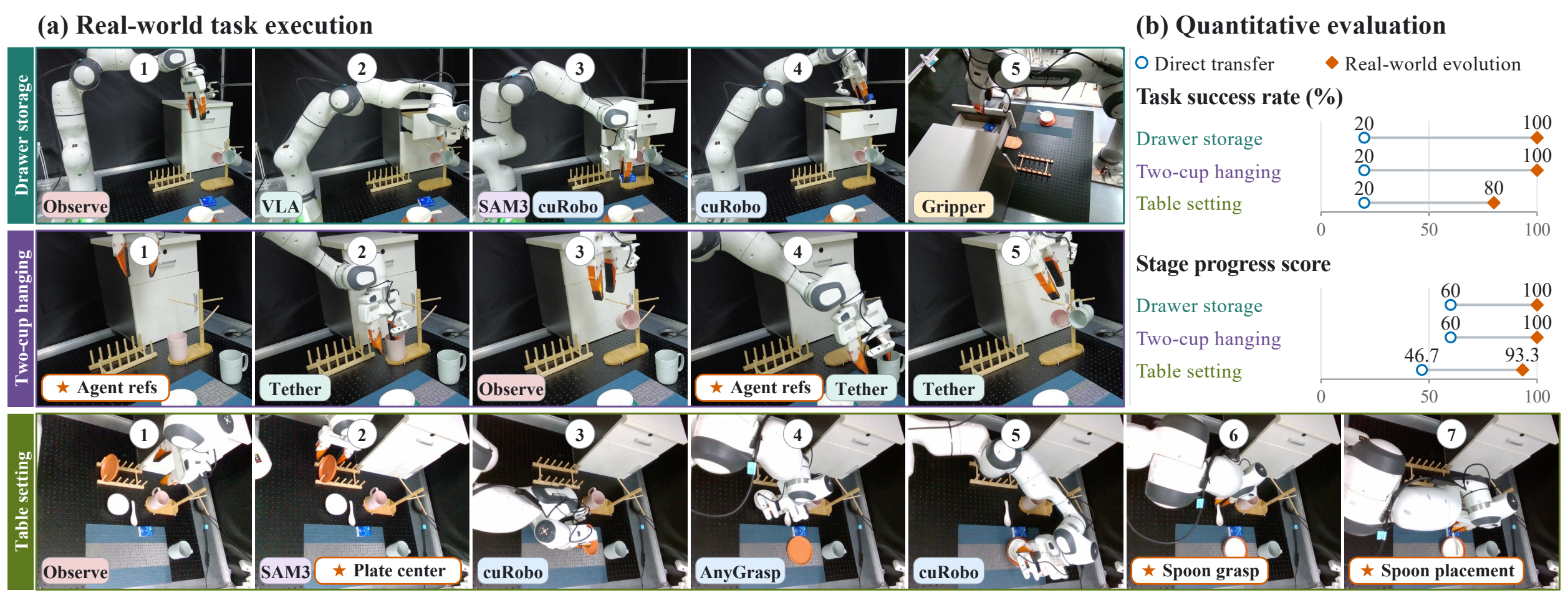
(a) Real-world task execution
(b) Quantitative evaluation
Drawer storage
Two-cup hanging
Table setting
1
Observe
2
VLA
3
SAM3
cuRobo
4
cuRobo
5
Gripper
1
★ Agent refs
2
Tether
3
Observe
4
★ Agent refs
Tether
5
Tether
1
Observe
2
SAM3
★ Plate center
3
cuRobo
4
AnyGrasp
5
cuRobo
6
★ Spoon grasp
7
★ Spoon placement
Direct transfer
Real-world evolution
Task success rate (%)
Drawer storage
Two-cup hanging
Table setting
20
100
20
100
20
80
0
50
100
Stage progress score
Drawer storage
Two-cup hanging
Table setting
60
100
60
100
46.7
93.3
0
50
100