

Supplementary Table 2

Table 2. Multiple object tracking accuracy for the systems evaluated

No.	MOTP (pixels)				MOTA			
	idTracker	Segment + idTracker	Loli Tracker	Proposed system	idTracker	Segmen+ idTracker	Loli Tracker	Proposed system
1	11.388	NaN*	11.662	6.346	1.000	NaN*	0.990	0.988
2	21.434	12.176	18.395	15.024	0.541	0.922	0.921	0.853
3	20.648	20.879	18.854	8.113	1	0.975	0.985	0.998
4	16.728	17.665	23.208	10.669	0.987	0.840	0.987	0.993
5	21.545	21.727	21.890	15.525	-0.01	0.895	0.139	0.994
6	13.151	12.562	15.020	12.786	-0.27	-0.0864	0.914	0.936
7	25.230	43.746	80.630	30.082	0.005	0.725	0.504	0.954
8	53.096	59.666	98.936	36.901	-0.39	0.739	0.209	0.956
9	29.921	48.739	142.834	15.960	0.673	-0.1071	0.327	0.989
10	219.329	27.532	189.975	25.121	-0.18	0.133	0.906	0.920
Average	43.247	29.410	62.14	17.65	0.33	0.56	0.69	0.96

* No valid data generated due to the running error when testing sequence 1.