

FAILED QUERIES

Baseline unpartitioned

benchmark query mean_duration std_dev

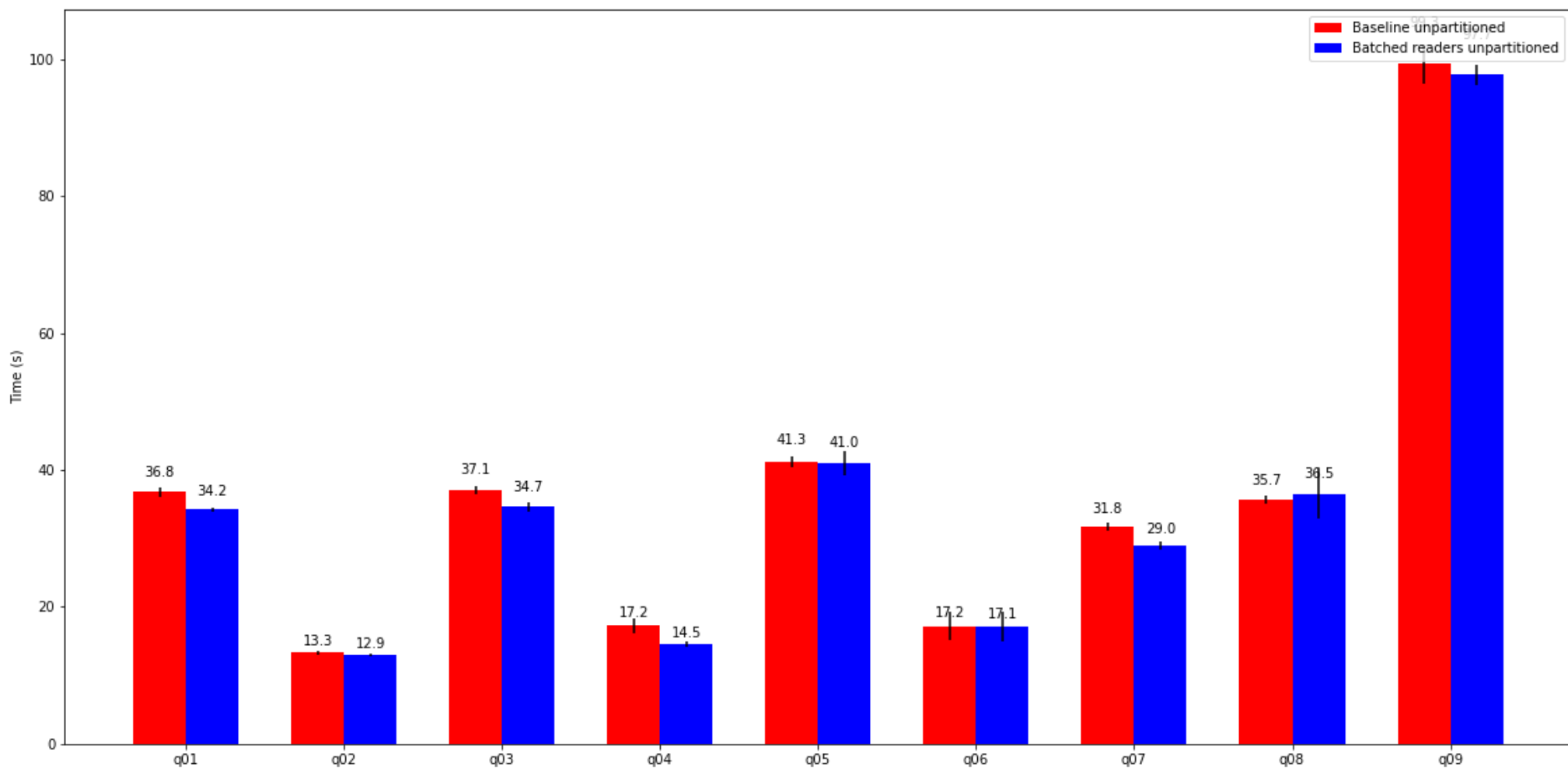
Batched readers unpartitioned

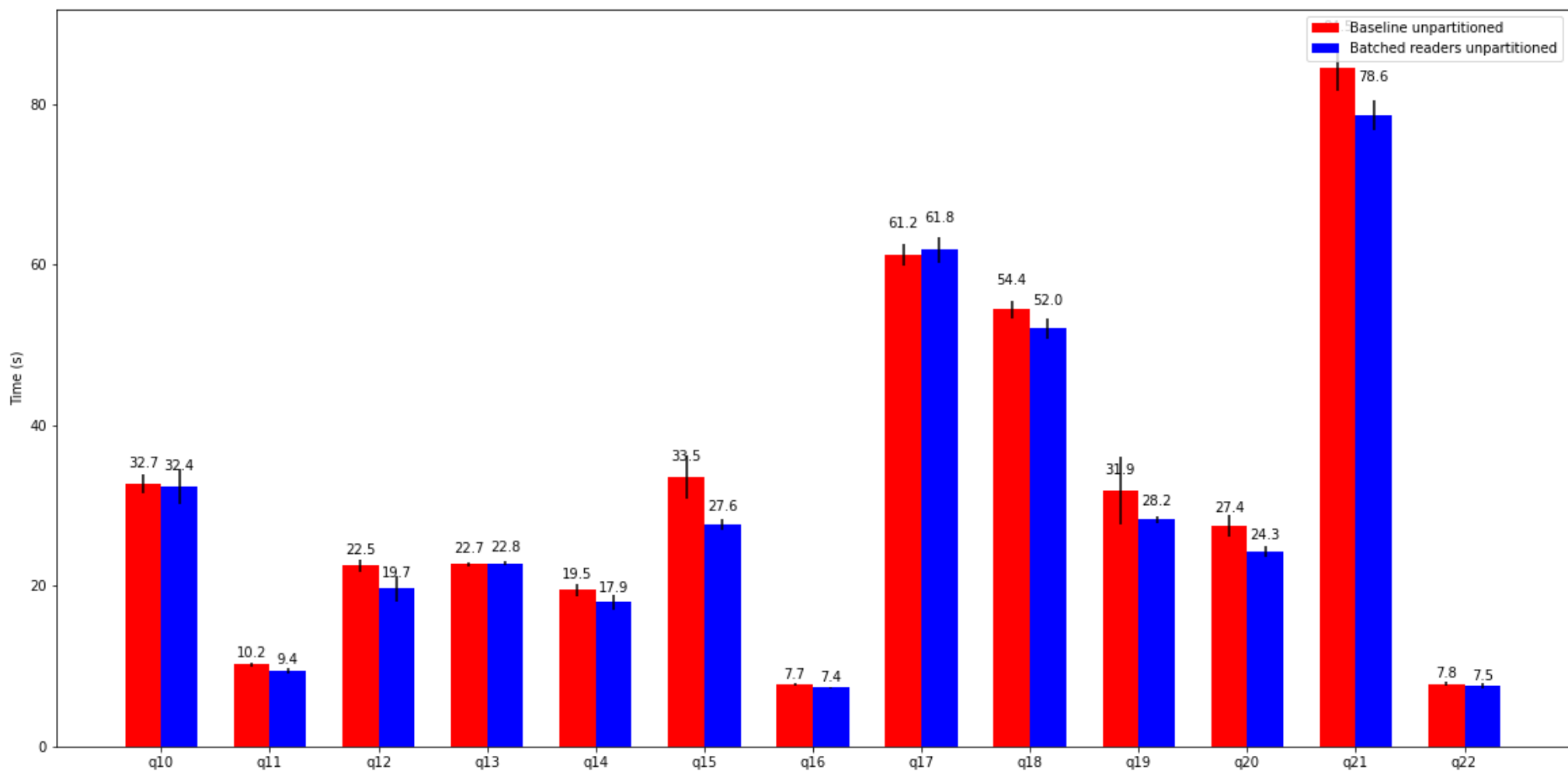
benchmark query mean_duration std_dev

SUMMARY

	label	TPCH wall time	TPC-DS wall time	TPCH CPU time	TPC-DS CPU time	TPCH physicalInputDataSize	TPC-DS physicalInputDataSize	TPCH peak memory	TPC-DS peak memory	TPCH planning time	TPC-planni ti
0	Baseline unpartitioned	745.845333	1960.649500	90175.800000	287410.753833	1.693 TiB	3.309 TiB	753.736 GiB	1.419 TiB	3.276827	40.6173
1	Batched readers unpartitioned	707.368167	1655.148167	80736.700000	229276.144333	1.693 TiB	3.309 TiB	735.520 GiB	1.332 TiB	3.583313	41.1244

TPC-H Comparison (DURATION)

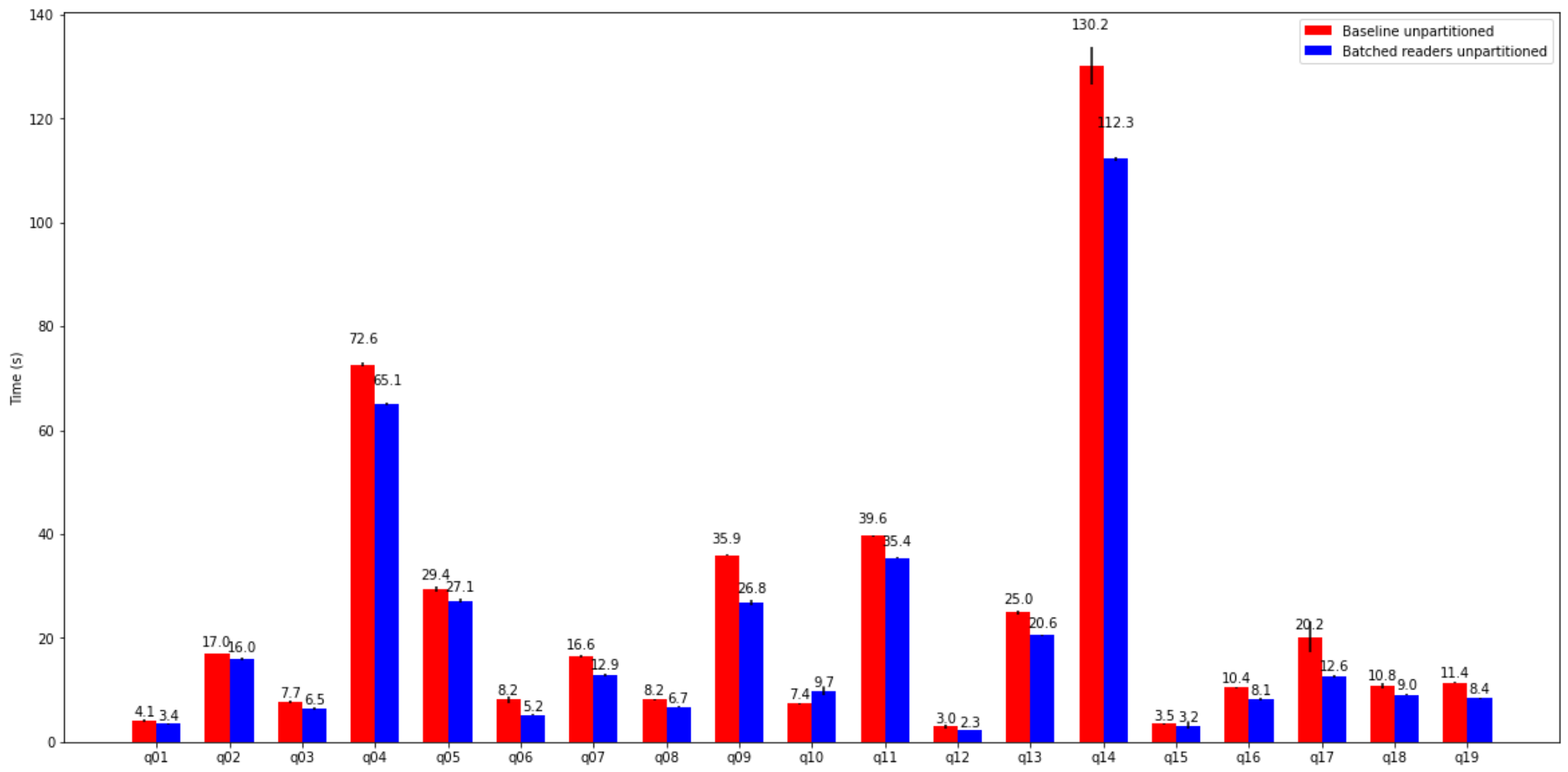


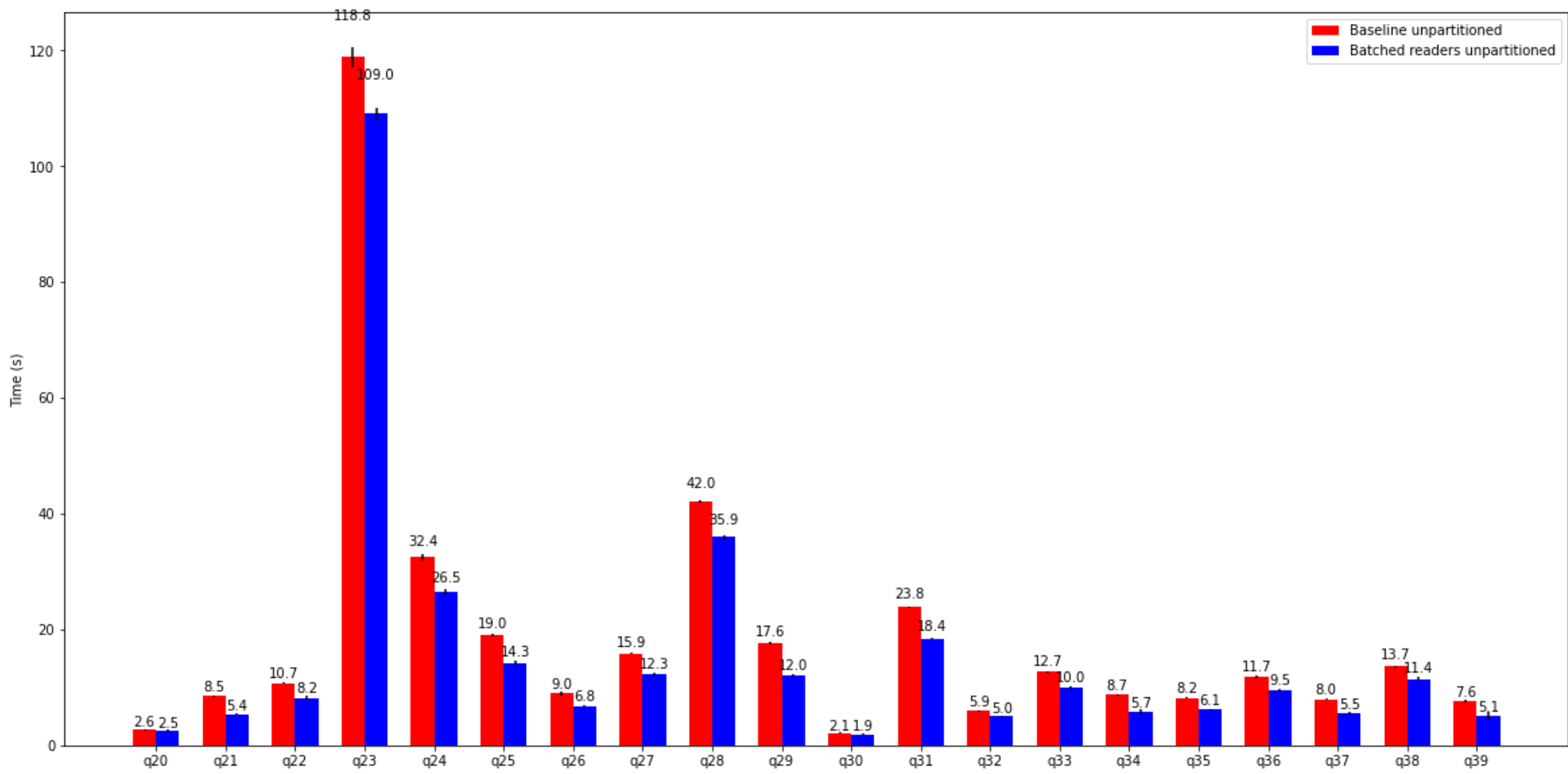


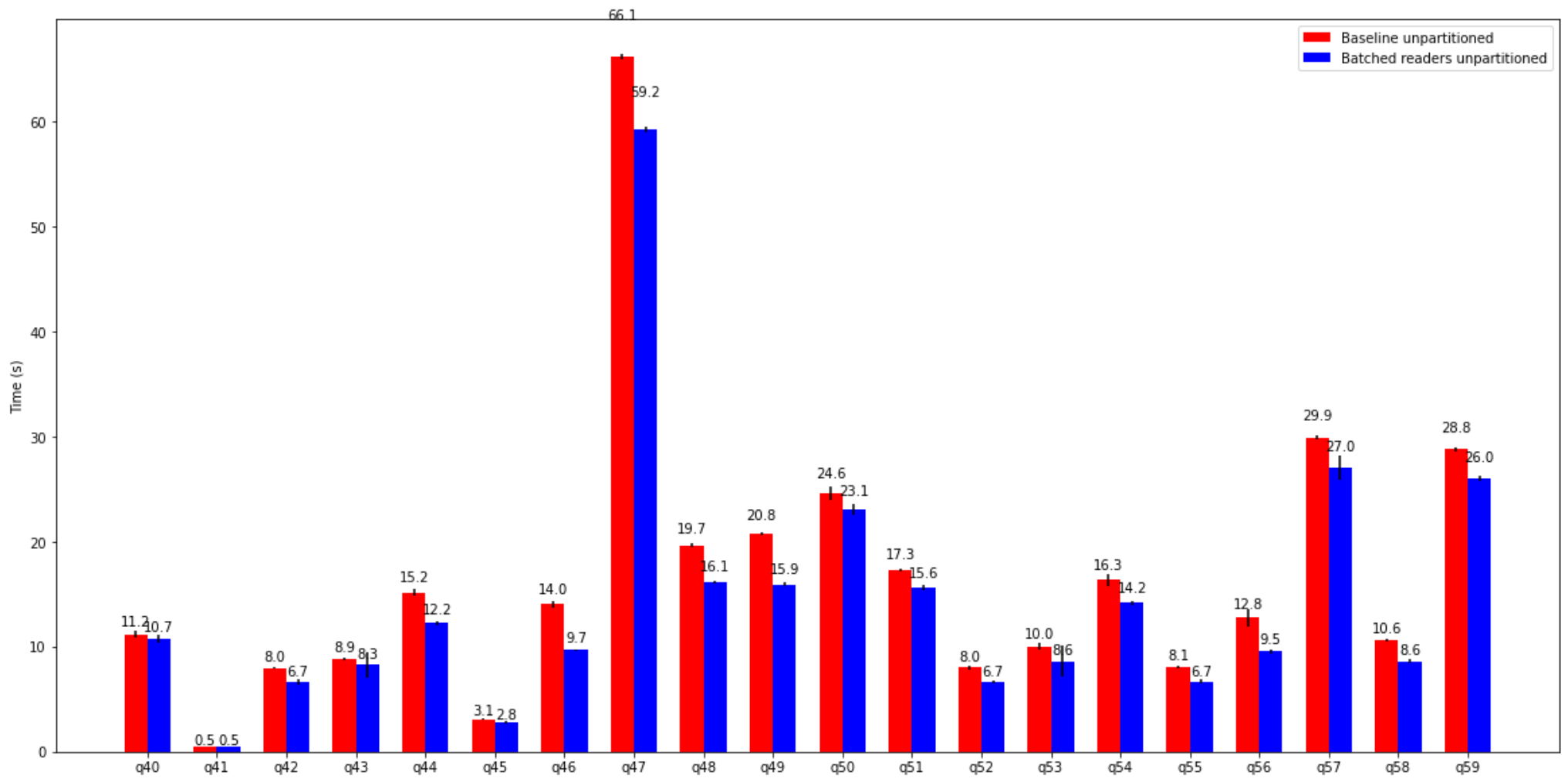
query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Batched readers unpartitioned mean	Batched readers unpartitioned std.dev
0 presto/tpch: q01	36.804667	0.665991	34.226333	0.281420
1 presto/tpch: q02	13.333667	0.303075	12.933500	0.209950
2 presto/tpch: q03	37.074333	0.589284	34.659667	0.704002
3 presto/tpch: q04	17.229167	1.022349	14.501500	0.409339
4 presto/tpch: q05	41.271667	0.799897	41.005833	1.855753
5 presto/tpch: q06	17.204167	2.049258	17.099667	2.166358
6 presto/tpch: q07	31.786667	0.615537	28.981667	0.522309
7 presto/tpch: q08	35.714833	0.640443	36.531500	3.708686
8 presto/tpch: q09	99.328333	2.806351	97.718000	1.401862

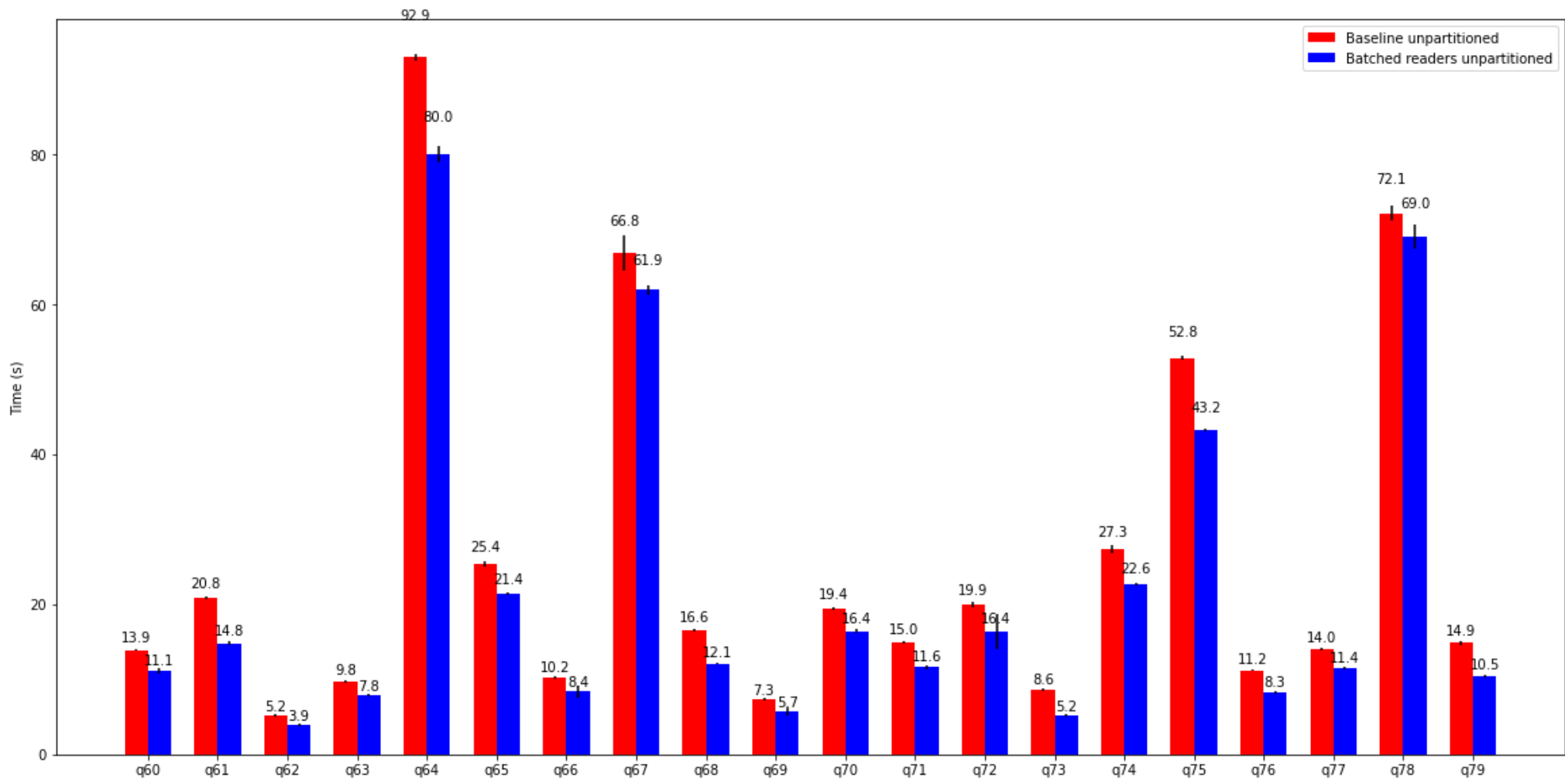
	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Batched readers unpartitioned mean	Batched readers unpartitioned std.dev
9	presto/tpch: q10	32.678000	1.199895	32.352833	2.206003
10	presto/tpch: q11	10.216167	0.236825	9.437667	0.388211
11	presto/tpch: q12	22.544500	0.750822	19.699167	1.610118
12	presto/tpch: q13	22.702833	0.294034	22.818667	0.293257
13	presto/tpch: q14	19.494667	0.762520	17.938833	0.957398
14	presto/tpch: q15	33.505333	2.714497	27.624000	0.743885
15	presto/tpch: q16	7.713833	0.169825	7.358167	0.110550
16	presto/tpch: q17	61.240500	1.385149	61.811333	1.594972
17	presto/tpch: q18	54.441333	1.096760	52.027500	1.270680
18	presto/tpch: q19	31.869833	4.188247	28.247000	0.411391
19	presto/tpch: q20	27.446333	1.350772	24.271500	0.668239
20	presto/tpch: q21	84.450667	2.901178	78.583000	1.924456
21	presto/tpch: q22	7.793833	0.247258	7.540833	0.366940

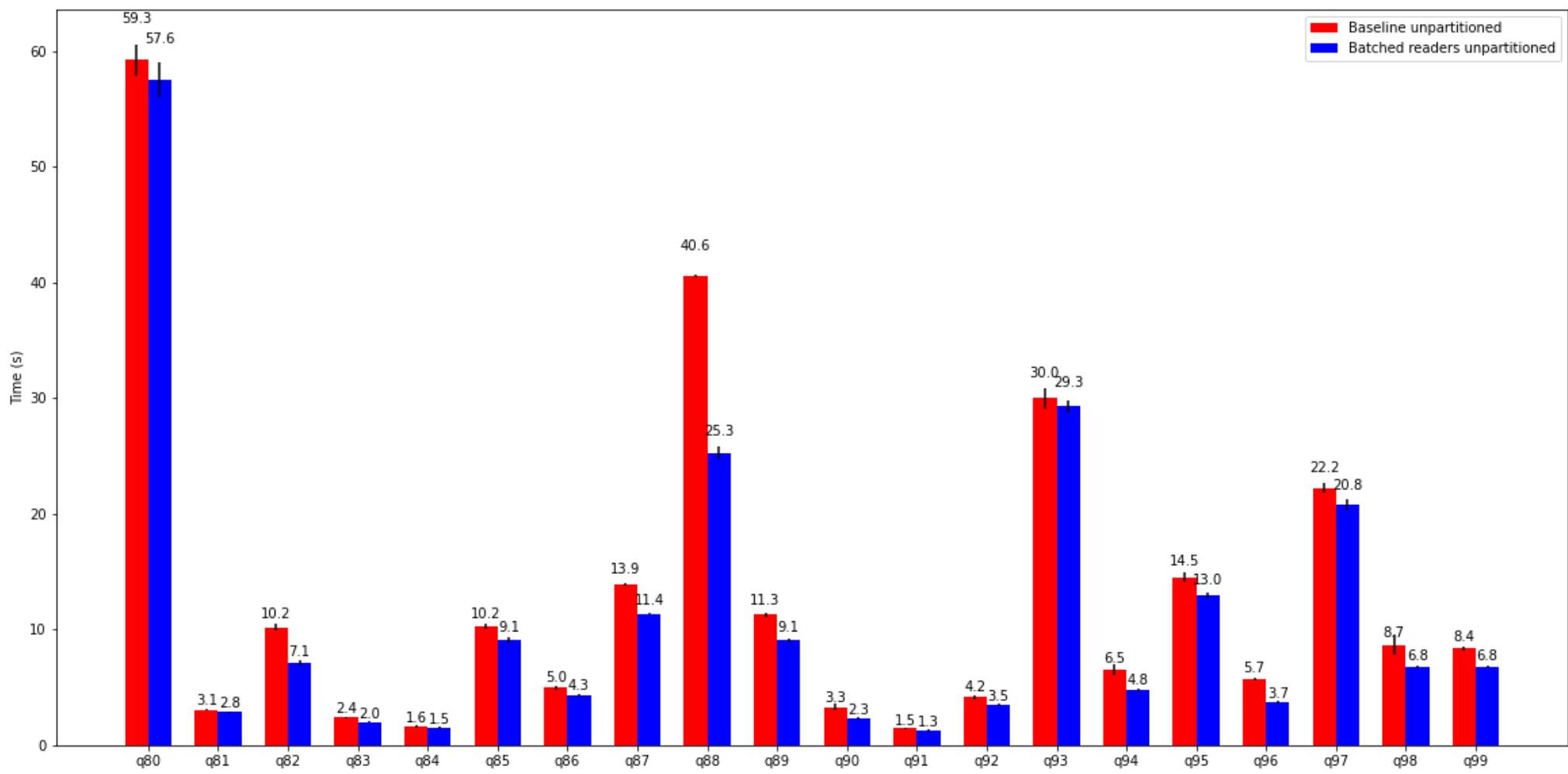
TPC-DS Comparison (DURATION)

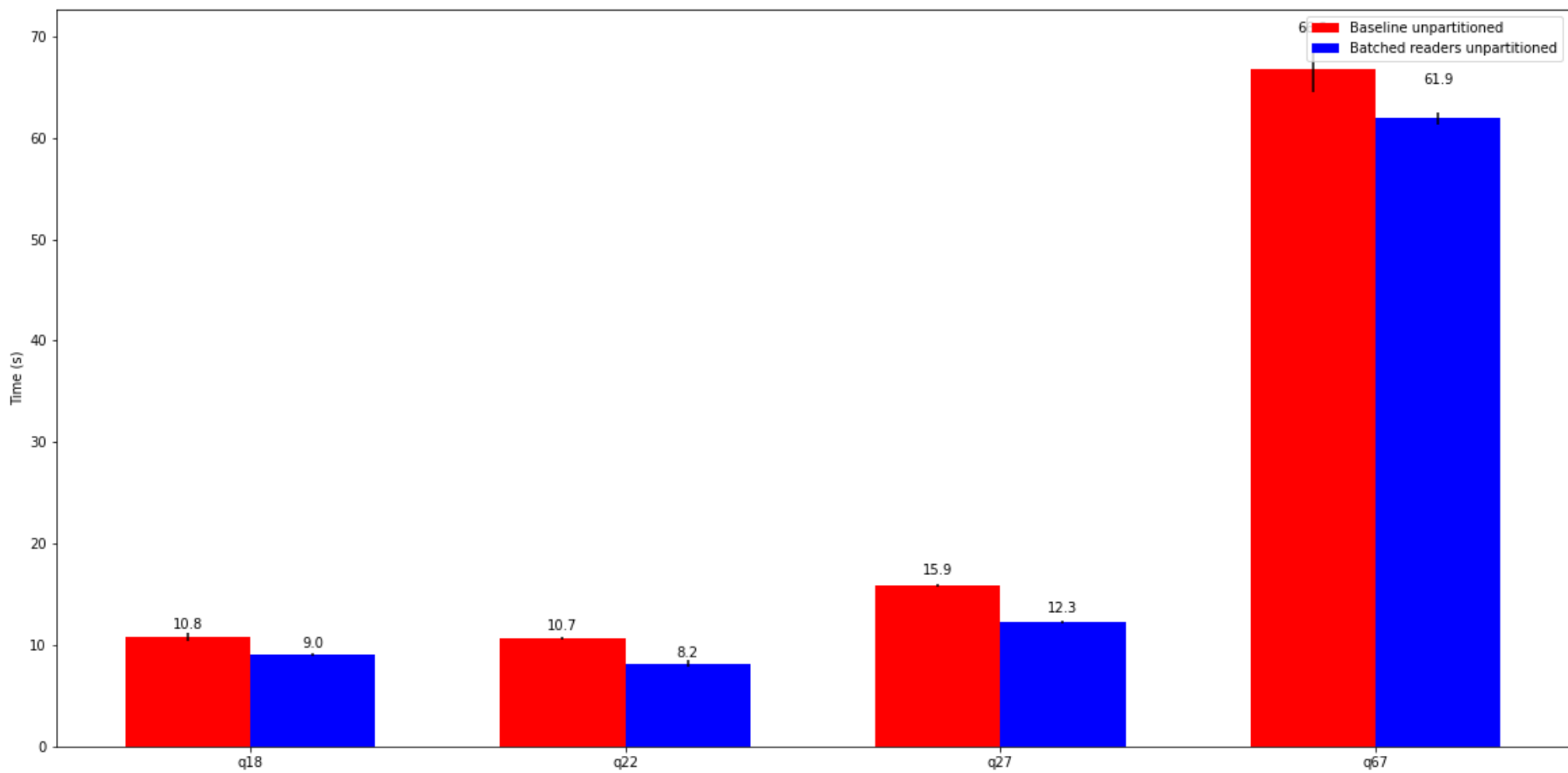












	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Batched readers unpartitioned mean	Batched readers unpartitioned std.dev
0	presto/tpcds: q01	4.112500	0.243886	3.441667	0.204812
1	presto/tpcds: q02	17.048333	0.041908	15.958833	0.202886
2	presto/tpcds: q03	7.702667	0.141487	6.488833	0.236336
3	presto/tpcds: q04	72.624000	0.337262	65.071667	0.269544
4	presto/tpcds: q05	29.418167	0.552319	27.111667	0.378782
5	presto/tpcds: q06	8.175000	0.625021	5.180333	0.140667

	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Batched readers unpartitioned mean	Batched readers unpartitioned std.dev
6	presto/tpcds: q07	16.562667	0.266559	12.881500	0.233316
7	presto/tpcds: q08	8.158000	0.147177	6.694833	0.135826
8	presto/tpcds: q09	35.938500	0.185087	26.822500	0.426356
9	presto/tpcds: q10	7.389667	0.104953	9.733500	0.819354
10	presto/tpcds: q11	39.636833	0.191812	35.382667	0.134055
11	presto/tpcds: q12	3.025667	0.397571	2.336000	0.062572
12	presto/tpcds: q13	24.976500	0.366680	20.578167	0.136343
13	presto/tpcds: q14	130.175167	3.549668	112.267000	0.380003
14	presto/tpcds: q15	3.524167	0.109677	3.172833	0.730872
15	presto/tpcds: q16	10.440833	0.196199	8.137333	0.239472
16	presto/tpcds: q17	20.217000	2.989456	12.588333	0.278814
17	presto/tpcds: q18	10.803167	0.399946	9.039833	0.165402
18	presto/tpcds: q19	11.352833	0.100015	8.366500	0.095693
19	presto/tpcds: q20	2.640000	0.199673	2.468667	0.262672
20	presto/tpcds: q21	8.452833	0.169533	5.370500	0.072038
21	presto/tpcds: q22	10.682167	0.109222	8.176667	0.338002
22	presto/tpcds: q23	118.820333	1.707672	109.027167	1.125594
23	presto/tpcds: q24	32.436167	0.663951	26.481500	0.385179
24	presto/tpcds: q25	18.951500	0.243112	14.268667	0.297724
25	presto/tpcds: q26	8.971500	0.381787	6.816500	0.178183
26	presto/tpcds: q27	15.857833	0.113136	12.271167	0.160956
27	presto/tpcds: q28	42.004500	0.214804	35.940833	0.259632
28	presto/tpcds: q29	17.594333	0.194956	12.037667	0.191829
29	presto/tpcds: q30	2.073500	0.136875	1.927167	0.050221
30	presto/tpcds: q31	23.820833	0.132011	18.411500	0.085498

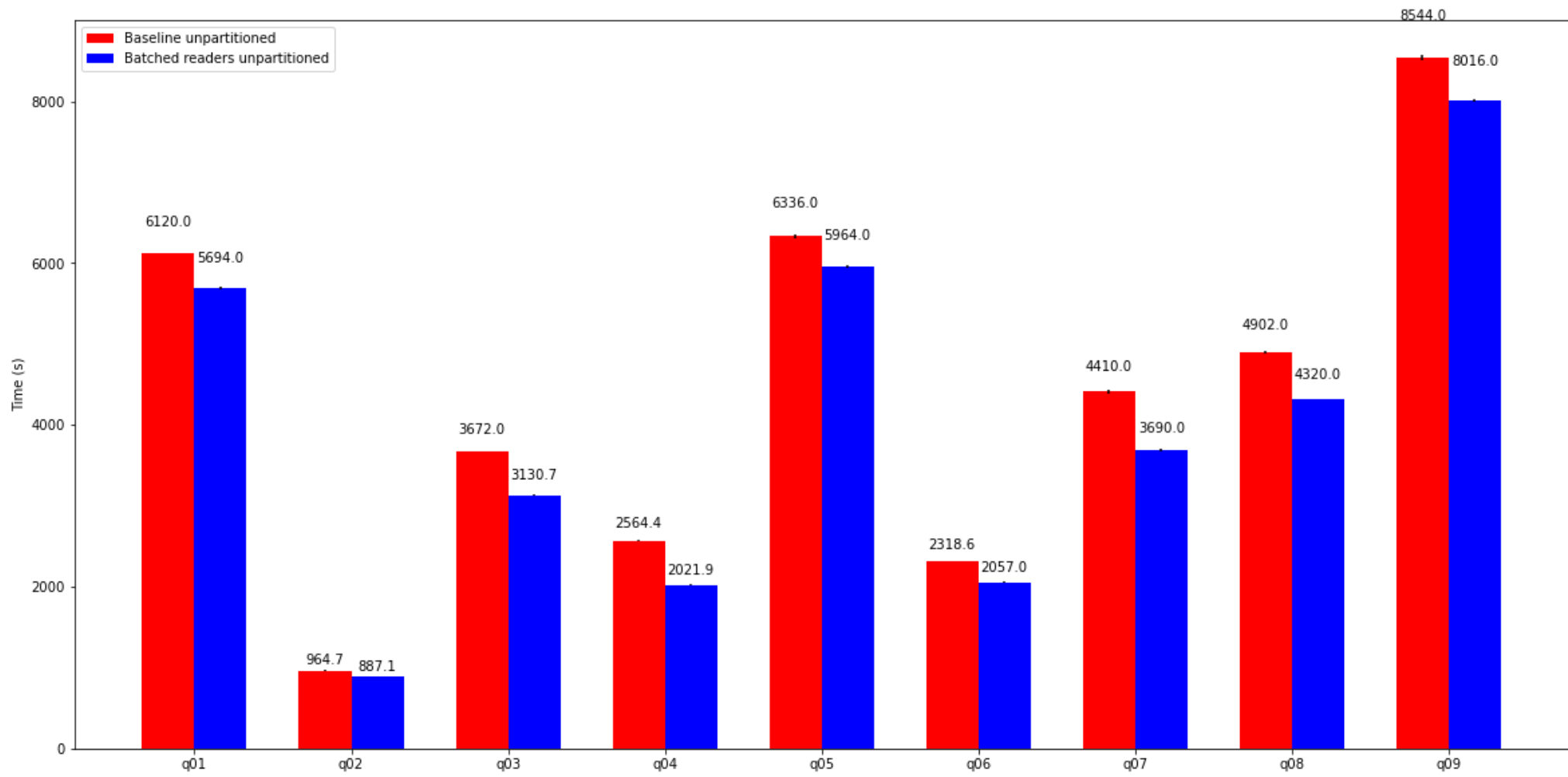
	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Batched readers unpartitioned mean	Batched readers unpartitioned std.dev
31	presto/tpcds: q32	5.904833	0.068852	4.979500	0.187585
32	presto/tpcds: q33	12.662500	0.151777	9.974667	0.188612
33	presto/tpcds: q34	8.714500	0.089081	5.679000	0.480774
34	presto/tpcds: q35	8.159333	0.073331	6.132500	0.220040
35	presto/tpcds: q36	11.724500	0.226731	9.490167	0.329284
36	presto/tpcds: q37	7.975667	0.096297	5.504333	0.199294
37	presto/tpcds: q38	13.674500	0.119155	11.448667	0.366289
38	presto/tpcds: q39	7.621833	0.188677	5.078667	0.616822
39	presto/tpcds: q40	11.186167	0.369768	10.737333	0.330684
40	presto/tpcds: q41	0.470833	0.011161	0.456333	0.009750
41	presto/tpcds: q42	7.959000	0.038236	6.664167	0.248012
42	presto/tpcds: q43	8.867833	0.143877	8.293667	1.225667
43	presto/tpcds: q44	15.152500	0.285211	12.249333	0.192077
44	presto/tpcds: q45	3.110000	0.082431	2.799167	0.106863
45	presto/tpcds: q46	14.047833	0.303515	9.708000	0.063166
46	presto/tpcds: q47	66.096500	0.281533	59.189500	0.255500
47	presto/tpcds: q48	19.653500	0.182170	16.130167	0.172143
48	presto/tpcds: q49	20.791167	0.142342	15.873500	0.192654
49	presto/tpcds: q50	24.592333	0.613393	23.052167	0.486314

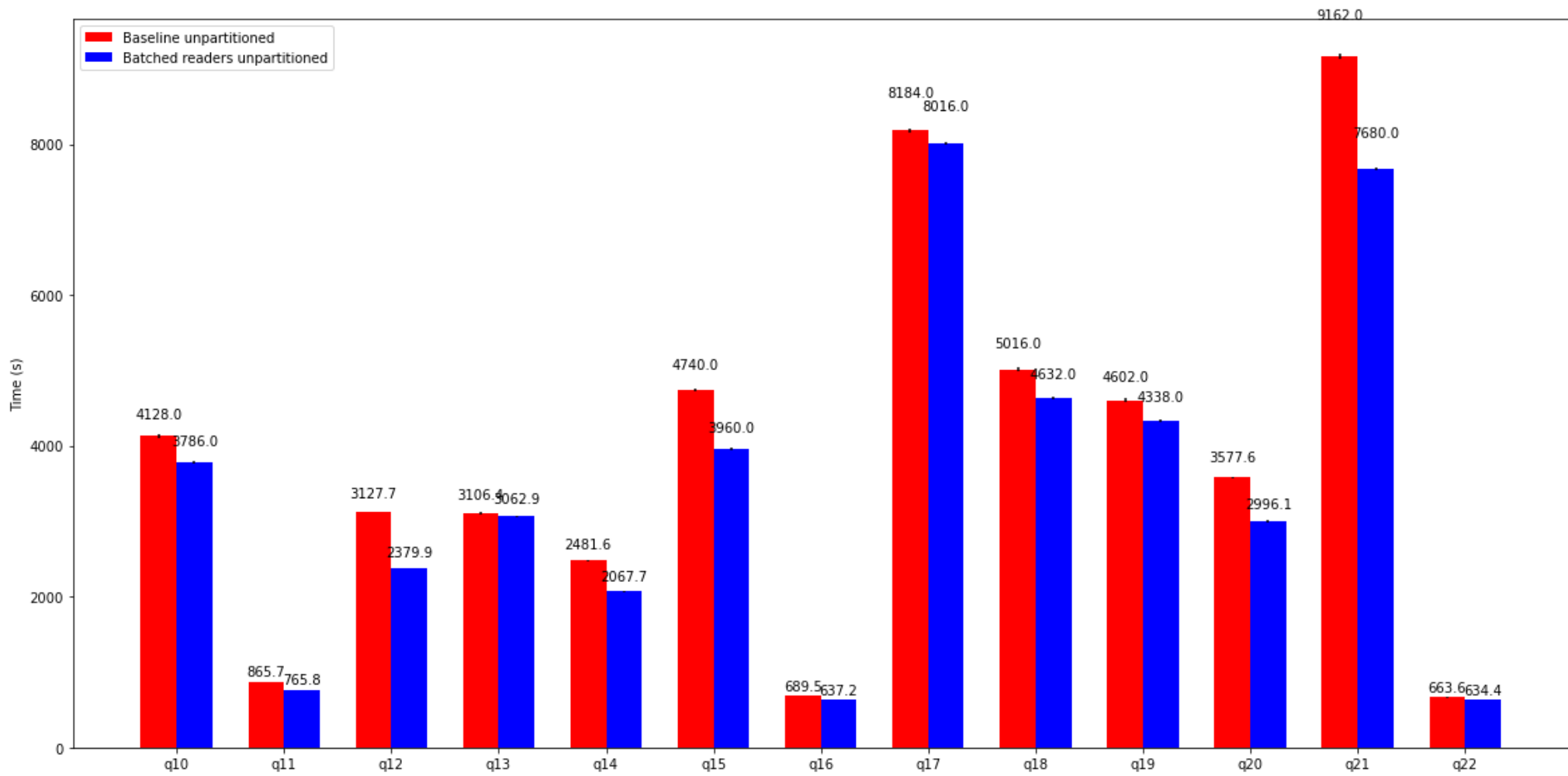
	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Batched readers unpartitioned mean	Batched readers unpartitioned std.dev
50	presto/tpcds: q51	17.279667	0.074034	15.613333	0.208796
51	presto/tpcds: q52	8.033833	0.184527	6.658000	0.171137
52	presto/tpcds: q53	10.037833	0.322368	8.583833	1.477017
53	presto/tpcds: q54	16.322333	0.534236	14.184833	0.188480
54	presto/tpcds: q55	8.093667	0.119951	6.694667	0.192471
55	presto/tpcds: q56	12.753500	0.815910	9.536167	0.165669
56	presto/tpcds: q57	29.886167	0.160292	27.048500	1.138361
57	presto/tpcds: q58	10.605500	0.156810	8.627833	0.227074
58	presto/tpcds: q59	28.760500	0.206033	26.035000	0.229814
59	presto/tpcds: q60	13.936333	0.086139	11.099833	0.329847
60	presto/tpcds: q61	20.813667	0.198211	14.795333	0.295497
61	presto/tpcds: q62	5.240333	0.149829	3.941667	0.143930
62	presto/tpcds: q63	9.769500	0.175933	7.836833	0.182637
63	presto/tpcds: q64	92.911333	0.427862	80.004167	1.125223
64	presto/tpcds: q65	25.411667	0.368349	21.414167	0.120448
65	presto/tpcds: q66	10.230667	0.120721	8.352667	0.833632
66	presto/tpcds: q67	66.830667	2.339586	61.927333	0.588643
67	presto/tpcds: q68	16.562000	0.139420	12.119667	0.134680
68	presto/tpcds: q69	7.333333	0.141644	5.744500	0.492559
69	presto/tpcds: q70	19.435000	0.232937	16.392667	0.289894
70	presto/tpcds: q71	14.976333	0.183226	11.611500	0.210043

	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Batched readers unpartitioned mean	Batched readers unpartitioned std.dev
71	presto/tpcds: q72	19.940667	0.360597	16.364667	2.314956
72	presto/tpcds: q73	8.639167	0.196033	5.244500	0.201370
73	presto/tpcds: q74	27.318333	0.561613	22.638333	0.172420
74	presto/tpcds: q75	52.844833	0.278007	43.215667	0.210665
75	presto/tpcds: q76	11.202333	0.106669	8.258333	0.124175
76	presto/tpcds: q77	13.957167	0.190429	11.446333	0.184927
77	presto/tpcds: q78	72.104000	0.971258	69.009667	1.542884
78	presto/tpcds: q79	14.892500	0.262548	10.468500	0.212259
79	presto/tpcds: q80	59.256667	1.321436	57.589167	1.533220
80	presto/tpcds: q81	3.060667	0.078513	2.847667	0.067150
81	presto/tpcds: q82	10.190833	0.297427	7.115000	0.270680
82	presto/tpcds: q83	2.409667	0.071355	1.983500	0.056113
83	presto/tpcds: q84	1.615000	0.076840	1.510000	0.071905
84	presto/tpcds: q85	10.245167	0.230648	9.091000	0.216488
85	presto/tpcds: q86	4.955833	0.206259	4.314000	0.086473
86	presto/tpcds: q87	13.915333	0.113297	11.360167	0.086634
87	presto/tpcds: q88	40.586167	0.126078	25.295667	0.489692
88	presto/tpcds: q89	11.304167	0.176338	9.078000	0.160680
89	presto/tpcds: q90	3.307333	0.323008	2.304833	0.108767
90	presto/tpcds: q91	1.453833	0.070542	1.265333	0.074864
91	presto/tpcds: q92	4.160667	0.168454	3.484167	0.129045
92	presto/tpcds: q93	30.021667	0.887303	29.316000	0.531946

	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Batched readers unpartitioned mean	Batched readers unpartitioned std.dev
93	presto/tpcds: q94	6.522167	0.505655	4.757500	0.143829
94	presto/tpcds: q95	14.531167	0.407819	12.978000	0.214994
95	presto/tpcds: q96	5.749833	0.117169	3.698333	0.149934
96	presto/tpcds: q97	22.245000	0.387441	20.837167	0.448717
97	presto/tpcds: q98	8.664000	0.896029	6.766667	0.137467
98	presto/tpcds: q99	8.379000	0.193442	6.794667	0.103035

TPC-H Comparison (CPU)

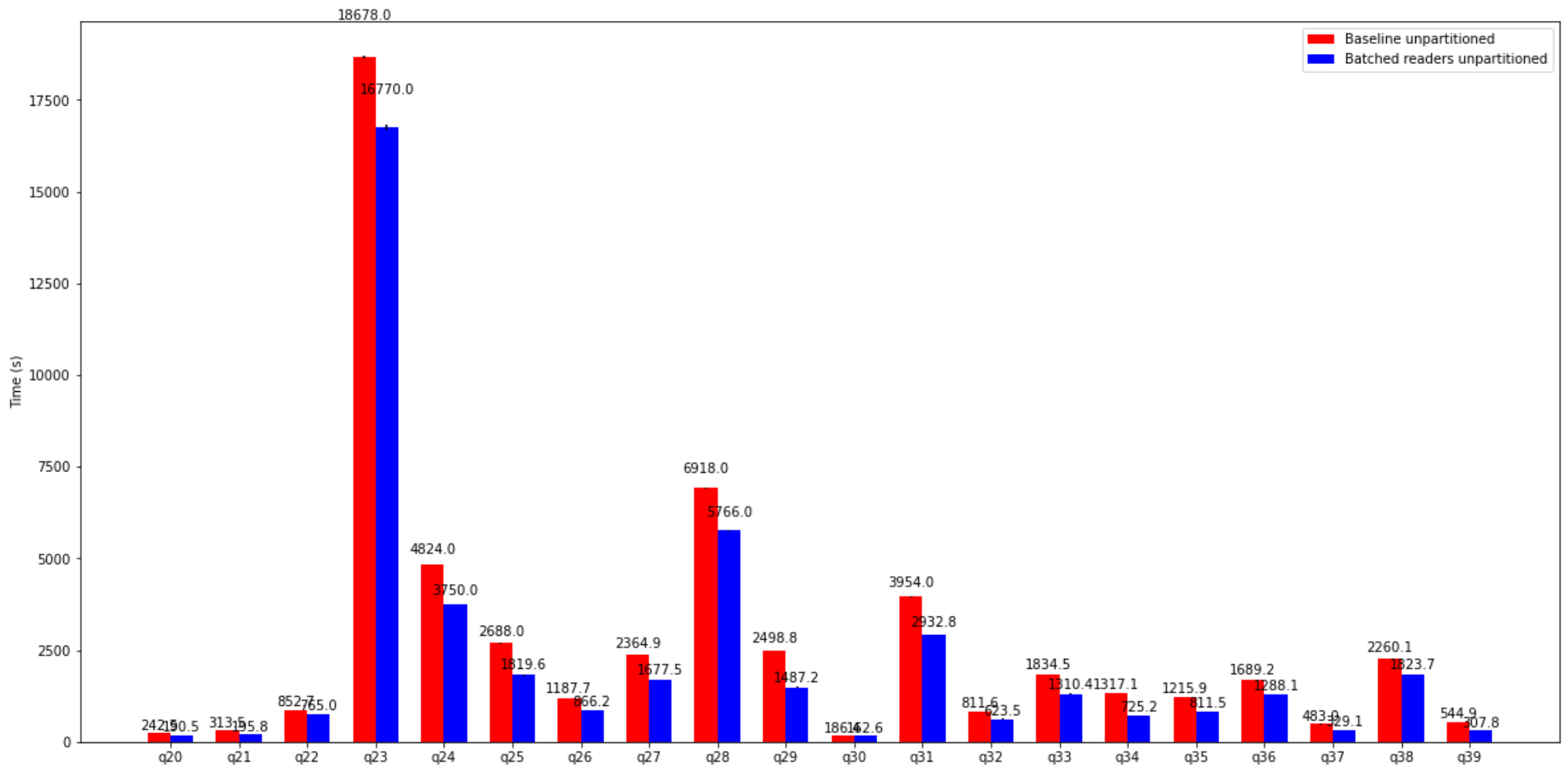


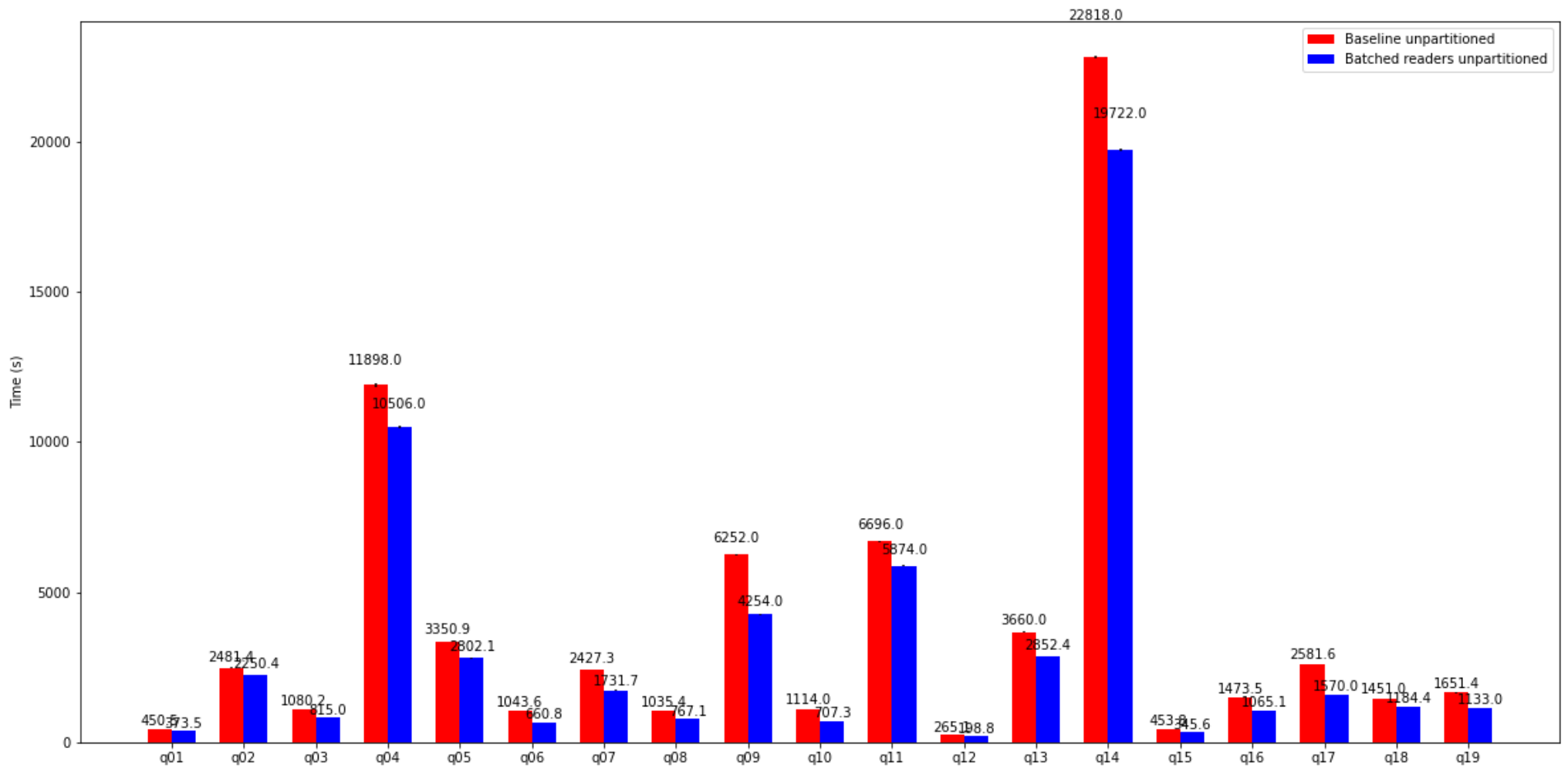


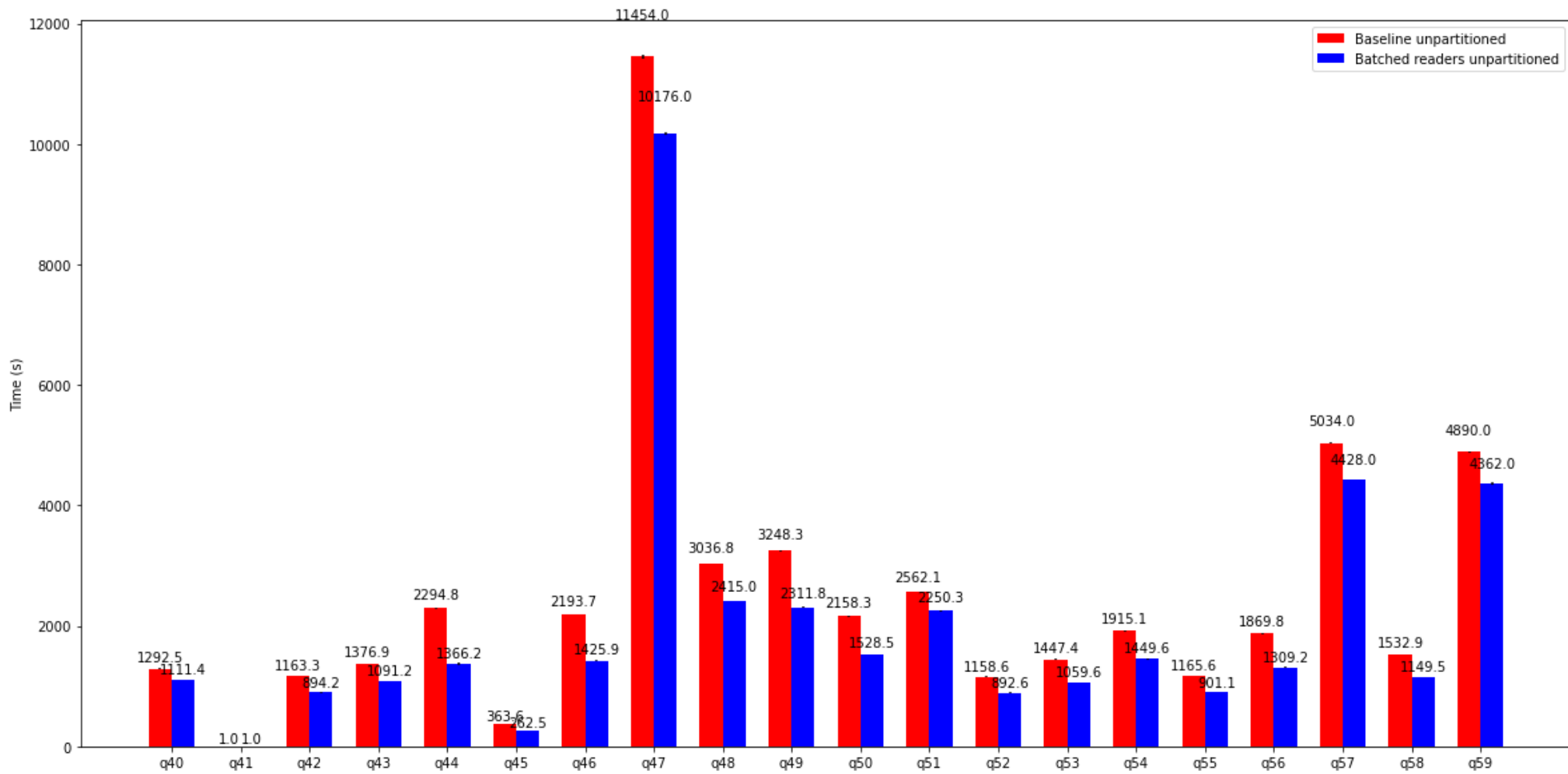
	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Batched readers unpartitioned mean	Batched readers unpartitioned std.dev
0	presto/tpch: q01	6120.0	0.000000	5694.0	14.696938
1	presto/tpch: q02	964.7	1.950385	887.1	2.236962
2	presto/tpch: q03	3672.0	0.000000	3130.7	8.902809
3	presto/tpch: q04	2564.4	7.387557	2021.9	9.275128
4	presto/tpch: q05	6336.0	22.768399	5964.0	18.590320
5	presto/tpch: q06	2318.6	3.279024	2057.0	7.296026
6	presto/tpch: q07	4410.0	19.718012	3690.0	19.718012
7	presto/tpch: q08	4902.0	14.696938	4320.0	0.000000
8	presto/tpch: q09	8544.0	29.393877	8016.0	18.590320

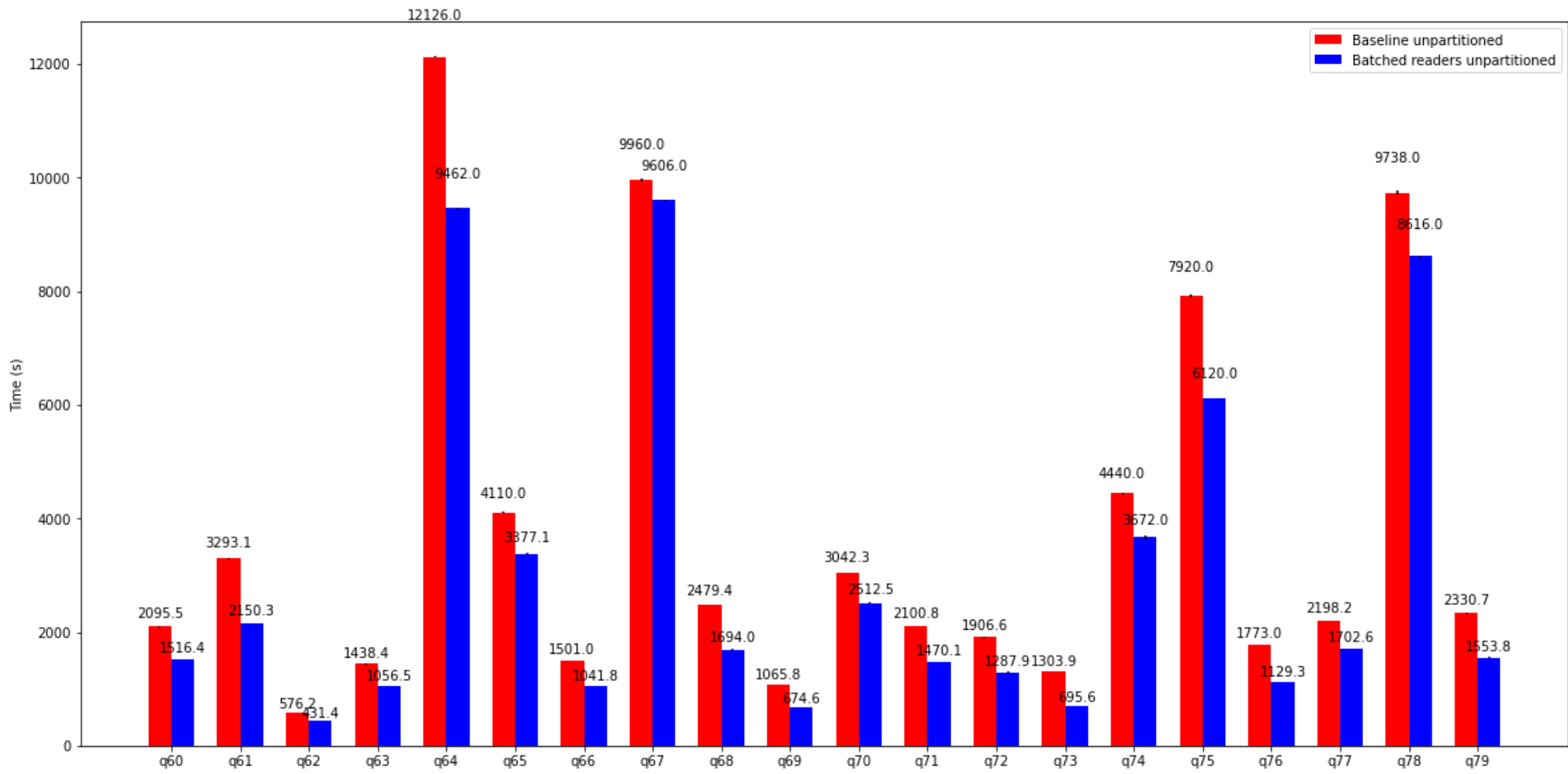
	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Batched readers unpartitioned mean	Batched readers unpartitioned std.dev
9	presto/tpch: q10	4128.0	18.590320	3786.0	14.696938
10	presto/tpch: q11	865.7	1.164474	765.8	2.328948
11	presto/tpch: q12	3127.7	3.295451	2379.9	2.957702
12	presto/tpch: q13	3106.4	11.419982	3062.9	6.511221
13	presto/tpch: q14	2481.6	8.694826	2067.7	16.590479
14	presto/tpch: q15	4740.0	18.590320	3960.0	22.768399
15	presto/tpch: q16	689.5	1.489966	637.2	1.859032
16	presto/tpch: q17	8184.0	29.393877	8016.0	18.590320
17	presto/tpch: q18	5016.0	29.393877	4632.0	18.590320
18	presto/tpch: q19	4602.0	27.099815	4338.0	19.718012
19	presto/tpch: q20	3577.6	5.114685	2996.1	13.559204
20	presto/tpch: q21	9162.0	37.757119	7680.0	18.590320
21	presto/tpch: q22	663.6	2.308246	634.4	3.491704

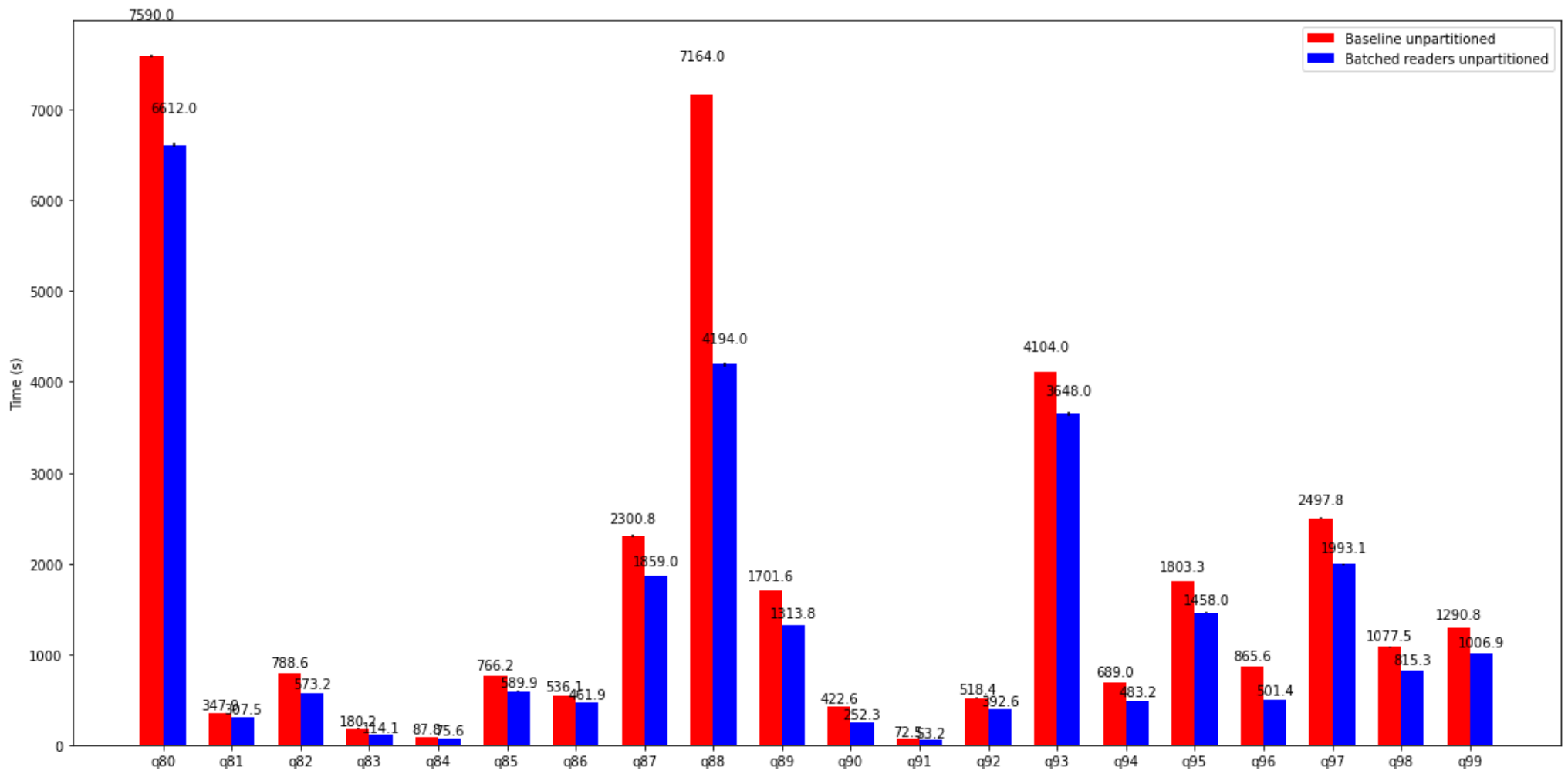
TPC-DS Comparison (CPU)

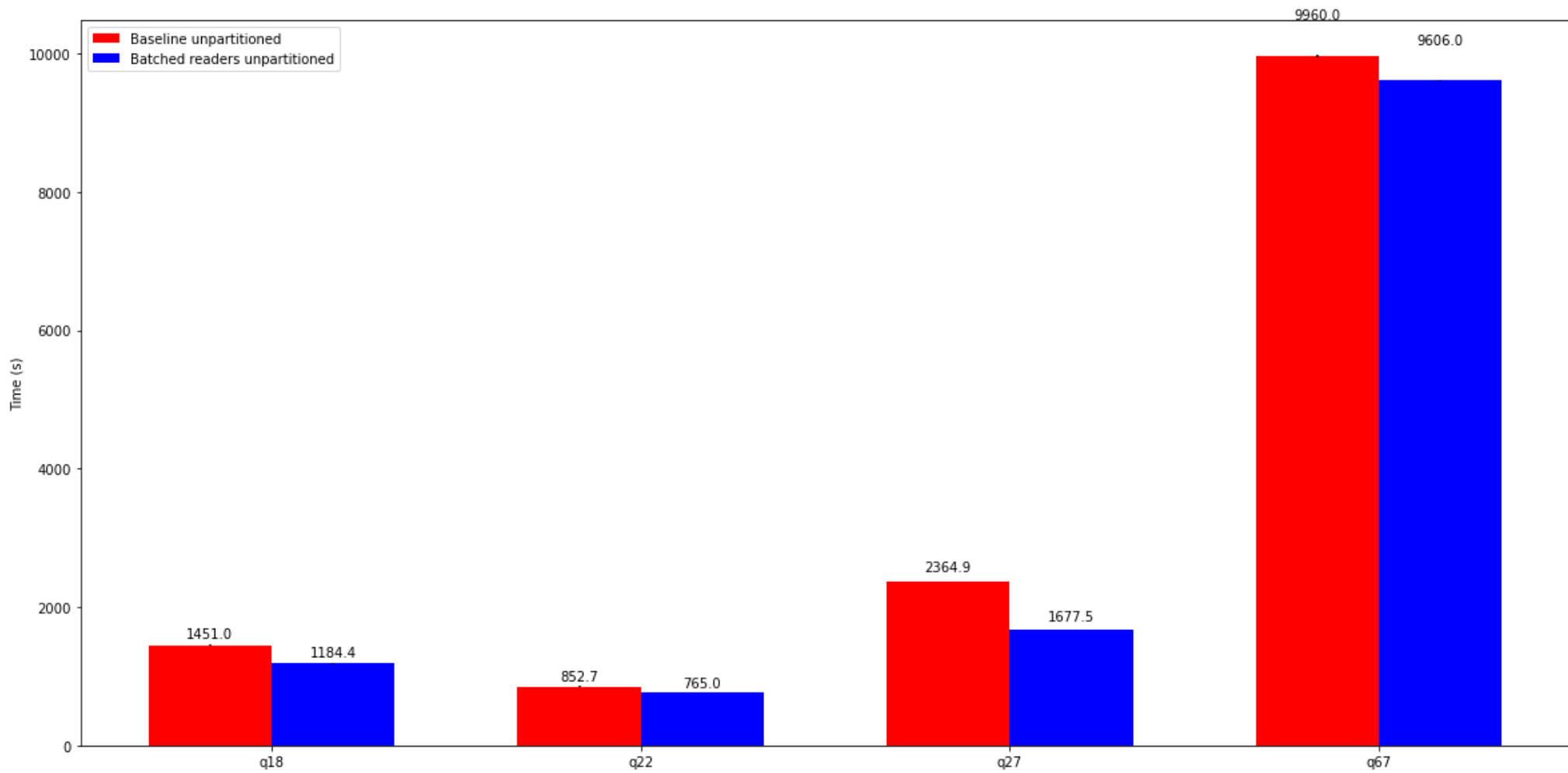












query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Batched readers unpartitioned mean	Batched readers unpartitioned std.dev
0 presto/tpcds: q01	450.500000	0.883176	373.500000	1.122497
1 presto/tpcds: q02	2481.400000	8.533229	2250.400000	8.575313
2 presto/tpcds: q03	1080.200000	5.481606	815.000000	4.516636
3 presto/tpcds: q04	11898.000000	63.384541	10506.000000	52.990565
4 presto/tpcds: q05	3350.900000	8.265349	2802.100000	9.406168
5 presto/tpcds: q06	1043.600000	0.819756	660.800000	1.179830

	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Batched readers unpartitioned mean	Batched readers unpartitioned std.dev
6	presto/tpcds: q07	2427.300000	3.883813	1731.700000	3.726124
7	presto/tpcds: q08	1035.400000	1.350555	767.100000	0.629285
8	presto/tpcds: q09	6252.000000	18.590320	4254.000000	14.696938
9	presto/tpcds: q10	1114.000000	1.050714	707.300000	1.628496
10	presto/tpcds: q11	6696.000000	22.768399	5874.000000	14.696938
11	presto/tpcds: q12	265.100000	0.797496	198.800000	0.903327
12	presto/tpcds: q13	3660.000000	18.590320	2852.400000	2.369810
13	presto/tpcds: q14	22818.000000	35.394915	19722.000000	42.085627
14	presto/tpcds: q15	453.800000	0.619677	345.600000	1.200000
15	presto/tpcds: q16	1473.500000	1.756132	1065.100000	1.986957
16	presto/tpcds: q17	2581.600000	2.419917	1570.000000	3.769350
17	presto/tpcds: q18	1451.000000	4.436215	1184.400000	2.963781
18	presto/tpcds: q19	1651.400000	5.923512	1133.000000	6.114900
19	presto/tpcds: q20	242.500000	1.033441	190.500000	0.501996
20	presto/tpcds: q21	313.500000	2.594610	195.800000	3.750200
21	presto/tpcds: q22	852.700000	2.773446	765.000000	1.138420
22	presto/tpcds: q23	18678.000000	27.099815	16770.000000	76.931138
23	presto/tpcds: q24	4824.000000	0.000000	3750.000000	14.696938
24	presto/tpcds: q25	2688.000000	6.083420	1819.600000	7.156535
25	presto/tpcds: q26	1187.700000	4.870729	866.200000	3.769350
26	presto/tpcds: q27	2364.900000	4.100244	1677.500000	2.973886
27	presto/tpcds: q28	6918.000000	14.696938	5766.000000	14.696938
28	presto/tpcds: q29	2498.800000	4.839835	1487.200000	7.548245
29	presto/tpcds: q30	186.400000	0.489898	162.600000	0.379473
30	presto/tpcds: q31	3954.000000	14.696938	2932.800000	4.033857

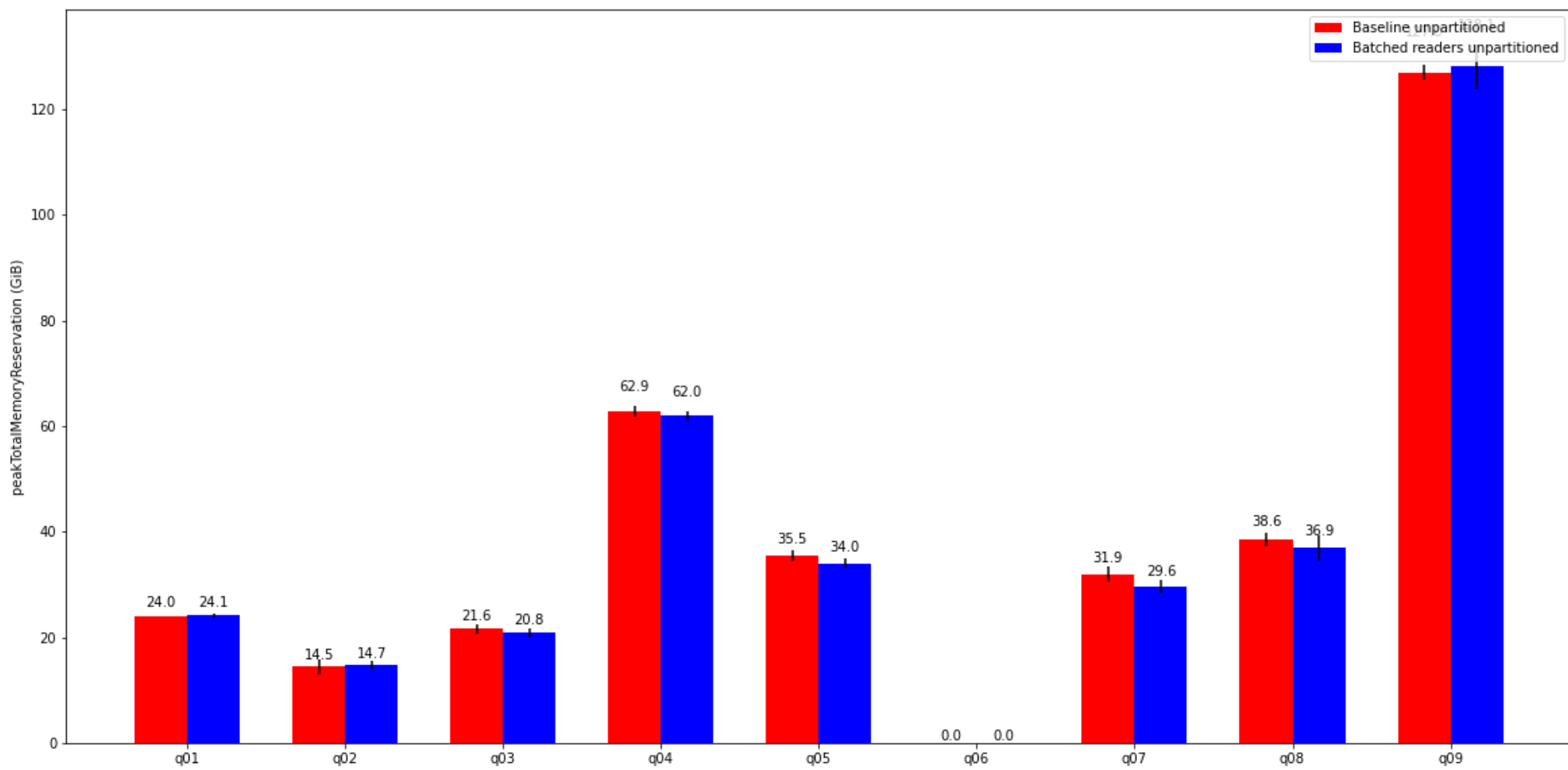
	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Batched readers unpartitioned mean	Batched readers unpartitioned std.dev
31	presto/tpcds: q32	811.600000	0.903327	623.500000	2.875413
32	presto/tpcds: q33	1834.500000	2.236962	1310.400000	3.813660
33	presto/tpcds: q34	1317.100000	1.337161	725.200000	1.117139
34	presto/tpcds: q35	1215.900000	2.034699	811.500000	2.034699
35	presto/tpcds: q36	1689.200000	1.402854	1288.100000	2.193627
36	presto/tpcds: q37	483.000000	6.572671	329.100000	0.629285
37	presto/tpcds: q38	2260.100000	3.932938	1823.700000	3.993495
38	presto/tpcds: q39	544.900000	1.537530	307.800000	1.003992
39	presto/tpcds: q40	1292.500000	7.621811	1111.400000	3.429286
40	presto/tpcds: q41	0.953833	0.008565	0.956000	0.014913
41	presto/tpcds: q42	1163.300000	1.537530	894.200000	1.501999
42	presto/tpcds: q43	1376.900000	0.797496	1091.200000	0.726636
43	presto/tpcds: q44	2294.800000	12.911390	1366.200000	16.228863
44	presto/tpcds: q45	363.600000	0.848528	262.500000	1.244186
45	presto/tpcds: q46	2193.700000	3.745397	1425.900000	1.686416
46	presto/tpcds: q47	11454.000000	27.099815	10176.000000	18.590320
47	presto/tpcds: q48	3036.800000	3.788403	2415.000000	3.869884
48	presto/tpcds: q49	3248.300000	9.913022	2311.800000	11.396842
49	presto/tpcds: q50	2158.300000	3.547957	1528.500000	2.236962

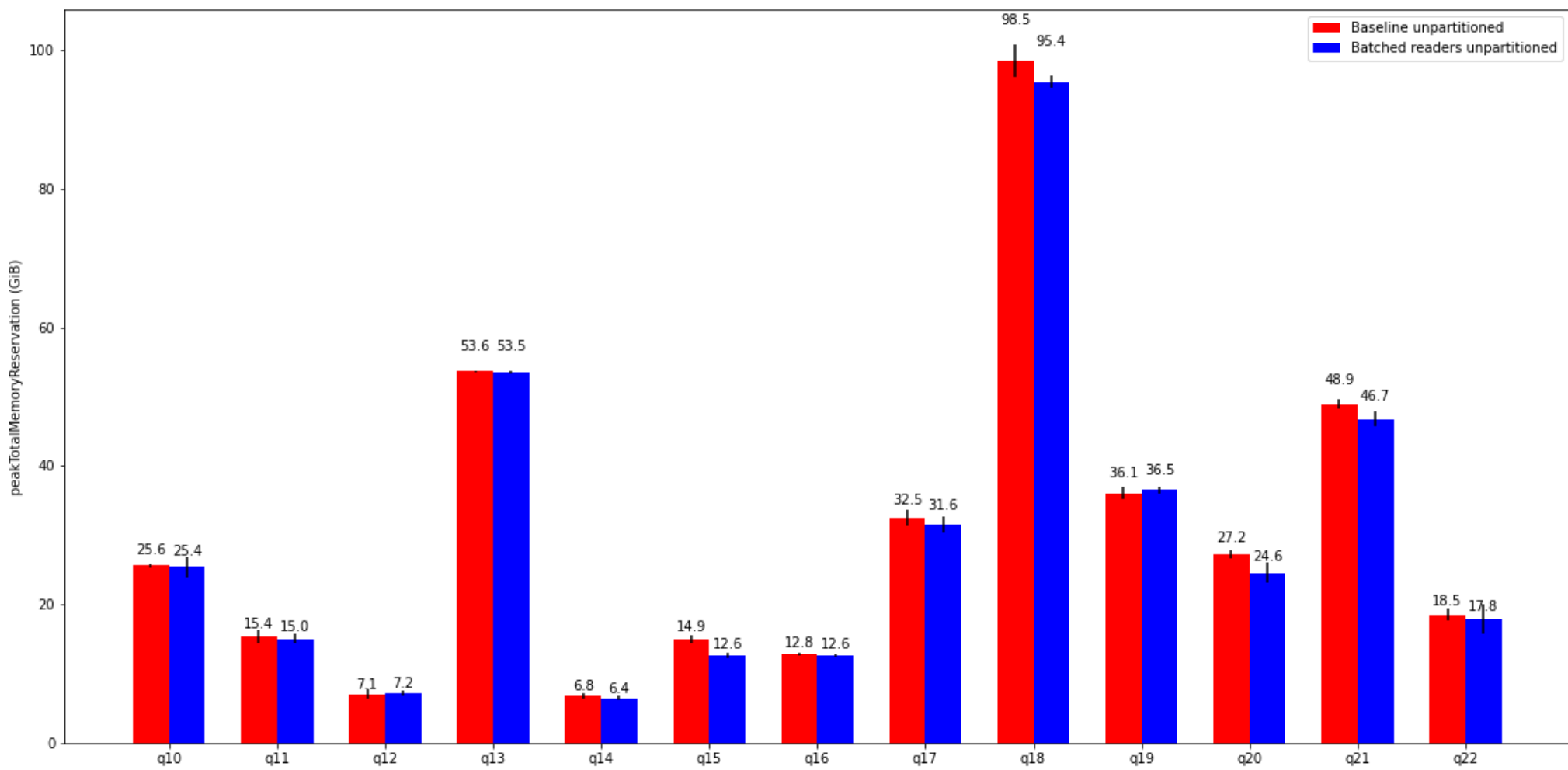
	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Batched readers unpartitioned mean	Batched readers unpartitioned std.dev
50	presto/tpcds: q51	2562.100000	5.139261	2250.300000	6.255558
51	presto/tpcds: q52	1158.600000	2.308246	892.600000	2.753906
52	presto/tpcds: q53	1447.400000	3.121538	1059.600000	1.517893
53	presto/tpcds: q54	1915.100000	3.251461	1449.600000	2.963781
54	presto/tpcds: q55	1165.600000	1.050714	901.100000	3.932938
55	presto/tpcds: q56	1869.800000	2.906544	1309.200000	6.756330
56	presto/tpcds: q57	5034.000000	14.696938	4428.000000	0.000000
57	presto/tpcds: q58	1532.900000	2.529031	1149.500000	4.528576
58	presto/tpcds: q59	4890.000000	14.696938	4362.000000	14.696938
59	presto/tpcds: q60	2095.500000	4.533873	1516.400000	4.704041
60	presto/tpcds: q61	3293.100000	10.535084	2150.300000	8.471836
61	presto/tpcds: q62	576.200000	3.256992	431.400000	0.657267
62	presto/tpcds: q63	1438.400000	2.389979	1056.500000	2.092845
63	presto/tpcds: q64	12126.000000	14.696938	9462.000000	14.696938
64	presto/tpcds: q65	4110.000000	14.696938	3377.100000	10.045297
65	presto/tpcds: q66	1501.000000	4.986381	1041.800000	2.359661
66	presto/tpcds: q67	9960.000000	18.590320	9606.000000	14.696938
67	presto/tpcds: q68	2479.400000	2.727636	1694.000000	3.027871
68	presto/tpcds: q69	1065.800000	0.903327	674.600000	0.819756
69	presto/tpcds: q70	3042.300000	6.984268	2512.500000	11.749894
70	presto/tpcds: q71	2100.800000	1.501999	1470.100000	4.383150

	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Batched readers unpartitioned mean	Batched readers unpartitioned std.dev
71	presto/tpcds: q72	1906.600000	9.812645	1287.900000	9.316437
72	presto/tpcds: q73	1303.900000	3.802631	695.600000	1.639512
73	presto/tpcds: q74	4440.000000	18.590320	3672.000000	32.199379
74	presto/tpcds: q75	7920.000000	22.768399	6120.000000	0.000000
75	presto/tpcds: q76	1773.000000	2.736421	1129.300000	1.796664
76	presto/tpcds: q77	2198.200000	2.359661	1702.600000	1.594992
77	presto/tpcds: q78	9738.000000	37.757119	8616.000000	18.590320
78	presto/tpcds: q79	2330.700000	3.388805	1553.800000	2.536139
79	presto/tpcds: q80	7590.000000	14.696938	6612.000000	18.590320
80	presto/tpcds: q81	347.900000	0.883176	307.500000	1.122497
81	presto/tpcds: q82	788.600000	1.179830	573.200000	0.819756
82	presto/tpcds: q83	180.200000	0.489898	114.100000	0.451664
83	presto/tpcds: q84	87.800000	0.309839	75.600000	0.379473
84	presto/tpcds: q85	766.200000	1.819890	589.900000	7.771486
85	presto/tpcds: q86	536.100000	1.300769	461.900000	1.583667
86	presto/tpcds: q87	2300.800000	11.804406	1859.000000	2.449490
87	presto/tpcds: q88	7164.000000	0.000000	4194.000000	19.718012
88	presto/tpcds: q89	1701.600000	2.112818	1313.800000	2.031748
89	presto/tpcds: q90	422.600000	0.619677	252.300000	1.643168
90	presto/tpcds: q91	72.500000	0.797496	53.188333	0.818716
91	presto/tpcds: q92	518.400000	1.003992	392.600000	0.489898
92	presto/tpcds: q93	4104.000000	0.000000	3648.000000	18.590320

	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Batched readers unpartitioned mean	Batched readers unpartitioned std.dev
93	presto/tpcds: q94	689.000000	1.453272	483.200000	1.594992
94	presto/tpcds: q95	1803.300000	3.451956	1458.000000	2.007984
95	presto/tpcds: q96	865.600000	2.201817	501.400000	1.050714
96	presto/tpcds: q97	2497.800000	10.039920	1993.100000	5.747695
97	presto/tpcds: q98	1077.500000	2.667583	815.300000	0.883176
98	presto/tpcds: q99	1290.800000	2.779928	1006.900000	3.069202

TPC-H Comparison (Peak memory)

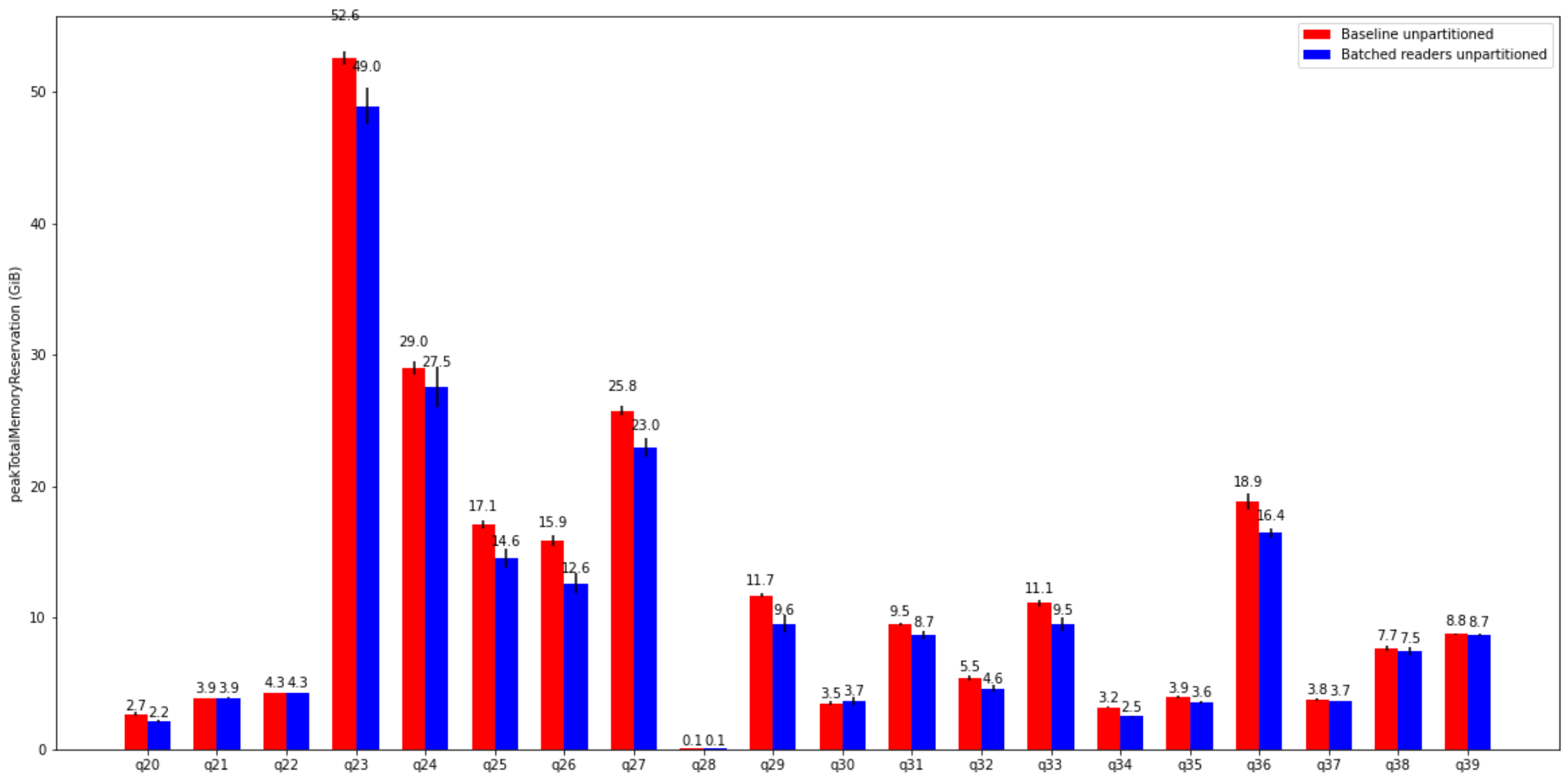


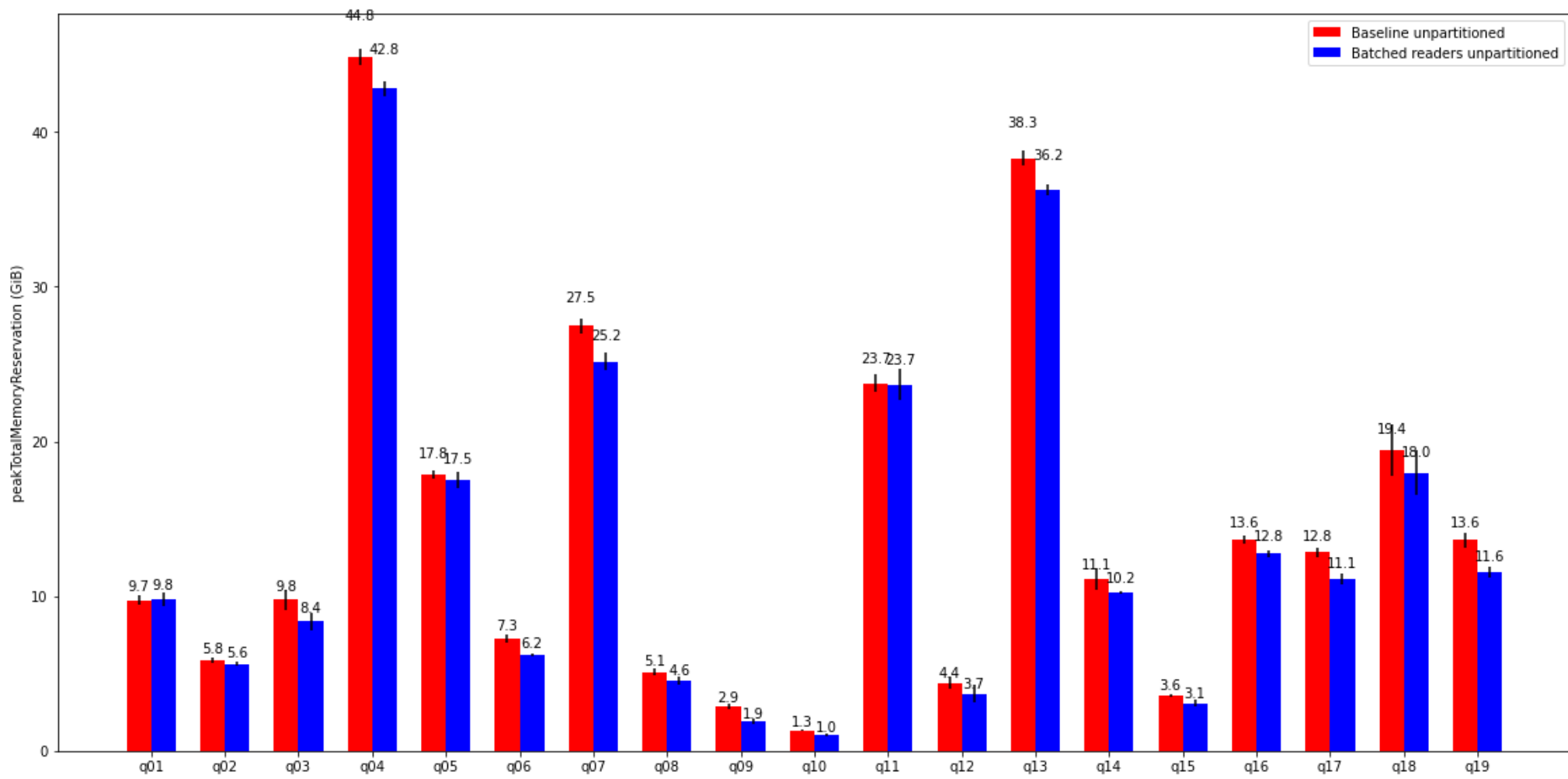


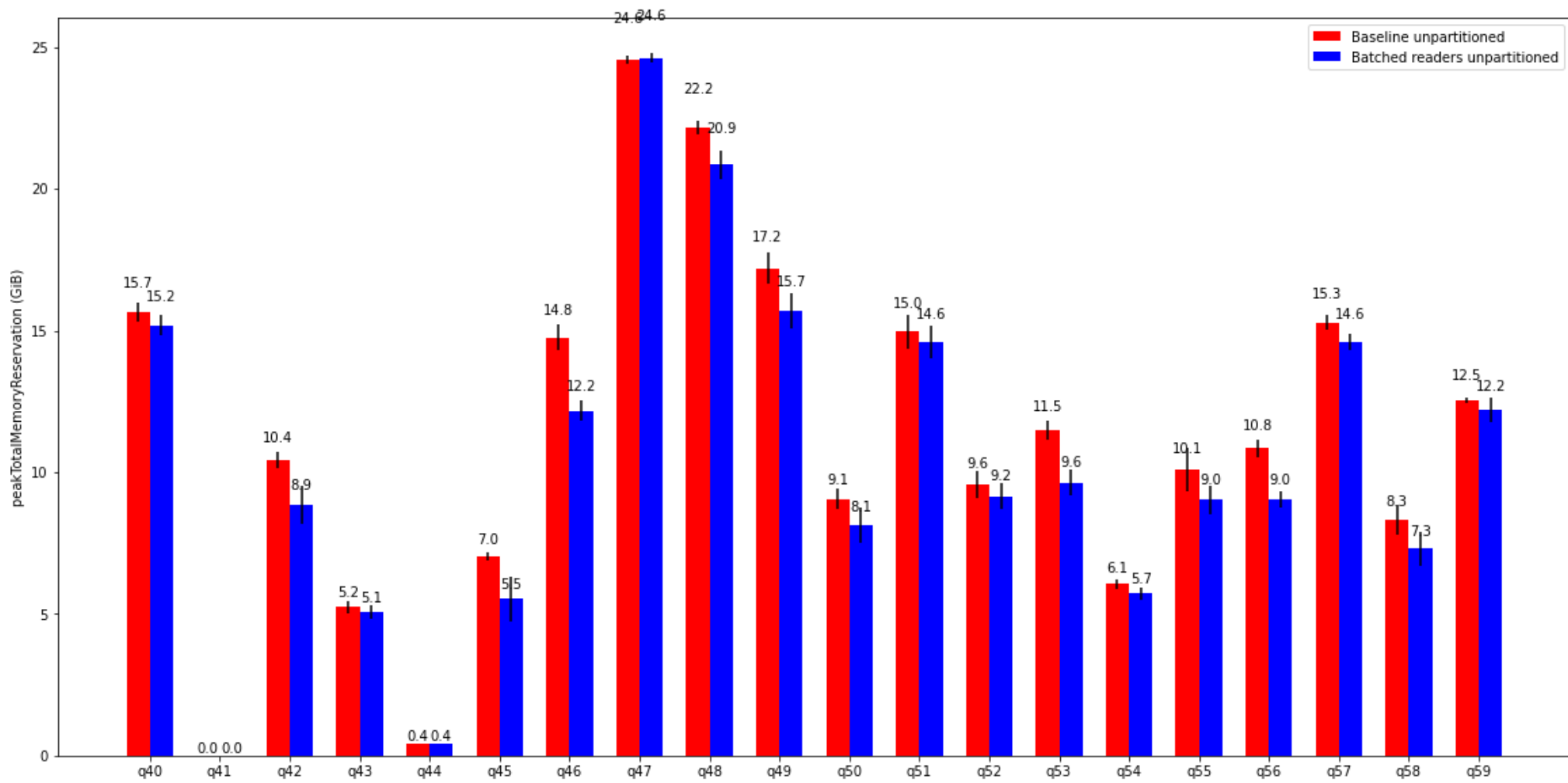
query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Batched readers unpartitioned mean	Batched readers unpartitioned std.dev
0 presto/tpch: q01	23.975 GiB	107.521 MiB	24.115 GiB	309.482 MiB
1 presto/tpch: q02	14.491 GiB	1.387 GiB	14.673 GiB	0.979 GiB
2 presto/tpch: q03	21.625 GiB	917.854 MiB	20.786 GiB	932.645 MiB
3 presto/tpch: q04	62.888 GiB	1.002 GiB	61.980 GiB	908.080 MiB
4 presto/tpch: q05	35.473 GiB	1.065 GiB	34.008 GiB	0.932 GiB
5 presto/tpch: q06	9.017 KiB	3.655 KiB	6.947 KiB	6.897 KiB
6 presto/tpch: q07	31.946 GiB	1.378 GiB	29.610 GiB	1.205 GiB
7 presto/tpch: q08	38.609 GiB	1.300 GiB	36.943 GiB	2.432 GiB
8 presto/tpch: q09	126.994 GiB	1.409 GiB	128.087 GiB	4.169 GiB

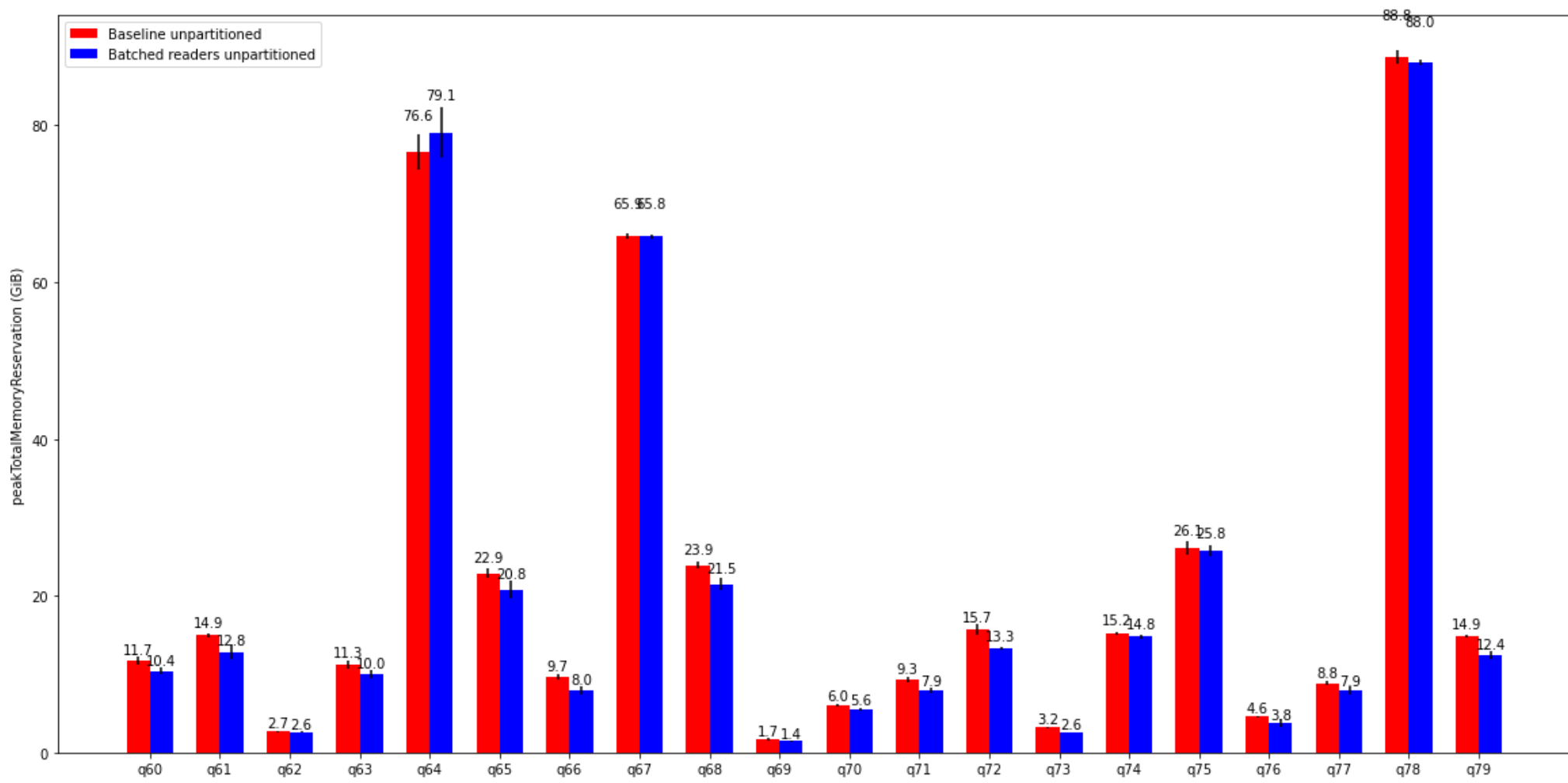
	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Batched readers unpartitioned mean	Batched readers unpartitioned std.dev
9	presto/tpch: q10	25.606 GiB	253.655 MiB	25.367 GiB	1.544 GiB
10	presto/tpch: q11	15.390 GiB	1.013 GiB	15.043 GiB	617.097 MiB
11	presto/tpch: q12	7.057 GiB	628.106 MiB	7.174 GiB	377.230 MiB
12	presto/tpch: q13	53.609 GiB	125.196 MiB	53.462 GiB	219.406 MiB
13	presto/tpch: q14	6.760 GiB	468.251 MiB	6.437 GiB	316.127 MiB
14	presto/tpch: q15	14.893 GiB	594.766 MiB	12.623 GiB	430.044 MiB
15	presto/tpch: q16	12.816 GiB	262.066 MiB	12.623 GiB	155.889 MiB
16	presto/tpch: q17	32.474 GiB	1.252 GiB	31.578 GiB	1.163 GiB
17	presto/tpch: q18	98.460 GiB	2.304 GiB	95.418 GiB	862.080 MiB
18	presto/tpch: q19	36.053 GiB	861.563 MiB	36.474 GiB	486.537 MiB
19	presto/tpch: q20	27.180 GiB	611.832 MiB	24.571 GiB	1.378 GiB
20	presto/tpch: q21	48.900 GiB	681.581 MiB	46.746 GiB	1.091 GiB
21	presto/tpch: q22	18.536 GiB	0.954 GiB	17.803 GiB	2.130 GiB

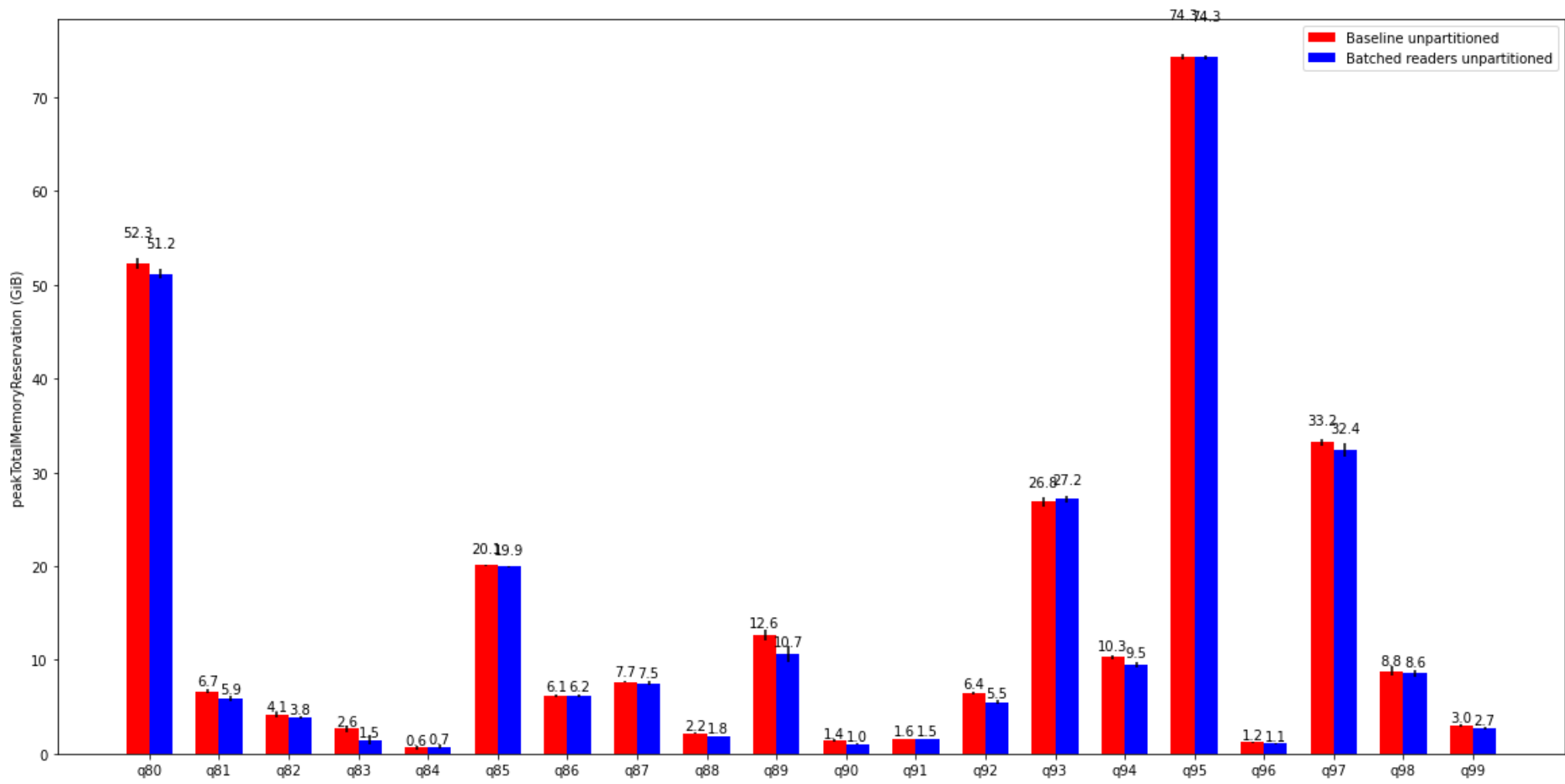
TPC-DS Comparison (Peak memory)

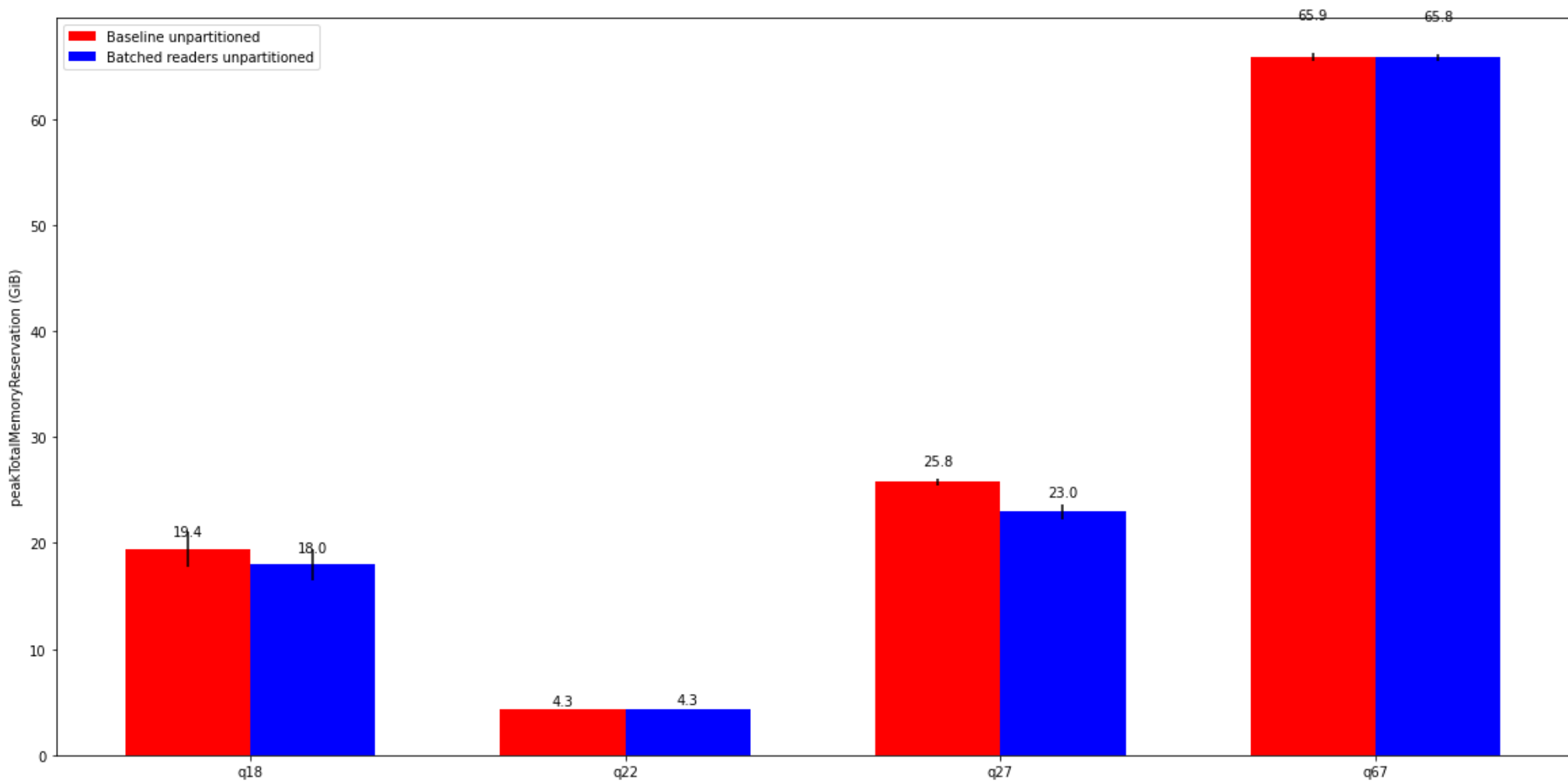












query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Batched readers unpartitioned mean	Batched readers unpartitioned std.dev
0 presto/tpcds: q01	9.739 GiB	299.053 MiB	9.775 GiB	444.950 MiB
1 presto/tpcds: q02	5.846 GiB	145.945 MiB	5.621 GiB	139.194 MiB
2 presto/tpcds: q03	9.753 GiB	667.304 MiB	8.365 GiB	568.971 MiB
3 presto/tpcds: q04	44.827 GiB	549.196 MiB	42.788 GiB	475.356 MiB
4 presto/tpcds: q05	17.848 GiB	247.361 MiB	17.521 GiB	521.812 MiB
5 presto/tpcds: q06	7.252 GiB	264.532 MiB	6.217 GiB	94.019 MiB

	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Batched readers unpartitioned mean	Batched readers unpartitioned std.dev
6	presto/tpcds: q07	27.458 GiB	500.657 MiB	25.168 GiB	571.552 MiB
7	presto/tpcds: q08	5.098 GiB	257.038 MiB	4.568 GiB	278.958 MiB
8	presto/tpcds: q09	2.875 GiB	181.178 MiB	1.873 GiB	177.425 MiB
9	presto/tpcds: q10	1.327 GiB	56.788 MiB	1.019 GiB	80.612 MiB
10	presto/tpcds: q11	23.746 GiB	573.320 MiB	23.676 GiB	1.032 GiB
11	presto/tpcds: q12	4.392 GiB	401.155 MiB	3.689 GiB	590.172 MiB
12	presto/tpcds: q13	38.278 GiB	488.881 MiB	36.231 GiB	352.740 MiB
13	presto/tpcds: q14	11.082 GiB	705.640 MiB	10.232 GiB	131.004 MiB
14	presto/tpcds: q15	3.580 GiB	101.895 MiB	3.079 GiB	215.062 MiB
15	presto/tpcds: q16	13.640 GiB	251.410 MiB	12.772 GiB	225.024 MiB
16	presto/tpcds: q17	12.824 GiB	346.635 MiB	11.117 GiB	387.806 MiB
17	presto/tpcds: q18	19.410 GiB	1.651 GiB	17.987 GiB	1.448 GiB
18	presto/tpcds: q19	13.638 GiB	502.078 MiB	11.571 GiB	368.962 MiB
19	presto/tpcds: q20	2.654 GiB	164.760 MiB	2.166 GiB	111.999 MiB
20	presto/tpcds: q21	3.893 GiB	13.833 MiB	3.925 GiB	99.306 MiB
21	presto/tpcds: q22	4.284 GiB	9.066 MiB	4.301 GiB	8.147 MiB
22	presto/tpcds: q23	52.624 GiB	494.633 MiB	48.958 GiB	1.397 GiB
23	presto/tpcds: q24	29.030 GiB	538.282 MiB	27.534 GiB	1.545 GiB
24	presto/tpcds: q25	17.115 GiB	327.575 MiB	14.552 GiB	704.462 MiB
25	presto/tpcds: q26	15.896 GiB	442.921 MiB	12.626 GiB	804.106 MiB
26	presto/tpcds: q27	25.762 GiB	350.167 MiB	22.959 GiB	761.572 MiB
27	presto/tpcds: q28	122.546 MiB	2.195 MiB	122.132 MiB	593.748 KiB
28	presto/tpcds: q29	11.718 GiB	147.040 MiB	9.559 GiB	713.114 MiB
29	presto/tpcds: q30	3.518 GiB	196.814 MiB	3.658 GiB	343.205 MiB
30	presto/tpcds: q31	9.487 GiB	118.244 MiB	8.673 GiB	305.848 MiB

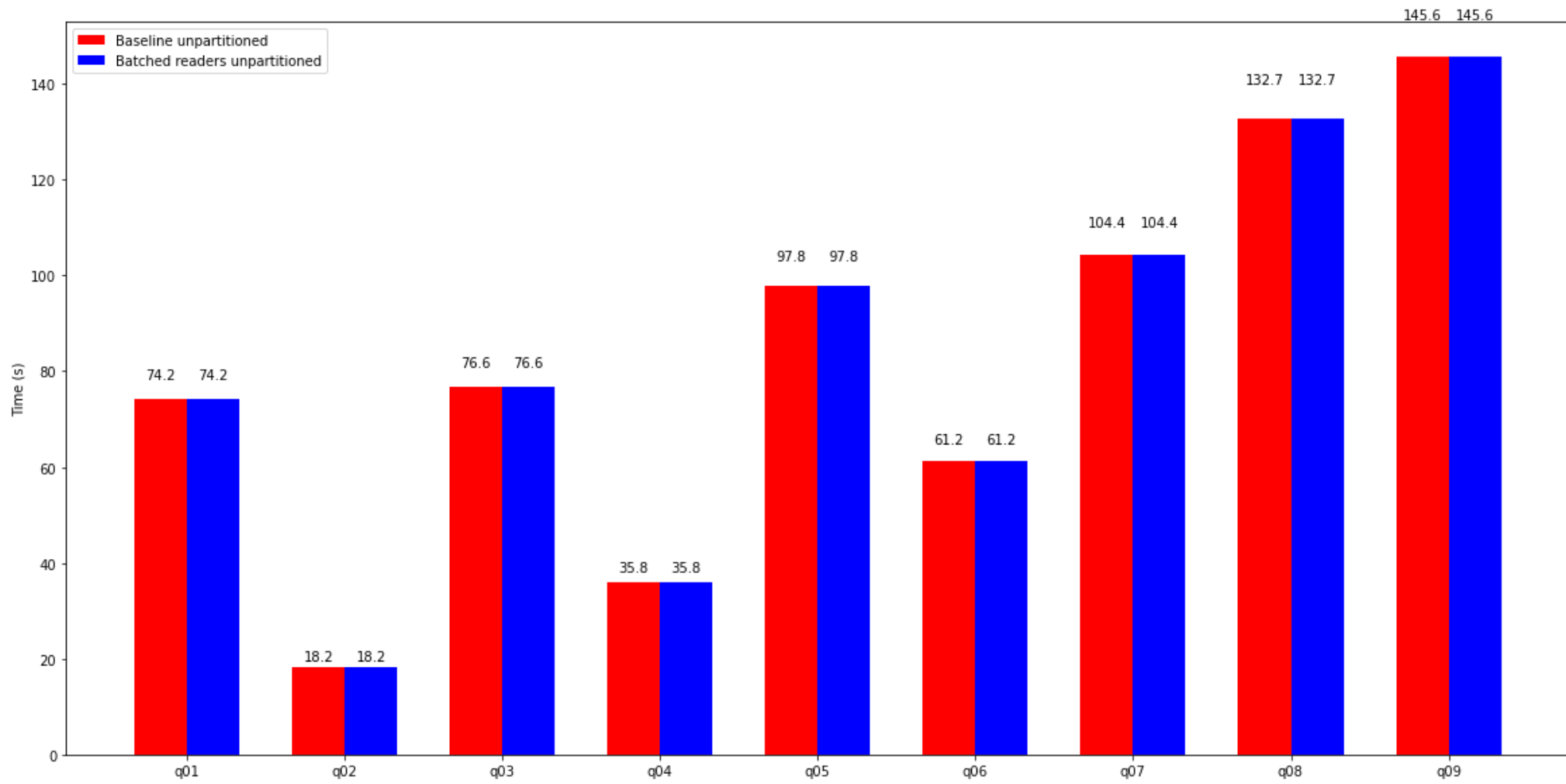
	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Batched readers unpartitioned mean	Batched readers unpartitioned std.dev
31	presto/tpcds: q32	5.450 GiB	209.043 MiB	4.626 GiB	289.091 MiB
32	presto/tpcds: q33	11.113 GiB	260.838 MiB	9.514 GiB	556.008 MiB
33	presto/tpcds: q34	3.198 GiB	83.397 MiB	2.513 GiB	54.570 MiB
34	presto/tpcds: q35	3.936 GiB	100.638 MiB	3.573 GiB	82.712 MiB
35	presto/tpcds: q36	18.880 GiB	611.797 MiB	16.446 GiB	375.754 MiB
36	presto/tpcds: q37	3.791 GiB	112.220 MiB	3.720 GiB	477.471 KiB
37	presto/tpcds: q38	7.665 GiB	180.125 MiB	7.477 GiB	318.291 MiB
38	presto/tpcds: q39	8.773 GiB	50.457 MiB	8.677 GiB	95.354 MiB
39	presto/tpcds: q40	15.652 GiB	345.884 MiB	15.193 GiB	357.081 MiB
40	presto/tpcds: q41	180.422 KiB	71.397 KiB	146.189 KiB	46.943 KiB
41	presto/tpcds: q42	10.437 GiB	309.004 MiB	8.851 GiB	683.437 MiB
42	presto/tpcds: q43	5.235 GiB	207.845 MiB	5.072 GiB	261.805 MiB
43	presto/tpcds: q44	450.326 MiB	207.550 KiB	450.617 MiB	507.726 KiB
44	presto/tpcds: q45	7.032 GiB	144.139 MiB	5.523 GiB	806.859 MiB
45	presto/tpcds: q46	14.755 GiB	457.770 MiB	12.176 GiB	348.520 MiB
46	presto/tpcds: q47	24.553 GiB	162.169 MiB	24.625 GiB	168.206 MiB
47	presto/tpcds: q48	22.178 GiB	249.025 MiB	20.860 GiB	518.205 MiB
48	presto/tpcds: q49	17.184 GiB	563.254 MiB	15.709 GiB	641.891 MiB
49	presto/tpcds: q50	9.051 GiB	375.290 MiB	8.130 GiB	659.985 MiB

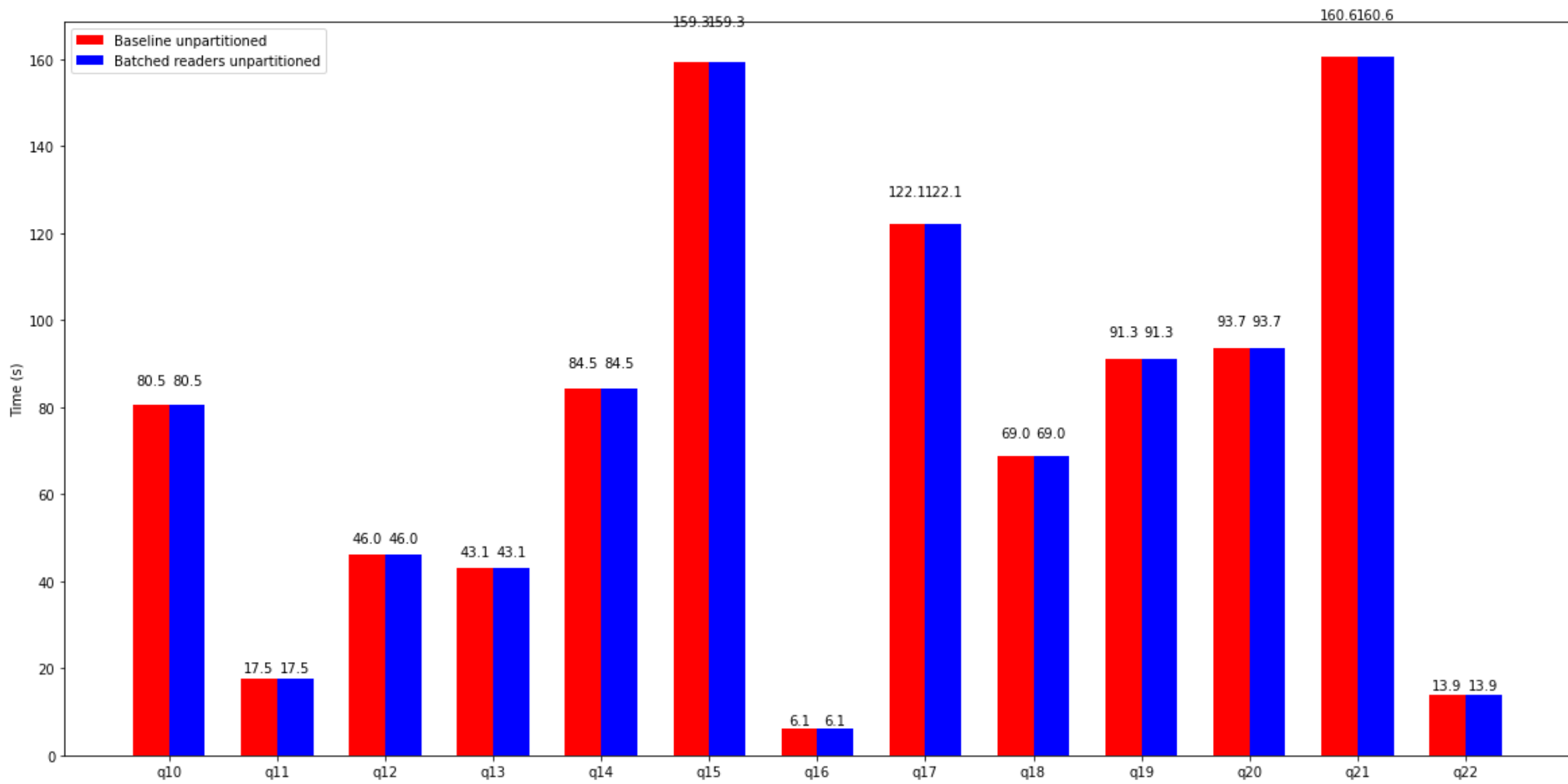
	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Batched readers unpartitioned mean	Batched readers unpartitioned std.dev
50	presto/tpcds: q51	14.960 GiB	617.619 MiB	14.589 GiB	590.287 MiB
51	presto/tpcds: q52	9.573 GiB	496.244 MiB	9.152 GiB	467.825 MiB
52	presto/tpcds: q53	11.490 GiB	344.449 MiB	9.633 GiB	479.133 MiB
53	presto/tpcds: q54	6.063 GiB	176.110 MiB	5.717 GiB	221.252 MiB
54	presto/tpcds: q55	10.091 GiB	792.832 MiB	9.031 GiB	523.765 MiB
55	presto/tpcds: q56	10.840 GiB	335.587 MiB	9.020 GiB	296.545 MiB
56	presto/tpcds: q57	15.284 GiB	261.496 MiB	14.590 GiB	290.785 MiB
57	presto/tpcds: q58	8.319 GiB	543.069 MiB	7.306 GiB	613.595 MiB
58	presto/tpcds: q59	12.532 GiB	100.275 MiB	12.191 GiB	433.118 MiB
59	presto/tpcds: q60	11.724 GiB	566.483 MiB	10.405 GiB	437.043 MiB
60	presto/tpcds: q61	14.947 GiB	298.355 MiB	12.829 GiB	0.966 GiB
61	presto/tpcds: q62	2.709 GiB	74.527 MiB	2.622 GiB	90.510 MiB
62	presto/tpcds: q63	11.255 GiB	550.421 MiB	10.047 GiB	502.422 MiB
63	presto/tpcds: q64	76.588 GiB	2.222 GiB	79.122 GiB	3.187 GiB
64	presto/tpcds: q65	22.884 GiB	567.722 MiB	20.815 GiB	1.082 GiB
65	presto/tpcds: q66	9.687 GiB	390.552 MiB	7.951 GiB	521.817 MiB
66	presto/tpcds: q67	65.854 GiB	390.994 MiB	65.812 GiB	346.560 MiB
67	presto/tpcds: q68	23.905 GiB	478.517 MiB	21.508 GiB	717.439 MiB
68	presto/tpcds: q69	1.695 GiB	105.249 MiB	1.446 GiB	113.529 MiB
69	presto/tpcds: q70	6.032 GiB	208.129 MiB	5.557 GiB	201.900 MiB
70	presto/tpcds: q71	9.337 GiB	317.579 MiB	7.895 GiB	352.844 MiB

	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Batched readers unpartitioned mean	Batched readers unpartitioned std.dev
71	presto/tpcds: q72	15.668 GiB	679.469 MiB	13.340 GiB	162.182 MiB
72	presto/tpcds: q73	3.215 GiB	101.766 MiB	2.555 GiB	80.310 MiB
73	presto/tpcds: q74	15.246 GiB	146.191 MiB	14.804 GiB	293.240 MiB
74	presto/tpcds: q75	26.121 GiB	929.475 MiB	25.767 GiB	693.172 MiB
75	presto/tpcds: q76	4.605 GiB	117.942 MiB	3.767 GiB	459.344 MiB
76	presto/tpcds: q77	8.842 GiB	294.568 MiB	7.916 GiB	474.130 MiB
77	presto/tpcds: q78	88.752 GiB	854.513 MiB	88.027 GiB	294.409 MiB
78	presto/tpcds: q79	14.867 GiB	188.104 MiB	12.397 GiB	576.370 MiB
79	presto/tpcds: q80	52.259 GiB	554.096 MiB	51.186 GiB	564.233 MiB
80	presto/tpcds: q81	6.665 GiB	188.093 MiB	5.877 GiB	266.601 MiB
81	presto/tpcds: q82	4.144 GiB	248.856 MiB	3.838 GiB	177.428 MiB
82	presto/tpcds: q83	2.638 GiB	380.487 MiB	1.481 GiB	507.906 MiB
83	presto/tpcds: q84	656.931 MiB	270.285 MiB	739.684 MiB	219.241 MiB
84	presto/tpcds: q85	20.099 GiB	90.506 MiB	19.940 GiB	128.837 MiB
85	presto/tpcds: q86	6.144 GiB	117.126 MiB	6.166 GiB	109.991 MiB
86	presto/tpcds: q87	7.675 GiB	25.292 MiB	7.530 GiB	194.460 MiB
87	presto/tpcds: q88	2.194 GiB	70.369 MiB	1.844 GiB	53.222 MiB
88	presto/tpcds: q89	12.621 GiB	573.310 MiB	10.654 GiB	879.092 MiB
89	presto/tpcds: q90	1.351 GiB	144.567 MiB	1.023 GiB	101.384 MiB
90	presto/tpcds: q91	1.553 GiB	37.222 MiB	1.545 GiB	38.067 MiB
91	presto/tpcds: q92	6.413 GiB	131.186 MiB	5.499 GiB	252.013 MiB
92	presto/tpcds: q93	26.849 GiB	447.868 MiB	27.196 GiB	359.711 MiB

	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Batched readers unpartitioned mean	Batched readers unpartitioned std.dev
93	presto/tpcds: q94	10.279 GiB	199.387 MiB	9.508 GiB	297.788 MiB
94	presto/tpcds: q95	74.325 GiB	287.746 MiB	74.260 GiB	181.476 MiB
95	presto/tpcds: q96	1.216 GiB	68.287 MiB	1.089 GiB	76.612 MiB
96	presto/tpcds: q97	33.208 GiB	347.133 MiB	32.403 GiB	742.247 MiB
97	presto/tpcds: q98	8.797 GiB	484.134 MiB	8.595 GiB	367.062 MiB
98	presto/tpcds: q99	2.983 GiB	145.320 MiB	2.679 GiB	122.218 MiB

TPC-H Comparison (physicalInputDataSize)

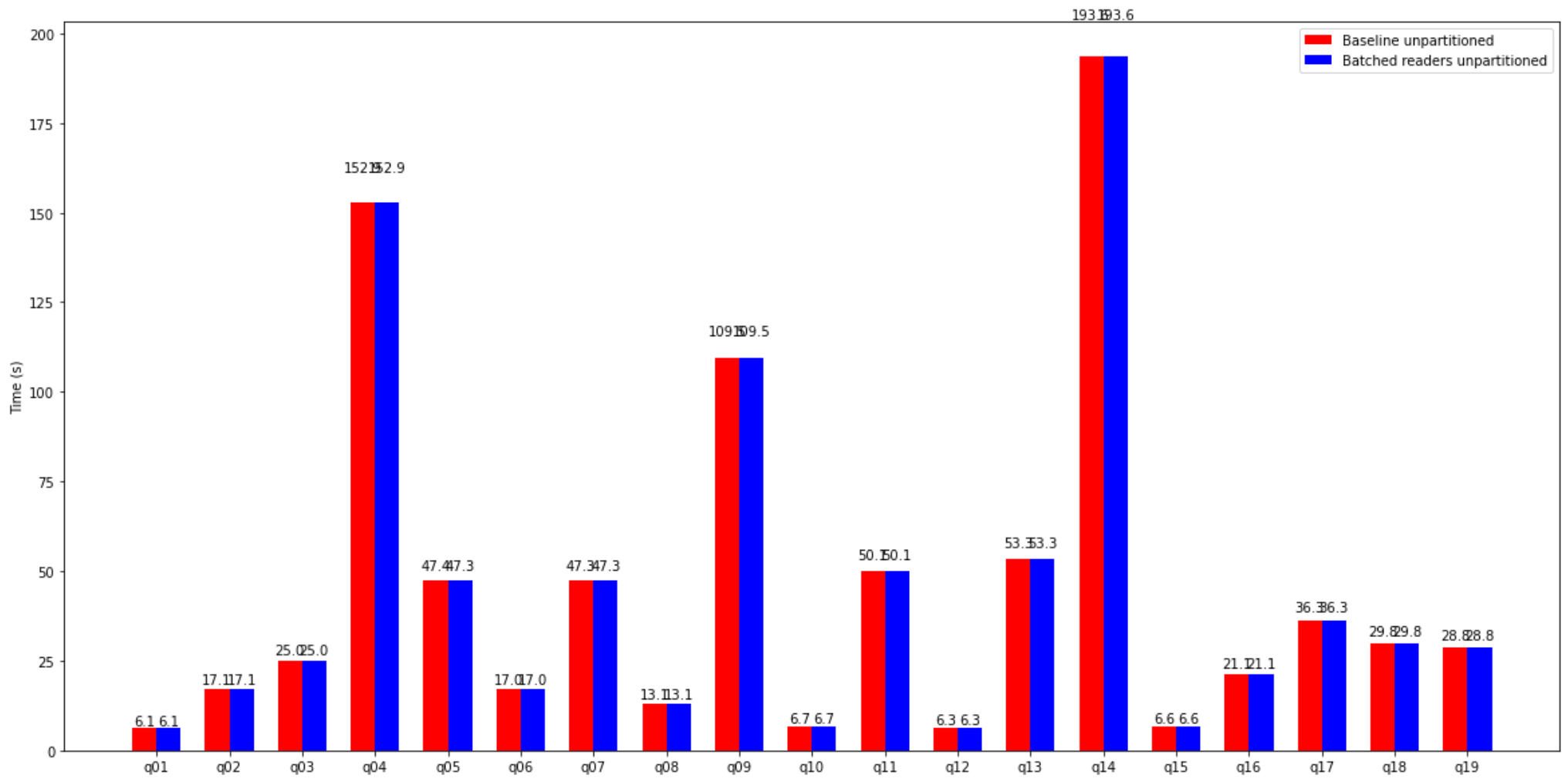


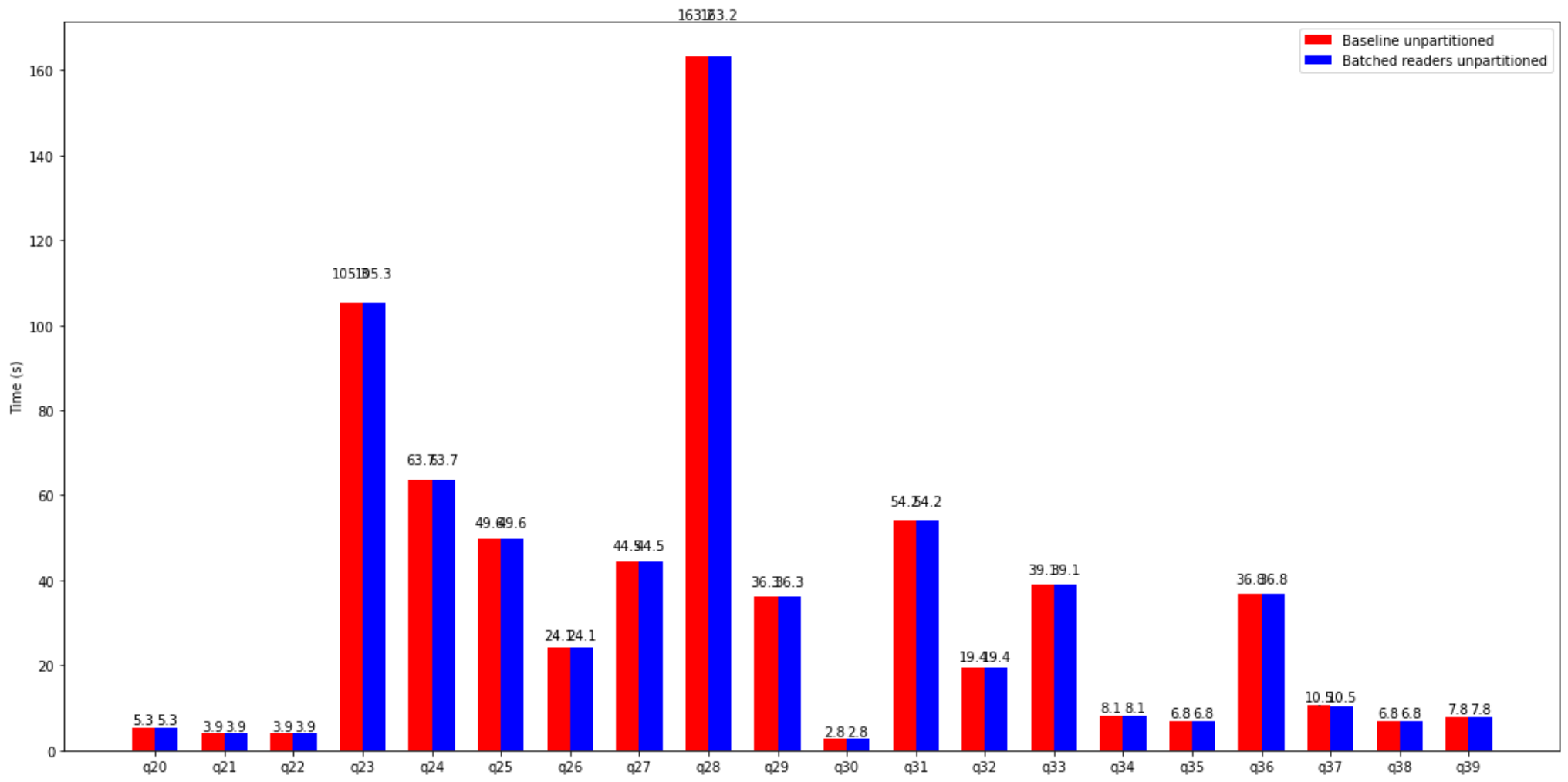


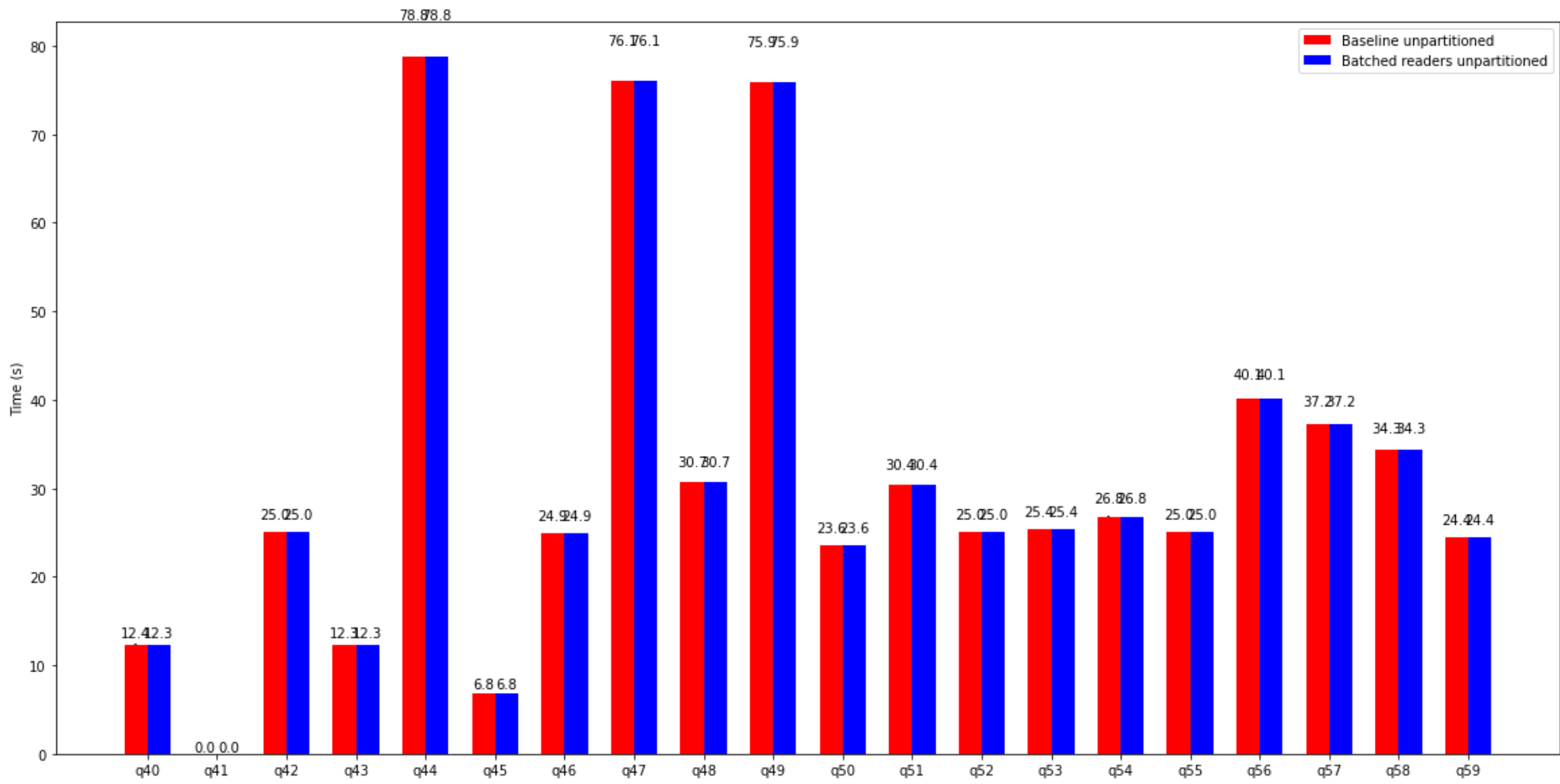
query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Batched readers unpartitioned mean	Batched readers unpartitioned std.dev
0 presto/tpch: q01	74.218 GiB	0	74.218 GiB	0
1 presto/tpch: q02	18.229 GiB	0	18.229 GiB	0
2 presto/tpch: q03	76.648 GiB	0	76.648 GiB	0
3 presto/tpch: q04	35.835 GiB	0	35.835 GiB	0
4 presto/tpch: q05	97.848 GiB	0	97.848 GiB	0
5 presto/tpch: q06	61.171 GiB	0	61.171 GiB	0
6 presto/tpch: q07	104.385 GiB	0	104.385 GiB	0
7 presto/tpch: q08	132.712 GiB	0	132.712 GiB	0

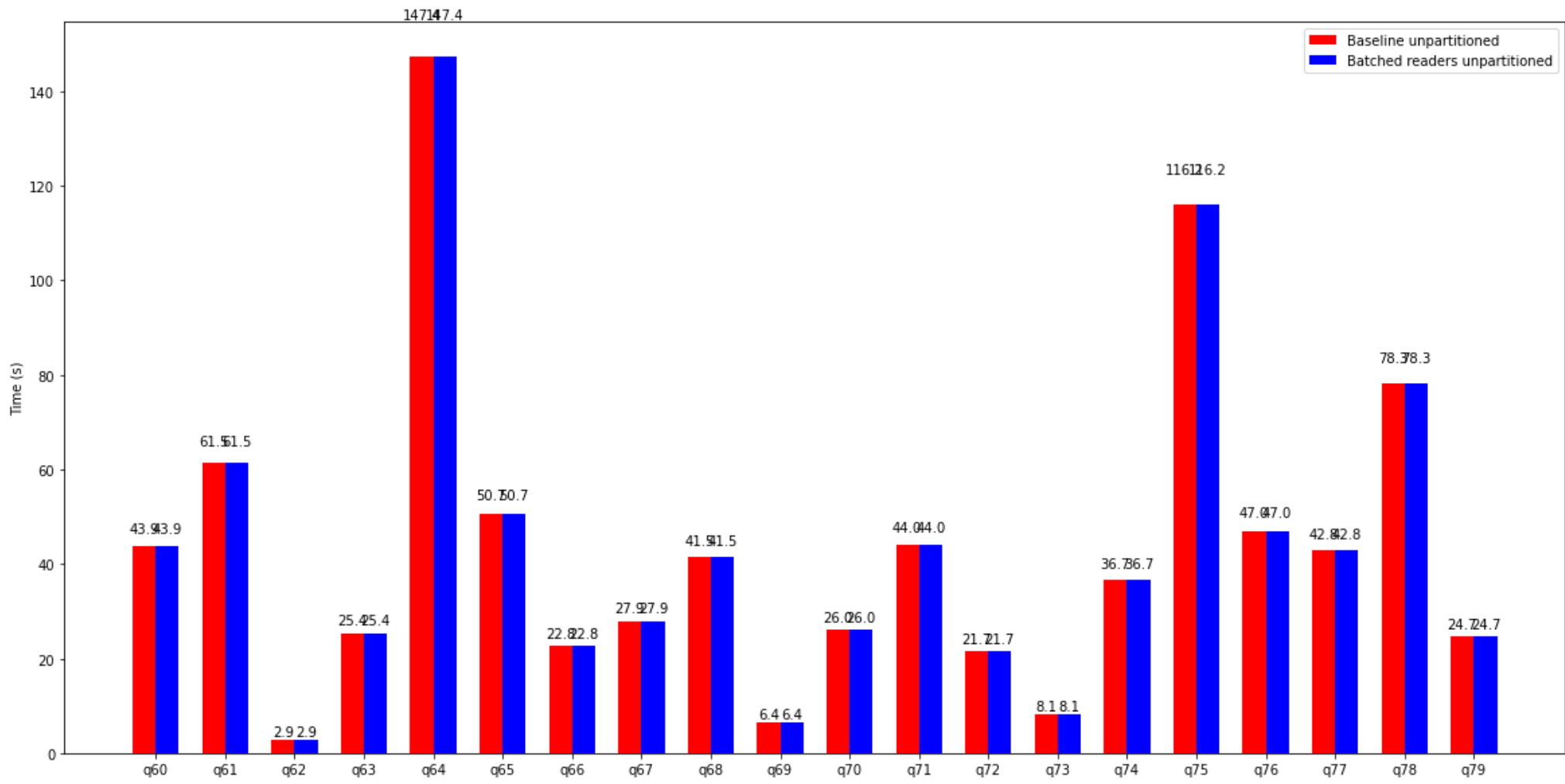
	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Batched readers unpartitioned mean	Batched readers unpartitioned std.dev
8	presto/tpch: q09	145.641 GiB	3.248 KiB	145.641 GiB	5.870 KiB
9	presto/tpch: q10	80.505 GiB	0	80.505 GiB	4.810 KiB
10	presto/tpch: q11	17.529 GiB	0	17.529 GiB	0
11	presto/tpch: q12	46.015 GiB	0	46.015 GiB	0
12	presto/tpch: q13	43.094 GiB	0	43.094 GiB	0
13	presto/tpch: q14	84.465 GiB	0	84.465 GiB	0
14	presto/tpch: q15	159.306 GiB	0	159.306 GiB	0
15	presto/tpch: q16	6.080 GiB	0	6.080 GiB	0
16	presto/tpch: q17	122.061 GiB	0	122.061 GiB	0
17	presto/tpch: q18	68.955 GiB	0	68.955 GiB	0
18	presto/tpch: q19	91.260 GiB	0	91.260 GiB	0
19	presto/tpch: q20	93.677 GiB	0	93.677 GiB	0
20	presto/tpch: q21	160.603 GiB	0	160.603 GiB	0
21	presto/tpch: q22	13.904 GiB	0	13.904 GiB	0

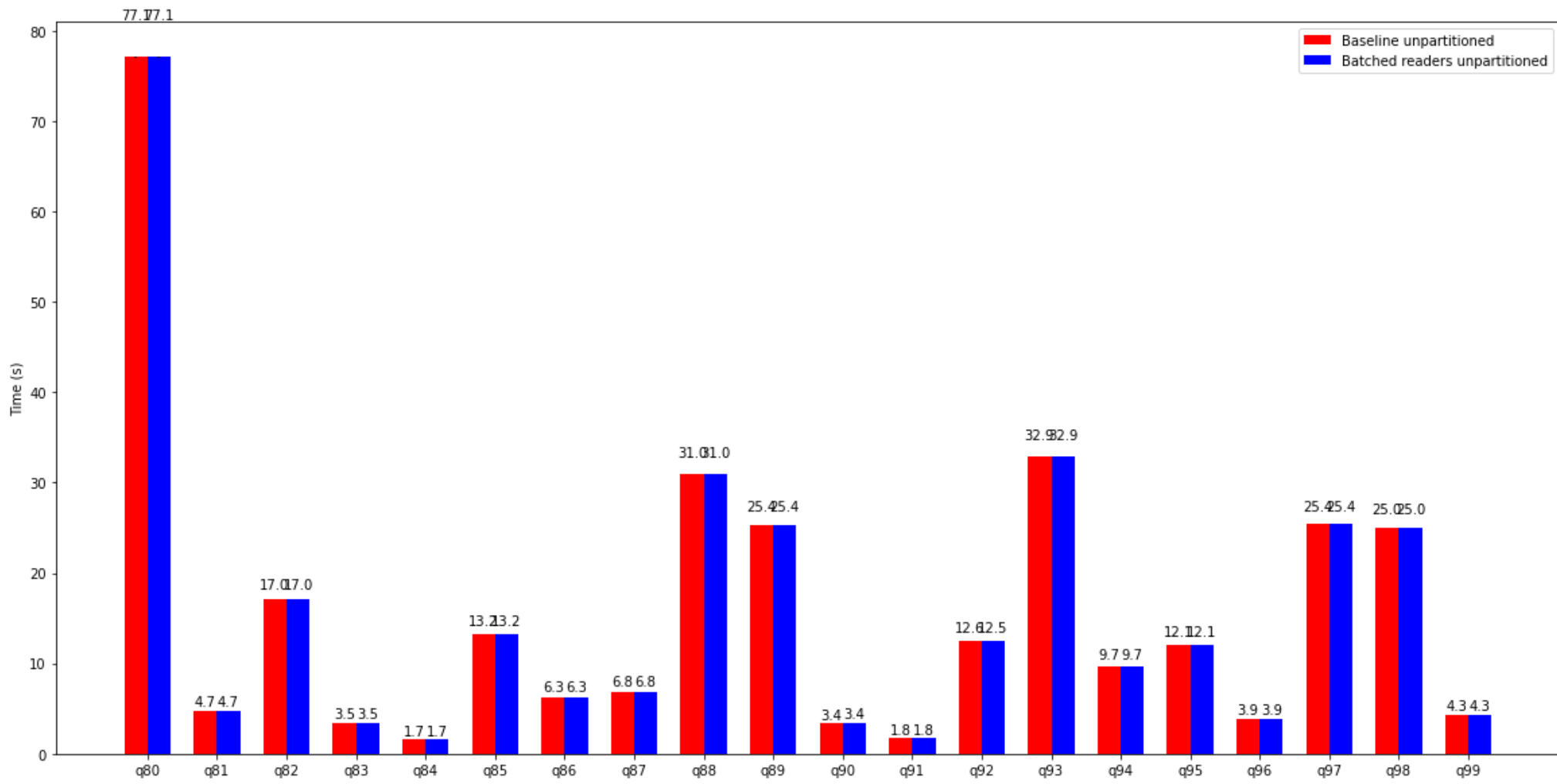
TPC-DS Comparison (physicalInputDataSize)

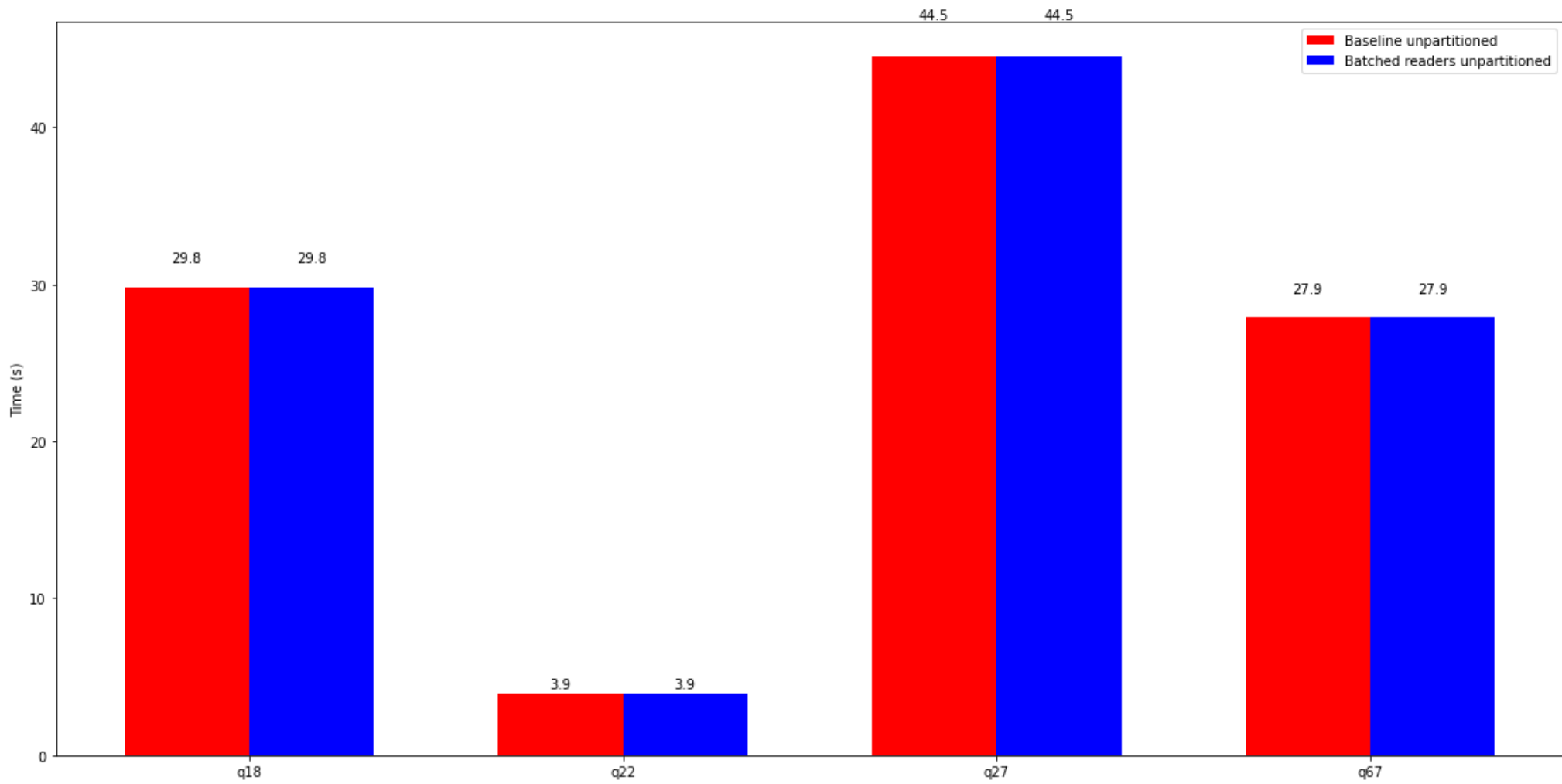












query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Batched readers unpartitioned mean	Batched readers unpartitioned std.dev
0 presto/tpcds: q01	6.135 GiB	0.965 MiB	6.135 GiB	1.287 MiB
1 presto/tpcds: q02	17.094 GiB	0	17.094 GiB	0
2 presto/tpcds: q03	25.025 GiB	0	25.025 GiB	0
3 presto/tpcds: q04	152.880 GiB	0	152.880 GiB	0
4 presto/tpcds: q05	47.359 GiB	43.613 MiB	47.329 GiB	38.067 MiB

	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Batched readers unpartitioned mean	Batched readers unpartitioned std.dev
5	presto/tpcds: q06	16.982 GiB	0	16.982 GiB	0
6	presto/tpcds: q07	47.321 GiB	0	47.321 GiB	0
7	presto/tpcds: q08	13.106 GiB	0	13.106 GiB	0
8	presto/tpcds: q09	109.505 GiB	0	109.505 GiB	0
9	presto/tpcds: q10	6.738 GiB	0	6.738 GiB	0
10	presto/tpcds: q11	50.090 GiB	0	50.090 GiB	0
11	presto/tpcds: q12	6.287 GiB	0	6.287 GiB	0
12	presto/tpcds: q13	53.323 GiB	0	53.323 GiB	0
13	presto/tpcds: q14	193.577 GiB	0	193.577 GiB	0
14	presto/tpcds: q15	6.565 GiB	0	6.565 GiB	0
15	presto/tpcds: q16	21.119 GiB	175.518 KiB	21.119 GiB	0
16	presto/tpcds: q17	36.274 GiB	1.301 MiB	36.275 GiB	0
17	presto/tpcds: q18	29.816 GiB	1.748 MiB	29.815 GiB	0
18	presto/tpcds: q19	28.833 GiB	1.661 MiB	28.834 GiB	0
19	presto/tpcds: q20	5.333 GiB	0	5.333 GiB	0
20	presto/tpcds: q21	3.915 GiB	0	3.922 GiB	15.904 MiB
21	presto/tpcds: q22	3.920 GiB	0	3.920 GiB	0
22	presto/tpcds: q23	105.280 GiB	0	105.280 GiB	0
23	presto/tpcds: q24	63.666 GiB	227.725 KiB	63.665 GiB	803.208 KiB
24	presto/tpcds: q25	49.591 GiB	0	49.591 GiB	0
25	presto/tpcds: q26	24.118 GiB	0	24.118 GiB	0
26	presto/tpcds: q27	44.502 GiB	0	44.502 GiB	0
27	presto/tpcds: q28	163.201 GiB	0	163.201 GiB	0
28	presto/tpcds: q29	36.273 GiB	0	36.273 GiB	0
29	presto/tpcds: q30	2.778 GiB	0	2.778 GiB	0

	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Batched readers unpartitioned mean	Batched readers unpartitioned std.dev
30	presto/tpcds: q31	54.160 GiB	0	54.160 GiB	0
31	presto/tpcds: q32	19.358 GiB	22.221 KiB	19.358 GiB	455.536 KiB
32	presto/tpcds: q33	39.079 GiB	0	39.079 GiB	0
33	presto/tpcds: q34	8.088 GiB	3.601 MiB	8.092 GiB	5.955 MiB
34	presto/tpcds: q35	6.771 GiB	0	6.771 GiB	0
35	presto/tpcds: q36	36.837 GiB	2.580 MiB	36.838 GiB	0
36	presto/tpcds: q37	10.507 GiB	18.841 MiB	10.495 GiB	0
37	presto/tpcds: q38	6.817 GiB	0	6.817 GiB	0
38	presto/tpcds: q39	7.783 GiB	0	7.783 GiB	0
39	presto/tpcds: q40	12.352 GiB	64.385 MiB	12.311 GiB	48.187 MiB
40	presto/tpcds: q41	15.435 MiB	0	15.435 MiB	0
41	presto/tpcds: q42	25.022 GiB	0	25.022 GiB	1.165 MiB
42	presto/tpcds: q43	12.264 GiB	2.894 MiB	12.263 GiB	2.644 MiB
43	presto/tpcds: q44	78.763 GiB	0	78.763 GiB	0
44	presto/tpcds: q45	6.848 GiB	0	6.848 GiB	0
45	presto/tpcds: q46	24.891 GiB	2.329 MiB	24.890 GiB	2.509 MiB
46	presto/tpcds: q47	76.106 GiB	0	76.105 GiB	1.465 MiB
47	presto/tpcds: q48	30.676 GiB	0	30.676 GiB	0
48	presto/tpcds: q49	75.920 GiB	0	75.920 GiB	0

	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Batched readers unpartitioned mean	Batched readers unpartitioned std.dev
49	presto/tpcds: q50	23.610 GiB	71.714 KiB	23.610 GiB	763.500 KiB
50	presto/tpcds: q51	30.426 GiB	0	30.426 GiB	0
51	presto/tpcds: q52	25.027 GiB	0	25.026 GiB	1.757 MiB
52	presto/tpcds: q53	25.369 GiB	0	25.369 GiB	0
53	presto/tpcds: q54	26.799 GiB	33.095 MiB	26.775 GiB	20.037 MiB
54	presto/tpcds: q55	25.027 GiB	0	25.027 GiB	1.328 MiB
55	presto/tpcds: q56	40.075 GiB	0	40.075 GiB	0
56	presto/tpcds: q57	37.205 GiB	404.528 KiB	37.205 GiB	1.088 MiB
57	presto/tpcds: q58	34.292 GiB	0	34.292 GiB	0
58	presto/tpcds: q59	24.437 GiB	1.713 MiB	24.440 GiB	3.091 MiB
59	presto/tpcds: q60	43.860 GiB	0	43.860 GiB	0
60	presto/tpcds: q61	61.504 GiB	22.371 KiB	61.504 GiB	619.705 KiB
61	presto/tpcds: q62	2.888 GiB	0	2.888 GiB	0
62	presto/tpcds: q63	25.375 GiB	0	25.375 GiB	0
63	presto/tpcds: q64	147.363 GiB	1.117 MiB	147.363 GiB	1.306 MiB
64	presto/tpcds: q65	50.677 GiB	0	50.677 GiB	0
65	presto/tpcds: q66	22.774 GiB	2.080 MiB	22.771 GiB	2.231 MiB
66	presto/tpcds: q67	27.933 GiB	0	27.932 GiB	2.202 MiB
67	presto/tpcds: q68	41.528 GiB	4.865 MiB	41.531 GiB	0
68	presto/tpcds: q69	6.422 GiB	0	6.422 GiB	0

	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Batched readers unpartitioned mean	Batched readers unpartitioned std.dev
69	presto/tpcds: q70	26.004 GiB	2.777 MiB	26.005 GiB	600.269 KiB
70	presto/tpcds: q71	44.044 GiB	1.060 MiB	44.044 GiB	554.121 KiB
71	presto/tpcds: q72	21.661 GiB	638.157 KiB	21.661 GiB	871.381 KiB
72	presto/tpcds: q73	8.092 GiB	6.023 MiB	8.094 GiB	4.001 MiB
73	presto/tpcds: q74	36.687 GiB	0	36.687 GiB	0
74	presto/tpcds: q75	116.174 GiB	32.260 KiB	116.174 GiB	0
75	presto/tpcds: q76	46.995 GiB	0	46.995 GiB	0
76	presto/tpcds: q77	42.793 GiB	0	42.793 GiB	0
77	presto/tpcds: q78	78.299 GiB	667.042 KiB	78.298 GiB	0.995 MiB
78	presto/tpcds: q79	24.733 GiB	0	24.732 GiB	896.742 KiB
79	presto/tpcds: q80	77.110 GiB	41.662 MiB	77.090 GiB	61.545 MiB
80	presto/tpcds: q81	4.739 GiB	0	4.739 GiB	0
81	presto/tpcds: q82	17.041 GiB	0	17.041 GiB	0
82	presto/tpcds: q83	3.466 GiB	0	3.466 GiB	0
83	presto/tpcds: q84	1.655 GiB	736.424 KiB	1.655 GiB	602.386 KiB
84	presto/tpcds: q85	13.239 GiB	0	13.236 GiB	5.565 MiB
85	presto/tpcds: q86	6.285 GiB	0	6.285 GiB	0
86	presto/tpcds: q87	6.817 GiB	0	6.817 GiB	0
87	presto/tpcds: q88	30.977 GiB	4.819 MiB	30.981 GiB	0.992 MiB
88	presto/tpcds: q89	25.369 GiB	0	25.369 GiB	0
89	presto/tpcds: q90	3.397 GiB	17.628 MiB	3.411 GiB	13.093 MiB
90	presto/tpcds: q91	1.798 GiB	0	1.798 GiB	0

	query	Baseline unpartitioned mean	Baseline unpartitioned std.dev	Batched readers unpartitioned mean	Batched readers unpartitioned std.dev
91	presto/tpcds: q92	12.550 GiB	0	12.550 GiB	1.059 MiB
92	presto/tpcds: q93	32.875 GiB	0	32.875 GiB	0
93	presto/tpcds: q94	9.683 GiB	0	9.683 GiB	0
94	presto/tpcds: q95	12.068 GiB	98.546 KiB	12.068 GiB	672.959 KiB
95	presto/tpcds: q96	3.867 GiB	5.967 MiB	3.872 GiB	0
96	presto/tpcds: q97	25.403 GiB	0	25.403 GiB	0
97	presto/tpcds: q98	25.016 GiB	0	25.016 GiB	0
98	presto/tpcds: q99	4.343 GiB	0	4.343 GiB	0