

# FAILED QUERIES

## iceberg partitioned parquet baseline

benchmark query mean\_duration std\_dev

## small read threshold 3mb

benchmark query mean\_duration std\_dev

## small read threshold 4mb

benchmark query mean\_duration std\_dev

## small read threshold 5mb

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 internalNetworkInputDataSize	TPC-DS internalNetworkInputDataSize	TPCH peak memory	TPC-DS peak memory	TPCH planning time	TPC-DS planning time
0	iceberg partitioned parquet baseline	403.953333	750.951500	43150.400000	71646.629167	768.379 GiB	0.938 TiB	1.272 TiB	1.359 TiB	561.896 GiB	878.322 GiB	8.596505	82.027743
1	small read threshold 3mb	393.365667	741.911000	41579.300000	71858.881333	770.796 GiB	0.976 TiB	1.272 TiB	1.359 TiB	549.619 GiB	878.261 GiB	8.631685	80.727507
2	small read threshold 4mb	392.278167	747.627833	39464.100000	72397.526667	772.280 GiB	1.008 TiB	1.272 TiB	1.359 TiB	547.142 GiB	873.709 GiB	8.500675	80.010800
3	small read threshold 5mb	390.991500	755.335000	39531.900000	72993.631167	773.550 GiB	1.045 TiB	1.272 TiB	1.360 TiB	542.503 GiB	879.181 GiB	8.533148	79.659248

## Store sales flat Comparison (DURATION)

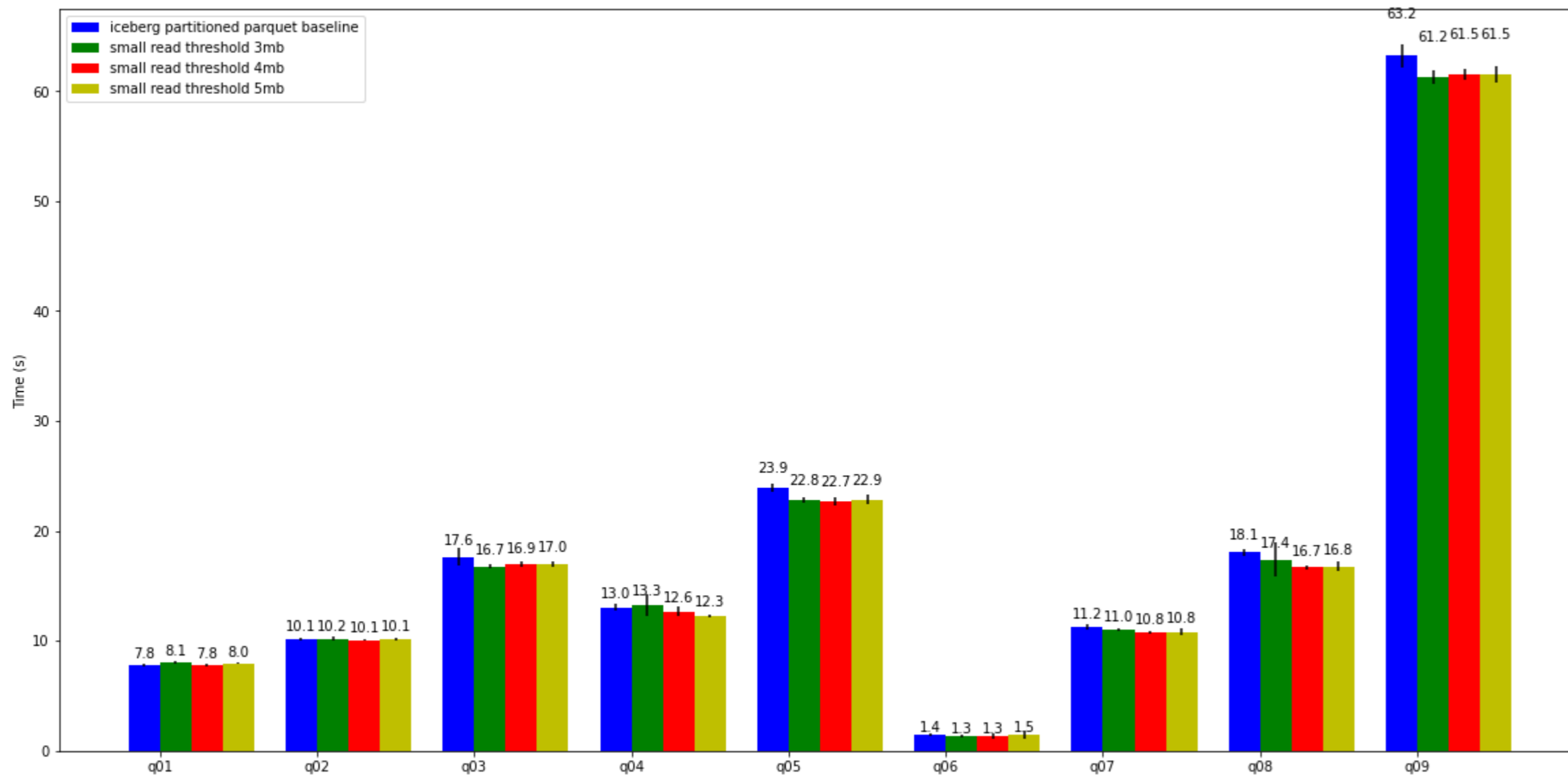
## Store sales flat Comparison (CPU)

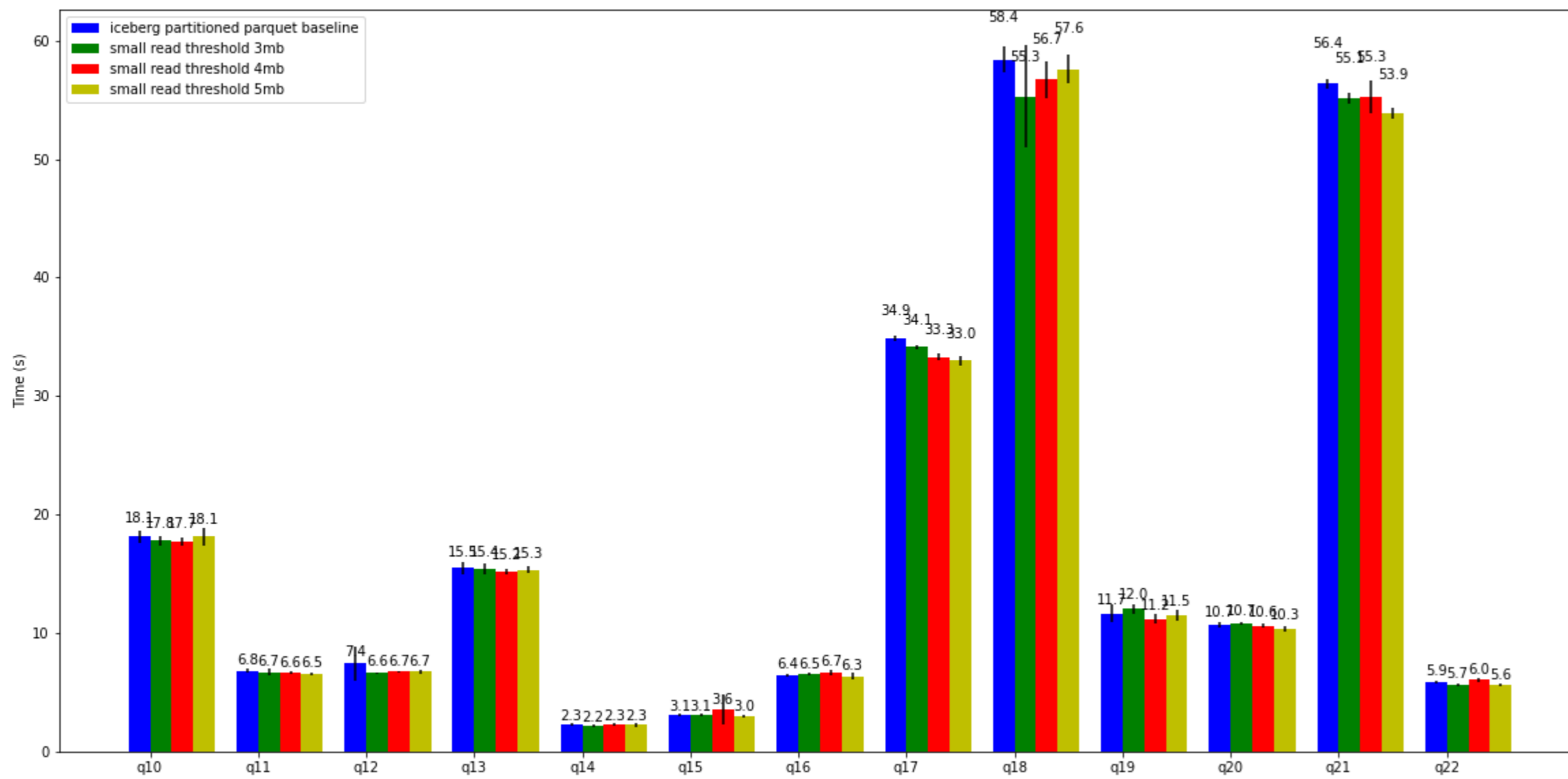
## Insert Comparison (DURATION)

## Insert Comparison (CPU)

# Insert Comparison (PEAK MEMORY)

## TPC-H Comparison (DURATION)

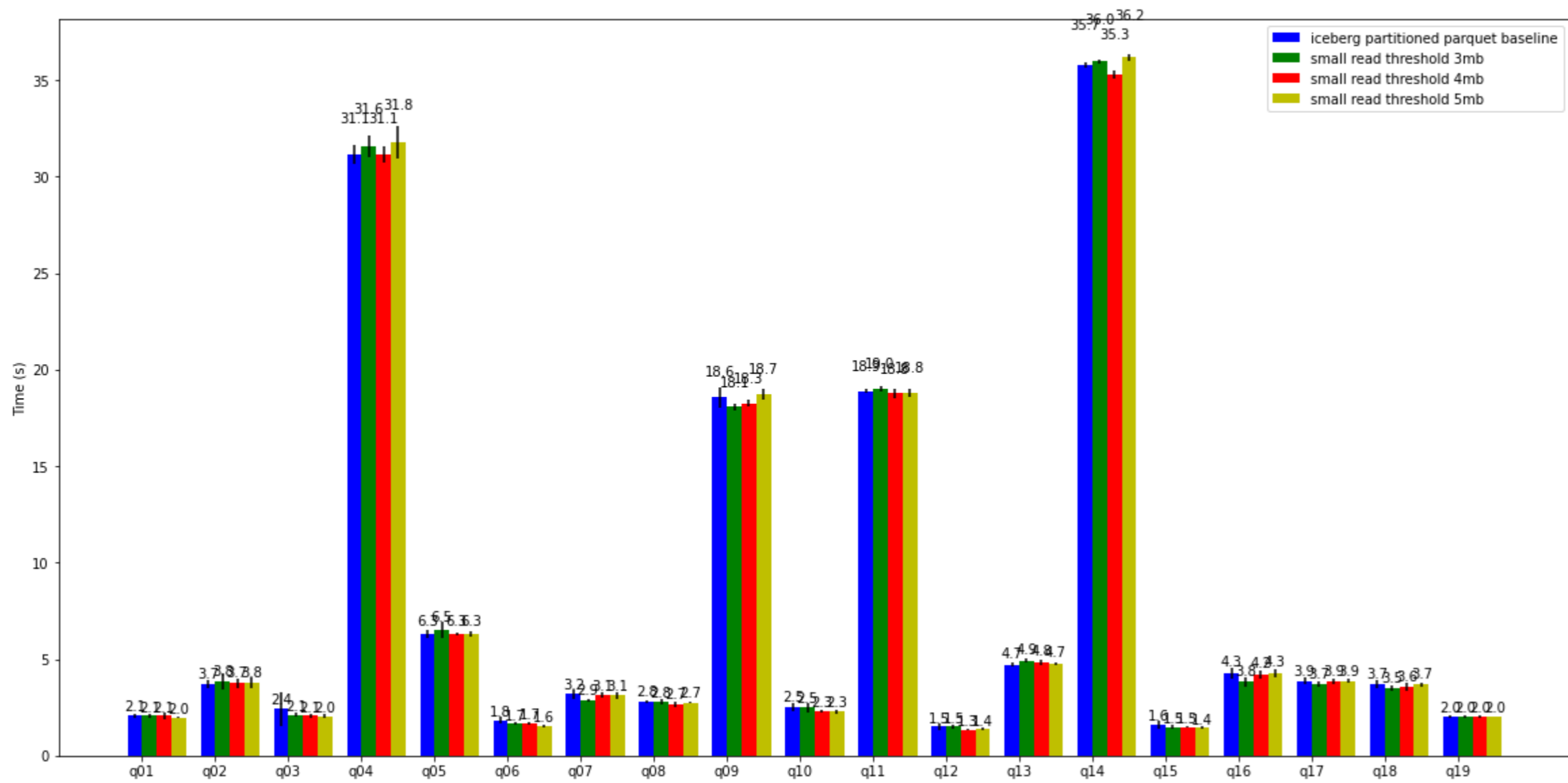


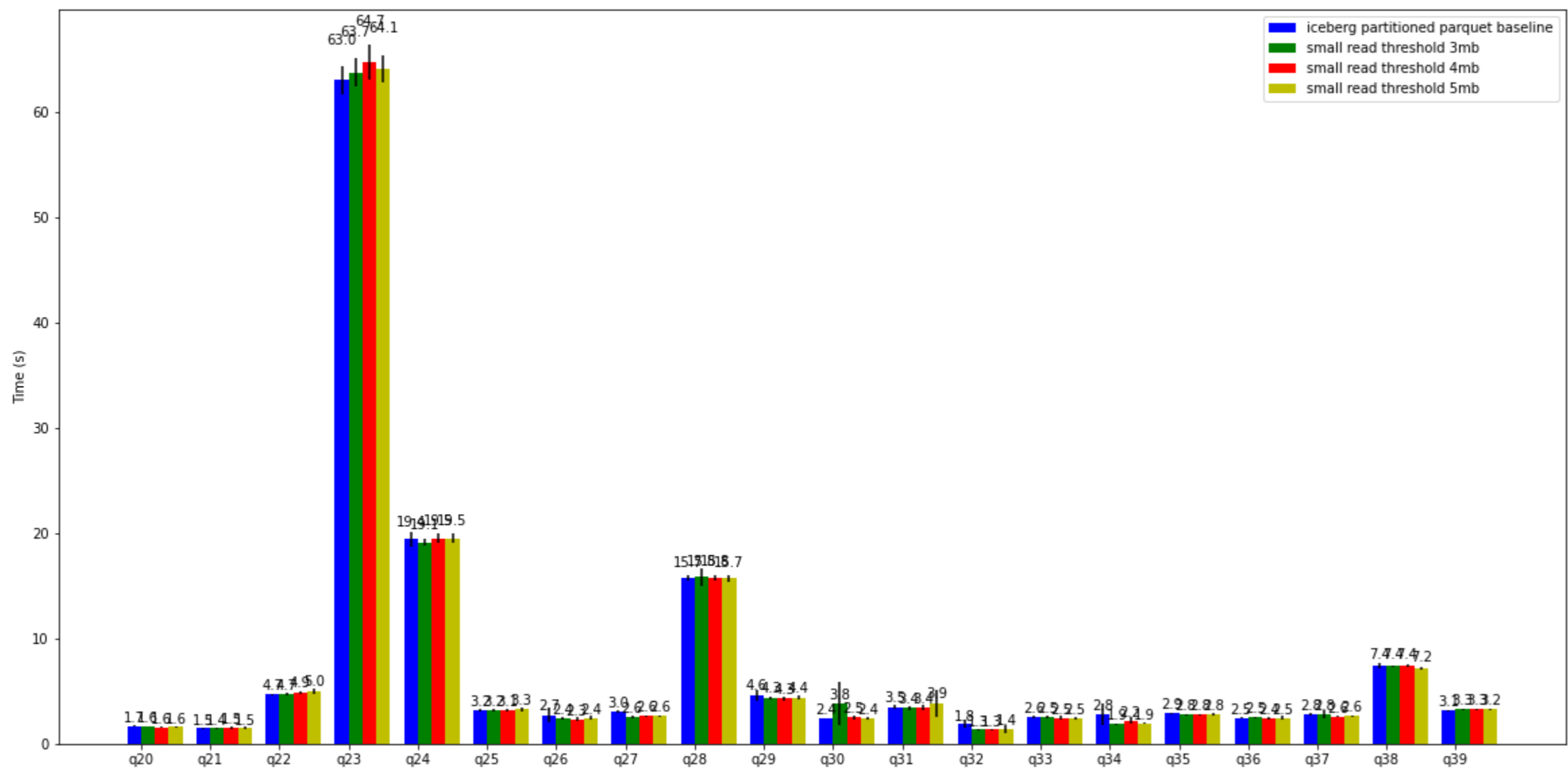


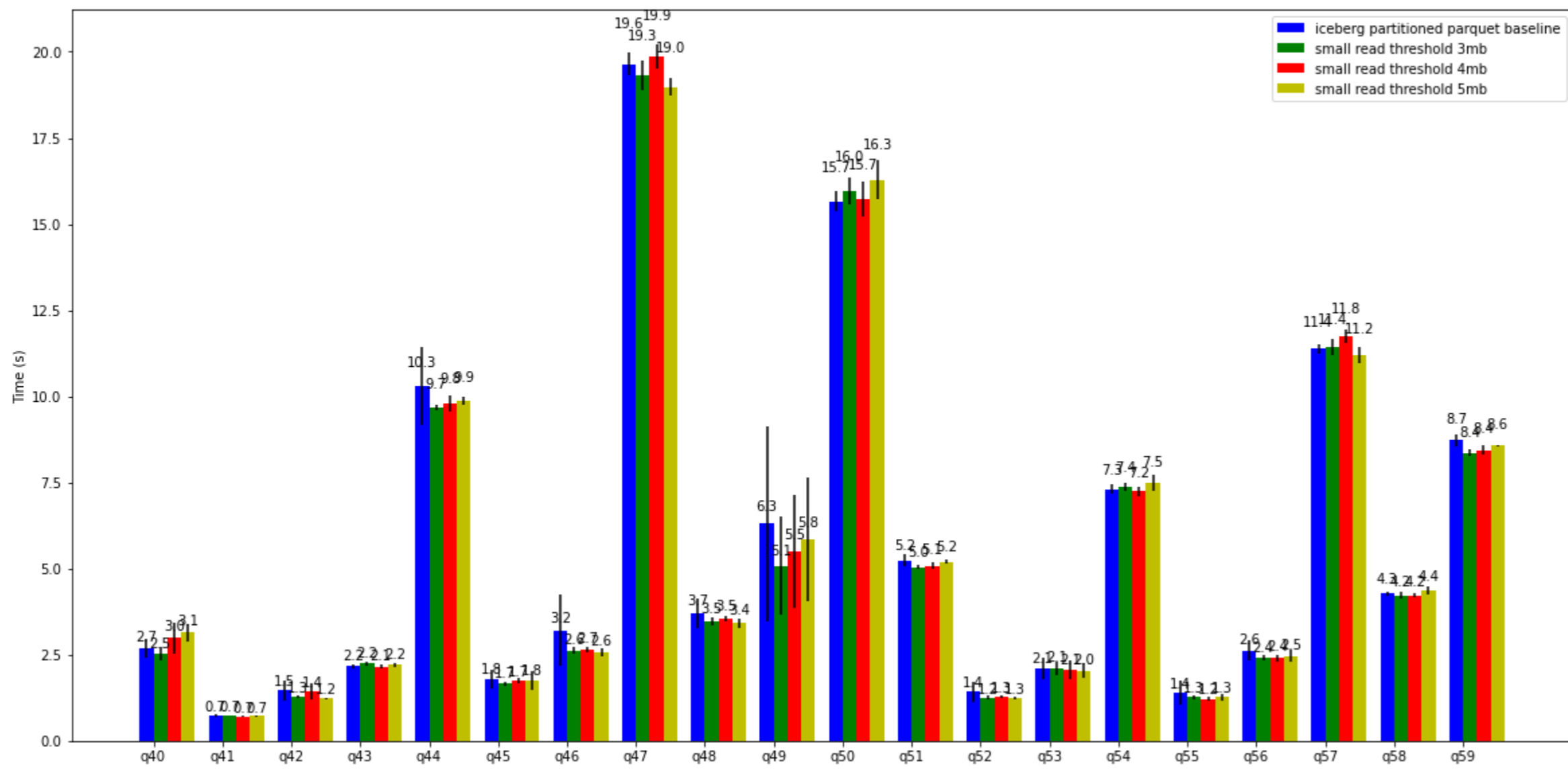
query	iceberg partitioned parquet baseline mean	iceberg partitioned parquet baseline std.dev	small read threshold 3mb mean	small read threshold 3mb std.dev	small read threshold 4mb mean	small read threshold 4mb std.dev	small read threshold 5mb mean	small read threshold 5mb std.dev	
0	presto/tpch: q01	7.751500	0.109511	8.084167	0.139561	7.773833	0.133125	7.970000	0.053681
1	presto/tpch: q02	10.149167	0.174284	10.206500	0.177881	10.079500	0.105726	10.122167	0.121973
2	presto/tpch: q03	17.646333	0.839458	16.739000	0.191436	16.948333	0.228725	17.013833	0.256048
3	presto/tpch: q04	13.028000	0.301951	13.277000	1.020567	12.644167	0.432117	12.290833	0.143571
4	presto/tpch: q05	23.918167	0.365578	22.818167	0.245260	22.680667	0.359753	22.854333	0.474813
5	presto/tpch: q06	1.448833	0.138141	1.341333	0.074602	1.335667	0.205879	1.458167	0.349784
6	presto/tpch: q07	11.238500	0.238167	11.022167	0.161970	10.810833	0.117217	10.825333	0.295877
7	presto/tpch: q08	18.069667	0.327790	17.396000	1.531647	16.678833	0.170599	16.764833	0.458737
8	presto/tpch: q09	63.210333	1.029387	61.245833	0.625882	61.501000	0.510255	61.516167	0.710327
9	presto/tpch: q10	18.144000	0.512350	17.782000	0.395113	17.709000	0.298565	18.125167	0.778038
10	presto/tpch: q11	6.814333	0.154992	6.695167	0.277313	6.606333	0.119507	6.521000	0.134122

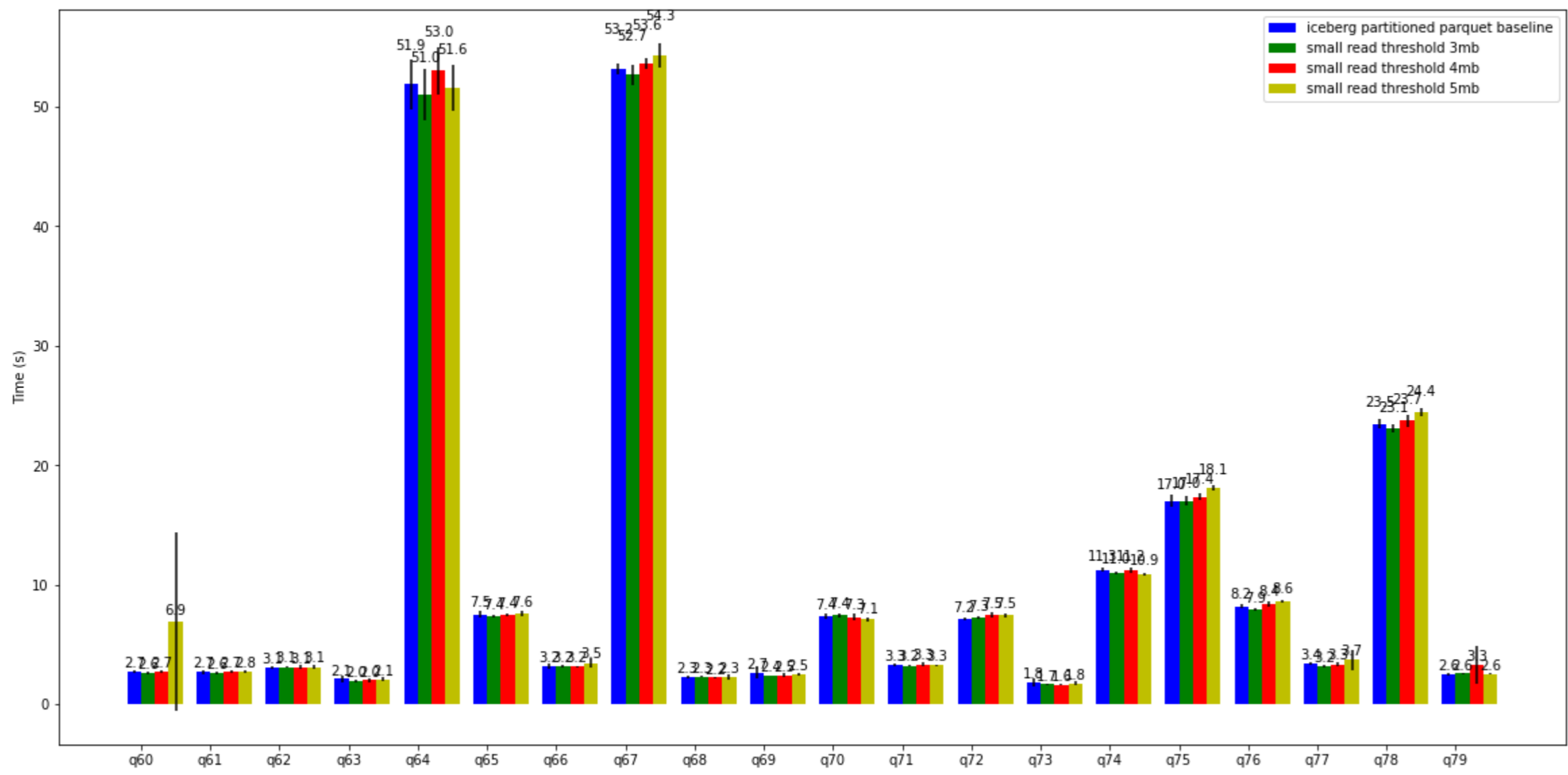
	query	iceberg partitioned parquet baseline mean	iceberg partitioned parquet baseline std.dev	small read threshold 3mb mean	small read threshold 3mb std.dev	small read threshold 4mb mean	small read threshold 4mb std.dev	small read threshold 5mb mean	small read threshold 5mb std.dev
11	presto/tpch: q12	7.405333	1.453470	6.614500	0.090077	6.719833	0.096618	6.721500	0.201092
12	presto/tpch: q13	15.466167	0.472059	15.421167	0.494831	15.169667	0.236979	15.310500	0.304134
13	presto/tpch: q14	2.305167	0.106193	2.192167	0.112968	2.304833	0.091642	2.264667	0.171662
14	presto/tpch: q15	3.085167	0.074314	3.077333	0.098867	3.563667	1.294429	2.998333	0.085752
15	presto/tpch: q16	6.424667	0.152268	6.489667	0.114664	6.657833	0.256487	6.329167	0.281937
16	presto/tpch: q17	34.892833	0.227088	34.126333	0.220584	33.288167	0.276972	32.988167	0.370891
17	presto/tpch: q18	58.412167	1.055920	55.282000	4.338282	56.704000	1.589854	57.593333	1.217820
18	presto/tpch: q19	11.658000	0.720021	12.029500	0.412840	11.197167	0.378929	11.477667	0.437806
19	presto/tpch: q20	10.667500	0.222318	10.749333	0.113521	10.607333	0.155704	10.343167	0.255067
20	presto/tpch: q21	56.351833	0.392670	55.122000	0.475152	55.273833	1.406277	53.883333	0.457498
21	presto/tpch: q22	5.865667	0.144148	5.654333	0.092619	6.023667	0.188943	5.619833	0.123317

## TPC-DS Comparison (DURATION)

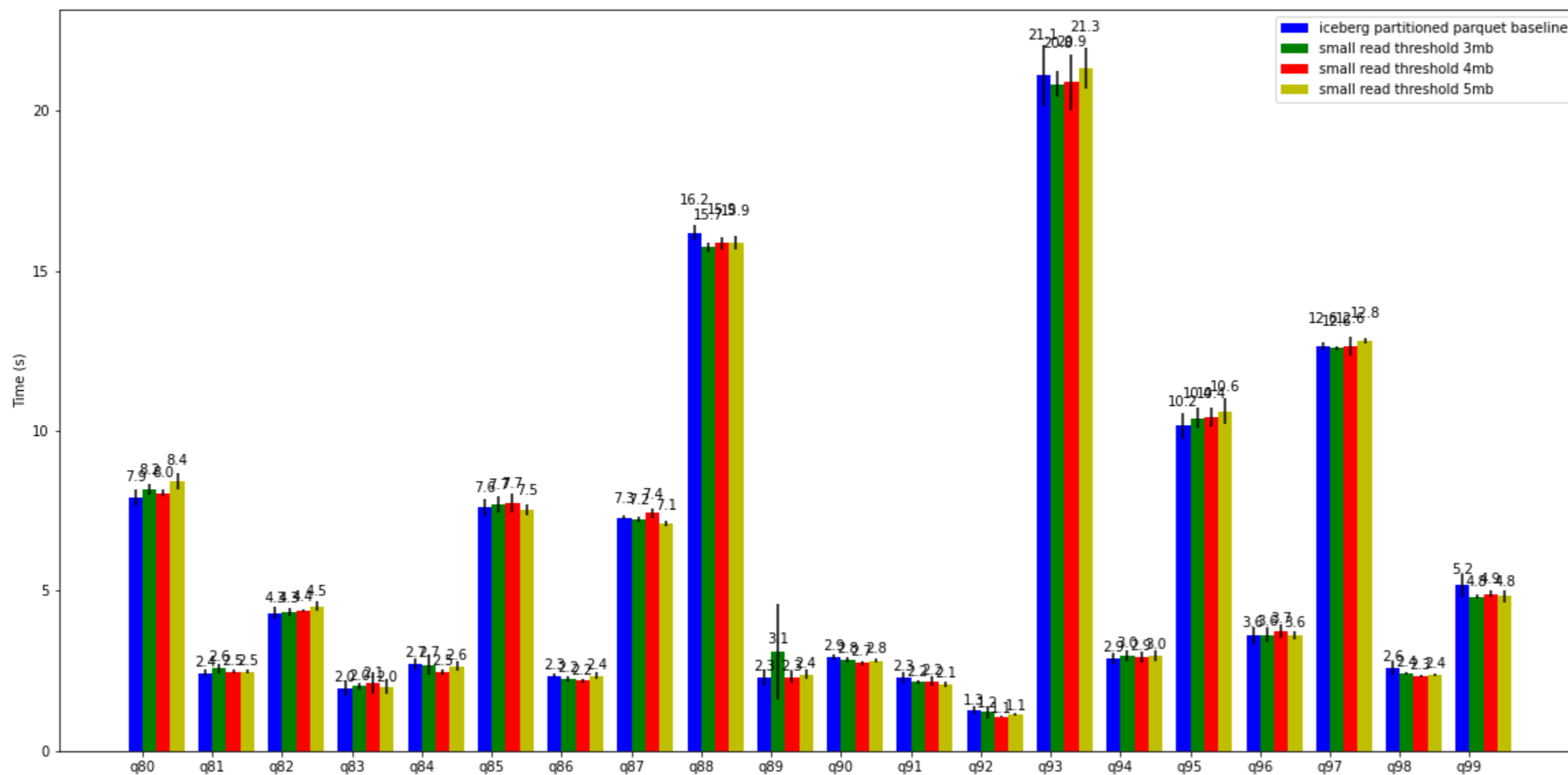












query	iceberg partitioned parquet baseline mean	iceberg partitioned parquet baseline std.dev	small read threshold 3mb mean	small read threshold 3mb std.dev	small read threshold 4mb mean	small read threshold 4mb std.dev	small read threshold 5mb mean	small read threshold 5mb std.dev
0 presto/tpcds: q01	2.082333	0.110766	2.060667	0.075867	2.062333	0.193209	1.974333	0.050847
1 presto/tpcds: q02	3.727667	0.220815	3.833000	0.419627	3.747333	0.257158	3.791667	0.279378
2 presto/tpcds: q03	2.426667	0.869139	2.123333	0.104913	2.056500	0.126996	2.029000	0.103160
3 presto/tpcds: q04	31.113000	0.495926	31.579167	0.544569	31.132333	0.424377	31.778167	0.858259
4 presto/tpcds: q05	6.308000	0.208965	6.512833	0.429483	6.293333	0.077601	6.329333	0.145964
5 presto/tpcds: q06	1.840167	0.149935	1.657000	0.061589	1.676333	0.054173	1.555000	0.075610
6 presto/tpcds: q07	3.180167	0.274178	2.873167	0.050301	3.122833	0.139750	3.121833	0.174032
7 presto/tpcds: q08	2.807667	0.081446	2.798667	0.158903	2.676333	0.145468	2.743500	0.051718
8 presto/tpcds: q09	18.572167	0.522008	18.073500	0.169419	18.257667	0.186941	18.717167	0.253998
9 presto/tpcds: q10	2.540000	0.211150	2.489500	0.245088	2.283333	0.057847	2.270667	0.084706
10 presto/tpcds: q11	18.879667	0.114919	19.019000	0.148708	18.766000	0.254956	18.796667	0.211009

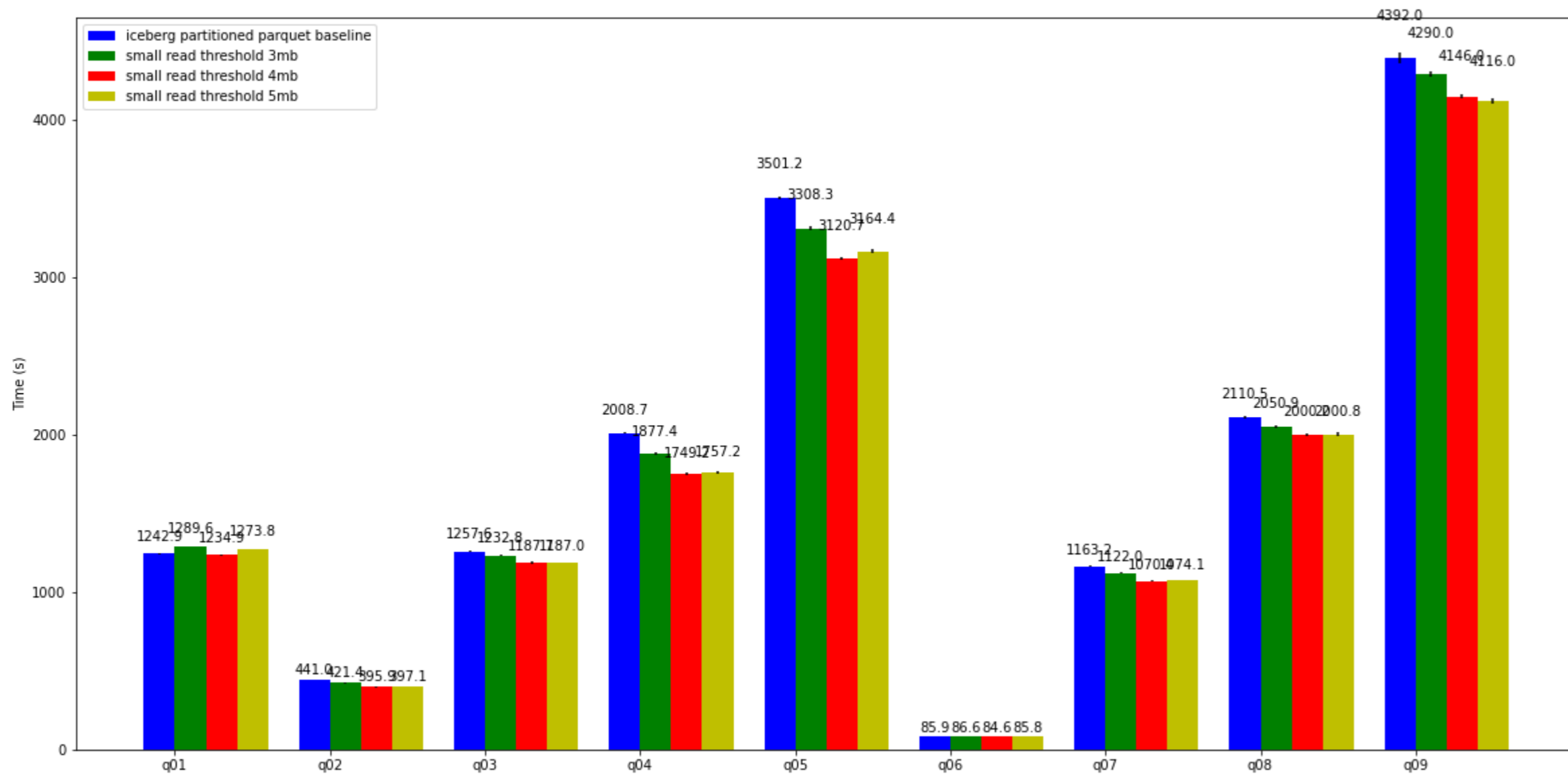
	query	iceberg partitioned parquet baseline mean	iceberg partitioned parquet baseline std.dev	small read threshold 3mb mean	small read threshold 3mb std.dev	small read threshold 4mb mean	small read threshold 4mb std.dev	small read threshold 5mb mean	small read threshold 5mb std.dev
11	presto/tpcds: q12	1.500833	0.189534	1.501333	0.117396	1.347500	0.025050	1.379333	0.087438
12	presto/tpcds: q13	4.706000	0.097332	4.924333	0.129189	4.831167	0.111530	4.741000	0.074734
13	presto/tpcds: q14	35.745333	0.141870	35.978000	0.108630	35.278000	0.234932	36.168500	0.160702
14	presto/tpcds: q15	1.603000	0.192691	1.473500	0.118394	1.486000	0.048108	1.435500	0.061109
15	presto/tpcds: q16	4.272167	0.299006	3.822167	0.241966	4.207833	0.232116	4.273333	0.209062
16	presto/tpcds: q17	3.864000	0.190571	3.702667	0.119774	3.862000	0.142122	3.865667	0.113873
17	presto/tpcds: q18	3.697500	0.188429	3.514500	0.128788	3.561667	0.189470	3.676833	0.124453
18	presto/tpcds: q19	2.020500	0.060159	2.025500	0.064754	2.027833	0.074204	2.018167	0.020094
19	presto/tpcds: q20	1.662833	0.046791	1.646333	0.055669	1.570500	0.016909	1.603167	0.046284
20	presto/tpcds: q21	1.472833	0.039600	1.449500	0.030045	1.522667	0.141696	1.478833	0.151706
21	presto/tpcds: q22	4.675667	0.094029	4.667833	0.120481	4.850500	0.130866	4.994500	0.219802
22	presto/tpcds: q23	63.005833	1.328038	63.728333	1.382731	64.690000	1.673840	64.094000	1.303112
23	presto/tpcds: q24	19.424833	0.721765	19.126500	0.321568	19.504833	0.446142	19.512667	0.397018
24	presto/tpcds: q25	3.194333	0.110634	3.184333	0.180010	3.128500	0.121138	3.275833	0.198698
25	presto/tpcds: q26	2.726000	0.697283	2.357500	0.122828	2.329833	0.176095	2.425667	0.202589
26	presto/tpcds: q27	3.020833	0.138768	2.554167	0.084903	2.637667	0.037649	2.639333	0.063124
27	presto/tpcds: q28	15.717167	0.286468	15.827167	0.842605	15.788000	0.256676	15.710333	0.301965
28	presto/tpcds: q29	4.601000	0.534661	4.343333	0.145225	4.285000	0.159941	4.379333	0.161163
29	presto/tpcds: q30	2.399833	0.039812	3.812500	2.040988	2.490167	0.227093	2.409500	0.094008
30	presto/tpcds: q31	3.462667	0.194385	3.389000	0.181978	3.431167	0.262903	3.856833	1.280515
31	presto/tpcds: q32	1.848167	0.370435	1.349500	0.059170	1.332333	0.113581	1.414333	0.397850
32	presto/tpcds: q33	2.557667	0.089133	2.517667	0.091555	2.472333	0.143006	2.452333	0.113523
33	presto/tpcds: q34	2.811167	1.022136	1.884667	0.054993	2.214167	0.290730	1.940167	0.088779
34	presto/tpcds: q35	2.870833	0.097629	2.764500	0.058429	2.772000	0.084071	2.781500	0.116946
35	presto/tpcds: q36	2.450167	0.083703	2.480500	0.072299	2.418667	0.141599	2.463667	0.163044

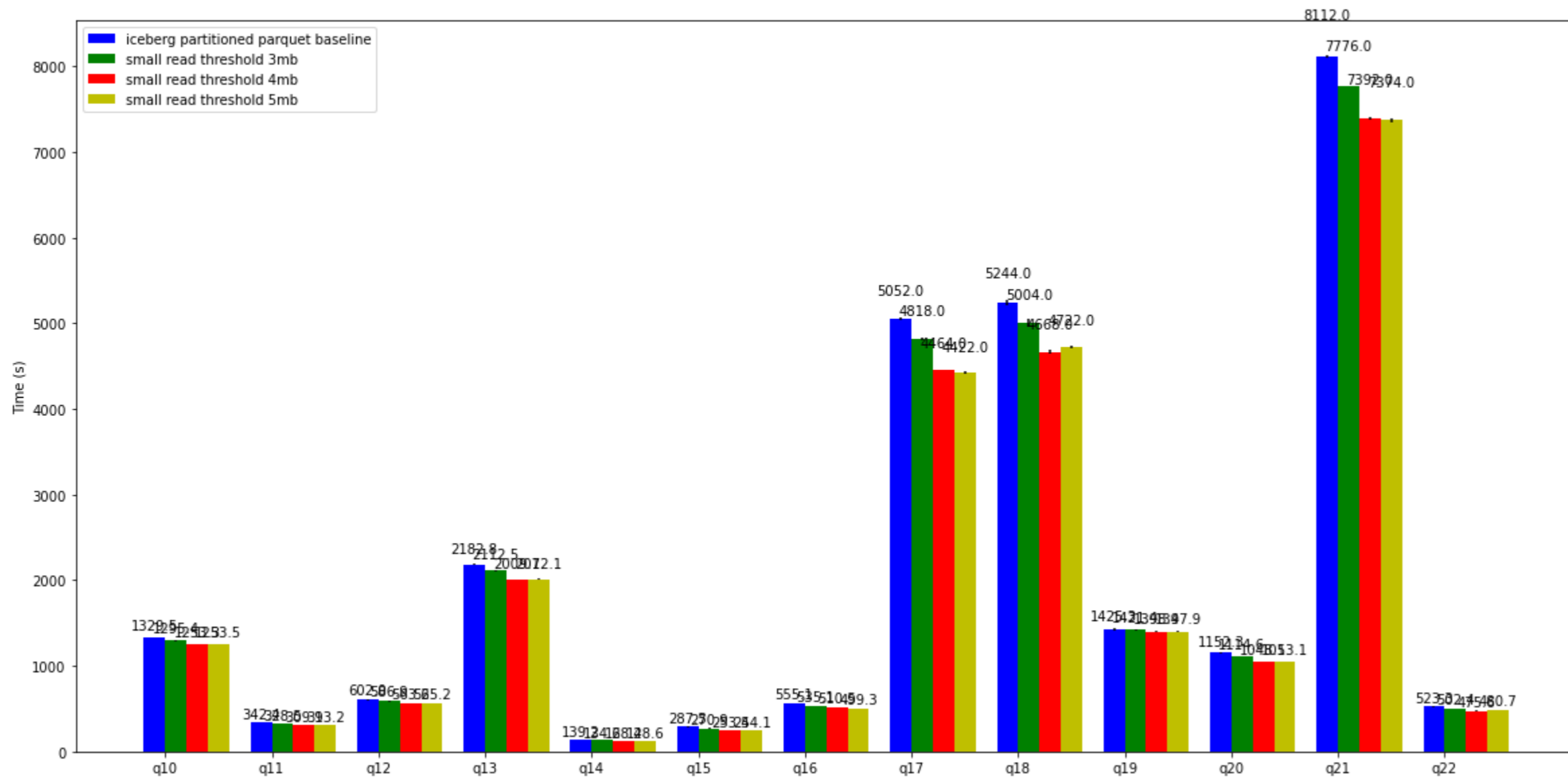
	query	iceberg partitioned parquet baseline mean	iceberg partitioned parquet baseline std.dev	small read threshold 3mb mean	small read threshold 3mb std.dev	small read threshold 4mb mean	small read threshold 4mb std.dev	small read threshold 5mb mean	small read threshold 5mb std.dev
36	presto/tpcds: q37	2.802167	0.168424	2.839167	0.374135	2.599333	0.099889	2.614167	0.096319
37	presto/tpcds: q38	7.389500	0.246088	7.362667	0.081924	7.366667	0.129812	7.163833	0.099995
38	presto/tpcds: q39	3.140167	0.062336	3.251833	0.034231	3.283333	0.046449	3.250000	0.066357
39	presto/tpcds: q40	2.686167	0.262422	2.512167	0.194888	2.982667	0.437779	3.136833	0.270733
40	presto/tpcds: q41	0.737833	0.042258	0.732000	0.015925	0.701000	0.018889	0.723333	0.015744
41	presto/tpcds: q42	1.461500	0.285220	1.263333	0.037452	1.432000	0.231335	1.226333	0.033092
42	presto/tpcds: q43	2.172833	0.056743	2.242667	0.052164	2.146667	0.063032	2.197833	0.064772
43	presto/tpcds: q44	10.282167	1.133874	9.672167	0.088777	9.803000	0.236013	9.876167	0.125310
44	presto/tpcds: q45	1.782000	0.272494	1.662500	0.064915	1.732167	0.076622	1.750167	0.276948
45	presto/tpcds: q46	3.207333	1.024822	2.619667	0.096564	2.651833	0.083387	2.558167	0.111530
46	presto/tpcds: q47	19.641000	0.320236	19.303833	0.428458	19.851333	0.358557	18.971333	0.256437
47	presto/tpcds: q48	3.698667	0.433540	3.465667	0.121040	3.545667	0.062654	3.417667	0.140647
48	presto/tpcds: q49	6.298000	2.841880	5.075500	1.426021	5.498500	1.644409	5.837833	1.791062
49	presto/tpcds: q50	15.659167	0.298242	15.967500	0.393371	15.725167	0.489447	16.276667	0.564578
50	presto/tpcds: q51	5.227167	0.172112	5.041500	0.053437	5.083667	0.095724	5.185833	0.058311
51	presto/tpcds: q52	1.421000	0.304699	1.246000	0.058231	1.265167	0.036124	1.251167	0.046006
52	presto/tpcds: q53	2.101500	0.310980	2.108333	0.201476	2.065500	0.282923	2.040500	0.232365
53	presto/tpcds: q54	7.308333	0.132491	7.381667	0.123007	7.236833	0.132331	7.502333	0.238206
54	presto/tpcds: q55	1.399167	0.356493	1.270000	0.058890	1.215833	0.059000	1.270500	0.088577
55	presto/tpcds: q56	2.617500	0.291022	2.401833	0.074171	2.409833	0.096558	2.462167	0.178359
56	presto/tpcds: q57	11.378667	0.144486	11.439833	0.241326	11.750167	0.188330	11.188833	0.234123
57	presto/tpcds: q58	4.267167	0.077140	4.222833	0.104945	4.217333	0.056177	4.357000	0.109131
58	presto/tpcds: q59	8.719833	0.175257	8.351667	0.098713	8.442667	0.152917	8.563833	0.027967
59	presto/tpcds: q60	2.745833	0.064558	2.608667	0.087205	2.740167	0.067405	6.899167	7.445651
60	presto/tpcds: q61	2.692667	0.129841	2.604833	0.112770	2.732333	0.155185	2.751000	0.138710

	query	iceberg partitioned parquet baseline mean	iceberg partitioned parquet baseline std.dev	small read threshold 3mb mean	small read threshold 3mb std.dev	small read threshold 4mb mean	small read threshold 4mb std.dev	small read threshold 5mb mean	small read threshold 5mb std.dev
61	presto/tpcds:q62	3.071000	0.082591	3.133333	0.076083	3.090167	0.174859	3.129500	0.203002
62	presto/tpcds:q63	2.129333	0.303690	1.956000	0.133930	2.025167	0.176963	2.101333	0.194848
63	presto/tpcds:q64	51.895333	2.111763	51.020000	2.156608	53.027333	1.996469	51.578500	1.935309
64	presto/tpcds:q65	7.534833	0.256123	7.389500	0.149075	7.447500	0.104468	7.580667	0.228644
65	presto/tpcds:q66	3.163000	0.207417	3.160500	0.114671	3.176833	0.049345	3.468500	0.377708
66	presto/tpcds:q67	53.187500	0.434890	52.672500	0.857644	53.610167	0.459102	54.294333	1.028800
67	presto/tpcds:q68	2.309833	0.091510	2.334000	0.061816	2.240500	0.101703	2.332000	0.220072
68	presto/tpcds:q69	2.664000	0.507616	2.390667	0.042122	2.457667	0.127840	2.520500	0.144756
69	presto/tpcds:q70	7.393000	0.188656	7.444167	0.129876	7.319167	0.274452	7.098667	0.179005
70	presto/tpcds:q71	3.277000	0.121323	3.245000	0.103212	3.348000	0.136802	3.251833	0.109315
71	presto/tpcds:q72	7.176333	0.121546	7.267000	0.117327	7.480667	0.267698	7.452167	0.173606
72	presto/tpcds:q73	1.834500	0.295593	1.675667	0.073685	1.622333	0.054694	1.775500	0.132591
73	presto/tpcds:q74	11.274333	0.187083	11.004333	0.080049	11.196167	0.210859	10.897000	0.152984
74	presto/tpcds:q75	17.007167	0.515415	17.028167	0.383267	17.357333	0.262771	18.105667	0.223816
75	presto/tpcds:q76	8.216667	0.201090	7.932333	0.135135	8.429500	0.230299	8.621000	0.142467
76	presto/tpcds:q77	3.419500	0.155436	3.210667	0.079445	3.346833	0.143440	3.704167	0.898293
77	presto/tpcds:q78	23.484500	0.381278	23.105000	0.362069	23.718500	0.463623	24.400833	0.347605
78	presto/tpcds:q79	2.558833	0.113343	2.579167	0.103837	3.301333	1.568044	2.559667	0.066578
79	presto/tpcds:q80	7.926500	0.258114	8.161000	0.160906	8.048500	0.112271	8.431667	0.250280
80	presto/tpcds:q81	2.425500	0.109918	2.581000	0.146267	2.473500	0.063793	2.474167	0.058656
81	presto/tpcds:q82	4.312167	0.185863	4.341667	0.121456	4.377500	0.055813	4.524167	0.150906
82	presto/tpcds:q83	1.964833	0.223681	2.031333	0.108064	2.114833	0.340361	1.999167	0.237597
83	presto/tpcds:q84	2.722167	0.165647	2.692667	0.314630	2.459000	0.071889	2.643000	0.157518
84	presto/tpcds:q85	7.612167	0.241907	7.694333	0.265825	7.736500	0.288835	7.546833	0.167173
85	presto/tpcds:q86	2.348833	0.063051	2.244333	0.084476	2.197167	0.061940	2.352000	0.114537

	query	iceberg partitioned parquet baseline mean	iceberg partitioned parquet baseline std.dev	small read threshold 3mb mean	small read threshold 3mb std.dev	small read threshold 4mb mean	small read threshold 4mb std.dev	small read threshold 5mb mean	small read threshold 5mb std.dev
86	presto/tpcds: q87	7.293833	0.067086	7.232500	0.077255	7.422500	0.132095	7.095667	0.075672
87	presto/tpcds: q88	16.184167	0.227618	15.736500	0.152084	15.872500	0.192134	15.868167	0.219230
88	presto/tpcds: q89	2.297333	0.263527	3.096833	1.487113	2.304333	0.196645	2.383167	0.146830
89	presto/tpcds: q90	2.917833	0.090021	2.839333	0.073143	2.741833	0.071354	2.817500	0.060335
90	presto/tpcds: q91	2.289167	0.153117	2.152667	0.067093	2.181167	0.154568	2.082667	0.080007
91	presto/tpcds: q92	1.288167	0.128604	1.213333	0.200177	1.060500	0.025665	1.122000	0.041627
92	presto/tpcds: q93	21.092333	0.954158	20.833167	0.386780	20.893500	0.866568	21.328000	0.622329
93	presto/tpcds: q94	2.891000	0.168894	2.973667	0.167399	2.916667	0.171098	2.970667	0.161195
94	presto/tpcds: q95	10.154167	0.418686	10.396667	0.330892	10.416333	0.309305	10.602667	0.397094
95	presto/tpcds: q96	3.614833	0.264693	3.627500	0.228707	3.733667	0.200474	3.616667	0.124368
96	presto/tpcds: q97	12.637833	0.109416	12.582333	0.060948	12.647000	0.297307	12.817167	0.086952
97	presto/tpcds: q98	2.578333	0.206798	2.423333	0.052263	2.344333	0.037819	2.379333	0.043798
98	presto/tpcds: q99	5.177667	0.370975	4.815833	0.059358	4.897833	0.097335	4.838167	0.188132

## TPC-H Comparison (CPU)



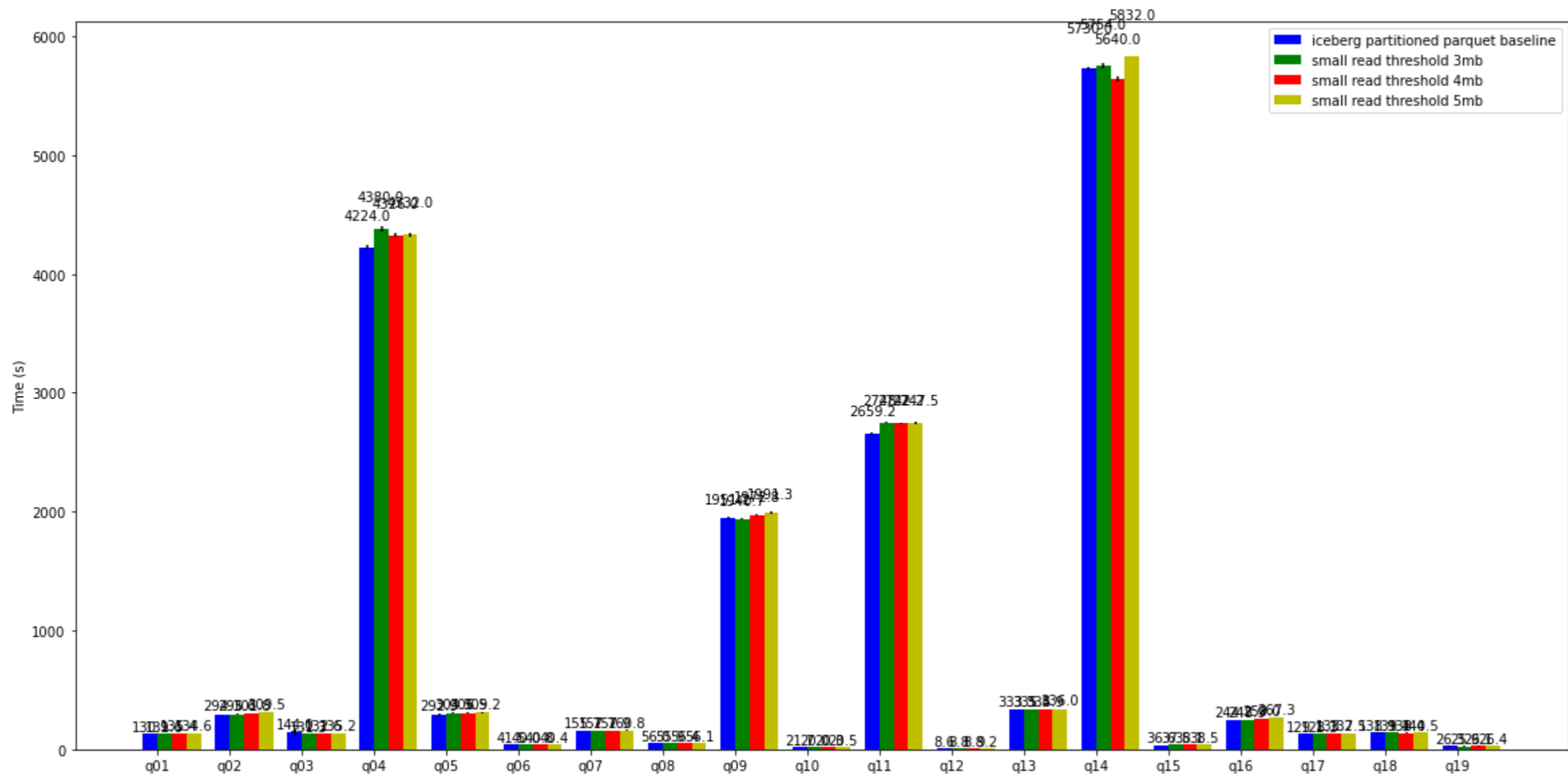


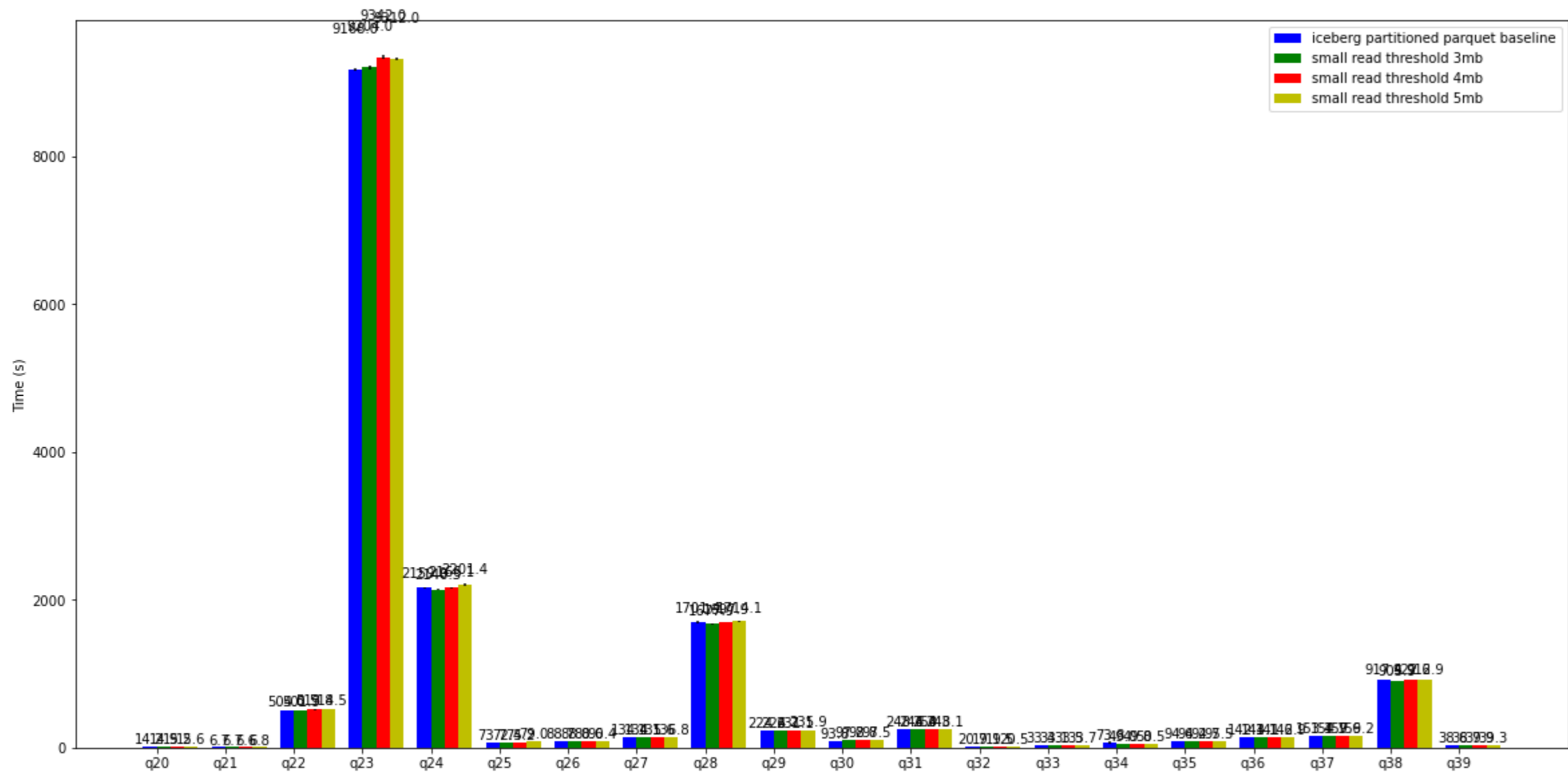
query	iceberg partitioned parquet baseline mean	iceberg partitioned parquet baseline std.dev	small read threshold 3mb mean	small read threshold 3mb std.dev	small read threshold 4mb mean	small read threshold 4mb std.dev	small read threshold 5mb mean	small read threshold 5mb std.dev
0 presto/tpch: q01	1242.9	1.728583	1289.6	2.979933	1234.9	2.925064	1273.8	1.073313
1 presto/tpch: q02	441.0	1.073313	421.4	1.725109	395.9	2.352020	397.1	1.033441
2 presto/tpch: q03	1257.6	1.517893	1232.8	2.168871	1187.7	8.559206	1187.0	1.884675
3 presto/tpch: q04	2008.7	5.412208	1877.4	6.023952	1749.2	6.424951	1757.2	7.875024
4 presto/tpch: q05	3501.2	11.388415	3308.3	14.566125	3120.7	7.872738	3164.4	9.763606
5 presto/tpch: q06	85.9	0.244949	86.6	0.309839	84.6	0.000000	85.8	0.000000
6 presto/tpch: q07	1163.2	2.619924	1122.0	2.709982	1070.4	1.200000	1074.1	2.321207
7 presto/tpch: q08	2110.5	6.838421	2050.9	9.942032	2000.2	9.284826	2000.8	10.930325
8 presto/tpch: q09	4392.0	32.199379	4290.0	14.696938	4146.0	14.696938	4116.0	18.590320
9 presto/tpch: q10	1329.5	2.557342	1295.4	3.737379	1253.3	1.389964	1253.5	3.648013
10 presto/tpch: q11	342.4	1.050714	328.5	1.407125	309.9	1.122497	313.2	1.779888

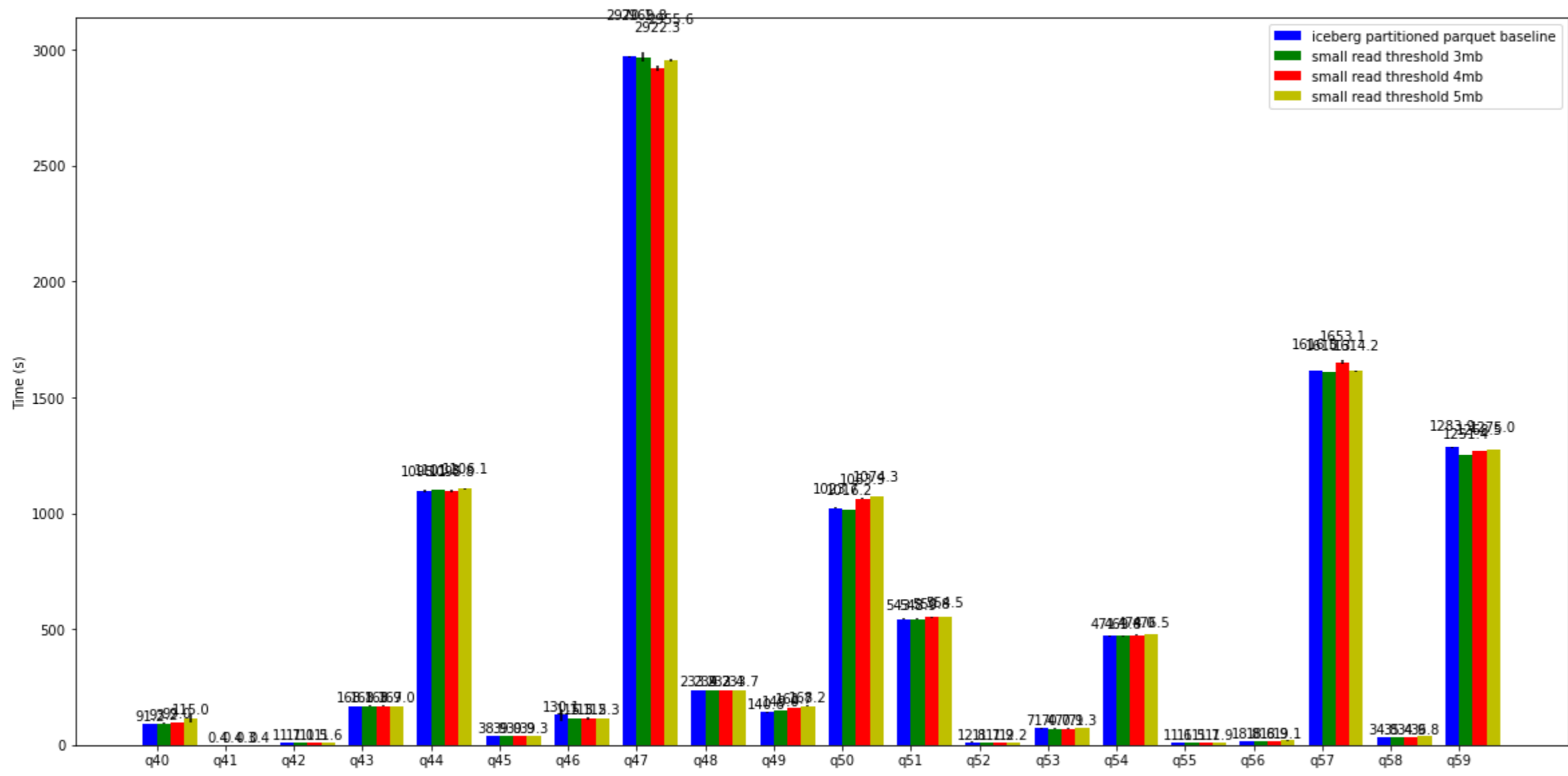
	query	iceberg partitioned parquet baseline mean	iceberg partitioned parquet baseline std.dev	small read threshold 3mb mean	small read threshold 3mb std.dev	small read threshold 4mb mean	small read threshold 4mb std.dev	small read threshold 5mb mean	small read threshold 5mb std.dev
11	presto/tpch: q12	602.0	2.328948	586.9	1.224745	563.2	1.549193	565.2	1.934942
12	presto/tpch: q13	2182.8	6.583616	2112.5	3.764572	2009.7	4.355686	2012.1	5.157907
13	presto/tpch: q14	139.2	0.379473	134.6	0.489898	128.4	0.536656	128.6	0.309839
14	presto/tpch: q15	287.5	1.164474	270.9	0.985901	253.4	0.819756	254.1	1.728583
15	presto/tpch: q16	555.1	0.701427	535.1	2.092845	510.5	2.557342	499.3	0.883176
16	presto/tpch: q17	5052.0	18.590320	4818.0	14.696938	4464.0	0.000000	4422.0	14.696938
17	presto/tpch: q18	5244.0	29.393877	5004.0	45.536798	4668.0	18.590320	4722.0	14.696938
18	presto/tpch: q19	1425.3	13.214991	1421.4	9.494419	1398.4	8.100370	1397.9	9.558033
19	presto/tpch: q20	1152.3	5.376616	1114.6	4.854688	1048.1	5.785153	1053.1	2.721029
20	presto/tpch: q21	8112.0	18.590320	7776.0	0.000000	7392.0	18.590320	7374.0	27.099815
21	presto/tpch: q22	523.3	1.164474	502.4	1.117139	475.6	0.489898	480.7	1.033441

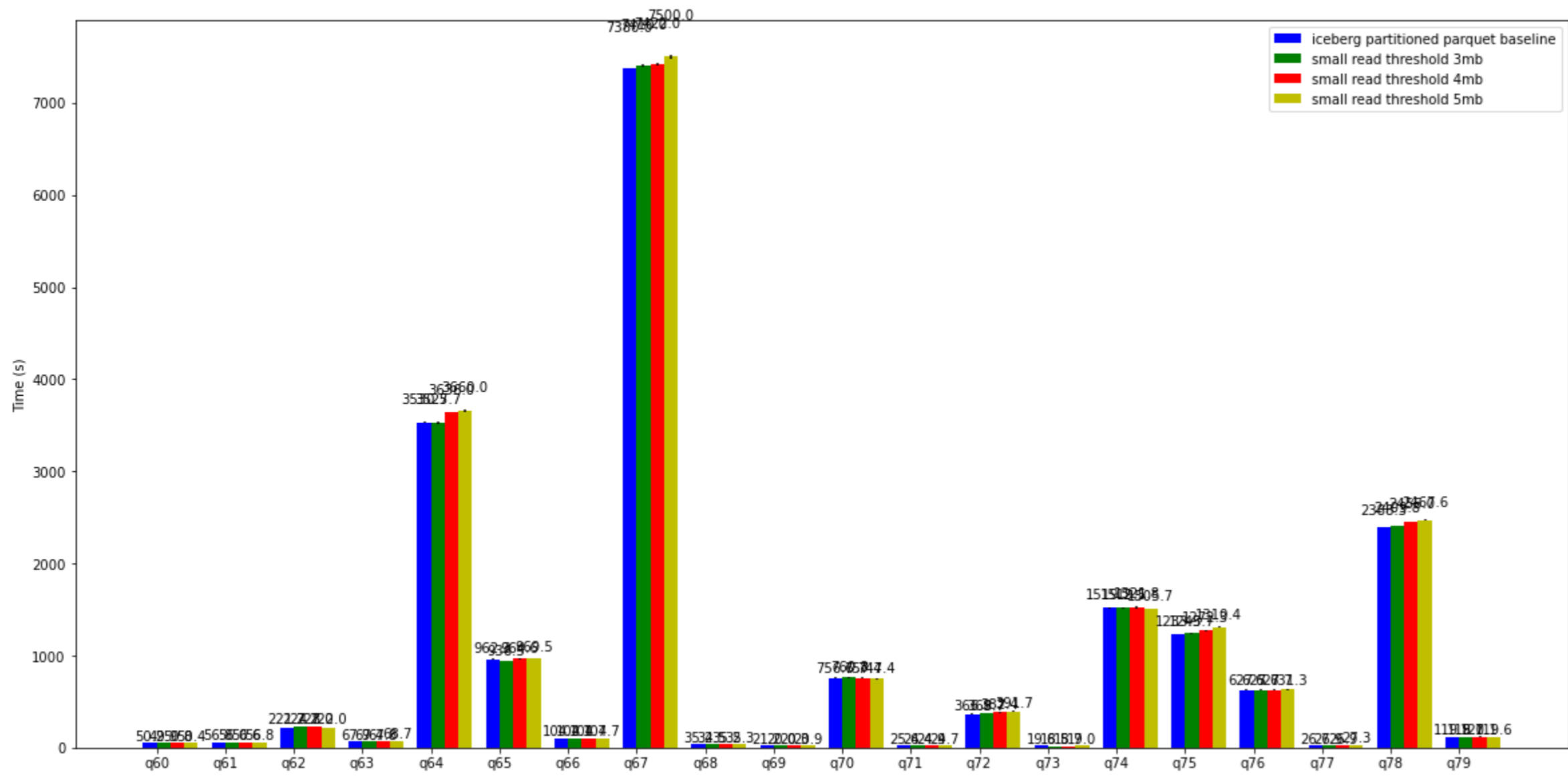
## TPC-DS Comparison (CPU)

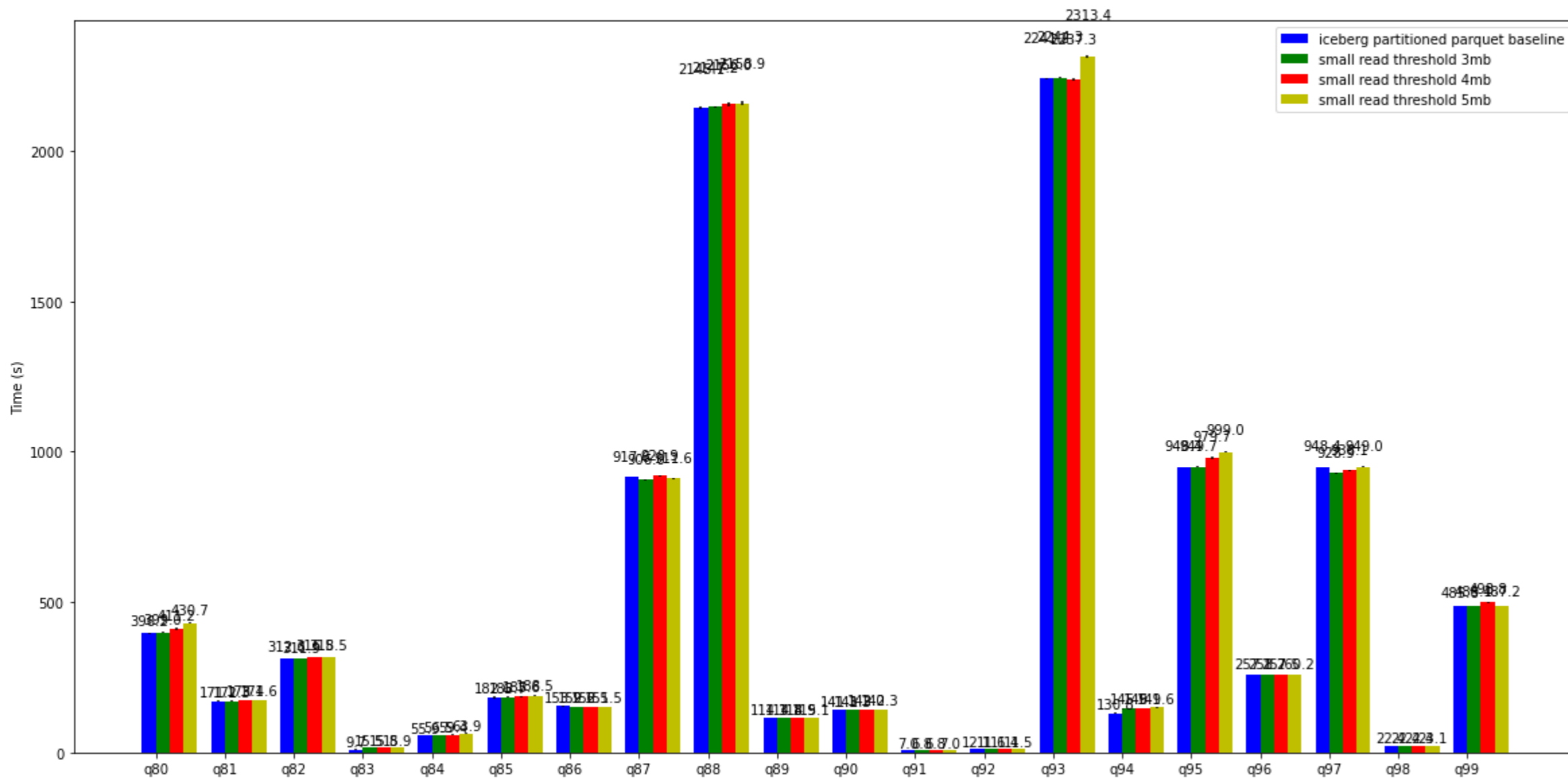












query	iceberg partitioned parquet baseline mean	iceberg partitioned parquet baseline std.dev	small read threshold 3mb mean	small read threshold 3mb std.dev	small read threshold 4mb mean	small read threshold 4mb std.dev	small read threshold 5mb mean	small read threshold 5mb std.dev
0 presto/tpcds: q01	130.900000	1.628496	131.600000	1.117139	135.400000	1.766352	134.600000	2.031748
1 presto/tpcds: q02	294.100000	0.797496	295.600000	1.594992	301.800000	0.379473	309.500000	0.701427
2 presto/tpcds: q03	144.000000	29.688786	131.300000	0.451664	132.600000	0.000000	135.200000	0.489898
3 presto/tpcds: q04	4224.000000	18.590320	4380.000000	18.590320	4326.000000	14.696938	4332.000000	18.590320
4 presto/tpcds: q05	292.900000	10.471103	304.500000	5.776850	306.500000	3.667697	309.200000	6.161818
5 presto/tpcds: q06	41.481667	0.671190	39.990000	0.768089	40.753333	0.556225	40.433333	0.449340
6 presto/tpcds: q07	155.700000	0.328634	157.700000	0.883176	157.900000	0.451664	160.800000	1.073313
7 presto/tpcds: q08	56.035000	1.250580	55.916667	0.199466	56.355000	0.556911	56.128333	0.200840
8 presto/tpcds: q09	1951.100000	11.790674	1940.700000	8.118867	1972.800000	4.976746	1991.300000	6.331824
9 presto/tpcds: q10	21.716667	0.470645	20.016667	0.135561	20.293333	0.135597	20.523333	0.076594
10 presto/tpcds: q11	2659.200000	8.931741	2748.200000	7.065409	2742.200000	1.995996	2747.500000	6.771410

	query	iceberg partitioned parquet baseline mean	iceberg partitioned parquet baseline std.dev	small read threshold 3mb mean	small read threshold 3mb std.dev	small read threshold 4mb mean	small read threshold 4mb std.dev	small read threshold 5mb mean	small read threshold 5mb std.dev
11	presto/tpcds:q12	8.576667	0.050067	8.815000	0.026646	8.800000	0.073485	9.241667	0.029269
12	presto/tpcds:q13	333.500000	0.451664	335.500000	0.451664	334.900000	0.451664	336.000000	0.657267
13	presto/tpcds:q14	5730.000000	14.696938	5754.000000	27.099815	5640.000000	18.590320	5832.000000	0.000000
14	presto/tpcds:q15	36.633333	0.239722	37.490000	0.121326	38.125000	0.253988	38.475000	0.259056
15	presto/tpcds:q16	244.700000	1.337161	248.900000	0.961249	259.000000	0.819756	267.300000	0.909945
16	presto/tpcds:q17	129.100000	0.701427	128.300000	0.701427	133.200000	0.000000	137.500000	0.244949
17	presto/tpcds:q18	138.900000	0.501996	139.400000	0.309839	138.400000	0.309839	140.500000	0.244949
18	presto/tpcds:q19	26.295000	0.562877	25.900000	0.275826	26.131667	0.482552	26.433333	0.250732
19	presto/tpcds:q20	14.241667	0.052694	14.895000	0.052058	15.191667	0.047504	15.588333	0.073326
20	presto/tpcds:q21	6.663333	0.139809	6.696667	0.078655	6.593333	0.137937	6.761667	0.095586
21	presto/tpcds:q22	504.000000	1.003992	501.900000	0.909945	513.800000	1.959592	514.500000	1.553061
22	presto/tpcds:q23	9168.000000	18.590320	9204.000000	29.393877	9342.000000	30.119761	9312.000000	18.590320
23	presto/tpcds:q24	2159.900000	10.954999	2140.300000	9.542956	2166.100000	7.224126	2201.400000	15.567659
24	presto/tpcds:q25	73.700000	1.033441	72.400000	0.309839	75.200000	0.309839	79.000000	0.309839
25	presto/tpcds:q26	88.700000	0.244949	88.000000	0.309839	88.600000	0.309839	90.400000	0.489898
26	presto/tpcds:q27	134.400000	0.379473	134.100000	0.629285	135.600000	0.000000	136.800000	0.000000
27	presto/tpcds:q28	1701.400000	13.219985	1677.900000	7.568091	1697.900000	6.158896	1714.100000	7.133863
28	presto/tpcds:q29	224.600000	0.979796	224.700000	0.501996	231.100000	0.451664	235.900000	0.589915
29	presto/tpcds:q30	93.800000	2.066882	97.200000	1.003992	98.800000	2.779928	97.500000	0.501996
30	presto/tpcds:q31	248.400000	0.758947	246.400000	0.489898	250.300000	1.489966	248.100000	0.328634
31	presto/tpcds:q32	20.730000	0.478665	19.051667	0.039200	19.515000	0.983458	20.500000	1.586644
32	presto/tpcds:q33	33.365000	0.111131	33.120000	0.087178	33.495000	0.087121	33.733333	0.088015
33	presto/tpcds:q34	73.836667	18.796725	49.035000	0.384643	49.843333	1.107929	50.476667	1.153996
34	presto/tpcds:q35	94.600000	0.619677	94.200000	0.000000	94.700000	0.244949	95.500000	0.244949
35	presto/tpcds:q36	142.300000	0.797496	144.100000	1.537530	141.600000	1.517893	142.900000	2.471437

	query	iceberg partitioned parquet baseline mean	iceberg partitioned parquet baseline std.dev	small read threshold 3mb mean	small read threshold 3mb std.dev	small read threshold 4mb mean	small read threshold 4mb std.dev	small read threshold 5mb mean	small read threshold 5mb std.dev
36	presto/tpcds:q37	153.400000	0.309839	154.900000	0.244949	157.600000	0.489898	159.200000	0.309839
37	presto/tpcds:q38	917.400000	2.762607	905.900000	4.560263	922.600000	2.297825	912.900000	1.505988
38	presto/tpcds:q39	38.558333	0.312757	38.685000	0.260519	39.935000	0.238139	39.306667	0.304872
39	presto/tpcds:q40	91.200000	1.200000	93.200000	1.296148	99.000000	0.657267	115.000000	15.994999
40	presto/tpcds:q41	0.357500	0.014802	0.353000	0.010315	0.345000	0.003464	0.362833	0.015715
41	presto/tpcds:q42	11.723333	0.546797	11.003333	0.119108	11.480000	0.905119	11.566667	0.578435
42	presto/tpcds:q43	168.100000	0.961249	168.300000	0.985901	168.900000	0.501996	167.000000	0.309839
43	presto/tpcds:q44	1095.100000	5.011587	1101.300000	1.505988	1095.800000	3.593327	1106.100000	1.962651
44	presto/tpcds:q45	38.931667	1.634300	38.955000	0.237971	39.903333	1.629965	39.285000	0.495247
45	presto/tpcds:q46	130.100000	26.173804	115.300000	1.337161	115.200000	4.122135	115.300000	0.883176
46	presto/tpcds:q47	2970.100000	2.721029	2969.800000	19.727747	2922.300000	10.897890	2955.600000	5.147427
47	presto/tpcds:q48	233.900000	0.589915	234.200000	0.619677	233.400000	0.657267	233.700000	0.328634
48	presto/tpcds:q49	140.600000	0.619677	149.000000	1.050714	161.700000	1.056409	168.200000	1.117139
49	presto/tpcds:q50	1023.700000	0.883176	1016.200000	0.979796	1063.900000	1.756132	1074.300000	1.244186
50	presto/tpcds:q51	543.800000	1.296148	543.900000	0.827043	550.800000	1.564609	554.500000	1.164474
51	presto/tpcds:q52	12.848333	1.626695	11.695000	0.064109	11.948333	0.066758	12.225000	0.103296
52	presto/tpcds:q53	71.400000	0.657267	70.700000	0.451664	70.900000	0.244949	71.300000	0.244949
53	presto/tpcds:q54	471.100000	2.773446	469.800000	1.073313	474.000000	1.368211	476.500000	1.033441
54	presto/tpcds:q55	11.640000	0.356090	11.495000	0.054314	11.650000	0.063875	11.913333	0.056095
55	presto/tpcds:q56	18.813333	0.070048	18.616667	0.034448	18.883333	0.118940	19.060000	0.026833
56	presto/tpcds:q57	1616.500000	2.022869	1610.300000	2.226208	1653.100000	10.981257	1614.200000	1.806654
57	presto/tpcds:q58	34.813333	0.117927	35.383333	0.115007	34.923333	0.655703	36.793333	0.260205
58	presto/tpcds:q59	1283.900000	1.282186	1251.400000	0.619677	1268.500000	1.282186	1275.000000	1.419859
59	presto/tpcds:q60	50.208333	0.104195	49.895000	0.086429	50.751667	0.101078	50.445000	0.435327
60	presto/tpcds:q61	56.788333	0.803428	55.970000	0.391101	56.601667	0.330419	56.805000	0.163064

	query	iceberg partitioned parquet baseline mean	iceberg partitioned parquet baseline std.dev	small read threshold 3mb mean	small read threshold 3mb std.dev	small read threshold 4mb mean	small read threshold 4mb std.dev	small read threshold 5mb mean	small read threshold 5mb std.dev
61	presto/tpcds: q62	221.700000	0.328634	224.700000	0.328634	228.000000	0.000000	222.000000	0.000000
62	presto/tpcds: q63	67.900000	0.244949	67.400000	0.309839	67.800000	0.000000	68.700000	0.328634
63	presto/tpcds: q64	3530.500000	11.618434	3527.700000	15.977359	3636.000000	0.000000	3660.000000	18.590320
64	presto/tpcds: q65	962.300000	2.557342	936.500000	1.836301	964.600000	2.168871	969.500000	3.588314
65	presto/tpcds: q66	104.200000	0.489898	104.100000	0.328634	104.700000	0.501996	104.700000	1.056409
66	presto/tpcds: q67	7380.000000	0.000000	7410.000000	14.696938	7422.000000	14.696938	7500.000000	18.590320
67	presto/tpcds: q68	35.196667	0.608791	34.513333	0.168602	35.226667	0.103280	35.290000	0.226451
68	presto/tpcds: q69	21.165000	0.070071	20.000000	0.114717	20.303333	0.127541	20.858333	1.101988
69	presto/tpcds: q70	756.600000	4.343271	760.800000	1.517893	757.400000	6.357358	747.400000	3.532704
70	presto/tpcds: q71	25.621667	0.303606	24.371667	0.067946	24.886667	0.805026	24.725000	0.623787
71	presto/tpcds: q72	366.900000	1.598750	368.700000	0.985901	382.400000	0.903327	391.700000	8.698276
72	presto/tpcds: q73	19.598333	0.287153	18.501667	0.047924	18.721667	0.054191	19.006667	0.051251
73	presto/tpcds: q74	1519.200000	6.130579	1519.500000	5.482700	1521.800000	9.392763	1505.700000	1.244186
74	presto/tpcds: q75	1233.500000	3.507136	1243.700000	5.797586	1272.300000	7.127131	1310.400000	5.754998
75	presto/tpcds: q76	627.500000	1.489966	627.700000	1.489966	627.700000	7.372110	631.300000	2.613044
76	presto/tpcds: q77	26.690000	0.090774	26.915000	0.130346	26.913333	0.097091	27.296667	0.057850
77	presto/tpcds: q78	2388.300000	1.962651	2409.800000	3.167333	2455.000000	2.831254	2467.600000	6.709993
78	presto/tpcds: q79	119.900000	0.589915	118.700000	1.033441	120.100000	0.883176	119.600000	0.309839
79	presto/tpcds: q80	396.200000	1.453272	399.000000	1.003992	411.200000	4.516636	430.700000	1.389964
80	presto/tpcds: q81	171.200000	1.453272	171.300000	1.184905	173.100000	0.328634	174.600000	0.379473
81	presto/tpcds: q82	312.600000	0.657267	311.900000	0.589915	316.500000	0.328634	318.500000	0.451664
82	presto/tpcds: q83	9.693333	1.692958	15.521667	0.158167	15.836667	0.130486	15.898333	0.198436
83	presto/tpcds: q84	55.896667	0.337263	56.500000	0.512328	59.410000	0.555446	63.900000	0.501996
84	presto/tpcds: q85	182.600000	2.619924	183.700000	1.756132	185.600000	1.922498	188.500000	1.164474
85	presto/tpcds: q86	153.900000	1.244186	152.600000	0.489898	152.500000	0.589915	151.500000	0.501996

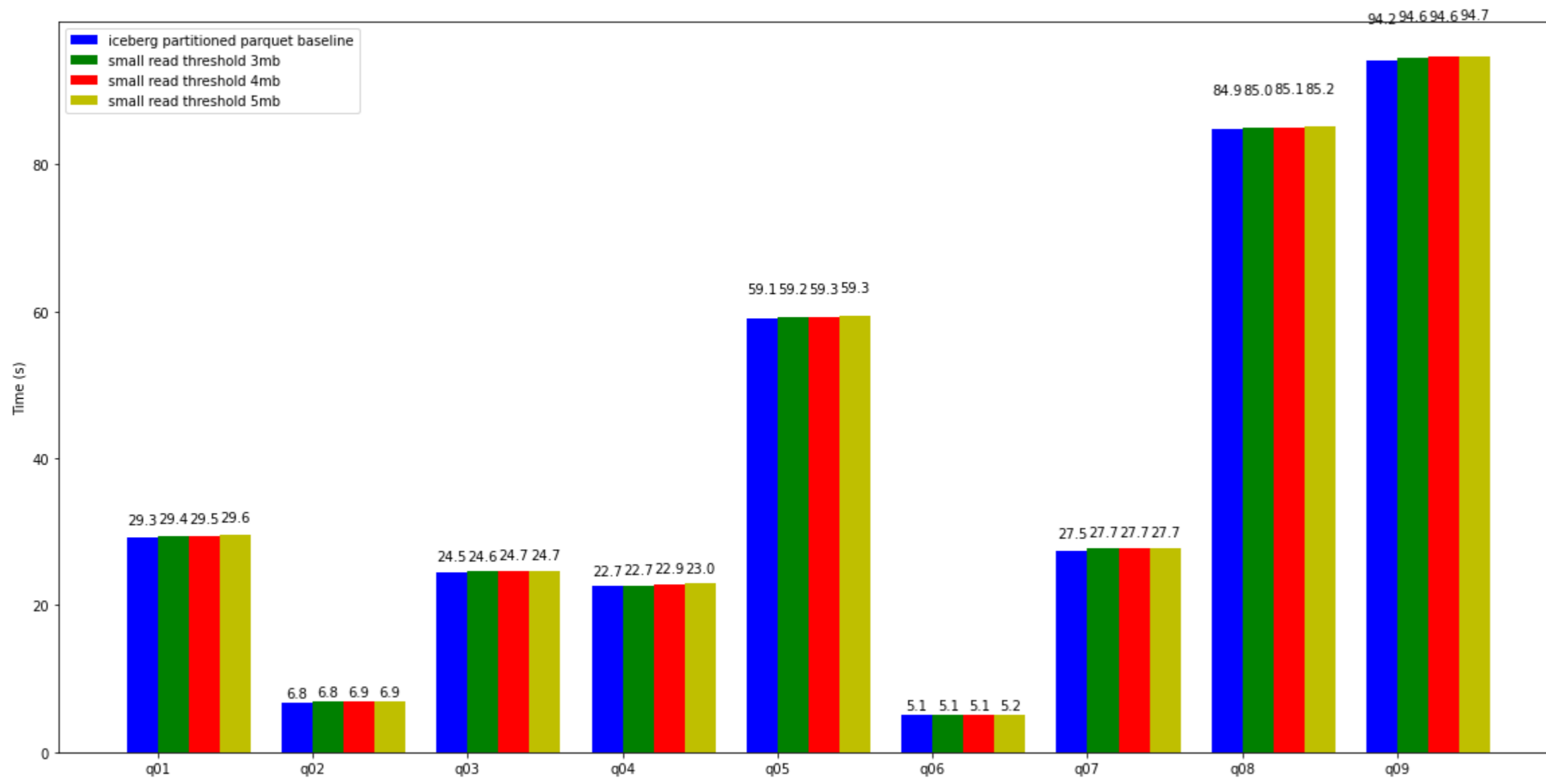


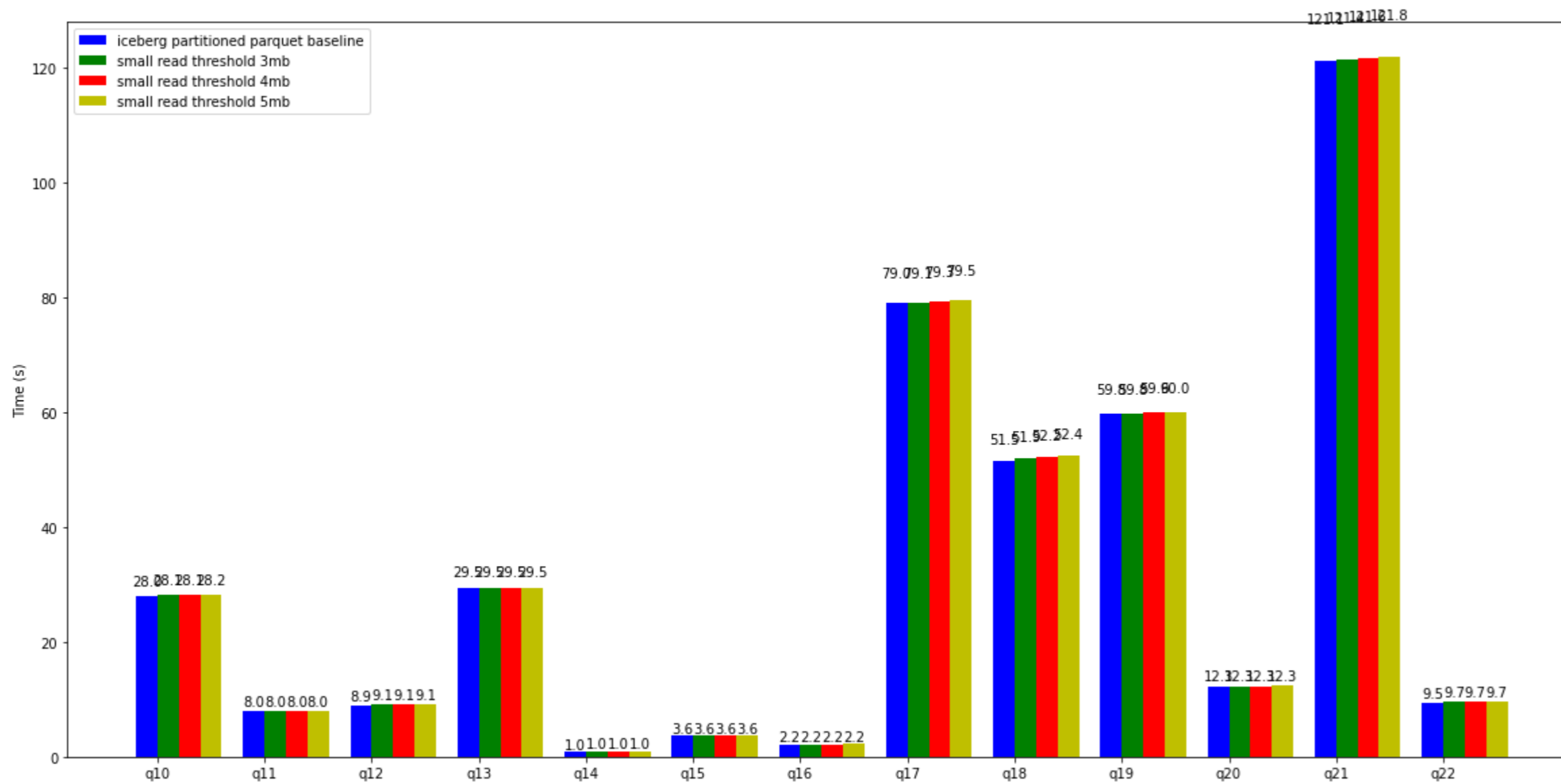
	query	iceberg partitioned parquet baseline mean	iceberg partitioned parquet baseline std.dev	small read threshold 3mb mean	small read threshold 3mb std.dev	small read threshold 4mb mean	small read threshold 4mb std.dev	small read threshold 5mb mean	small read threshold 5mb std.dev
86	presto/tpcds: q87	917.600000	1.117139	906.000000	0.536656	920.900000	1.986957	911.600000	1.846077
87	presto/tpcds: q88	2145.100000	5.358731	2147.200000	2.031748	2156.000000	6.055741	2158.900000	6.040861
88	presto/tpcds: q89	114.300000	0.328634	114.800000	0.489898	114.900000	0.985901	115.100000	1.282186
89	presto/tpcds: q90	141.300000	0.328634	141.300000	0.328634	142.000000	0.309839	142.300000	0.244949
90	presto/tpcds: q91	7.021667	0.433839	6.753333	0.255082	6.828333	0.054924	7.036667	0.236446
91	presto/tpcds: q92	12.088333	0.388969	11.590000	0.972091	11.366667	0.847081	11.495000	0.865165
92	presto/tpcds: q93	2241.200000	2.328948	2244.300000	0.985901	2237.300000	3.317228	2313.400000	4.734554
93	presto/tpcds: q94	130.800000	0.758947	145.900000	0.244949	146.100000	0.328634	149.600000	0.819756
94	presto/tpcds: q95	948.400000	0.903327	949.700000	2.160555	979.700000	2.850263	999.000000	1.819890
95	presto/tpcds: q96	257.100000	0.328634	258.700000	0.451664	257.500000	0.244949	260.200000	0.489898
96	presto/tpcds: q97	948.400000	1.806654	928.900000	2.126970	938.100000	1.999000	949.000000	2.619924
97	presto/tpcds: q98	22.400000	0.422327	22.441667	0.170812	22.415000	0.136785	23.066667	0.128789
98	presto/tpcds: q99	485.600000	0.489898	489.100000	0.244949	498.800000	0.619677	487.200000	0.379473

## TPC-H Comparison (Peak memory)

## TPC-DS Comparison (Peak memory)

## TPC-H Comparison (physicalInputDataSize)

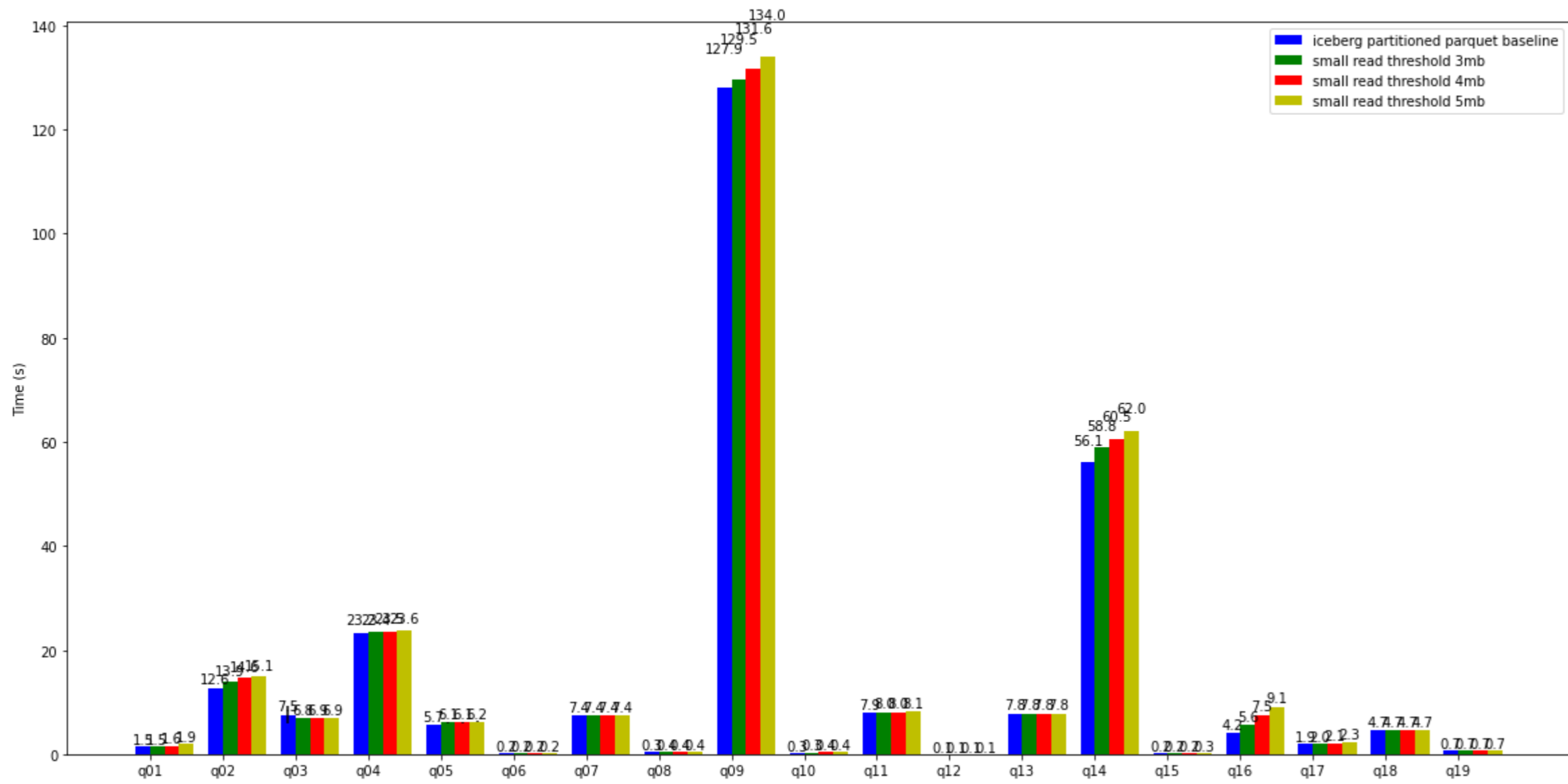


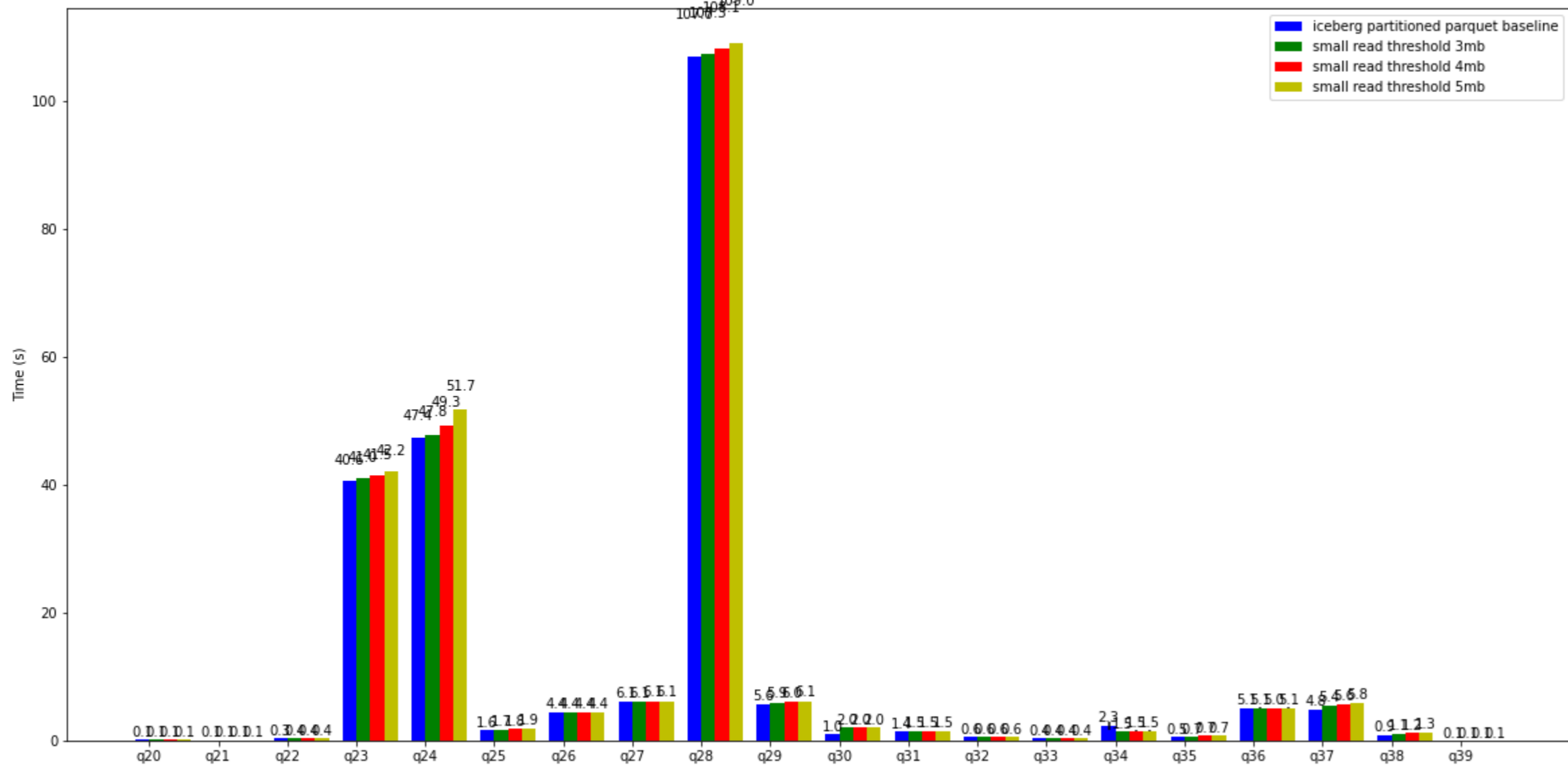


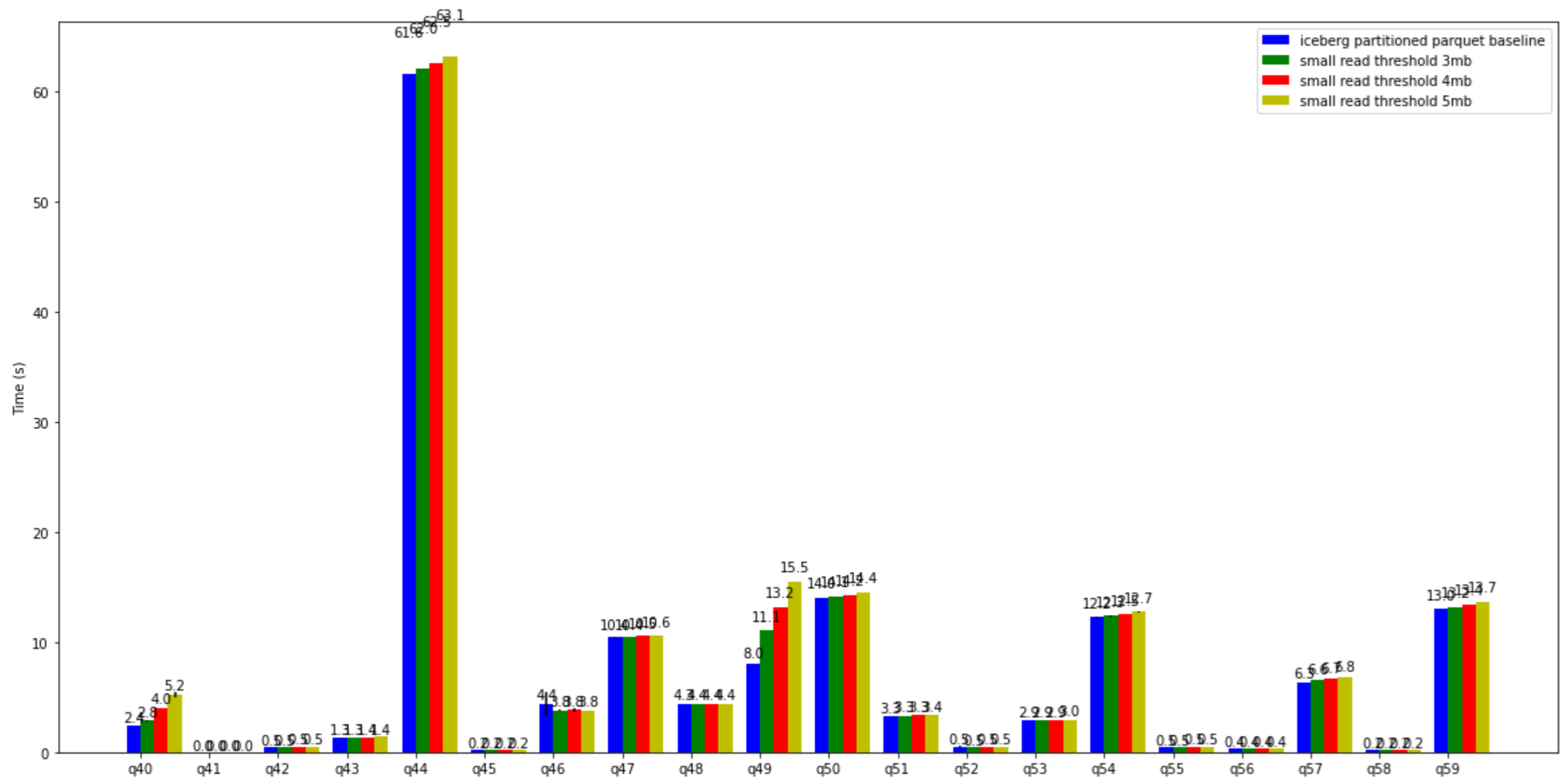
query	iceberg partitioned parquet baseline mean	iceberg partitioned parquet baseline std.dev	small read threshold 3mb mean	small read threshold 3mb std.dev	small read threshold 4mb mean	small read threshold 4mb std.dev	small read threshold 5mb mean	small read threshold 5mb std.dev
0	presto/tpch: q01	29.281 GiB	0	29.372 GiB	0	29.495 GiB	0	29.593 GiB
1	presto/tpch: q02	6.822 GiB	0	6.850 GiB	0	6.853 GiB	0	6.863 GiB
2	presto/tpch: q03	24.495 GiB	0	24.586 GiB	0	24.657 GiB	0	24.713 GiB
3	presto/tpch: q04	22.661 GiB	0	22.738 GiB	0	22.885 GiB	0	22.999 GiB
4	presto/tpch: q05	59.124 GiB	0	59.198 GiB	0	59.271 GiB	0	59.328 GiB
5	presto/tpch: q06	5.129 GiB	0	5.138 GiB	0	5.144 GiB	0	5.155 GiB
6	presto/tpch: q07	27.456 GiB	0	27.690 GiB	0	27.705 GiB	0	27.716 GiB
7	presto/tpch: q08	84.906 GiB	0	85.039 GiB	0	85.115 GiB	0	85.183 GiB
8	presto/tpch: q09	94.243 GiB	327.625 KiB	94.572 GiB	859.140 KiB	94.645 GiB	0	94.709 GiB
9	presto/tpch: q10	28.048 GiB	0	28.083 GiB	0	28.149 GiB	0	28.196 GiB
10	presto/tpch: q11	7.985 GiB	0	8.005 GiB	0	8.005 GiB	0	8.005 GiB

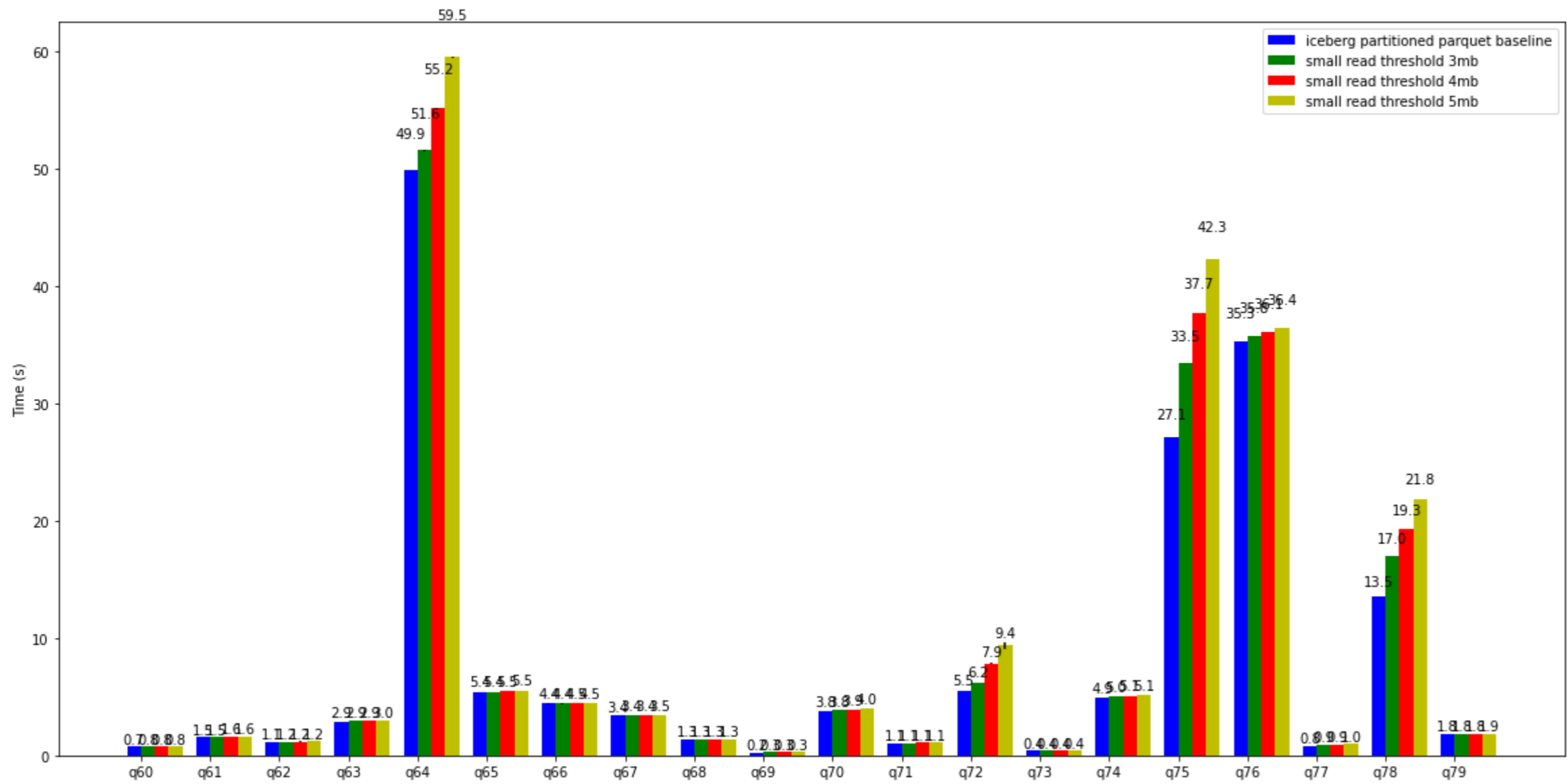
	query	iceberg partitioned parquet baseline mean	iceberg partitioned parquet baseline std.dev	small read threshold 3mb mean	small read threshold 3mb std.dev	small read threshold 4mb mean	small read threshold 4mb std.dev	small read threshold 5mb mean	small read threshold 5mb std.dev
11	presto/tpch: q12	8.932 GiB	0	9.109 GiB	0	9.117 GiB	0	9.128 GiB	0
12	presto/tpch: q13	29.456 GiB	0	29.455 GiB	0	29.455 GiB	0	29.455 GiB	0
13	presto/tpch: q14	0.961 GiB	0	0.970 GiB	0	0.974 GiB	0	0.985 GiB	0
14	presto/tpch: q15	3.613 GiB	0	3.624 GiB	0	3.633 GiB	0	3.639 GiB	0
15	presto/tpch: q16	2.161 GiB	0	2.181 GiB	0	2.184 GiB	0	2.194 GiB	0
16	presto/tpch: q17	78.950 GiB	0	79.108 GiB	0	79.318 GiB	0	79.490 GiB	0
17	presto/tpch: q18	51.539 GiB	0	51.864 GiB	0	52.162 GiB	0	52.400 GiB	0
18	presto/tpch: q19	59.774 GiB	0	59.831 GiB	0	59.902 GiB	0	59.965 GiB	0
19	presto/tpch: q20	12.267 GiB	0	12.292 GiB	0	12.298 GiB	0	12.314 GiB	0
20	presto/tpch: q21	121.124 GiB	0	121.391 GiB	0	121.615 GiB	0	121.820 GiB	0
21	presto/tpch: q22	9.451 GiB	0	9.699 GiB	0	9.699 GiB	0	9.699 GiB	0

## TPC-DS Comparison (physicalInputDataSize)

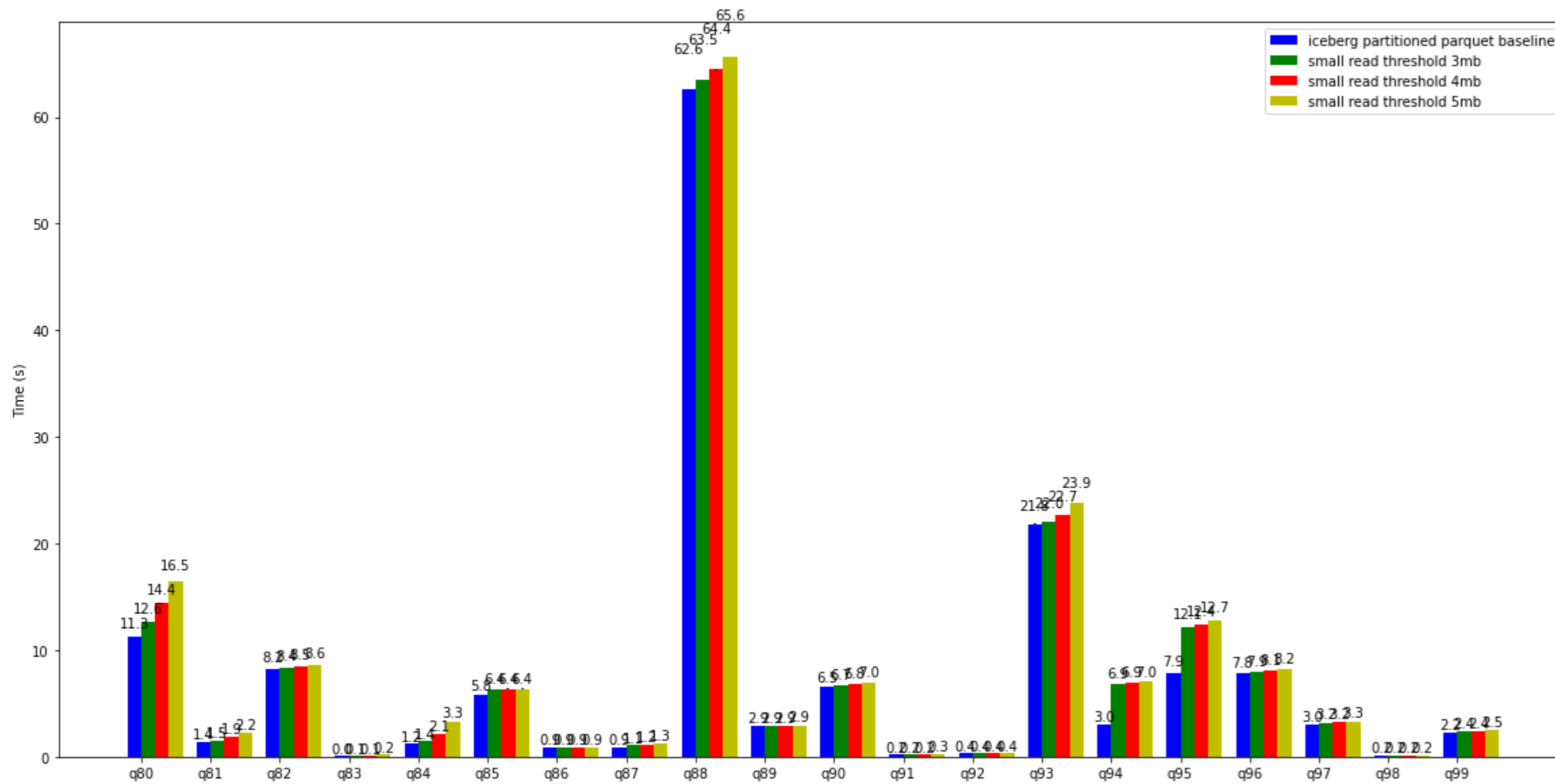












query	iceberg partitioned parquet baseline mean	iceberg partitioned parquet baseline std.dev	small read threshold 3mb mean	small read threshold 3mb std.dev	small read threshold 4mb mean	small read threshold 4mb std.dev	small read threshold 5mb mean	small read threshold 5mb std.dev
0 presto/tpcds: q01	1.538 GiB	0	1.541 GiB	0	1.615 GiB	0	1.949 GiB	0
1 presto/tpcds: q02	12.599 GiB	0	13.947 GiB	0	14.625 GiB	0	15.072 GiB	0
2 presto/tpcds: q03	7.476 GiB	1.664 GiB	6.814 GiB	0	6.873 GiB	0	6.927 GiB	0
3 presto/tpcds: q04	23.241 GiB	0	23.388 GiB	0	23.535 GiB	0	23.628 GiB	0
4 presto/tpcds: q05	5.660 GiB	79.678 MiB	6.054 GiB	64.152 MiB	6.078 GiB	63.922 MiB	6.227 GiB	155.294 MiB
5 presto/tpcds: q06	172.902 MiB	0	176.372 MiB	0	176.372 MiB	0	176.372 MiB	0
6 presto/tpcds: q07	7.372 GiB	0	7.377 GiB	0	7.386 GiB	0	7.414 GiB	0
7 presto/tpcds: q08	353.584 MiB	168.477 KiB	361.021 MiB	270.279 KiB	369.734 MiB	145.677 KiB	374.261 MiB	182.520 KiB
8 presto/tpcds: q09	127.944 GiB	0	129.481 GiB	0	131.557 GiB	0	133.969 GiB	0
9 presto/tpcds: q10	280.043 MiB	0	335.252 MiB	0	361.991 MiB	0	374.982 MiB	0
10 presto/tpcds: q11	7.943 GiB	0	7.987 GiB	0	8.037 GiB	0	8.100 GiB	0

	query	iceberg partitioned parquet baseline mean	iceberg partitioned parquet baseline std.dev	small read threshold 3mb mean	small read threshold 3mb std.dev	small read threshold 4mb mean	small read threshold 4mb std.dev	small read threshold 5mb mean	small read threshold 5mb std.dev
11	presto/tpcds: q12	56.639 MiB	0	57.177 MiB	0	60.518 MiB	0	60.518 MiB	0
12	presto/tpcds: q13	7.770 GiB	0	7.771 GiB	0	7.779 GiB	0	7.793 GiB	0
13	presto/tpcds: q14	56.061 GiB	0	58.835 GiB	0	60.502 GiB	0	62.010 GiB	0
14	presto/tpcds: q15	217.876 MiB	0	241.463 MiB	0	254.957 MiB	0	259.410 MiB	0
15	presto/tpcds: q16	4.215 GiB	0	5.564 GiB	0	7.522 GiB	7.227 MiB	9.081 GiB	1.962 MiB
16	presto/tpcds: q17	1.949 GiB	0	2.018 GiB	0	2.122 GiB	0	2.294 GiB	0
17	presto/tpcds: q18	4.696 GiB	0	4.696 GiB	0	4.697 GiB	0	4.713 GiB	0
18	presto/tpcds: q19	685.574 MiB	0	682.300 MiB	9.014 MiB	693.374 MiB	0	693.374 MiB	0
19	presto/tpcds: q20	99.622 MiB	0	106.096 MiB	0	113.187 MiB	0	113.187 MiB	0
20	presto/tpcds: q21	63.004 MiB	0	63.542 MiB	0	63.542 MiB	0	63.542 MiB	0
21	presto/tpcds: q22	358.170 MiB	0	358.688 MiB	0	358.688 MiB	0	358.688 MiB	0
22	presto/tpcds: q23	40.635 GiB	0	41.037 GiB	0	41.507 GiB	0	42.160 GiB	0
23	presto/tpcds: q24	47.368 GiB	707.164 KiB	47.819 GiB	712.506 KiB	49.261 GiB	91.169 KiB	51.697 GiB	0
24	presto/tpcds: q25	1.638 GiB	0	1.678 GiB	0	1.765 GiB	0	1.931 GiB	0
25	presto/tpcds: q26	4.353 GiB	0	4.390 GiB	0	4.411 GiB	0	4.430 GiB	0
26	presto/tpcds: q27	6.055 GiB	0	6.058 GiB	0	6.078 GiB	0	6.097 GiB	0
27	presto/tpcds: q28	106.990 GiB	0	107.333 GiB	0	108.112 GiB	0	109.020 GiB	0
28	presto/tpcds: q29	5.633 GiB	0	5.887 GiB	0	6.024 GiB	0	6.122 GiB	0
29	presto/tpcds: q30	0.959 GiB	0	1.961 GiB	0	1.961 GiB	0	1.961 GiB	0
30	presto/tpcds: q31	1.438 GiB	0	1.466 GiB	0	1.473 GiB	0	1.507 GiB	0
31	presto/tpcds: q32	577.124 MiB	28.936 MiB	595.426 MiB	0	620.221 MiB	10.413 MiB	648.178 MiB	33.079 MiB
32	presto/tpcds: q33	377.267 MiB	0	386.298 MiB	0	387.931 MiB	0	391.505 MiB	0
33	presto/tpcds: q34	2.285 GiB	661.735 MiB	1.452 GiB	13.944 MiB	1.501 GiB	45.920 MiB	1.515 GiB	41.822 MiB
34	presto/tpcds: q35	549.476 MiB	0	669.492 MiB	0	720.178 MiB	0	755.760 MiB	0
35	presto/tpcds: q36	5.052 GiB	51.754 MiB	5.059 GiB	91.896 MiB	5.028 GiB	71.313 MiB	5.070 GiB	134.999 MiB

	query	iceberg partitioned parquet baseline mean	iceberg partitioned parquet baseline std.dev	small read threshold 3mb mean	small read threshold 3mb std.dev	small read threshold 4mb mean	small read threshold 4mb std.dev	small read threshold 5mb mean	small read threshold 5mb std.dev
36	presto/tpcds: q37	4.828 GiB	0	5.378 GiB	0	5.648 GiB	0	5.788 GiB	0
37	presto/tpcds: q38	917.858 MiB	0	1.076 GiB	0	1.167 GiB	0	1.274 GiB	0
38	presto/tpcds: q39	58.883 MiB	1.625 KiB	59.782 MiB	1.053 KiB	59.782 MiB	736.152 YiB	59.782 MiB	711.595 YiB
39	presto/tpcds: q40	2.394 GiB	2.445 MiB	2.842 GiB	4.157 MiB	3.986 GiB	4.411 MiB	5.238 GiB	261.966 MiB
40	presto/tpcds: q41	3.760 MiB	0	3.760 MiB	0	3.760 MiB	0	3.760 MiB	0
41	presto/tpcds: q42	507.216 MiB	0	508.887 MiB	0	511.482 MiB	0	524.974 MiB	0
42	presto/tpcds: q43	1.323 GiB	935.665 KiB	1.347 GiB	553.059 KiB	1.360 GiB	458.330 KiB	1.401 GiB	0.983 MiB
43	presto/tpcds: q44	61.589 GiB	0	61.980 GiB	0	62.506 GiB	0	63.107 GiB	0
44	presto/tpcds: q45	217.222 MiB	0	217.670 MiB	0	220.042 MiB	0	228.194 MiB	0
45	presto/tpcds: q46	4.407 GiB	1.098 GiB	3.789 GiB	51.465 MiB	3.826 GiB	152.874 MiB	3.789 GiB	16.064 MiB
46	presto/tpcds: q47	10.400 GiB	2.586 MiB	10.447 GiB	2.775 MiB	10.528 GiB	2.068 MiB	10.607 GiB	1.799 MiB
47	presto/tpcds: q48	4.338 GiB	0	4.353 GiB	0	4.363 GiB	0	4.398 GiB	0
48	presto/tpcds: q49	8.013 GiB	0	11.117 GiB	0	13.190 GiB	0	15.468 GiB	0
49	presto/tpcds: q50	13.991 GiB	0	14.092 GiB	0	14.231 GiB	0	14.445 GiB	0
50	presto/tpcds: q51	3.280 GiB	0	3.314 GiB	0	3.332 GiB	0	3.395 GiB	0
51	presto/tpcds: q52	532.631 MiB	61.138 MiB	509.342 MiB	0	511.938 MiB	0	525.429 MiB	0
52	presto/tpcds: q53	2.904 GiB	0	2.923 GiB	0	2.933 GiB	0	2.959 GiB	0
53	presto/tpcds: q54	12.234 GiB	66.535 MiB	12.348 GiB	23.512 MiB	12.531 GiB	19.019 MiB	12.725 GiB	22.090 MiB
54	presto/tpcds: q55	502.732 MiB	0	503.182 MiB	0	511.487 MiB	0	517.404 MiB	0
55	presto/tpcds: q56	372.953 MiB	291.504 KiB	382.845 MiB	0	391.590 MiB	291.504 KiB	391.590 MiB	291.504 KiB
56	presto/tpcds: q57	6.270 GiB	3.310 MiB	6.551 GiB	1.122 MiB	6.659 GiB	1.008 MiB	6.780 GiB	1.500 MiB
57	presto/tpcds: q58	190.757 MiB	0	196.450 MiB	0	196.450 MiB	0	199.330 MiB	0
58	presto/tpcds: q59	12.976 GiB	6.186 MiB	13.162 GiB	0	13.401 GiB	0	13.682 GiB	0
59	presto/tpcds: q60	766.343 MiB	0	772.464 MiB	0	776.179 MiB	0	776.179 MiB	0
60	presto/tpcds: q61	1.538 GiB	287.584 KiB	1.539 GiB	2.628 MiB	1.552 GiB	6.860 MiB	1.550 GiB	4.790 MiB

	query	iceberg partitioned parquet baseline mean	iceberg partitioned parquet baseline std.dev	small read threshold 3mb mean	small read threshold 3mb std.dev	small read threshold 4mb mean	small read threshold 4mb std.dev	small read threshold 5mb mean	small read threshold 5mb std.dev
61	presto/tpcds:q62	1.126 GiB	13.363 MiB	1.161 GiB	8.920 MiB	1.178 GiB	8.793 MiB	1.206 GiB	18.278 MiB
62	presto/tpcds:q63	2.904 GiB	0	2.923 GiB	0	2.932 GiB	0	2.959 GiB	0
63	presto/tpcds:q64	49.913 GiB	43.946 MiB	51.614 GiB	46.016 MiB	55.207 GiB	26.460 MiB	59.547 GiB	25.407 MiB
64	presto/tpcds:q65	5.395 GiB	0	5.432 GiB	0	5.485 GiB	0	5.511 GiB	0
65	presto/tpcds:q66	4.412 GiB	11.381 MiB	4.425 GiB	34.917 MiB	4.473 GiB	12.993 MiB	4.474 GiB	22.706 MiB
66	presto/tpcds:q67	3.403 GiB	468.596 KiB	3.422 GiB	441.076 KiB	3.431 GiB	0.997 MiB	3.464 GiB	354.710 KiB
67	presto/tpcds:q68	1.346 GiB	834.010 KiB	1.348 GiB	665.148 KiB	1.348 GiB	662.338 KiB	1.349 GiB	883.724 KiB
68	presto/tpcds:q69	234.377 MiB	0	284.157 MiB	0	308.011 MiB	0	326.443 MiB	0
69	presto/tpcds:q70	3.778 GiB	2.698 MiB	3.834 GiB	1.583 MiB	3.863 GiB	1.195 MiB	3.965 GiB	1.549 MiB
70	presto/tpcds:q71	1.066 GiB	2.113 MiB	1.061 GiB	1.050 MiB	1.078 GiB	4.040 MiB	1.085 GiB	1.113 MiB
71	presto/tpcds:q72	5.494 GiB	38.781 MiB	6.219 GiB	0	7.854 GiB	12.312 MiB	9.363 GiB	315.651 MiB
72	presto/tpcds:q73	444.766 MiB	848.579 KiB	448.373 MiB	1.151 MiB	448.300 MiB	805.998 KiB	451.710 MiB	1.260 MiB
73	presto/tpcds:q74	4.906 GiB	0	4.995 GiB	0	5.063 GiB	0	5.142 GiB	0
74	presto/tpcds:q75	27.112 GiB	0	33.504 GiB	0	37.726 GiB	0	42.314 GiB	0
75	presto/tpcds:q76	35.300 GiB	0	35.762 GiB	0	36.091 GiB	0	36.404 GiB	0
76	presto/tpcds:q77	858.313 MiB	0	933.450 MiB	0	0.917 GiB	0	0.967 GiB	0
77	presto/tpcds:q78	13.523 GiB	0	17.043 GiB	0	19.311 GiB	0	21.826 GiB	12.069 MiB
78	presto/tpcds:q79	1.831 GiB	4.076 MiB	1.833 GiB	1.629 MiB	1.840 GiB	2.257 MiB	1.855 GiB	1.532 MiB
79	presto/tpcds:q80	11.277 GiB	14.468 MiB	12.610 GiB	18.655 MiB	14.371 GiB	10.115 MiB	16.485 GiB	13.515 MiB
80	presto/tpcds:q81	1.382 GiB	0	1.482 GiB	0	1.898 GiB	0	2.236 GiB	0
81	presto/tpcds:q82	8.235 GiB	0	8.352 GiB	0	8.487 GiB	0	8.633 GiB	0
82	presto/tpcds:q83	40.036 MiB	0	73.850 MiB	0	120.676 MiB	0	172.433 MiB	0
83	presto/tpcds:q84	1.204 GiB	0	1.446 GiB	0	2.111 GiB	0	3.281 GiB	0
84	presto/tpcds:q85	5.796 GiB	5.744 MiB	6.359 GiB	8.637 MiB	6.354 GiB	30.786 MiB	6.375 GiB	12.997 MiB
85	presto/tpcds:q86	894.881 MiB	0	914.171 MiB	0	923.948 MiB	0	0.919 GiB	0

	query	iceberg partitioned parquet baseline mean	iceberg partitioned parquet baseline std.dev	small read threshold 3mb mean	small read threshold 3mb std.dev	small read threshold 4mb mean	small read threshold 4mb std.dev	small read threshold 5mb mean	small read threshold 5mb std.dev
86	presto/tpcds: q87	917.858 MiB	0	1.076 GiB	0	1.167 GiB	0	1.274 GiB	0
87	presto/tpcds: q88	62.634 GiB	11.583 MiB	63.451 GiB	12.163 MiB	64.447 GiB	14.981 MiB	65.623 GiB	17.611 MiB
88	presto/tpcds: q89	2.877 GiB	0	2.892 GiB	0	2.912 GiB	0	2.931 GiB	0
89	presto/tpcds: q90	6.509 GiB	2.925 MiB	6.711 GiB	5.386 MiB	6.834 GiB	3.183 MiB	6.971 GiB	5.564 MiB
90	presto/tpcds: q91	185.531 MiB	0	185.504 MiB	0	253.879 MiB	0	272.166 MiB	0
91	presto/tpcds: q92	358.500 MiB	7.698 MiB	369.206 MiB	33.250 MiB	364.814 MiB	7.026 MiB	378.219 MiB	0
92	presto/tpcds: q93	21.845 GiB	8.322 MiB	22.049 GiB	2.258 MiB	22.708 GiB	4.784 MiB	23.858 GiB	5.067 MiB
93	presto/tpcds: q94	3.035 GiB	0	6.858 GiB	2.077 MiB	6.938 GiB	1.535 MiB	7.022 GiB	3.607 MiB
94	presto/tpcds: q95	7.894 GiB	561.908 KiB	12.097 GiB	0	12.387 GiB	1.983 MiB	12.726 GiB	1.913 MiB
95	presto/tpcds: q96	7.835 GiB	0	7.936 GiB	1.587 MiB	8.064 GiB	0	8.202 GiB	12.359 MiB
96	presto/tpcds: q97	3.035 GiB	0	3.165 GiB	0	3.231 GiB	0	3.306 GiB	0
97	presto/tpcds: q98	159.491 MiB	0	160.029 MiB	0	160.029 MiB	0	160.029 MiB	0
98	presto/tpcds: q99	2.244 GiB	7.827 MiB	2.354 GiB	6.844 MiB	2.400 GiB	9.789 MiB	2.469 GiB	11.730 MiB

## TPC-H Comparison (internalNetworkInputDataSize GB)

## TPC-DS Comparison (internalNetworkInputDataSize GB)