

Query 1,024 full-length protein chains
Database PDB95 (152k chains)

Machine	Threads	Time (hh:mm:ss)	Secs	Throughput pairs/thread/sec	Max RAM (Mb)
c6a.16xlarge	64	5:15	315	7,720	313
i9-14900K-3.2GHz	32	6:25	385	12,600	240
c5.4xlarge	16	22:58	1,378	7,064	123
t2.2xlarge	8	40:54	2,454	7,927	79
t2.xlarge	4	2:26:29	8,789	4,427	57

Query 1,024 full-length protein chains
Database BFVD (348k chains)

Machine	Threads	Time (hh:mm:ss)	Secs	Throughput pairs/thread/sec	Max RAM (Mb)
c6a.16xlarge	64	6:30	390	14,200	252
i9-14900K-3.2GHz	32	8:18	498	22,300	179
c5.4xlarge	16	29:29	1,769	12,600	96
t2.2xlarge	8	4:33:32	16,412	2,710	67
t2.xlarge	4	4:47:40	17,260	5,154	51

Machine i9-14900K-3.2GHz, 32 threads
Database AFDB50, one chunk (1M chains)
(Multiply time by 54 chunks for full AFDB)

Query chains	Time (hh:mm:ss)	Secs	Throughput pairs/thread/sec	Max RAM (Mb)
1024	42:52	2,572	12,400	267
128	6:34	392	10,100	249
1	1:23	83	377	230