

## MHC II Automated Server Benchmarks

This is a [live](#) ranking of MHC II servers based on performance, which continues to be reevaluated over time. The weekly IEDB releases are automatically checked for datasets large enough to add to the benchmarks. The benchmark metrics in the table below will only be updated on releases where such new data is becoming available.

### Accumulated overall ranking scores

[Ranking scores](#) based on data sets submitted to the IEDB for the last at least 5 references.

Server	2023-09-01	2023-07-28	2023-04-21	2023-03-03	2023-01-27	2022-10-28	2022-09-16	2022-09-02	2022-06-17	2022-06-10	2022-04-08	2022-04-01	2021-12-10	2021-11-05	2021-10-29	2021-07-23	2021-04-23	2021-04-16	2021-02-19	2021-01-22	2020-12-18	2020-10-30	2020-10-23	2020-08-07	2020-06-26	2020-05-01	2020-03-27	2020-03-16	2020-01-03	2019-07-02	2019-05-24	2019-03-22	2018-11-23	2017-12-29	2017-11-24	2017-08-18	2017-06-30	2017-04-28	2017-04-11	2016-12-31	
<a href="#">NetMHCIIpan-4.0</a>	84	83	72	73	72	71	78	65	64	64	62	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<a href="#">NetMHCIIpan-3.2</a>	76	72	69	67	67	66	56	48	47	46	45	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<a href="#">NetMHCIIpan-2.3</a>	58	57	50	50	51	50	48	63	65	68	69	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<a href="#">NetMHCIIpan-3.1</a>	54	53	67	57	55	56	40	42	42	36	47	47	52	54	60	58	57	58	55	58	46	49	60	61	60	64	55	64	65	65	71	84	79	76	78	73	73	93	86	81	
<a href="#">Consensus IEDB method</a>	47	55	57	62	62	64	63	65	65	69	71	71	69	68	68	66	66	71	73	69	73	76	62	60	60	58	58	61	64	66	64	64	64	61	58	57	57	42	50	52	
<a href="#">SMM-align</a>	41	38	47	49	45	47	44	49	51	48	48	45	51	51	53	49	51	43	43	43	43	57	61	57	57	54	56	38	41	43	39	43	49	35	31	34	36	36	44	49	45
<a href="#">NN-align</a>	37	38	43	42	44	43	43	55	55	56	60	61	60	60	61	68	64	73	73	75	59	60	73	74	78	79	88	75	71	71	66	54	63	65	65	69	69	79	75	65	
<a href="#">Tectorea (Stumvoll)</a>	22	26	38	40	45	44	44	29	22	39	33	33	39	37	27	21	24	17	18	14	21	29	27	25	27	26	33	28	26	26	29	21	47	53	53	52	52	6	8	25	
<a href="#">Combib matrices</a>	19	13	5	3	3	3	13	10	10	8	14	12	15	15	17	10	11	8	8	7	30	38	25	25	21	10	0	0	5	5	5	10	4	0	0	0	0	0	13	6	14

### Weekly ranking scores

[Ranking scores](#) based on data sets submitted to the IEDB within a single week.

Server	2023-09-01	2023-07-28	2023-04-21	2023-03-03	2023-01-27	2022-10-28	2022-09-16	2022-09-02	2022-06-17	2022-06-10	2022-04-08	2022-04-01	2021-12-10	2021-11-05	2021-10-29	2021-07-23	2021-04-23	2021-04-16	2021-02-19	2021-01-22	2020-12-18	2020-10-30	2020-10-23	2020-08-07	2020-06-26	2020-05-01	2020-03-27	2020-03-16	2020-01-03	2019-07-02	2019-05-24	2019-03-22	2018-11-23	2017-12-29	2017-11-24	2017-08-18	2017-06-30	2017-04-28	2017-04-11	2016-12-31	
<a href="#">NetMHCIIpan-4.0</a>	56	65	71	100	100	98	76	79	71	100	75	61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<a href="#">NetMHCIIpan-3.2</a>	69	79	71	57	79	69	62	50	64	67	0	48	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<a href="#">NetMHCIIpan-2.3</a>	63	59	100	7	21	51	59	21	0	50	56	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<a href="#">NetMHCIIpan-3.1</a>	44	45	100	86	57	65	31	36	86	42	56	39	33	24	63	63	49	100	-	61	50	41	-	100	0	61	88	75	-	25	51	83	90	67	100	-	75	-	63	81	
<a href="#">Consensus IEDB method</a>	6	57	43	29	21	62	72	43	71	42	44	68	50	83	71	63	61	25	85	68	50	88	-	38	90	62	25	50	-	75	64	57	90	83	50	-	60	-	38	52	
<a href="#">SMM-align</a>	56	38	29	71	43	47	50	0	79	0	63	53	33	43	43	13	78	50	52	33	50	63	-	75	30	58	63	25	-	50	34	53	40	0	90	-	26	-	100	45	
<a href="#">NN-align</a>	81	35	0	43	36	47	32	79	21	50	94	54	83	52	66	100	44	75	54	84	50	69	-	38	60	77	88	100	-	100	83	53	60	67	40	-	69	-	75	65	
<a href="#">Tectorea (Stumvoll)</a>	69	16	14	7	43	42	41	100	36	-	13	22	-	68	22	25	38	0	27	10	50	7	-	0	30	29	0	-	-	40	15	10	-	60	-	52	-	-	-	25	
<a href="#">Combib matrices</a>	6	23	-	-	-	5	0	-	-	-	50	5	-	0	23	0	12	-	13	10	-	0	-	-	90	12	-	0	-	0	0	0	-	20	-	0	-	0	-	0	14

### Download initial benchmark datasets

Click [here](#) to download the initial benchmark datasets.