IEDB Analysis Resource

MHC I Automated Server Benchmarks

Accumulated overall ranking scores

Overall ranking scores based on data sets submitted to the IEDB for the last at least 5 references.

Server	2018-01-26	2017-09-01	2017-03-23	2016-12-09	2016-05-03	2016-02-19	2015-08-07	2015-07-31	2015-07-17	2015-06-26	2015-06-19	2015-05-15	2015-02-06	2015-01-16	2014-10-31	2014-10-03	2014-06-20	2014-05-23	2014-03-28	2014-03-21
NetMHCpan 2.8	63	46	55	67	67	73	83	67	63	65	62	59	55	60	50	72	69	65	66	66
NetMHCpan 3.0	60	60	69	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMM	54	53	47	47	35	34	50	58	61	61	56	50	48	48	52	59	69	51	48	47
NetMHC 3.4 (ANN)	94	91	92	84	78	73	78	67	65	66	65	66	69	63	60	61	63	74	64	67
NetMHC 4.0 (ANN)	77	77	77	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARB	0	0	33	25	20	25	53	30	31	33	28	23	37	37	18	24	44	42	35	32
SMMPMBEC	68	67	69	82	65	69	75	55	57	59	54	49	45	41	49	54	-	-	-	-
IEDB Consensus	68	69	70	69	60	59	73	63	64	67	66	61	58	50	57	23	-	-	-	-
NetMHCcons	69	75	76	76	74	72	79	75	73	77	77	76	73	72	73	85	-	-	-	-
PickPocket	45	38	50	50	45	49	57	36	32	33	36	31	25	36	29	69	-	-	-	-
mhcflurry	60	65	67	80	79	73	65	56	100	-	-	-	-	-	-	-	-	-	-	-

Weekly ranking scores

Overall ranking scores based on data sets submitted to the IEDB within a single week.

Server	2018-01-26	2017-09-01	2017-03-23	2016-12-09	2016-05-03	2016-02-19	2015-08-07	2015-07-31	2015-07-17	2015-06-26	2015-06-19	2015-05-15	2015-02-06	2015-01-16	2014-10-31	2014-10-03	2014-06-20	2014-05-23	2014-03-28	2014-03-21
NetMHCpan 2.8	-	-	-	-	63	13	81	83	69	100	82	59	59	52	50	100	83	100	100	66
NetMHCpan 3.0	58	50	76	57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SMM	-	-	38	86	38	50	0	25	63	-	82	57	40	51	52	23	100	67	33	47
NetMHC 3.4 (ANN)	-	-	-	-	94	88	94	63	50	-	93	61	73	65	60	46	33	17	67	67
NetMHC 4.0 (ANN)	-	-	95	50	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ARB	-	-	-	-	0	0	100	0	0	-	82	24	21	49	18	0	0	33	33	32
SMMPMBEC	-	-	52	100	50	63	81	100	31	-	82	55	40	48	49	54	-	-	-	-
IEDB Consensus	-	-	67	71	63	75	81	50	31	-	100	60	63	56	57	23	-	-	-	-
NetMHCcons	33	75	83	64	94	38	81	83	38	100	82	75	79	68	73	85	-	-	-	-
PickPocket	67	25	50	86	6	25	94	48	81	0	68	30	33	24	29	69	-	-	-	-
mhcflurry	-	-	24	93	100	100	81	13	100	-	-	-	-	-	-	-	-	-	-	-