

MHCBoost vs NetMHCpan on the IEDB datasets

Alleles	NetMHCpan AUC	MHCBoost AUC
HLA-A01:01	0.9603	0.9639
HLA-A02:01	0.96432	0.9491
HLA-A02:02	0.92973	0.9491
HLA-A02:03	0.95292	0.963
HLA-A02:06	0.91385	0.9242
HLA-A02:11	0.95536	0.8916
HLA-A02:12	0.96309	0.9223
HLA-A02:16	0.96779	0.91
HLA-A02:19	0.97906	0.9281
HLA-A02:50	0.98815	0.9337
HLA-A03:01	0.94335	0.9503
HLA-A11:01	0.96011	0.967
HLA-A23:01	0.91161	0.9014
HLA-A24:02	0.90832	0.918
HLA-A24:03	0.96929	0.9569
HLA-A25:01	0.99487	0.9224
HLA-A26:01	0.95657	0.9526
HLA-A26:02	0.99349	0.9435
HLA-A26:03	0.98723	0.9121
HLA-A29:02	0.89192	0.8914
HLA-A30:01	0.94315	0.9358
HLA-A30:02	0.8478	0.8141
HLA-A31:01	0.94907	0.9428
HLA-A32:01	0.89318	0.8803
HLA-A32:07	0.67806	0.6344
HLA-A32:15	0.71751	0.7109
HLA-A33:01	0.93097	0.9505
HLA-A66:01	0.95455	0.7523
HLA-A68:01	0.90791	0.9252
HLA-A68:02	0.93553	0.6802
HLA-A68:23	0.82105	0.691
HLA-A69:01	0.95604	0.9203
HLA-A80:01	0.96764	0.9662
HLA-B07:02	0.9676	0.9704
HLA-B08:01	0.94032	0.9317
HLA-B08:02	0.98778	0.9679
HLA-B08:03	0.93944	0.8323
HLA-B14:02	0.80519	0.8731
HLA-B15:01	0.93002	0.9187
HLA-B15:02	0.83281	0.5798
HLA-B15:03	0.9056	0.9195
HLA-B15:09	0.96569	0.8786
HLA-B15:17	0.96322	0.9287
HLA-B18:01	0.93757	0.9104
HLA-B27:05	0.95925	0.961
HLA-B35:01	0.93722	0.938
HLA-B38:01	0.95037	0.9756
HLA-B39:01	0.96778	0.9341

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HLA-B40:01	0.9755	0.9739
HLA-B40:02	0.92637	0.9246
HLA-B44:02	0.94337	0.967
HLA-B44:03	0.90146	0.9526
HLA-B45:01	0.92637	0.9666
HLA-B46:01	0.96227	0.9276
HLA-B48:01	0.98555	0.9111
HLA-B51:01	0.95453	0.9491
HLA-B53:01	0.93362	0.9261
HLA-B57:01	0.97594	0.966
HLA-B58:01	0.97108	0.9709
HLA-B73:01	0.77941	0.7024
HLA-B83:01	0.95405	0.9084
HLA-C05:01	0.92817	0.9313
HLA-C06:02	0.66491	0.8848
HLA-C14:02	0.90609	0.7438
HLA-C15:02	0.72233	0.8657
Average	0.9229949230769	0.899173846153846