SUPPLEMENTARY MATERIAL 2

DeepMSPeptide: peptide detectability prediction using deep learning.

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GPMDB test dataset: Statistical comparison of the AUC values obtained using DeepMSPeptide (1D-2C-CNN) with the results of the other approaches based on DeLongs's test (Elisabeth, R. et al. (1988) Comparing the areas under two or more correlated receiver operating characteristic curves: a nonparametric approach'. Biometrics 44, 837-845).

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	70.2C	70.7C	RE	SynR	DMM	රු	Mnet	RPart	⁴ 10	6 15	GIM	Ginstepal	Gaussian	Jrip
1D-2C-CNN														
1D-1C-CNN	0.9214													
Random Forest	2.2E-16	2.2E-16												
SvmR1	2.2E-16	2.2E-16	2.2E-16											
DNN2	2.2E-16	2.2E-16	2.2E-16	0.5858										
C5	2.2E-16	2.2E-16	2.2E-16	0.0007409	0.2858									
Nnet	2.2E-16	2.2E-16	2.2E-16	2.2E-16	3.078E-06	3.021E-11								
Rpart	2.2E-16	2.2E-16	2.2E-16	2.2E-16	2.2E-16	2.2E-16	2.2E-16							
Nb	2.2E-16	2.2E-16	2.2E-16	2.2E-16	2.2E-16	2.2E-16	2.2E-16	2.2E-16						
Pls	2.2E-16	2.2E-16	2.2E-16	2.2E-16	2.2E-16	2.2E-16	2.2E-16	2.2E-16	0.000226					
Glm	2.2E-16	2.2E-16	2.2E-16	2.2E-16	2.2E-16	2.2E-16	2.2E-16	2.2E-16	0.000342	0.9349				
GlmStepAIC	2.2E-16	2.2E-16	2.2E-16	2.2E-16	2.2E-16	2.2E-16	2.2E-16	2.2E-16	0.0003385	0.9214	0.5423			
Gaussian	2.2E-16	2.2E-16	2.2E-16	2.2E-16	2.2E-16	2.2E-16	2.2E-16	2.2E-16	6.912E-05	0.4028	0.3133	0.3291		
Jrip	2.2E-16	2.2E-16	2.2E-16	2.2E-16	2.2E-16	2.2E-16	2.2E-16	2.2E-16	5.247E-09	0.001483	0.00165	0.001665	0.004665	