

S2 Table: Results of AUC-ROC (ROC) and AUC-PR (PR) for each location of human part of RNALocate database obtained by NN-RNALoc, SVM-RNALoc, RF-RNALoc, XGBoost-RNALoc, DNN-RNALoc, LightGBM-RNALoc.

Methods	NN-RNALoc		SVM-RNALoc		RF-RNALoc		XGBoost-RNALoc		LightGBM-RNALoc	
	ROC	PR	ROC	PR	ROC	PR	ROC	PR	ROC	PR
Cyt	0.76	0.66	0.65	0.58	0.65	0.55	0.66	0.28	0.45	0.28
ER	0.70	0.79	0.23	0.31	0.55	0.40	0.34	0.42	0.44	0.38
EX	0.65	0.63	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mit	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nuc	0.71	0.70	0.34	0.50	0.25	0.40	0.33	0.45	0.48	0.38

The names of compartments are abbreviated as Cyt : Cytosol, ER: Endoplasmic Reticulum, EX : Extracellular Region, Mit :Mitochondria, Nuc: Nucleus. NN-RNALoc (with employing NN on k-mer and distance-based profiles features); SVM-RNALoc (with employing support vector machine on k-mer and distance-based profiles features); XGBoost-RNALoc(with employing extreme gradient boosting on k-mer and distance-based profiles features); LightGBM-RNALoc (with employing light gradient-boosting machine on k-mer and distance-based profiles features).