Demonstration

How to extract Bioinformatics features?

Generating More Features

Web server
• iLearn: http://ilearn.erc.monash.edu • iFeature: http://ifeature.erc.monash.edu • Pse-in-One: http://bioinformatics.hitsz.edu.cn/Pse-in-One2.0/

Python	R
• repDNA • Pse-in-One • iLearn • PyBioMed	• rDNAse • BioMedR • Protr

Thank you for your attention

References

- Nanni L, Ghidoni S, Brahnam S. Handcrafted vs. non-handcrafted features for computer vision classification. Pattern Recognition. 2017;71:158-172.

- Moindi A, Tare C, Ochieng P, Wamunyokoli F, Nyanjom S. Expression of odorant co-receptor Orco in tissues and development stages of Glossina morsitans morsitans, Glossina fuscipies fuscipies and Glossina pallidipies. Scientific African. 2018;1:e00011.

References

- Jones D. Protein secondary structure prediction based on position-specific scoring matrices 1 1Edited by G. Von Heijne. Journal of Molecular Biology. 1999;292(2):195-202.

- Noble W, Kuehn S, Thurman R, Yu M, Stamatoyannopoulos J. Predicting the in vivo signature of human gene regulatory sequences. Bioinformatics. 2005;21(Suppl 1):i338-i343.

Image Sources

- AI free icon is made by photo3idea_studio from Flaticon. Available from: https://www.flaticon.com/free-icon/ai_1693820?related_id=1693820