Resource Summary Report

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GDSC data set and random forest model scripts

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Proper Citation

Peter Anderson 2019. GDSC data set and random forest model scripts . protocols.io dx.doi.org/10.17504/protocols.io.3j9gkr6

Protocol Information

URL: https://dx.doi.org/10.17504/protocols.io.3j9gkr6

Authors: Peter Anderson

Summary: This location contains the GDSC data set with 145 oncogene mutation statuses and ~1200 chemical descriptors. For instructions how to run binary classification (to predict compound activity vs inactivity) or regression (to predict values of log IC50), see the README.classification.txt and README.regression.txt files, respectively.

Associated Publications: Lind AP, Anderson PC (2019) Predicting drug activity against cancer cells by random forest models based on minimal genomic information and chemical properties. PLoS ONE 14(7): e0219774. doi: 10.1371/journal.pone.0219774

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