Network-based assignment of RBP functionality

Albert Fradera-Sola Butter lab

CSAMA 2022



@AFraderaSola

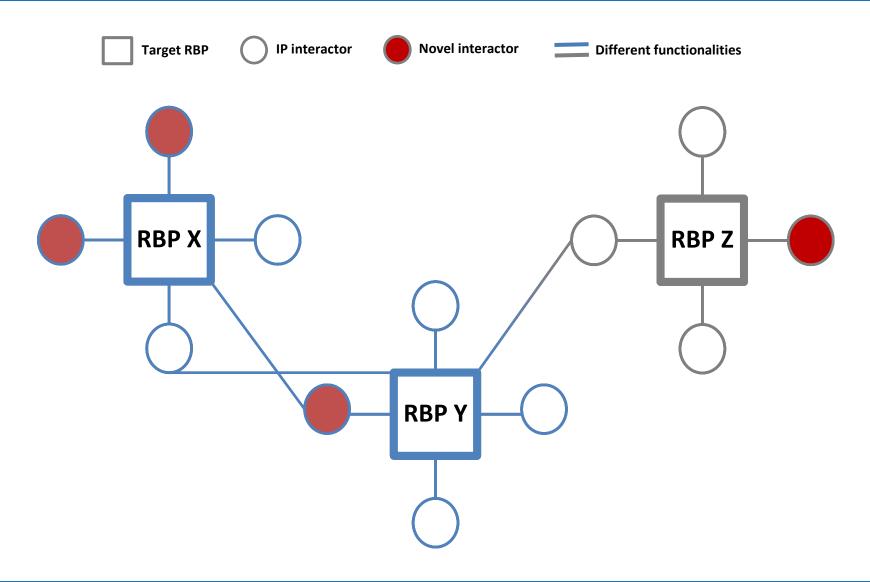


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Network-based assignment of RBP functionality





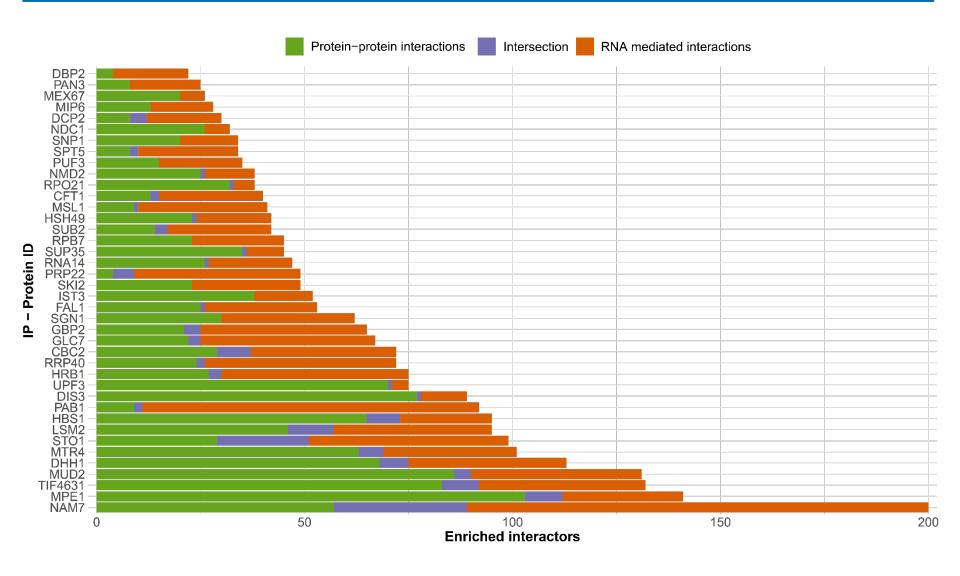
Systematic pulldown screen on 40 well-studied RBPs

Tagged strain Wild type strain Legend Lysis TAP-Tag RBP of interest Protein-protein **Pulldown** interactor RNA dependent interactor RNase +/-Washes Unspecific binder RNase A RNA **Elution**



Proto

Protein-protein and RNA mediated interactors show minimal overlap

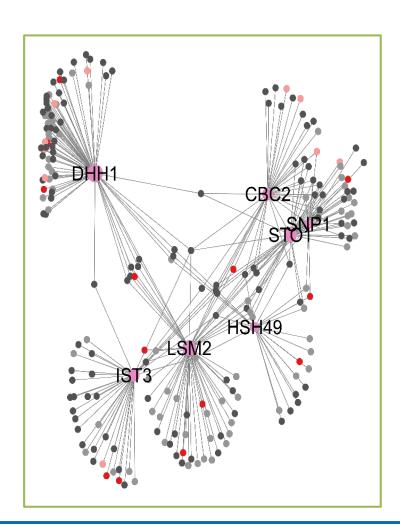


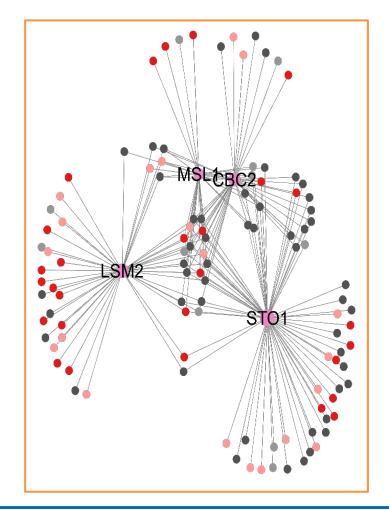




Network-based splicing functionalities assignment

■ BioGRID RBP interactor
■ BioGRID interactor
● Unreported RBP interactor
● Unreported interactor









Acknowledgements

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