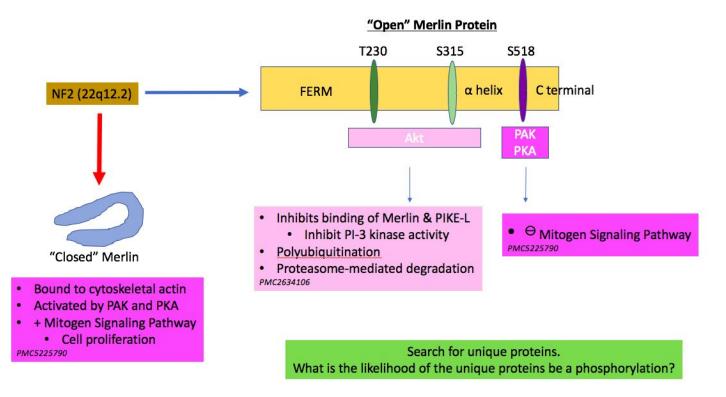
Proteim

Maricris Macabeo, Mukund Kabra, Jay Kabra, Ronald Ding, Vandon Duong, Jay Chulani

SVAI Hackathon

Background



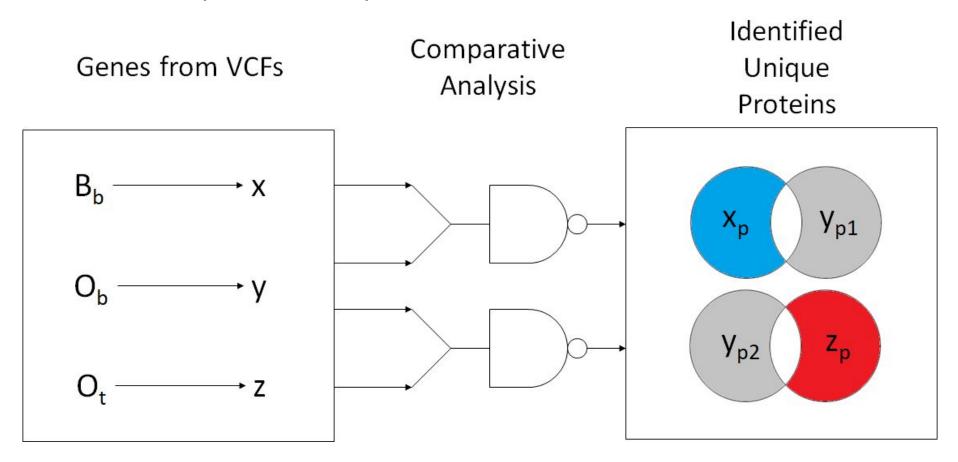
Objectives

Identify unique proteins that can be used as a drug target

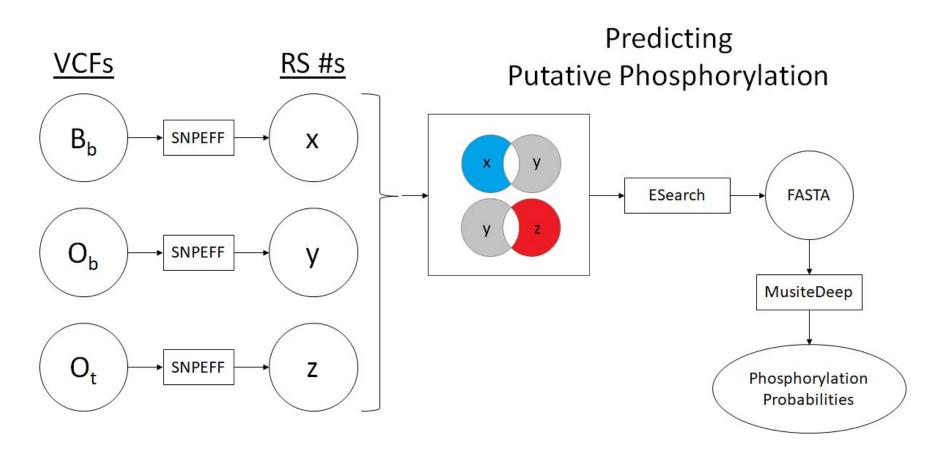
Which genes are absent/present between Onno's blood/tumor/brother sample

Identify differences in the number of putative phosphorylated proteins

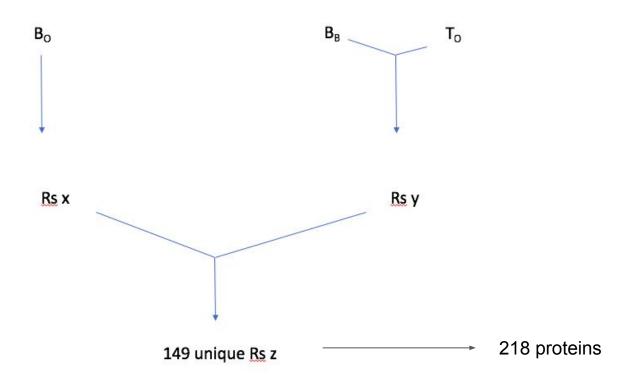
Methods (Overview)



Methods (Genomic Tools) Ideal



Methods (Actual)



Results

- Found 149 unique Rs
 - 44 no result
 - 105 result
 - 218 proteins

Conclusion

- Obtained candidate unique proteins that have the high likelihood of phosphorylation site.
- Challenges: 2 samples in 1 file
- Implications/ Further studies
 - Can feed through a new drug pipeline?
 - Can be used as marker for disease progression?

Acknowledgements

Ben Busby from NCBI

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