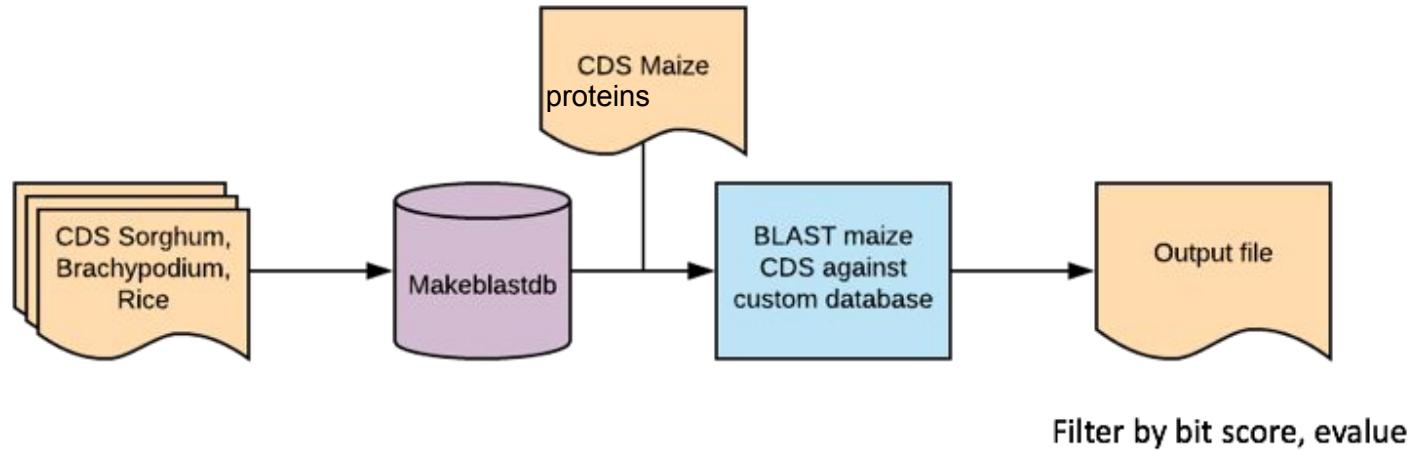


Merritt Burch

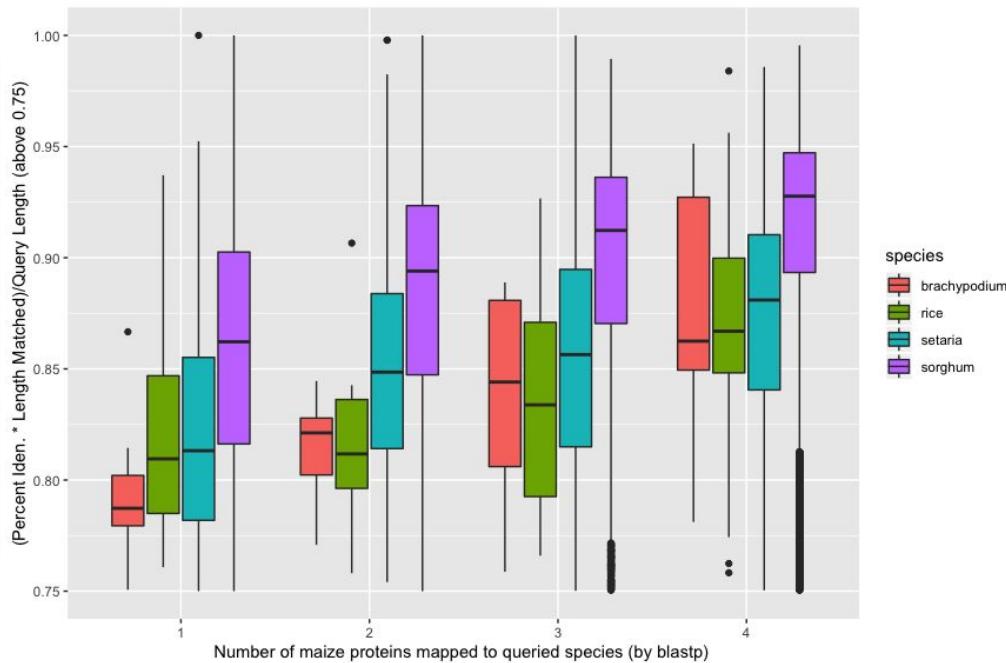
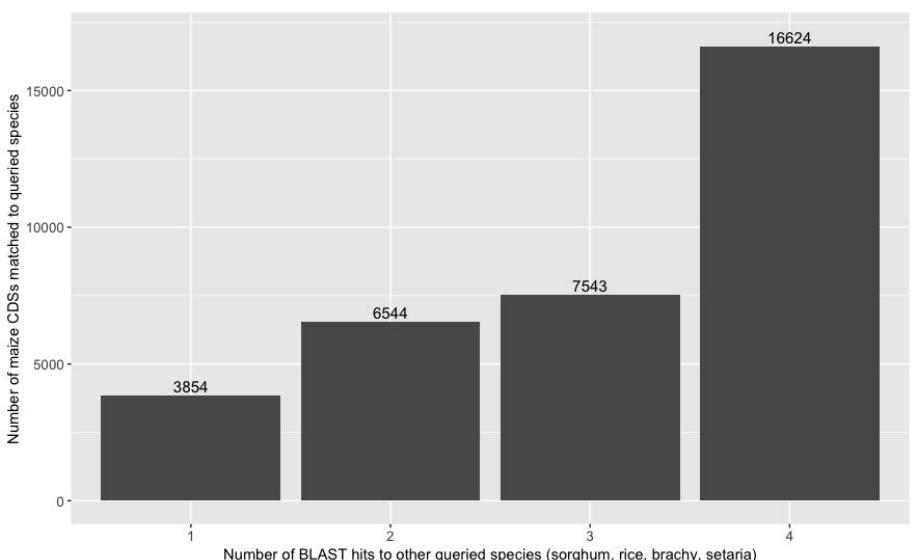
Buckler Lab Presentation
2019-02-28

Flowchart for blastdb's



Blastn results

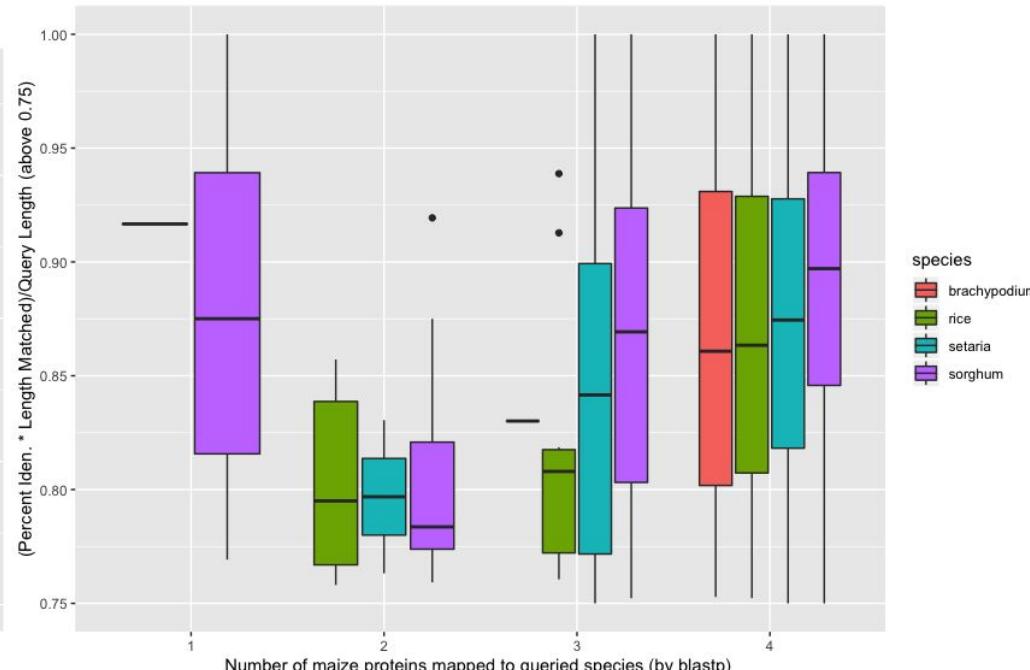
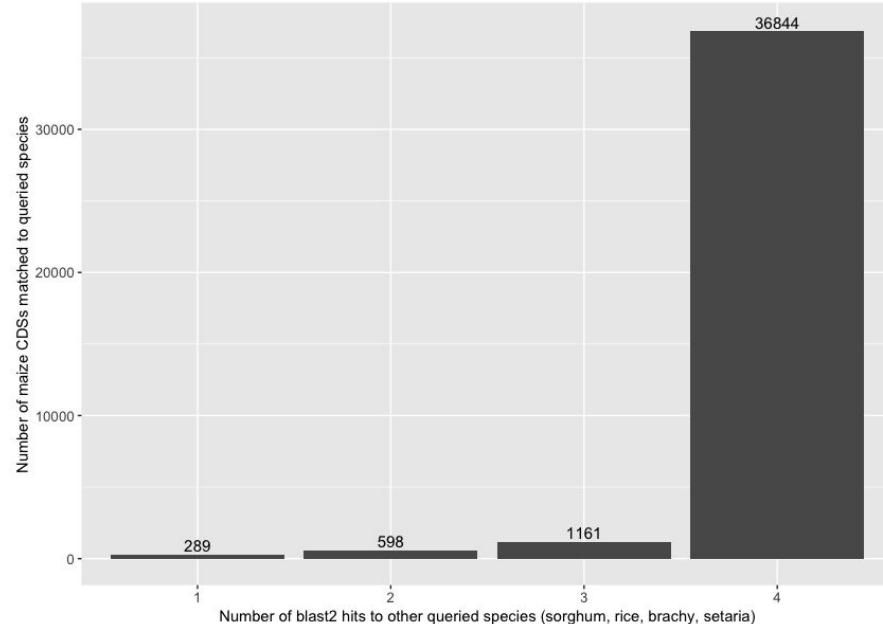
Normalized percent identity
All: 75%
>0.75 Identity: 80%



Bars colored by species protein was most strongly mapped to

Normalized percent identity
All: 77%
>0.75 Identity: 75%

Blastp results



Bars colored by species protein was most strongly mapped to

These are partial to full length matches, not only full length; may be why %identity is so similar to nucleotide %identity

Lewis J. Stadler

PhD in 1922 from U. of Missouri & Cornell University with Love & Emerson

Described variation in recombination due to linkage on 9S in maize;
observed mutagenic effect of x-rays; compared spontaneous and induced
mutations at selected loci in maize (both mutations thought to be identical
previously)



Joint appointments at U. of Missouri and USDA

Elected into National Academy of Sciences in 1938

Fun fact: (from NAS) “Stadler made a poor impression at Cornell.”; “To Emerson, Stadler gave the impression of an indifferent and negligent student with little sense of direction and purpose.”