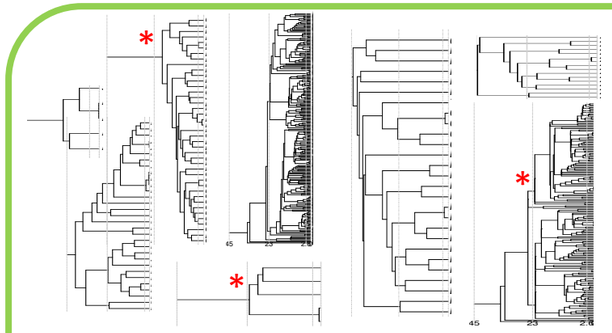
1) A list of **taxon names** provided by the user

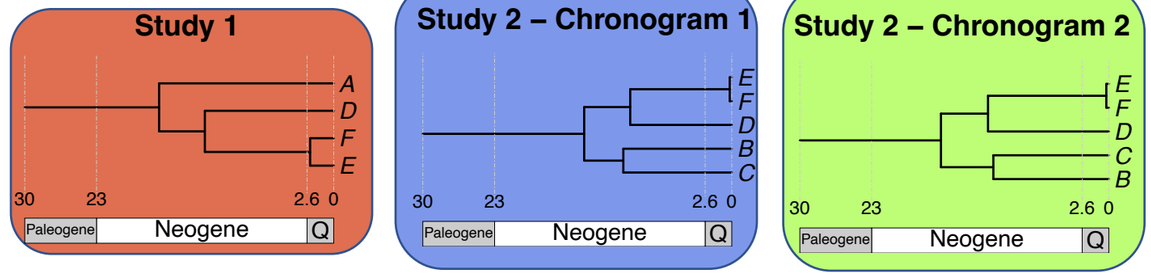
B_1, A, C, E, F_x, D

2) Processing taxon names with **TNRS** and **standardizing** them to a taxonomy

A B C D E F

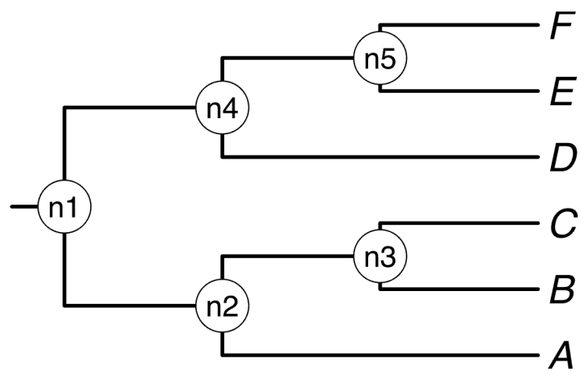


3a) Search **processed taxon names** in chronogram database and identify*



3b) prune matching chronograms = **source chronograms**

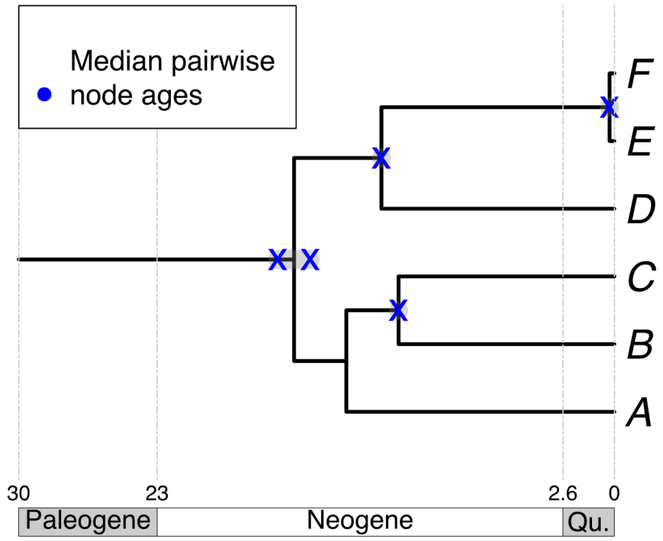
4) Choose **tree topology**



5) **Congruify** source chronogram nodes to nodes of tree topology

	Node Name	taxonA	taxonB	Median Pairwise Age
1	n1	A	D	15.5959128
2	n1	A	E	13.8809227
3	n1	A	F	13.8809227
4	n1	B	D	15.8025730
5	n1	B	E	16.6600685
6	n1	B	F	16.6600685
7	n1	C	D	15.8025727
8	n1	C	E	16.6600683
9	n1	C	F	16.6600683
10	n3	C	B	11.6465263
11	n4	E	D	11.2403361
12	n4	F	D	11.2403361
13	n5	E	F	0.8081026

Median Summary Chronogram



6) Use ages of congruent nodes to **date a tree topology**