Instructions for the demo application ALSowExt in the following paper;

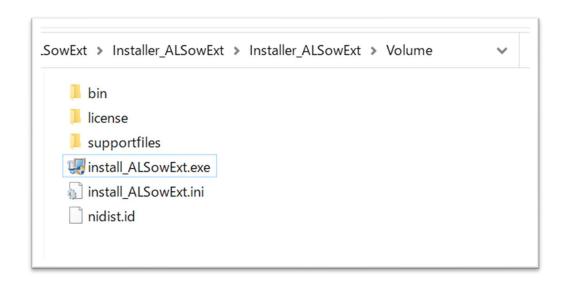
"Efficient extraction of related literature utilizing citation networks by Academic-landscape/Future-prediction system; Case study of enzyme-related literature selection"

Hiroko Inoura and Nozomi Nagano 28th April 2023

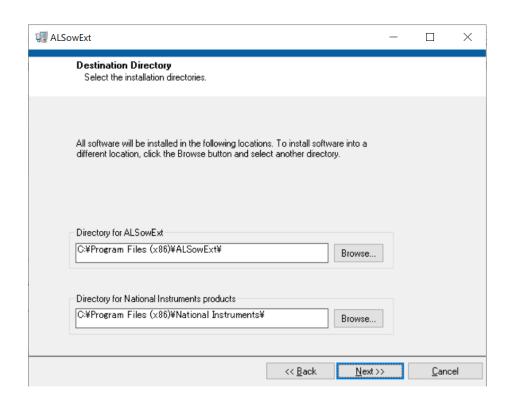
Installation of ALSowExt (for Windows 10)

By unzipping the file, installer_ALSowExt folder will be created. install_ALSowExt.exe file will be In the Volume folder.

Please execute it as an administrator.



By executing the exe file, installer will appear. Please click the Next button to continue it..



Installation of ALSowExt (for Windows 10)

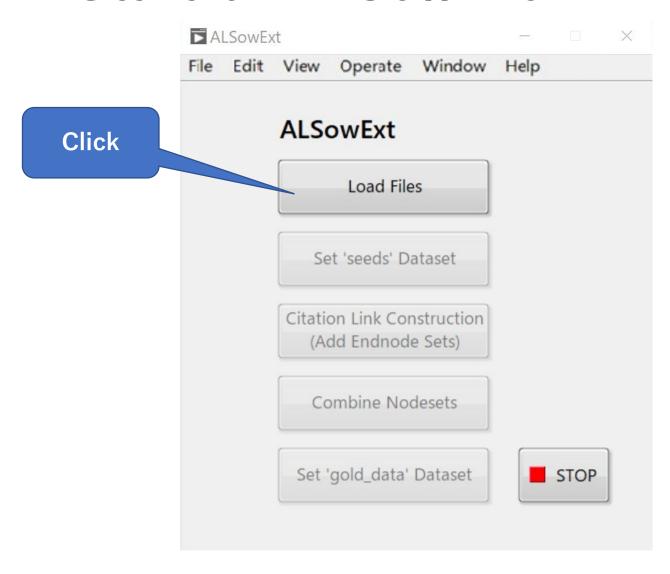
Finally, the ALSowExt folder will be created in the 'Program Files (x86)' folder.



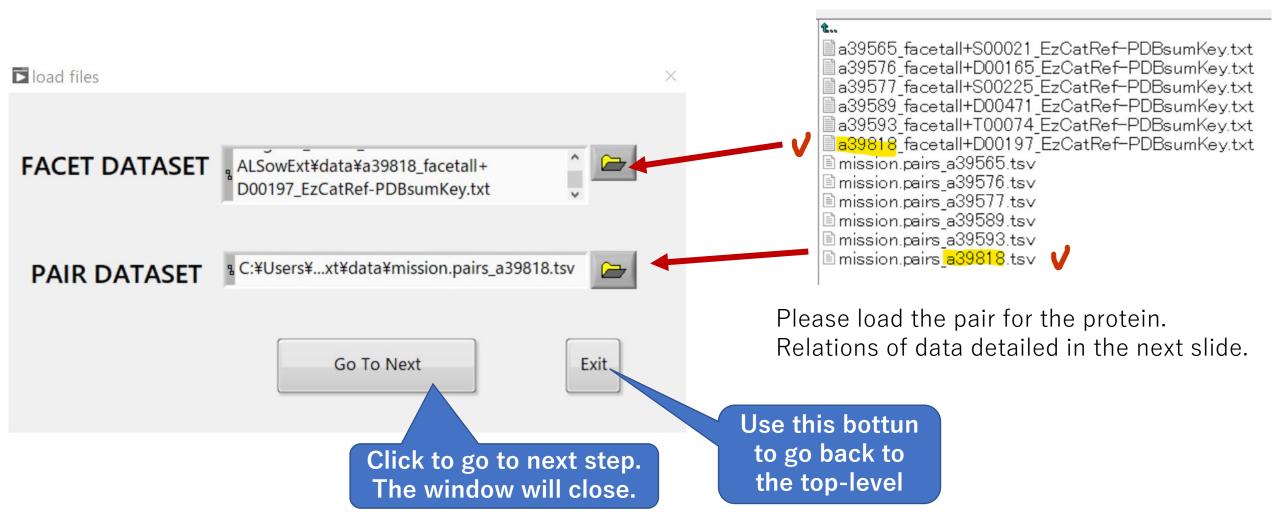
Warning: please do not use "x" of the upper-right of the window to close sub-windows. Please click the "back" (or "OK", etc.) buttons to go back to the upper-level window.

Please move the 'data' folder to your Documents folder before executing ALSowExt.

Start of ALSowExt



Loading files

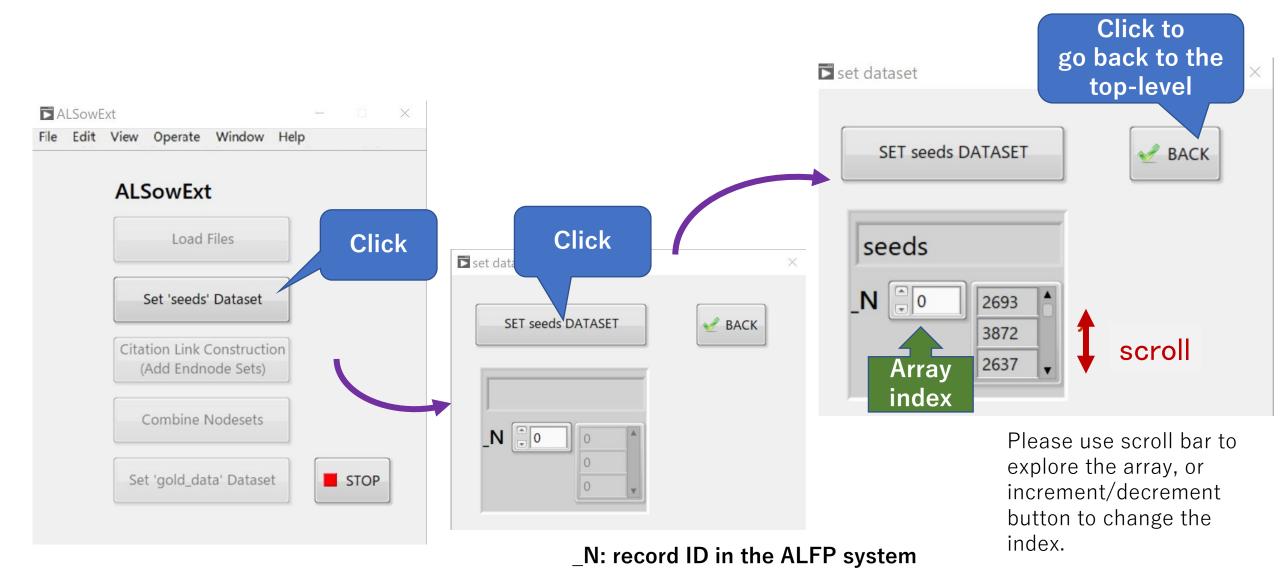


Comparison of ALFP data and sample data file in this application

Datasets (EzCatDB ID)	ALFP analyzed data described in the paper	Data files included in this application
Lysozyme (S00021)	a39565/mission.facet.all.tsv	a39565_facetall+S00021_EzCatRef-PDBsumKey.txt
	a39565/mission.pairs.tsv	mission.pairs_a39565.tsv
a-Amylase (D00165)	a39576/mission.facet.all.tsv	a39576_facetall+D00165_EzCatRef-PDBsumKey.txt
	a39576/mission.pairs.tsv	mission.pairs_a39576.tsv
Triosephosphate isomerase (TIM) (S00225)	a39577/mission.facet.all.tsv	a39577_facetall+S00225_EzCatRef-PDBsumKey.txt
	a39577/mission.pairs.tsv	mission.pairs_a39577.tsv
HIV-1 retropepsin (D00471)	a39589/mission.facet.all.tsv	a39589_facetall+D00471_EzCatRef-PDBsumKey.txt
	a39589/mission.pairs.tsv	mission.pairs_a39589.tsv
Thrombin (T00074)	a39593/mission.facet.all.tsv	a39593_facetall+T00074_EzCatRef-PDBsumKey.txt
	a39593/mission.pairs.tsv	mission.pairs_a39593.tsv
Trypsin (D00197)	a39818/mission.facet.all.tsv	a39818_facetall+D00197_EzCatRef-PDBsumKey.txt
	a39818/mission.pairs.tsv	mission.pairs_a39818.tsv

Gold data and seed data were combined with facet.all data described in the paper, to make facetall+EzCatRef-PDBsumKey files.

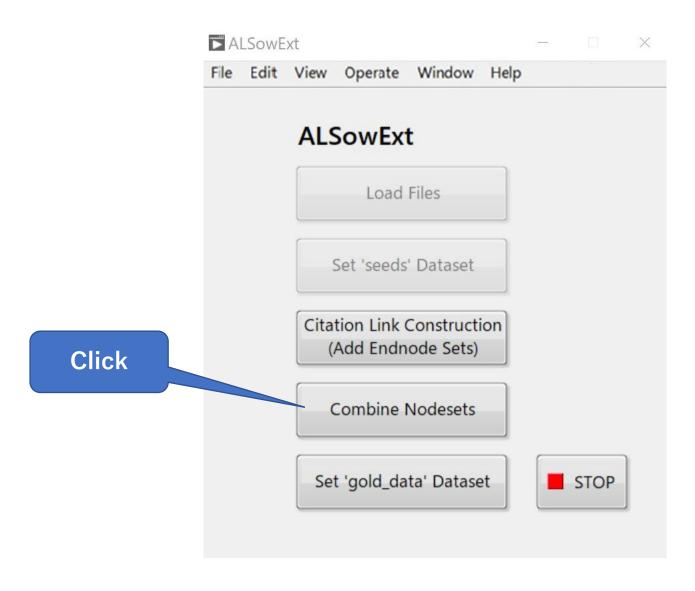
Setting Seeds of Dataset for the further step

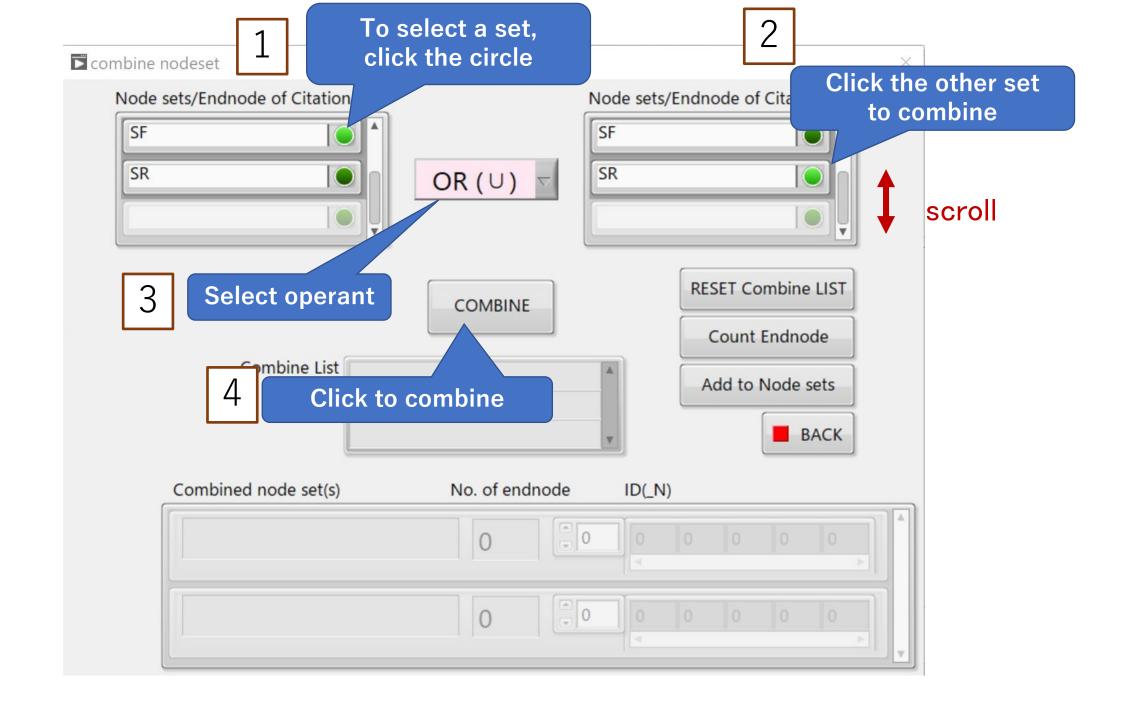


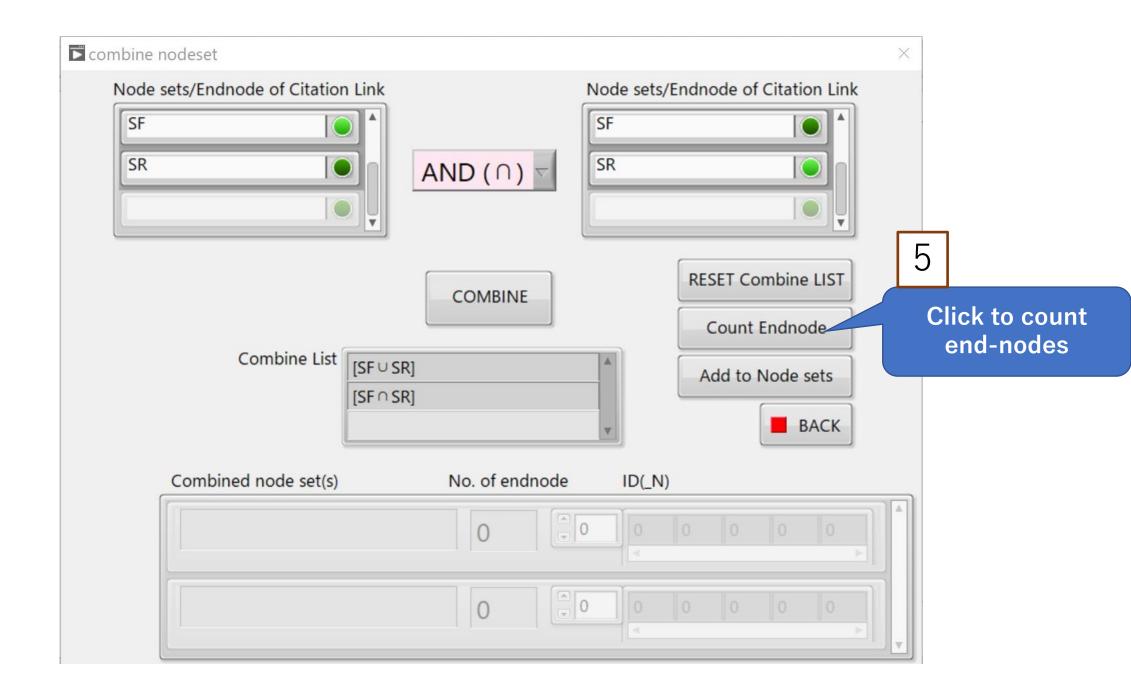
Citation Link Construction

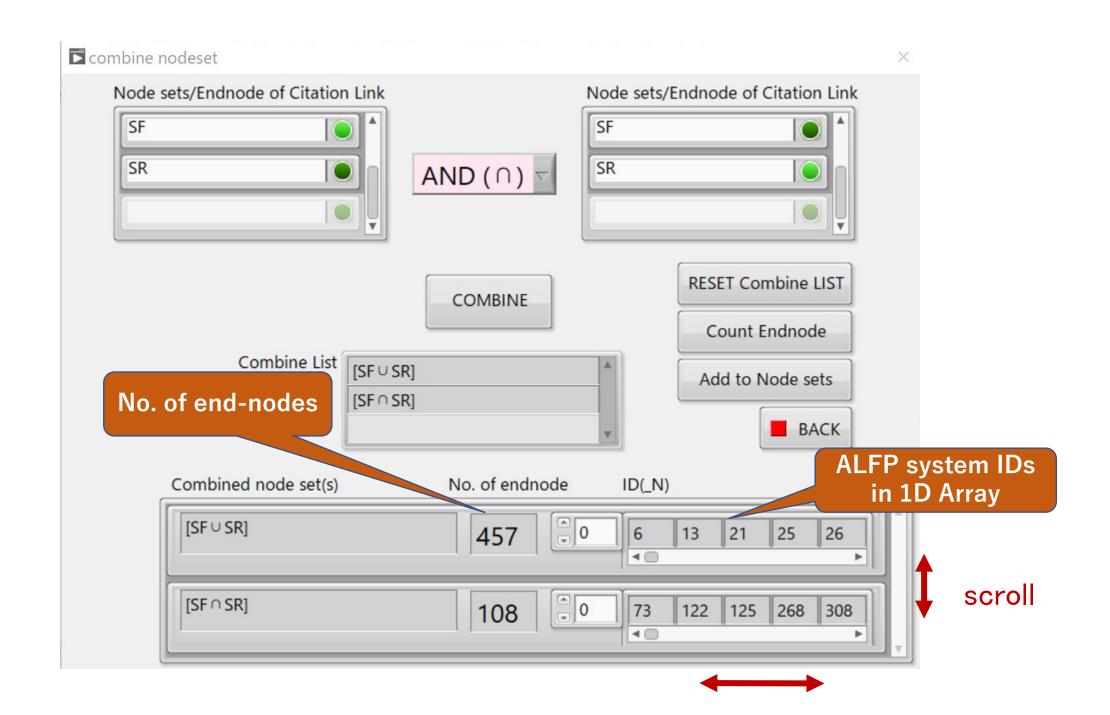


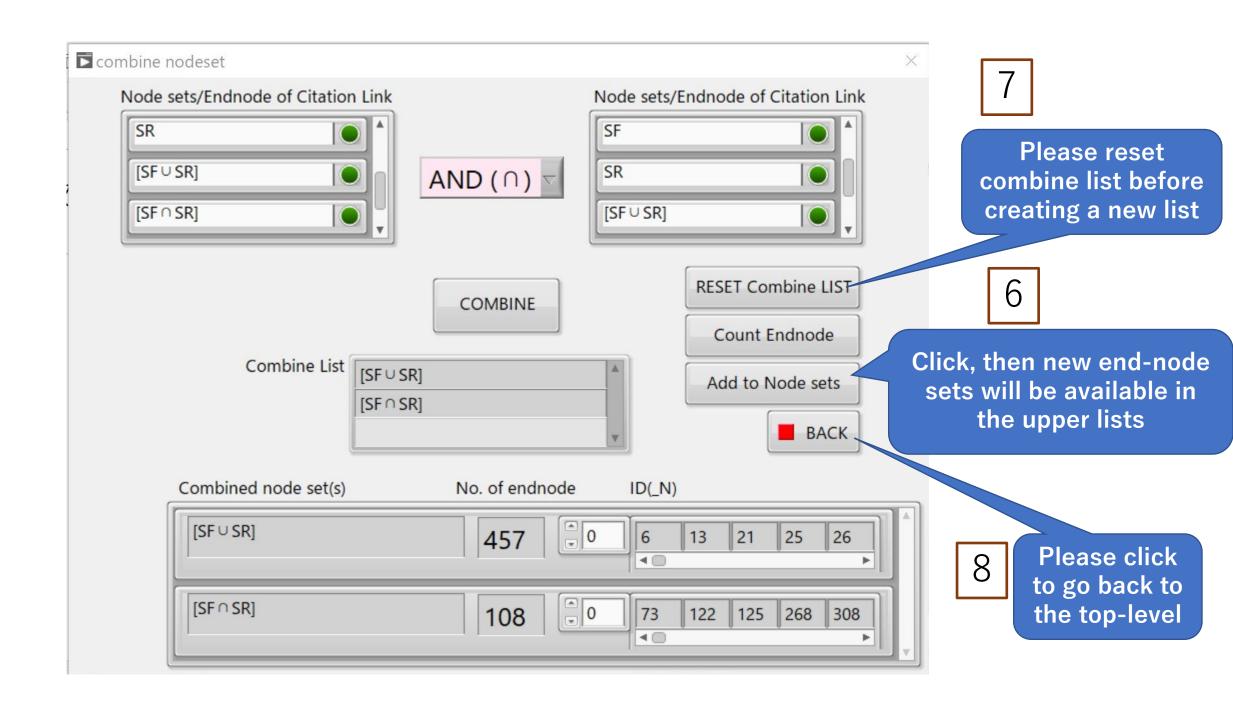
Combining Node set



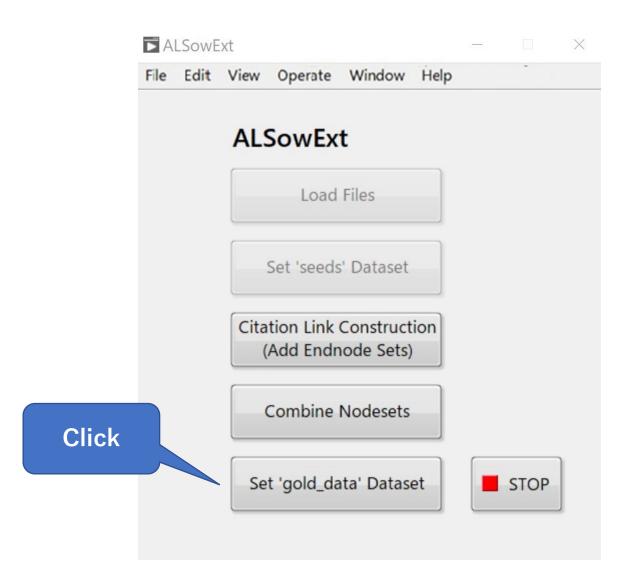


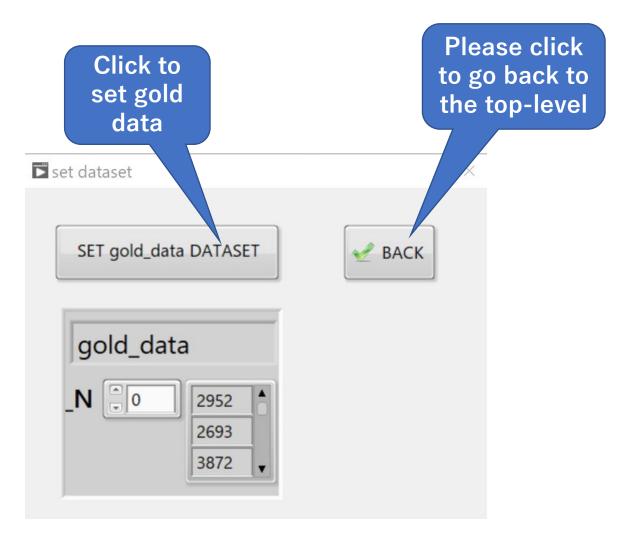




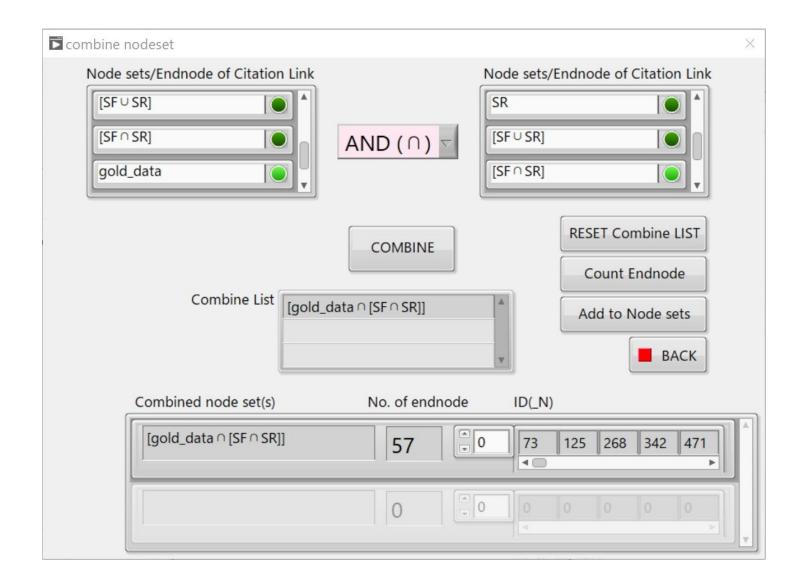


Setting gold data for the further evaluation





A sample of evaluation with gold data



Exit of ALSowExt Click to **►** ALSowExt close File Edit View Operate Window Help **ALSowExt** Load Files Set 'seeds' Dataset Citation Link Construction (Add Endnode Sets) Combine Nodesets **Click to stop** Set 'gold_data' Dataset ■ STOP the application