

Clustered_proof_annotationTE_low_copyTE_skippedSettingsUndo

TETrimmer

TETrimmer manual proof annotation assistant tool

Introduction:

We highly recommend to do manual proof annotation to increase your TE annotation quality.

1, Click the <Clustered_proof_annotation> buttons in the menu bar.

All clusters will be displayed. TEs with more than 90% identity are placed into one cluster.

2, Click each <Cluster> button.

For each TE, you can find four files:

<seq_name.anno.fa>: the multiple sequence alignment (MSA) file before cleaning

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<seq_name.pdf>: the report file contains 7 plots used to evaluate annotation quality

<seq_name.bed>: the MSA bed file. Used for further MSA extension.

More than one TE can be found, theoretically, you only need to choose one from each cluster.

3, Double click <seq_name.pdf> and evaluate annotation quality.

4, If you are satisfied with the result, click <Consensus> button behind <seq_name.fa>.

This MSA file goes to <Proof_annotation_consensus_folder>.

If you are not satisfied, click <seq_name.fa> or <seq_name.anno.fa> to modify MSA and save it to consensus folder.

If you want more extension for the MSA, click <Extension> behind <seq_name.bed>

This bed file is salved to <Proof_annotation_need_more_extension> folder.

If you want to use the original input TE, click <Use input> behind <seq_name.pdf>

The pdf report file goes to <Proof_annotation_use_input_sequence>.

5, For skipped and low copy elements, check the pdf file and decide if to include it into the final consensus library.

Note: Skipped and low copy elements do not have multiple sequence alignment files

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204Cluster203(17 files)

205Cluster204(4 files)

206Cluster205(13 files)

207Cluster206(4 files)

208Cluster207(13 files)

209Cluster208(17 files)

210Cluster209(9 files)

211Cluster210(25 files)

212Cluster211(4 files)

213Cluster212(21 files)

214Cluster213(9 files)

215Cluster214(4 files)

Cluster205

		Consensus	Extension	Use input	Others
1	0TETrimmer_Cluster205_multiple_sequence_dotplot.pdf				
2	rnd_1_family_137#LTR__Gypsy.anno.fa	Consensus	Extension	Use input	Others
3	rnd_1_family_137#LTR__Gypsy.bed	Consensus	Extension	Use input	Others
4	rnd_1_family_137#LTR__Gypsy.fa	Consensus	Extension	Use input	Others
5	rnd_1_family_137#LTR__Gypsy_Reco_check_5573_bp_standard.pdf	Consensus	Extension	Use input	Others
6	rnd_1_family_170_01#LTR__Gypsy.anno.fa	Consensus	Extension	Use input	Others
7	rnd_1_family_170_01#LTR__Gypsy.bed	Consensus	Extension	Use input	Others
8	rnd_1_family_170_01#LTR__Gypsy.fa	Consensus	Extension	Use input	Others
9	rnd_1_family_170_01#LTR__Gypsy_Good_5123_bp_98.69%.pdf	Consensus	Extension	Use input	Others
10	rnd_1_family_241#LTR__Gypsy.anno.fa	Consensus	Extension	Use input	Others
11	rnd_1_family_241#LTR__Gypsy.bed	Consensus	Extension	Use input	Others
12	rnd_1_family_241#LTR__Gypsy.fa	Consensus	Extension	Use input	Others
13	rnd_1_family_241#LTR__Gypsy_Good_5082_bp_99.69%.pdf	Consensus	Extension	Use input	Others