constraintBuilder  GUI assistance for constructing constraint sets

Description

This command opens a series of user-friendly pop-up windows that will help the user adapt sample constraints or build new constraints from scratch.

Usage

constraintBuilder()

Details

There are five sample constraints the user can modify: ICstep (the information content is a constant across the intervals), ICbound (the information content is bounded across each interval, V-shaped (the information content follows a symmetric and continuous high-low-high), A-shaped (the information content follows a symmetric and continuous low-high-low), Submotif (a segment of the motif is known).) The user also has the option of building a constraint set from scratch. The user will then be taken through a step-by-step construction (interval setup, palindromic intervals constraints, information content constraints, nucleotide frequencies constraints and submotif constraints.)

Value

The function returns an object of class constraint set, which can be passed to cosmo() as the constraints argument or plotted using the plot() function.

Author(s)

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Examples

#cs <- constraintBuilder()
#plot(cs)
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