



Legend

	Filter is hard-coded
	Filter is toggleable in config.yaml
	Filter is modifiable in config.yaml
	Has color-coded citation
	Has color-coded note

Called the 'mp\_threshold' in ALLEGRO configurations.

When no scores are assigned to guides and there is no beta (final set size constraint), this is inefficient. For example, when a guide 'A' targets only species 1, and guide 'B' targets species 1, 2, and 3, both guides 'A' and 'B' are kept when keeping guide 'B' would suffice.

When there are scores and beta, both guides 'A' and 'B' have to be kept until the final calculation. In this case, if beta allows, we may pick three guides for species 1, 2, and 3 to maximize the cutting efficiency in each species. If beta is constrained, we may pick guide 'B' to cover all three species at the cost of cutting efficiency.

Sources

WU-CRISPR: characteristics of functional guide RNAs for the CRISPR/Cas9 system - Genome Biology  
BioMed Central

Optimized CRISPR guide RNA design for two high-fidelity Cas9 variants by deep learning - Nature Communications  
Nature