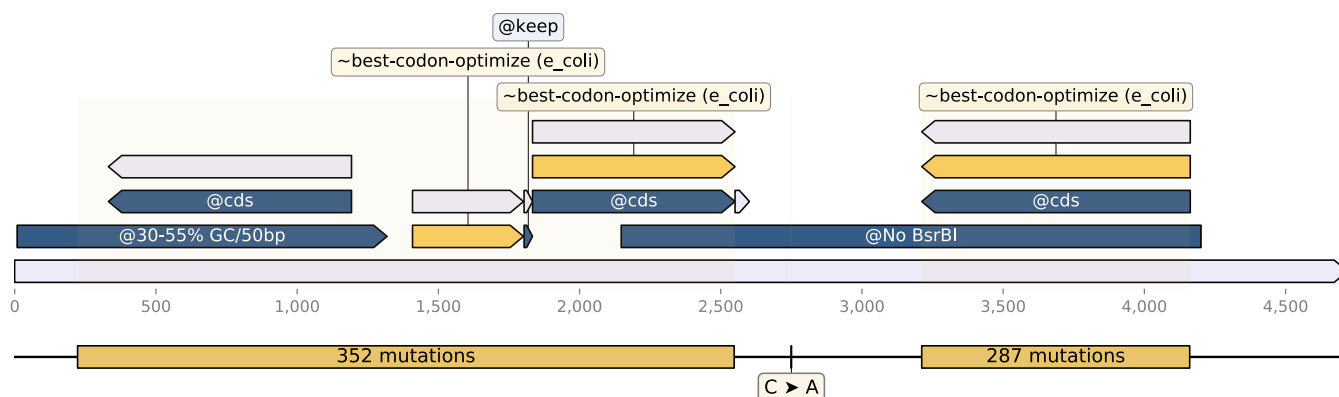


Optimization Report

for My project



	Failing constraints	Objectives score	Sequenticon
Before	2	-436.97	
After	0	-0.34	



The optimization created 640 edits. See attached Genbank file for the details.

Constraints

constraint	start	end	before	after	edits	% edited
30-55% GC/50bp	9	1319	FAIL	PASS	75	5.73
cds	332	1193	PASS	PASS	60	6.97
keep	1804	1834	PASS	PASS	0	0.00
cds	1834	2551	PASS	PASS	192	26.78
No BsrBI	2148	4201	FAIL	PASS	406	19.78
cds	3212	4163	PASS	PASS	287	30.18

Objectives

objective	boost	start	end	before	after	edits	% edited
best-codon-optimize (e_coli)	1.0	1409	1802	-76.04	0	85	21.63
best-codon-optimize (e_coli)	1.0	1834	2551	-153.40	-0.05	192	26.78
best-codon-optimize (e_coli)	1.0	3212	4163	-207.53	-0.29	287	30.18