Solution comparisons.

All comparisons are for 25 genes length

Settings: functionseq1, functionmut2. Stop=1. Mutsum cutoff=150. Pruning at 9000.

Averaged results:

average mutsum: 111.29

average mutsum2: 552.605

average levels: 19.29 deep

average start cost:23.215

average runtime: 1.5991882514953613 sec

Solutions Monday night:

functionseq = 1

functionmut = 3

padding = True

Averaged results:

average minimum mutsum: 100.93

average minimum mutsum2: 452.2

portion of times outcome with min mutsum is same outcome as min mutsum2 0.83

average minimum levels: 18.4 deep

minimum level found on average in solution nr: 4.05

average start cost:22.073500000000003

average runtime: 298.0342374706268 sec

With the slight change to costfunction mut 3. That results in mutation length 13 for the official genome:

Averaged results:

average minimum mutsum: 101.35

average minimum mutsum2: 443.83

portion of times outcome with min mutsum is same outcome as min mutsum2 0.8

average minimum levels: 18.46 deep

minimum level found on average in solution nr: 3.48

average start cost:22.563599999999997

average runtime: 27.335055060386658 sec

Averaged results:

average minimum mutsum: 99.56

average minimum mutsum2: 438.715

portion of times outcome with min mutsum is same outcome as min mutsum2 0.73

average minimum levels: 18.07 deep

minimum level found on average in solution nr: 5.33

average start cost:22.15

average runtime: 57.87879549026489 sec