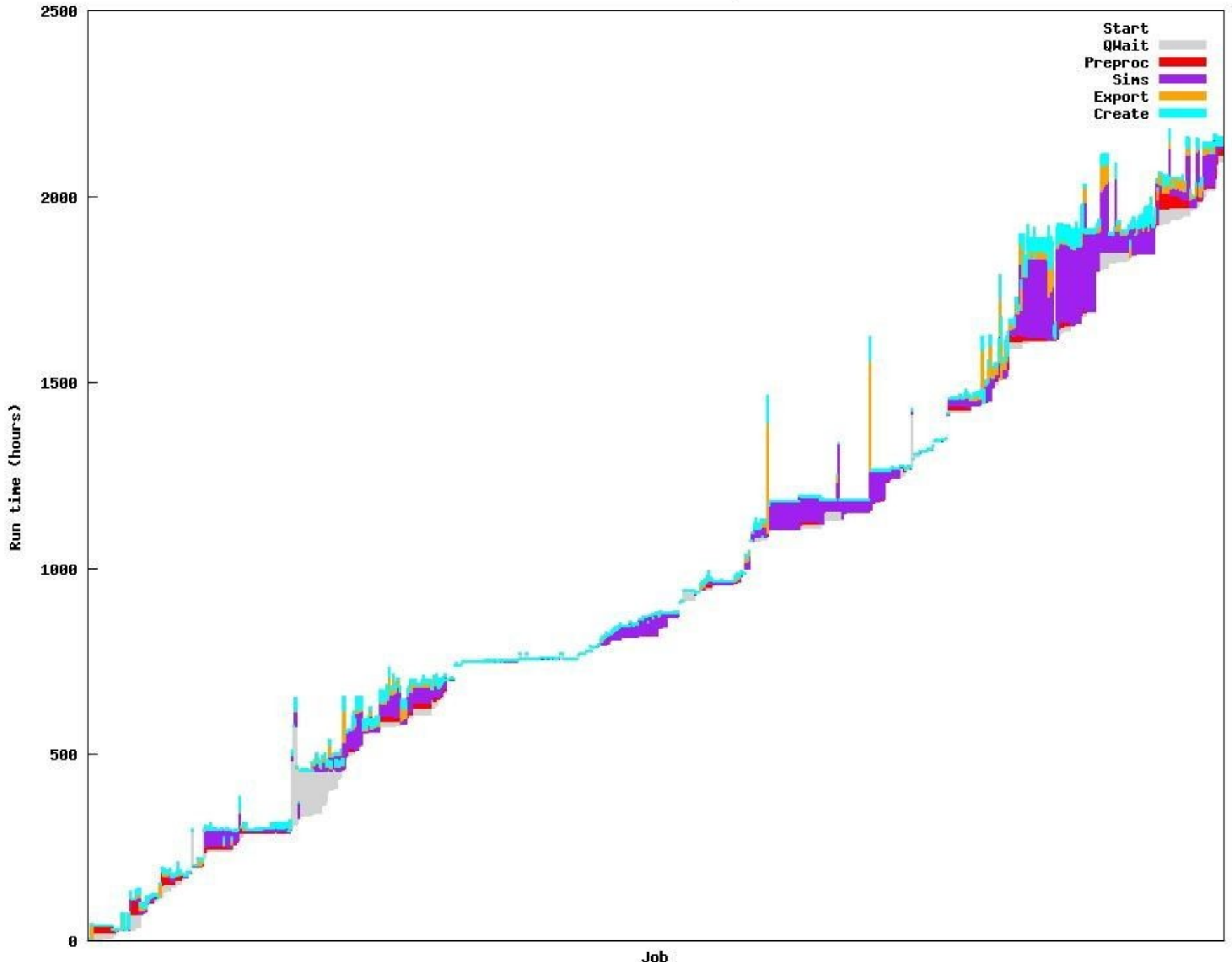
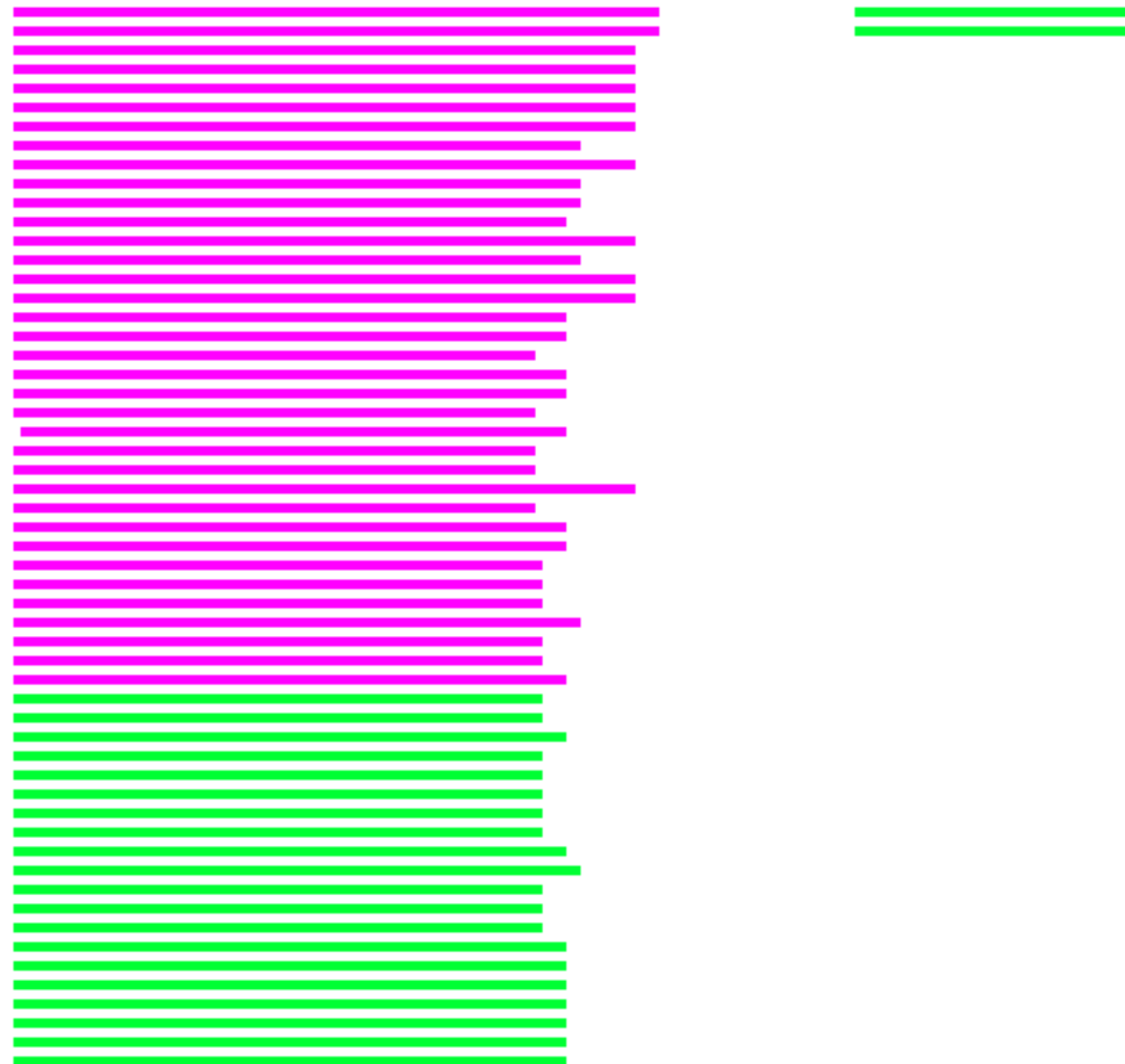
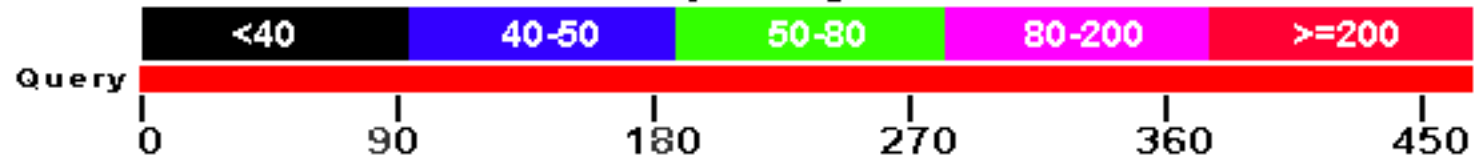


Dirty secrets
of
mg-rast

MG-RAST Job History



Color key for alignment scores



FQ8D8DZ01AWR9I

One hit: xxx07431423 (fig|448385.11.peg.379)

DNA-directed RNA polymerase beta' subunit (EC 2.7.7.6)

RNA polymerase bacterial

FQ8D8DZ02G8RSI has two hits:

xxx02998721 3e-04 “hypothetical protein”

xxx05921978 4e-03 “Fibrinogen-binding
protein”

Fibrinogen-binding protein is in subsystem
“Streptococcus pyogenes virulome”

FQ8D8DZ02GF820

207 hits

Glutamate synthase [NADPH] large chain (EC 1.4.1.13)

- Ammonia assimilation
- Ammonium metabolism *H. pylori*
- Glutamine, Glutamate, Aspartate and Asparagine Biosynthesis
- Iron-sulfur experimental

FQ8D8DZ02GF820 has 250 hits:

<i>Functional role of similar protein</i>	<i>Subsystems that role is in</i>
Branched-chain alpha-keto acid dehydrogenase, E1 component, alpha subunit (EC 1.2.4.4)	Isoleucine degradation Valine degradation
Branched-chain alpha-keto acid dehydrogenase, E1 component, beta subunit (EC 1.2.4.4)	Isoleucine degradation Valine degradation
COG1559 protein YceG like	CBSS-281090.3.peg.464 CBSS-323097.3.peg.2594
Dihydrolipoamide acetyltransferase component (E2) of acetoin dehydrogenase complex (EC 2.3.1.-)	Acetoin, butanediol metabolism Dehydrogenase complexes Lipoic acid metabolism
Dihydrolipoamide acetyltransferase component of pyruvate dehydrogenase complex (EC 2.3.1.12)	Dehydrogenase complexes Lipoic acid metabolism Pyruvate metabolism II: acetyl-CoA, acetogenesis from pyruvate
Dihydrolipoamide acyltransferase component of branched-chain alpha-keto acid dehydrogenase complex (EC 2.3.1.168)	Branched chain amino acid degradation regulons Dehydrogenase complexes Isoleucine degradation Leucine Degradation and HMG-CoA Metabolism Lipoic acid metabolism Valine degradation
Dihydrolipoamide dehydrogenase (EC 1.8.1.4)	Dehydrogenase complexes Glycine cleavage system Leucine Degradation and HMG-CoA Metabolism Photorespiration (oxidative C2 cycle) TCA Cycle
GTP-binding protein HflX	Hfl operon Universal GTPases

Does it matter?

- Compare things that are the same!
- Know which version of the database you used
- Recompute if you are not sure!

BACK!