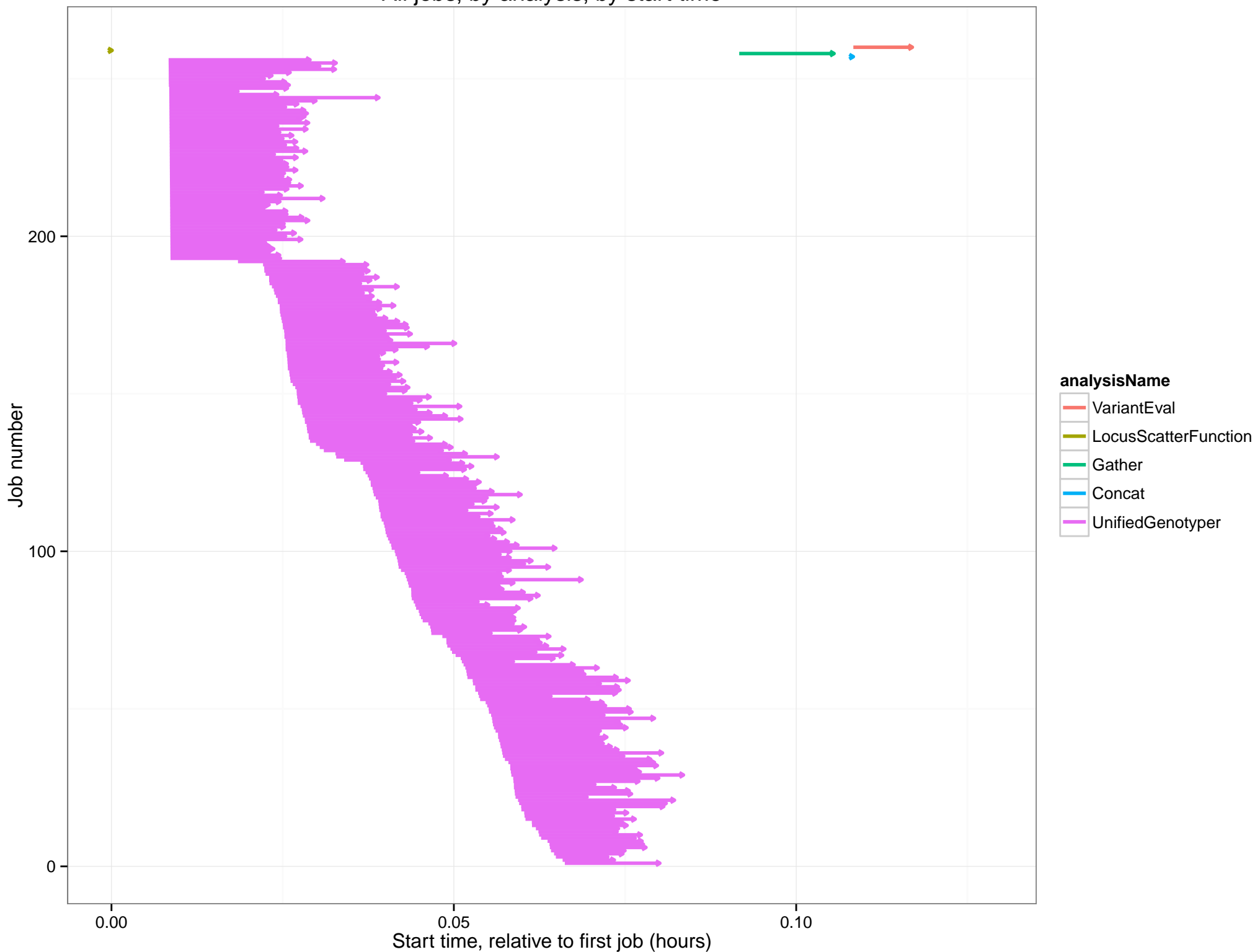
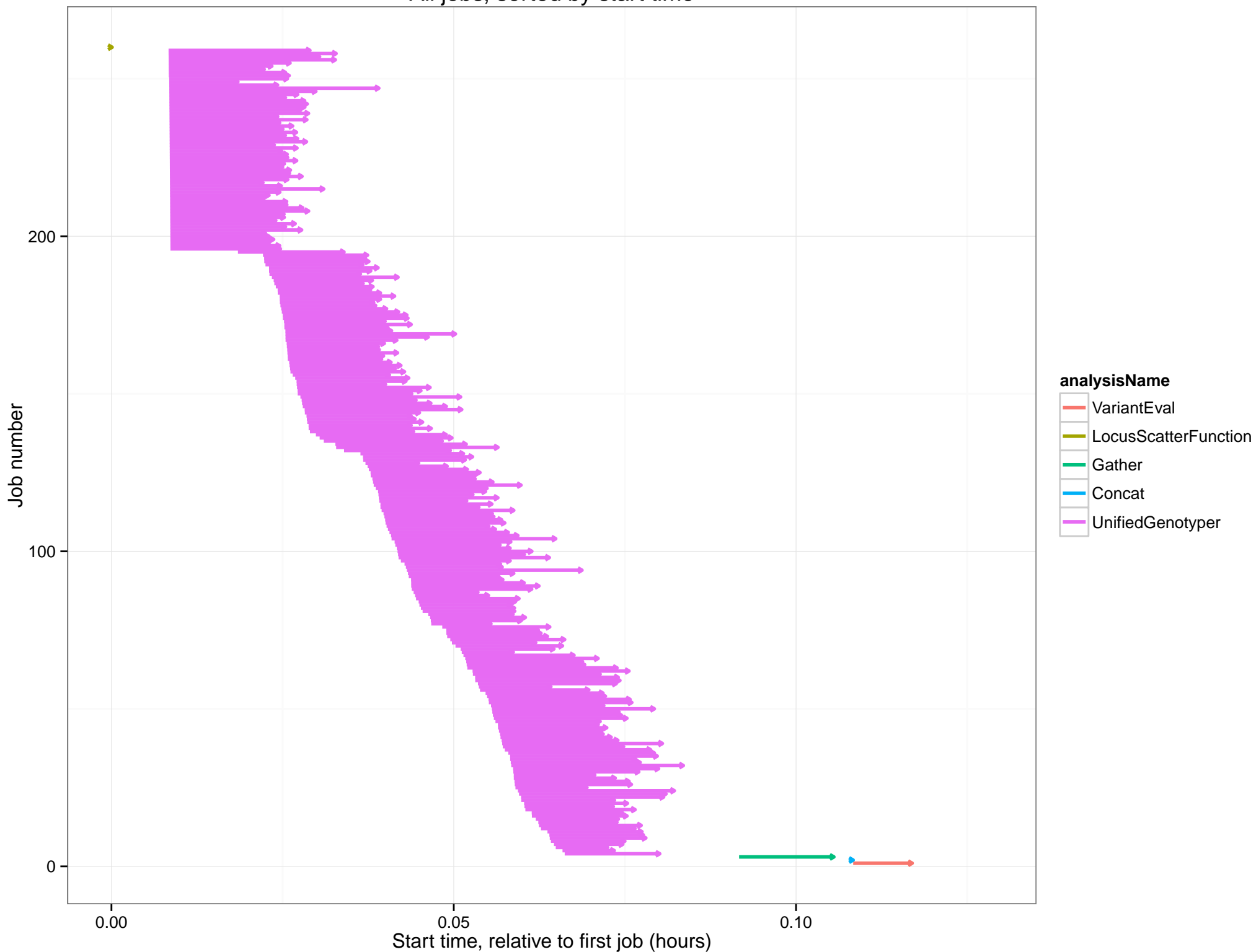


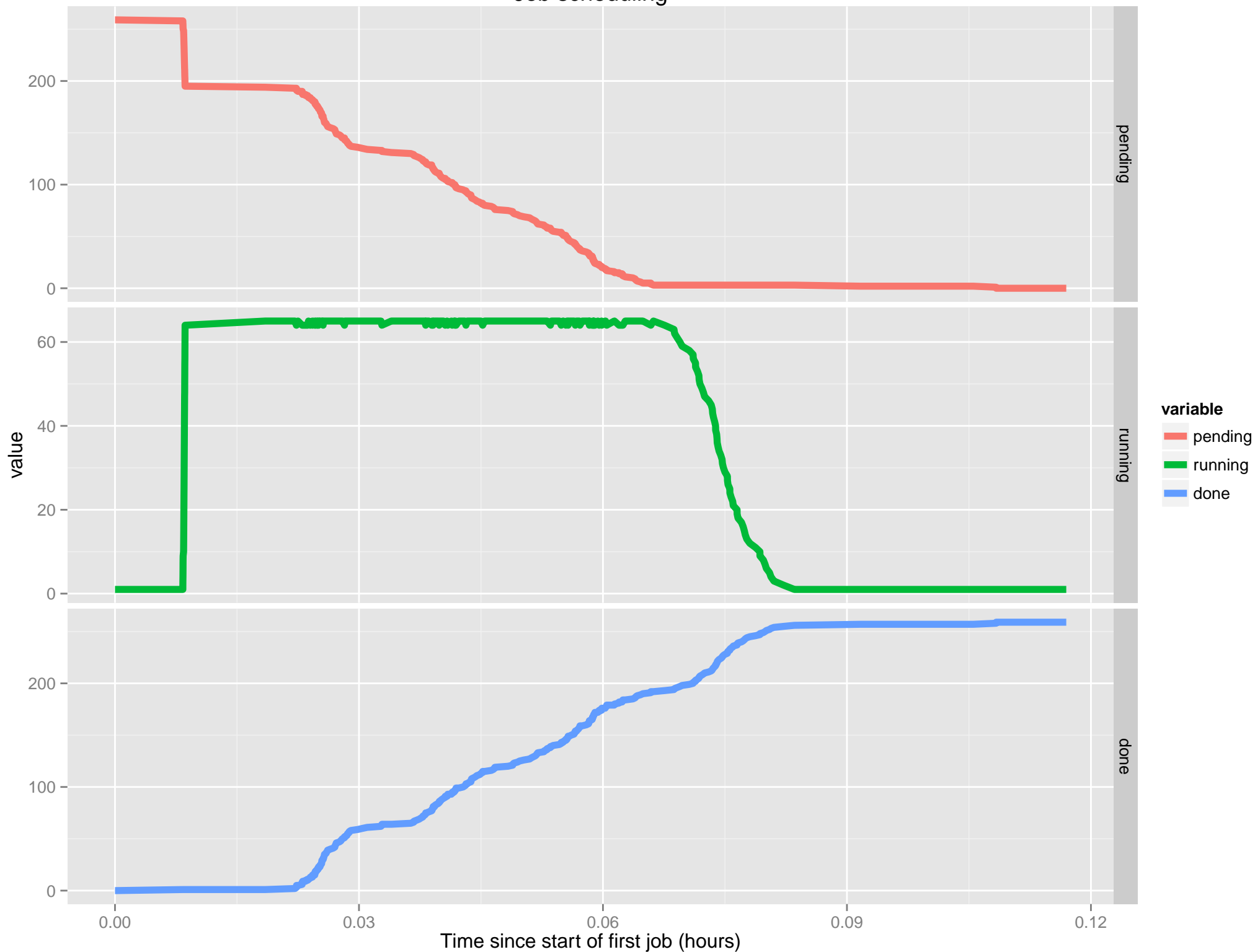
All jobs, by analysis, by start time



All jobs, sorted by start time

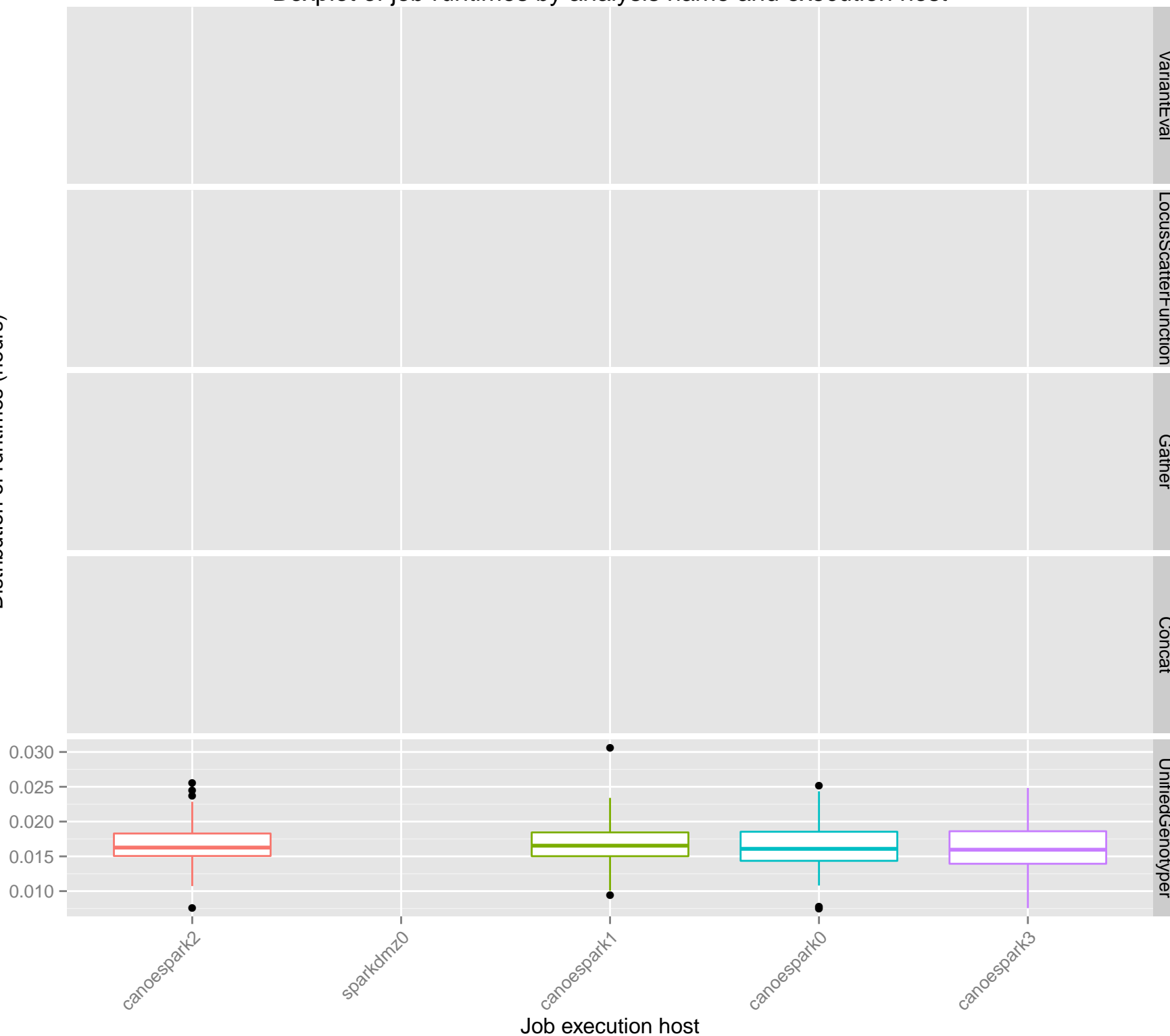


Job scheduling



Boxplot of job runtimes by analysis name and execution host

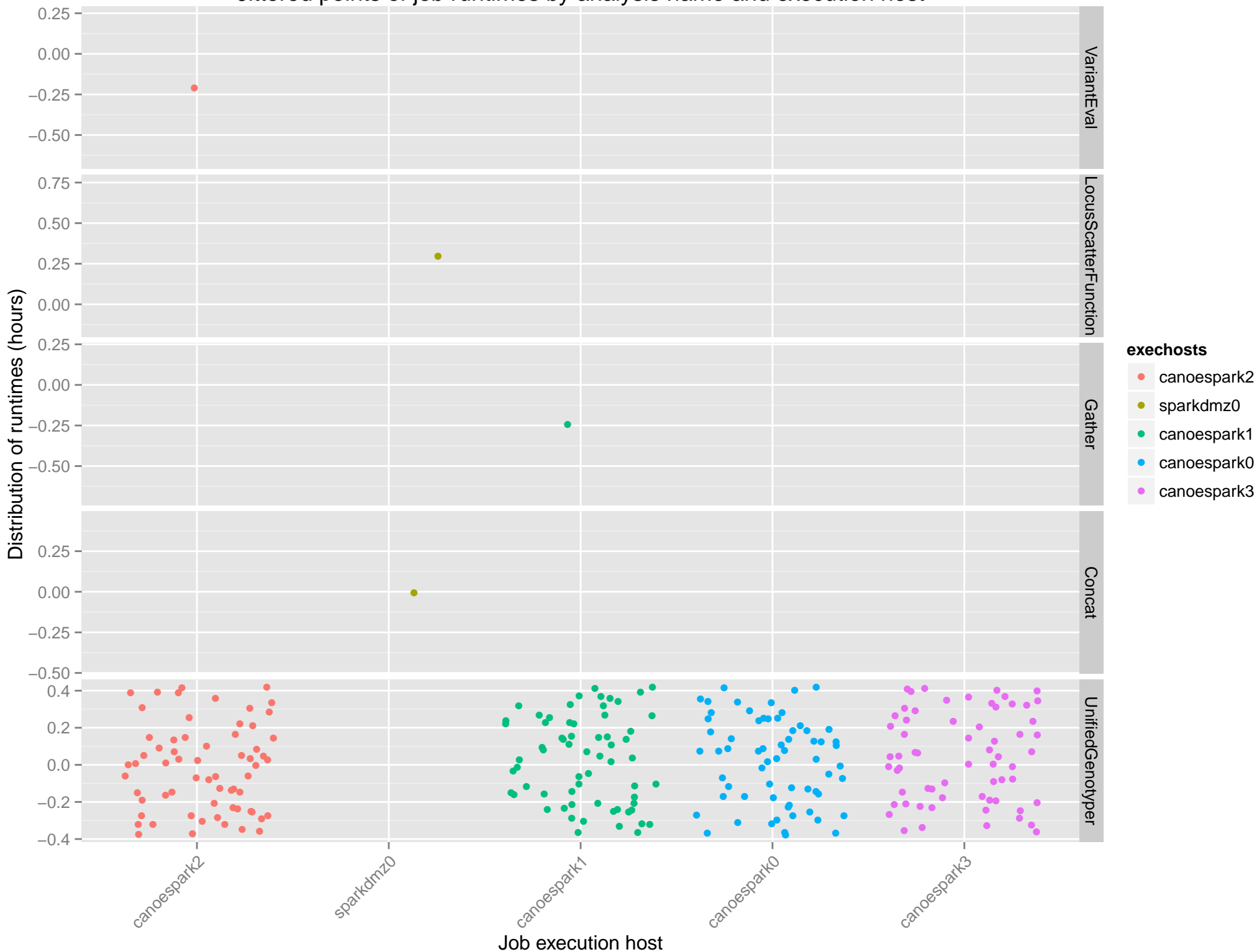
Distribution of runtimes (hours)



exechosts

- ▢ canoespark2
- ▢ canoespark1
- ▢ canoespark0
- ▢ canoespark3

Jittered points of job runtimes by analysis name and execution host



Job summary for VariantEval full itemization

jobName	iteration	runtime
ExampleUnifiedGenotyper-2_1931	1	0.008623056

variable	1
runtime	0.008623056

Job summary for LocusScatterFunction full itemization

	jobName	iteration	runtime
ExampleUnifiedGenotyper	–1–1_2141	1	9.805556e–05

variable	1
runtime	9.805556e-05

Job summary for Gather full itemization

	jobName	iteration	runtime
ExampleUnifiedGenotyper-1-258_1955		1	0.01385083

variable	1
runtime	0.01385083

Job summary for Concat full itemization

	jobName	iteration	runtime
ExampleUnifiedGenotyper-1-259_2102		1	2.777778e-06

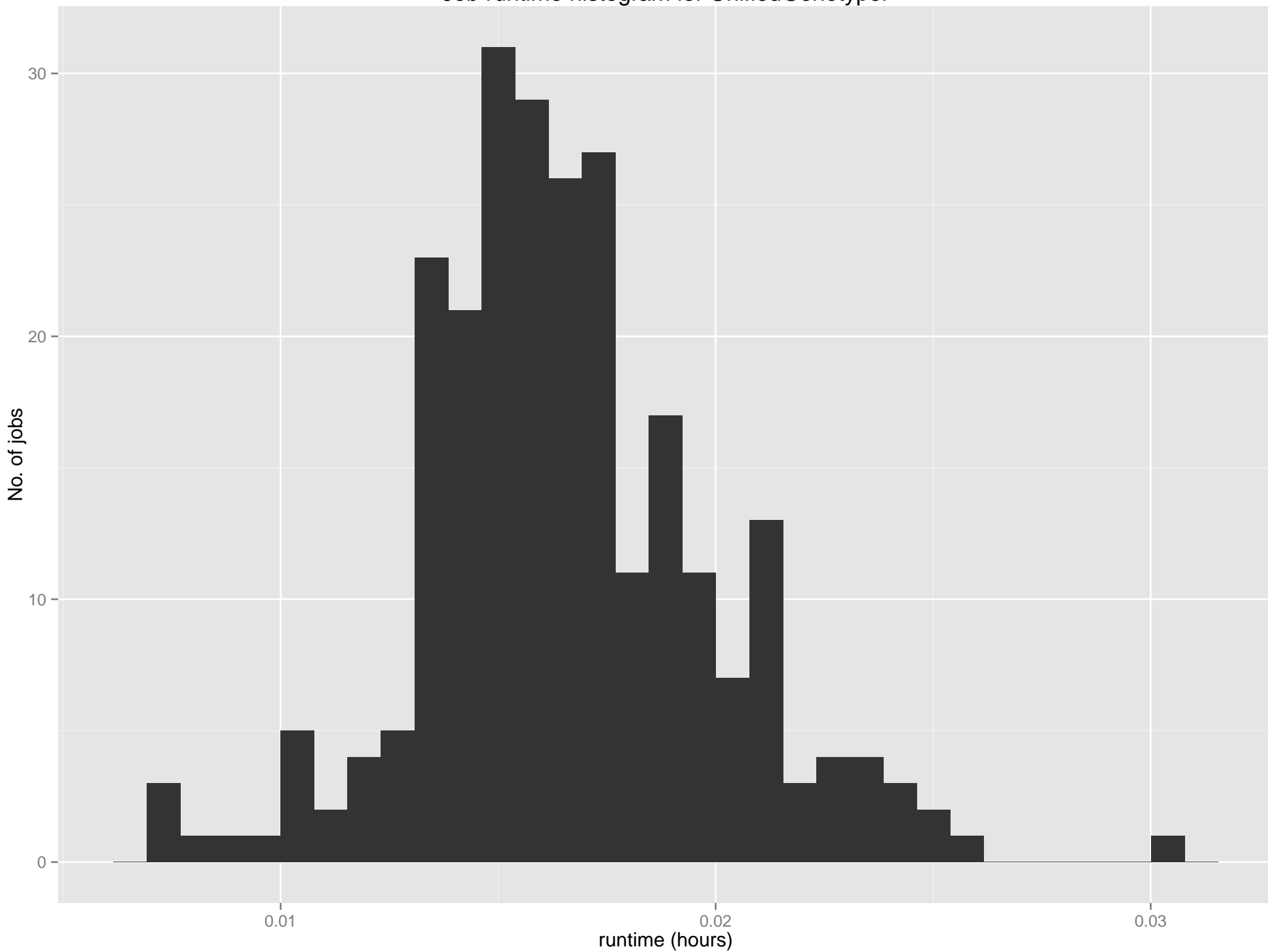
variable	1
runtime	2.777778e-06

Job summary for UnifiedGenotyper full itemization

[illegible][illegible]

variable	1
runtime	0.01658501

Job runtime histogram for UnifiedGenotyper



Job summary for UnifiedGenotyper averaging over all iterations

variable	mean	sd
runtime	0.01658501	0.003374279