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| --- | --- |
| **OrtSuite step** | **Runtime** |
| ORAdb construction and Generation of GPR\_rules | 2h47m |
| Generation of protein ortholog clusters | 54m |
| Functional annotation of sequences in ortholog clusters | 6m |
| Defining putative microbial interactions | 3m |
| Total | 3h50m |

**Table S8.** OrtSuite workflow runtime. The total runtime of each OrtSuite step when analyzing the genomic potential of species in Set\_A\_genomes dataset in three pathways (P1, P2 and P3) for the conversion of benzoate to acetyl-CoA (BTA). Steps were performed with default parameters on a laptop with 4 cores and 16 GB of RAM.