|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Pipeline | Tasks | Mean task time | | Mean execution time | | Execution time  std. deviation | | Slowdown |
| native | docker | native | docker | native | docker |
| RNA-Seq | 9 | 128.5 | 128.7 | 1,156.9 | 1,158.2 | 13.5 | 6.7 | **1.001** |
| Variant call. | 48 | 26.1 | 26.7 | 1,254.0 | 1,283.8 | 4.9 | 2.4 | **1.024** |
| Piper | 98 | 0.6 | 1.0 | 58.5 | 96.5 | 0.6 | 2.6 | **1.650** |

Table 1 – Mean execution times for pipelines and tasks with and without Docker. Time is expressed in minutes. The mean and the standard deviation were estimated from 10 separate runs. Slowdown represents the ratio of the mean execution time with Docker to the mean execution time when Docker was not used.