fetchngs

**Table XX: Number of testcases in the nf-core/fetchngs pipeline.** Each of the 17 components has at least one testcase. Total testcases 50. Total Execution time: 1121.98 sec.

|  | | | **Execution Time** | |
| --- | --- | --- | --- | --- |
|  | **Tests suites** | **Tests cases** | **Mean (sec)** | **Total (sec)** |
| FunctionTestSuite | 3 | 14 | 2.6 | 36.5 |
| PipelineTestSuite | 1 | 1 | 512.1 | 512.1 |
| ProcessTestSuite | 10 | 13 | 11.2 | 145.7 |
| WorkflowTestSuite | 15 | 22 | 19.4 | 427.8 |
| Total | 29 | 50 | 545.3 | 1122.0 |

**Table XX: Time and resource saving for different modifications of the nf-core/fetchngs.** We simulated different typical modifications and measured the execution time using nf-tests optimization strategy.

|  | | **Execution Time** | | |
| --- | --- | --- | --- | --- |
| **Modification** | **Tests cases** | **Mean (sec)** | **Total (sec)** | **Saving** |
| a | b | c | d | e |
| changed module sra\_to\_samplesheet | 10 | 22.3 | 222.5 | 80.2% |
| changed modules sra\_to\_samplesheet multiqc\_mappings\_config | 11 | 52.7 | 579.4 | 48.4% |
| update of a nf-core module: utils\_nfcore\_pipeline | 23 | 14.4 | 332.1 | 70.4% |
| changed main workflow main.nf` | 1 | 596.3 | 596.3 | 46.8% |