

ACTFusion V5 pipeline execution log

Bioinformatics Development

Sandy

2025.03.28+

Arriba test v0.1

- 300x IVTRNA

```
sandyteng@tp-rdl77:/mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow_outdir/20250328_ACTFusion_v4_81-IVTRNA-240906-300x_v0.1_arriba_test$ ls -al
total 8
drwxrwxr-x 2 sandyteng sandyteng 4096 Mar 28 11:14 .
drwxrwxr-x 7 sandyteng sandyteng 4096 Mar 28 11:14 ..
sandyteng@tp-rdl77:/mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow_outdir/20250328_ACTFusion_v4_81-IVTRNA-240906-300x_v0.1_arriba_test$ nextflow run /mnt/RD_Develop/sandyteng/nextflow_docker_arriba.nf \
-params-file /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/testdata/81-IVT-RNA.seq.240906-300x/ACTFusion_v4_81-IVTRNA-240906-300x_v0.1_arriba_test.json \
-c /mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/dockerconfigs/arriba_localdocker.config
Nextflow 24.10.5 is available - Please consider updating your version to it

NEXTFLOW ~ version 24.04.4

Launching ` /mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/Workflow_docker_arriba.nf ` [drunk_colden] DSL2 - revision: 6210b41435

executor > local (4)
[84/a48327] process > SampleInfo (ACTFusion_v4_81-IVTRNA-240906-300x_R1.fastq.gz ACTFusion_v4_81-IVTRNA-240906-300x_R2.fastq.gz) [100%] 1 of 1 ✓
[e4/182d1a] process > Fusion:STAR_ALIGN (ACTFusion_v4_81-IVTRNA-240906-300x ACTFusion_v4_81-IVTRNA-240906-300x_R1.fastq.gz) [100%] 1 of 1 ✓
[9d/884e3c] process > Fusion:ARRIBA_CALL (ACTFusion_v4_81-IVTRNA-240906-300x) [100%] 1 of 1 ✓
[86/d3fab9] process > Fusion:SORT_INDEX_BAM (ACTFusion_v4_81-IVTRNA-240906-300x) [100%] 1 of 1 ✓
Completed at: 28-Mar-2025 11:24:30
Duration : 6m 17s
CPU hours : 0.2
Succeeded : 4
```

```
nextflow run /mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/Workflow_docker_arriba.nf \
-params-file /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/testdata/81-IVT-RNA.seq.240906-300x/ACTFusion_v4_81-IVTRNA-240906-300x_v0.1_arriba_test.json \
-c /mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/dockerconfigs/arriba_localdocker.config
```

Fusionv4 test v0.1

- 300x IVTRNA

```
sandyteng@tp-rdl77:/mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow_outdir/20250328_ACTFusion_v4_81-IVTRNA-240906-300x_v0.1_fusionv4_test$ ls -al
total 8
drwxrwxr-x 2 sandyteng sandyteng 4096 Mar 28 11:44 .
drwxrwxr-x 8 sandyteng sandyteng 4096 Mar 28 11:44 ..
sandyteng@tp-rdl77:/mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow_outdir/20250328_ACTFusion_v4_81-IVTRNA-240906-300x_v0.1_fusionv4_test$ nextflow run /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow_outdir/20250328_ACTFusion_v4_81-IVTRNA-240906-300x_v0.1_fusionv4_test \
-params-file /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/testdata/81-IVT-RNA.seq.240906-300x/ACTFusion_v4_81-IVTRNA-240906-300x_v0.1_fusionv4_test.json \
-c /mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/dockerconfigs/fusion_multi_localdocker.v9.20241125.v0.23.0.config
Nextflow 24.10.5 is available - Please consider updating your version to it

NEXTFLOW ~ version 24.04.4

Launching `/mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/Workflow_docker_illumina.nf` [sleepy_euler] DSL2 - revision: ecbd2c7c06

executor > local (8)
[5f/7b319b] process > SampleInfo (ACTFusion_v4_81-IVTRNA-240906-300x_R1.fastq.gz ACTFusion_v4_81-IVTRNA-240906-300x_R2.fastq.gz) [100%] 1 of 1 ✓
[1f/f52075] process > Fusion:mergefastq (ACTFusion_v4_81-IVTRNA-240906-300x ACTFusion_v4_81-IVTRNA-240906-300x_R1.fastq.gz) [100%] 1 of 1 ✓
[22/bf03eb] process > Fusion:trimadap (ACTFusion_v4_81-IVTRNA-240906-300x ACTFusion_v4_81-IVTRNA-240906-300x.fastp.zcatted.merged.fastq.gz) [100%] 1 of 1 ✓
[be/bb5093] process > Fusion:fastp (ACTFusion_v4_81-IVTRNA-240906-300x ACTFusion_v4_81-IVTRNA-240906-300x.fastp.zcatted.merged___.trimadap.fq.gz) [100%] 1 of 1 ✓
[23/0656c8] process > Fusion:bwa_isoform (ACTFusion_v4_81-IVTRNA-240906-300x ACTFusion_v4_81-IVTRNA-240906-300x.clean.fq.gz) [100%] 1 of 1 ✓
[bd/cec344] process > Fusion:bwa_se (ACTFusion_v4_81-IVTRNA-240906-300x ACTFusion_v4_81-IVTRNA-240906-300x.isofilered.fq.gz) [100%] 1 of 1 ✓
[44/a39ea0] process > Fusion:bwa_fusioncalling (ACTFusion_v4_81-IVTRNA-240906-300x) [100%] 1 of 1 ✓
[d3/df434c] process > Fusion:fuscall2QC_illumina (ACTFusion_v4_81-IVTRNA-240906-300x) [100%] 1 of 1 ✓
Completed at: 28-Mar-2025 12:00:56
Duration : 15m 26s
CPU hours : 0.5
Succeeded : 8
```

```
nextflow run /mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/Workflow_docker_illumina.nf \
-params-file /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/testdata/81-IVT-RNA.seq.240906-300x/ACTFusion_v4_81-IVTRNA-240906-300x_v0.1_fusionv4_test.json \
-c /mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/dockerconfigs/fusion_multi_localdocker.v9.20241125.v0.23.0.config
```

Fusionv4 test v0.1 (config test: MANE v0.95 → v1.4)

- 300x IVTRNA

```
sandyteng@tp-rdl77:/mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow_outdir/20250414_ACTFusion_v4_81-IVTRNA-240906-300x_v0.1_fusionv4_MANE_v1.4_config_test$ ls -al
total 8
drwxrwxr-x 2 sandyteng sandyteng 4096 Apr 14 15:12 .
drwxrwxr-x 9 sandyteng sandyteng 4096 Apr 14 15:12 ..
sandyteng@tp-rdl77:/mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow_outdir/20250414_ACTFusion_v4_81-IVTRNA-240906-300x_v0.1_fusionv4_MANE_v1.4_config_test$ nextflow run /mnt/RD_Develop/nextflow/Workflow_docker_illumina.nf \
-params-file /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/repo_code_v1.4_dbtest_0414.2025/params/ACTFusion_v4_81-IVTRNA-240906-300x_v0.1_fusionv4_MANE_v1.4_test.json \
-c /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/repo_code_v1.4_dbtest_0414.2025/dockerconfigs/fusion_multi_localdocker.v9.20241125.v0.23.0_v1.4.MANE.transcriptome.config
Nextflow 24.10.5 is available - Please consider updating your version to it

NEXTFLOW ~ version 24.04.4

Launching `/mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/Workflow_docker_illumina.nf` [modest_venter] DSL2 - revision: ecbd2c7c06

executor > local (8)
[39/989f3e] process > SampleInfo (ACTFusion_v4_81-IVTRNA-240906-300x_R1.fastq.gz ACTFusion_v4_81-IVTRNA-240906-300x_R2.fastq.gz) [100%] 1 of 1 ✓
[26/4be765] process > Fusion:mergefastq (ACTFusion_v4_81-IVTRNA-240906-300x ACTFusion_v4_81-IVTRNA-240906-300x_R1.fastq.gz) [100%] 1 of 1 ✓
[d0/c29fb0] process > Fusion:trimadap (ACTFusion_v4_81-IVTRNA-240906-300x ACTFusion_v4_81-IVTRNA-240906-300x.fastp.zcatted.merged.fastq.gz) [100%] 1 of 1 ✓
[69/15f2ce] process > Fusion:fastp (ACTFusion_v4_81-IVTRNA-240906-300x ACTFusion_v4_81-IVTRNA-240906-300x.fastp.zcatted.merged__trimadap.fq.gz) [100%] 1 of 1 ✓
[8a/965030] process > Fusion:bwa_isoform (ACTFusion_v4_81-IVTRNA-240906-300x ACTFusion_v4_81-IVTRNA-240906-300x.clean.fq.gz) [100%] 1 of 1 ✓
[2c/cl532c] process > Fusion:bwa_se (ACTFusion_v4_81-IVTRNA-240906-300x ACTFusion_v4_81-IVTRNA-240906-300x.isofilered.fq.gz) [100%] 1 of 1 ✓
[aa/fc331a] process > Fusion:bwa_fusioncalling (ACTFusion_v4_81-IVTRNA-240906-300x) [100%] 1 of 1 ✓
[6f/680b36] process > Fusion:fuscall2QC_illumina (ACTFusion_v4_81-IVTRNA-240906-300x) [100%] 1 of 1 ✓
Completed at: 14-Apr-2025 15:20:22
Duration : 5m 26s
CPU hours : 0.2
Succeeded : 8
```

```
nextflow run /mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/Workflow_docker_illumina.nf \
-params-file /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/repo_code_v1.4_dbtest_0414.2025/params/ACTFusion_v4_81-IVTRNA-240906-300x_v0.1_fusionv4_MANE_v1.4_test.json \
-c /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/repo_code_v1.4_dbtest_0414.2025/dockerconfigs/fusion_multi_localdocker.v9.20241125.v0.23.0_v1.4.MANE.transcriptome.config
```

Fusionv4 test v0.1 (config test: MANE v0.95 → v1.4)

- 300x IVTRNA

```
sandyteng@tp-rdl77:/mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow_outdir/20250416_ACTFusion_v4_81-IVTRNA-240906-300x_v0.1_fusionv4_MANE_v1.4_config_testv1$ nextflow run /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow_outdir/20250416_ACTFusion_v4_81-IVTRNA-240906-300x_v0.1_fusionv4_MANE_v1.4_config_testv1
pipeline_nextflow/Workflow_docker_illumina.nf \
-params-file /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/repo_code_v1.4_dbtest_0414.2025/params/ACTFusion_v4_81-IVTRNA-240906-300x_v0.1_fusionv4_MANE_v1.4_testv1.json \
-c /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/repo_code_v1.4_dbtest_0414.2025/dockerconfigs/fusion_multi_localdocker.v9.20241125.v0.23.0_v1.4.MANE.transcriptome.v1.config
Nextflow 24.10.5 is available - Please consider updating your version to it

NEXTFLOW ~ version 24.04.4

Launching '/mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/Workflow_docker_illumina.nf' [cranky_jang] DSL2 - revision: ecbd2c7c06

executor > local (8)
[32/c3c7e4] process > SampleInfo (ACTFusion_v4_81-IVTRNA-240906-300x_R1.fastq.gz ACTFusion_v4_81-IVTRNA-240906-300x_R2.fastq.gz) [100%] 1 of 1 ✓
[3c/76ff2d] process > Fusion:mergefastq (ACTFusion_v4_81-IVTRNA-240906-300x ACTFusion_v4_81-IVTRNA-240906-300x_R1.fastq.gz) [100%] 1 of 1 ✓
[f0/09634f] process > Fusion:trimadap (ACTFusion_v4_81-IVTRNA-240906-300x ACTFusion_v4_81-IVTRNA-240906-300x.fastp.zcatted.merged.fastq.gz) [100%] 1 of 1 ✓
[eb/c0db8e] process > Fusion:fastp (ACTFusion_v4_81-IVTRNA-240906-300x ACTFusion_v4_81-IVTRNA-240906-300x.fastp.zcatted.merged__trimadap.fq.gz) [100%] 1 of 1 ✓
[7a/0c26d0] process > Fusion:bwa_isoform (ACTFusion_v4_81-IVTRNA-240906-300x ACTFusion_v4_81-IVTRNA-240906-300x.clean.fq.gz) [100%] 1 of 1 ✓
[6c/a6164e] process > Fusion:bwa_se (ACTFusion_v4_81-IVTRNA-240906-300x ACTFusion_v4_81-IVTRNA-240906-300x.isofilered.fq.gz) [100%] 1 of 1 ✓
[d0/d22d3e] process > Fusion:bwa_fusioncalling (ACTFusion_v4_81-IVTRNA-240906-300x) [100%] 1 of 1 ✓
[3c/f13c16] process > Fusion:fuscall2QC_illumina (ACTFusion_v4_81-IVTRNA-240906-300x) [100%] 1 of 1 ✓
Completed at: 16-Apr-2025 16:07:27
Duration : 5m 26s
CPU hours : 0.2
Succeeded : 8
```

```
nextflow run /mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/Workflow_docker_illumina.nf \
-params-file /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/repo_code_v1.4_dbtest_0414.2025/params/ACTFusion_v4_81-IVTRNA-240906-300x_v0.1_fusionv4_MANE_v1.4_testv1.json \
-c /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/repo_code_v1.4_dbtest_0414.2025/dockerconfigs/fusion_multi_localdocker.v9.20241125.v0.23.0_v1.4.MANE.transcriptome.v1.config
```

Fusionv4 test v0.1 (config test: MANE v0.95 → v1.4)

- 300x IVTRNA

```
sandyteng@tp-rdl77:/mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow_outdir/20250418_ACTFusion_v4_81-IVTRNA-240906-300x_v0.1_fusionv4_MANE_v1.4_config_testv2$ ls -al
total 8
drwxrwxr-x  2 sandyteng sandyteng 4096 Apr 21 13:45 .
drwxrwxr-x 12 sandyteng sandyteng 4096 Apr 21 13:45 ..
sandyteng@tp-rdl77:/mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow_outdir/20250418_ACTFusion_v4_81-IVTRNA-240906-300x_v0.1_fusionv4_MANE_v1.4_config_testv2$ nextflow run /mnt/RD
pipeline_nextflow/Workflow_docker_illumina.nf \
-params-file /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/repo_code_v1.4_dbtest_0414.2025/params/ACTFusion_v4_81-IVTRNA-240906-300x_v0.1_fusionv4_MANE_v1.4_testv2.json \
-c /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/repo_code_v1.4_dbtest_0414.2025/dockerconfigs/fusion_multi_localdocker.v9.20241125.v0.23.0_v1.4.MANE.transcriptome.v2.config
Nextflow 24.10.5 is available - Please consider updating your version to it

NEXTFLOW ~ version 24.04.4

Launching `'/mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/Workflow_docker_illumina.nf'` [intergalactic_bell] DSL2 - revision: ecbd2c7c06

executor > local (8)
[46/eb613b] process > SampleInfo (ACTFusion_v4_81-IVTRNA-240906-300x_R1.fastq.gz ACTFusion_v4_81-IVTRNA-240906-300x_R2.fastq.gz) [100%] 1 of 1 ✓
[1a/5e94f9] process > Fusion:mergefastq (ACTFusion_v4_81-IVTRNA-240906-300x ACTFusion_v4_81-IVTRNA-240906-300x_R1.fastq.gz) [100%] 1 of 1 ✓
[75/5f88e7] process > Fusion:trimadap (ACTFusion_v4_81-IVTRNA-240906-300x ACTFusion_v4_81-IVTRNA-240906-300x.fastp.zcatted.merged.fastq.gz) [100%] 1 of 1 ✓
[b3/275b92] process > Fusion:fastp (ACTFusion_v4_81-IVTRNA-240906-300x ACTFusion_v4_81-IVTRNA-240906-300x.fastp.zcatted.merged___.trimadap.fq.gz) [100%] 1 of 1 ✓
[ba/277680] process > Fusion:bwa_isoform (ACTFusion_v4_81-IVTRNA-240906-300x ACTFusion_v4_81-IVTRNA-240906-300x.clean.fq.gz) [100%] 1 of 1 ✓
[d3/41c2ed] process > Fusion:bwa_se (ACTFusion_v4_81-IVTRNA-240906-300x ACTFusion_v4_81-IVTRNA-240906-300x.isofilered.fq.gz) [100%] 1 of 1 ✓
[2d/00c39e] process > Fusion:bwa_fusioncalling (ACTFusion_v4_81-IVTRNA-240906-300x) [100%] 1 of 1 ✓
[62/lc0a29] process > Fusion:fuscall2QC_illumina (ACTFusion_v4_81-IVTRNA-240906-300x) [100%] 1 of 1 ✓
Completed at: 21-Apr-2025 14:00:42
Duration    : 14m 35s
CPU hours   : 0.5
Succeeded   : 8
```

```
nextflow run /mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/Workflow_docker_illumina.nf \
-params-file /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/repo_code_v1.4_dbtest_0414.2025/params/ACTFusion_v4_81-IVTRNA-240906-300x_v0.1_fusionv4_MANE_v1.4_testv2.json \
-c /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/repo_code_v1.4_dbtest_0414.2025/dockerconfigs/fusion_multi_localdocker.v9.20241125.v0.23.0_v1.4.MANE.transcriptome.v2.config
```


Fusionv4 test v0.1 (config test: MANE v0.95 → v1.4)

- 300x IVTRNA

```
sandyteng@tp-rdl77:/mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow_outdir/20250421_ACTFusion_v4_81-IVTRNA-240906-300x_v0.1_fusionv4_MANE_v1.4_config_testv3$ ls -al
total 8
drwxrwxr-x  2 sandyteng sandyteng 4096 Apr 21 13:42 .
drwxrwxr-x 12 sandyteng sandyteng 4096 Apr 21 13:42 ..
sandyteng@tp-rdl77:/mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow_outdir/20250421_ACTFusion_v4_81-IVTRNA-240906-300x_v0.1_fusionv4_MANE_v1.4_config_testv3$ nextflow run /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/Workflow_docker_illumina.nf \
-pipeline_nextflow/Workflow_docker_illumina.nf \
-params-file /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/repo_code_v1.4_dbtest_0414.2025/params/ACTFusion_v4_81-IVTRNA-240906-300x_v0.1_fusionv4_MANE_v1.4_testv3.json \
-c /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/repo_code_v1.4_dbtest_0414.2025/dockerconfigs/fusion_multi_localdocker.v9.20241125.v0.23.0_v1.4.MANE.transcriptome.v3.config
Nextflow 24.10.5 is available - Please consider updating your version to it

NEXTFLOW ~ version 24.04.4

Launching `/mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/Workflow_docker_illumina.nf` [drunk_mestorf] DSL2 - revision: ecbd2c7c06

executor > local (8)
[7c/55b3d6] process > SampleInfo (ACTFusion_v4_81-IVTRNA-240906-300x_R1.fastq.gz ACTFusion_v4_81-IVTRNA-240906-300x_R2.fastq.gz) [100%] 1 of 1 ✓
[78/d38aac] process > Fusion:mergefastq (ACTFusion_v4_81-IVTRNA-240906-300x ACTFusion_v4_81-IVTRNA-240906-300x_R1.fastq.gz) [100%] 1 of 1 ✓
[60/dfe9db] process > Fusion:trimadap (ACTFusion_v4_81-IVTRNA-240906-300x ACTFusion_v4_81-IVTRNA-240906-300x.fastp.zcatted.merged.fastq.gz) [100%] 1 of 1 ✓
[ce/6be70d] process > Fusion:fastp (ACTFusion_v4_81-IVTRNA-240906-300x ACTFusion_v4_81-IVTRNA-240906-300x.fastp.zcatted.merged__trimadap.fq.gz) [100%] 1 of 1 ✓
[c1/7dlb6a] process > Fusion:bwa_isoform (ACTFusion_v4_81-IVTRNA-240906-300x ACTFusion_v4_81-IVTRNA-240906-300x.clean.fq.gz) [100%] 1 of 1 ✓
[2c/46ccc4l] process > Fusion:bwa_se (ACTFusion_v4_81-IVTRNA-240906-300x ACTFusion_v4_81-IVTRNA-240906-300x.isofilered.fq.gz) [100%] 1 of 1 ✓
[7d/ec653l] process > Fusion:bwa_fusioncalling (ACTFusion_v4_81-IVTRNA-240906-300x) [100%] 1 of 1 ✓
[b3/f4af20] process > Fusion:fuscall2QC_illumina (ACTFusion_v4_81-IVTRNA-240906-300x) [100%] 1 of 1 ✓
Completed at: 21-Apr-2025 13:58:37
Duration : 16m 7s
CPU hours : 0.5
Succeeded : 8
```

```
nextflow run /mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/Workflow_docker_illumina.nf \
-params-file /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/repo_code_v1.4_dbtest_0414.2025/params/ACTFusion_v4_81-IVTRNA-240906-300x_v0.1_fusionv4_MANE_v1.4_testv3.json \
-c /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/repo_code_v1.4_dbtest_0414.2025/dockerconfigs/fusion_multi_localdocker.v9.20241125.v0.23.0_v1.4.MANE.transcriptome.v3.config
```

Fusionv4 test v0.1 (config test: MANE v0.95 → v1.4)

- syn_exonskipping_seq-2-exons (63-9 = 53 reads), in-silico data for whitelist building (db-v3.1 preparation step 11)

```
sandyteng@tp-rdl77:/mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow_outdir/20250423_syn_exonskipping_seq-2-exons_v0.1_fusionv4_MANE_v1.4_config_testv3$ ls -al
total 8
drwxrwxr-x  2 sandyteng sandyteng 4096 Apr 23 10:03 .
drwxrwxr-x 13 sandyteng sandyteng 4096 Apr 23 10:03 ..
sandyteng@tp-rdl77:/mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow_outdir/20250423_syn_exonskipping_seq-2-exons_v0.1_fusionv4_MANE_v1.4_config_testv3$ nextflow run /mnt/RD_Develop/
ne_nextflow/Workflow_docker_illumina.nf \
-params-file /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/testdata/syn_exonskipping_seq-2-exons/syn_exonskipping_seq-2-exons_fusionv4_MANE_v1.4.json \
-c /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/repo_code_v1.4_dbtest_0414.2025/dockerconfigs/fusion_multi_localdocker.v9.20241125.v0.23.0_v1.4.MANE.transcriptome.v3.config
Nextflow 24.10.5 is available - Please consider updating your version to it

NEXTFLOW ~ version 24.04.4

Launching `'/mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/Workflow_docker_illumina.nf` [awesome_heisenberg] DSL2 - revision: ecbd2c7c06

executor > local (8)
[9d/bbdae4] process > SampleInfo (splicingvariants.shifted.2.exons.v1.4.fastq.gz splicingvariants.shifted.2.exons.v1.4.R2.fastq.gz) [100%] 1 of 1 ✓
[dc/cc7403] process > Fusion:mergefastq (syn_exonskipping_seq-2-exons splicingvariants.shifted.2.exons.v1.4.fastq.gz) [100%] 1 of 1 ✓
[24/cc0cb4] process > Fusion:trimadap (syn_exonskipping_seq-2-exons syn_exonskipping_seq-2-exons.fastp.zcatted.merged.fastq.gz) [100%] 1 of 1 ✓
[01/7f9c9c] process > Fusion:fastp (syn_exonskipping_seq-2-exons syn_exonskipping_seq-2-exons.fastp.zcatted.merged__trimadap.fq.gz) [100%] 1 of 1 ✓
[ee/347646] process > Fusion:bwa_isoform (syn_exonskipping_seq-2-exons syn_exonskipping_seq-2-exons.clean.fq.gz) [100%] 1 of 1 ✓
[7f/745e95] process > Fusion:bwa_se (syn_exonskipping_seq-2-exons syn_exonskipping_seq-2-exons.isofiltered.fq.gz) [100%] 1 of 1 ✓
[a2/c6d99d] process > Fusion:bwa_fusioncalling (syn_exonskipping_seq-2-exons) [100%] 1 of 1 ✓
[26/f62a33] process > Fusion:fuscall2QC_illumina (syn_exonskipping_seq-2-exons) [100%] 1 of 1 ✓
```

```
nextflow run /mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/Workflow_docker_illumina.nf \
-params-file /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/testdata/syn_exonskipping_seq-2-exons/syn_exonskipping_seq-2-exons_fusionv4_MANE_v1.4.json \
-c /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/repo_code_v1.4_dbtest_0414.2025/dockerconfigs/fusion_multi_localdocker.v9.20241125.v0.23.0_v1.4.MANE.transcriptome.v3.config
```


Fusionv4 test v0.1 (config test: MANE v0.95 → v1.4)

- 300x IVTRNA

```
sandyteng@tp-rdl77:/mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow_outdir/20250423_ACTFusion_v4_81-IVTRNA-240906-300x_v0.1_fusionv4_MANE_v1.4_config_testv3-l$ ls -al
total 8
drwxrwxr-x  2 sandyteng sandyteng 4096 Apr 23 11:52 .
drwxrwxr-x 14 sandyteng sandyteng 4096 Apr 23 11:52 ..
sandyteng@tp-rdl77:/mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow_outdir/20250423_ACTFusion_v4_81-IVTRNA-240906-300x_v0.1_fusionv4_MANE_v1.4_config_testv3-l$ nextflow run /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/Workflow_docker_illumina.nf \
-params-file /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/repo_code_v1.4_dbtest_0414.2025/params/ACTFusion_v4_81-IVTRNA-240906-300x_v0.1_fusionv4_MANE_v1.4_testv3-1.json \
-c /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/repo_code_v1.4_dbtest_0414.2025/dockerconfigs/fusion_multi_localdocker.v9.20241125.v0.23.0_v1.4.MANE.transcriptome.v3-1.config

Nextflow 24.10.5 is available - Please consider updating your version to it

 N E X T F L O W  ~  version 24.04.4

Launching `/mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/Workflow_docker_illumina.nf` [voluminous_legentil] DSL2 - revision: ecbd2c7c06

executor > local (8)
[ba/1afbd3] process > SampleInfo (ACTFusion_v4_81-IVTRNA-240906-300x_R1.fastq.gz ACTFusion_v4_81-IVTRNA-240906-300x_R2.fastq.gz) [100%] 1 of 1 ✓
[03/65cfl2] process > Fusion:mergefastq (ACTFusion_v4_81-IVTRNA-240906-300x ACTFusion_v4_81-IVTRNA-240906-300x_R1.fastq.gz) [100%] 1 of 1 ✓
[79/4d276e] process > Fusion:trimadap (ACTFusion_v4_81-IVTRNA-240906-300x ACTFusion_v4_81-IVTRNA-240906-300x.fastp.zcatted.merged.fastq.gz) [100%] 1 of 1 ✓
[4c/fefld3] process > Fusion:fastp (ACTFusion_v4_81-IVTRNA-240906-300x ACTFusion_v4_81-IVTRNA-240906-300x.fastp.zcatted.merged__trimadap.fq.gz) [100%] 1 of 1 ✓
[f9/dlba71] process > Fusion:bwa_isoform (ACTFusion_v4_81-IVTRNA-240906-300x ACTFusion_v4_81-IVTRNA-240906-300x.clean.fq.gz) [100%] 1 of 1 ✓
[34/572ebe] process > Fusion:bwa_se (ACTFusion_v4_81-IVTRNA-240906-300x ACTFusion_v4_81-IVTRNA-240906-300x.isofiltered.fq.gz) [100%] 1 of 1 ✓
[37/cc391e] process > Fusion:bwa_fusioncalling (ACTFusion_v4_81-IVTRNA-240906-300x) [100%] 1 of 1 ✓
[ea/3cba7f] process > Fusion:fuscall2QC_illumina (ACTFusion_v4_81-IVTRNA-240906-300x) [100%] 1 of 1 ✓
Completed at: 23-Apr-2025 12:10:17
Duration    : 17m 1s
CPU hours   : 0.6
Succeeded   : 8
```

```
nextflow run /mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/Workflow_docker_illumina.nf \
-params-file /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/repo_code_v1.4_dbtest_0414.2025/params/ACTFusion_v4_81-IVTRNA-240906-300x_v0.1_fusionv4_MANE_v1.4_testv3-1.json \
-c /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/repo_code_v1.4_dbtest_0414.2025/dockerconfigs/fusion_multi_localdocker.v9.20241125.v0.23.0_v1.4.MANE.transcriptome.v3-1.config
```

Fusionv4 test v0.1 (config test: MANE v0.95 (same pipeline))

- AANB01_504 (16 samples)

```
sandyteng@tp-rdl77:/mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow_outdir/20250428_AANB01_504-fusionv4-based_16_sample$ ls -al
total 8
drwxrwxr-x  2 sandyteng sandyteng 4096 Apr 28 09:50 .
drwxrwxr-x 15 sandyteng sandyteng 4096 Apr 28 09:50 ..
sandyteng@tp-rdl77:/mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow_outdir/20250428_AANB01_504-fusionv4-based_16_sample$ nextflow run /mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev
umina.nf \
-params-file /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/testparams/param.ACTFusion_V5_AANB01_504-fusionv4-based.v0.1.json \
-c /mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/dockerconfigs/fusion_multi_localdocker.v9.20241125.v0.23.0.config
Nextflow 24.10.6 is available - Please consider updating your version to it

 N E X T F L O W ~ version 24.04.4

Launching `/mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/Workflow_docker_illumina.nf` [determined_mercator] DSL2 - revision: ecbd2c7c06

executor > local (128)
[aa/cb7b7] process > SampleInfo (A53_ACT2578_D5_S15_R1_001.fastq.gz A53_ACT2578_D5_S15_R2_001.fastq.gz) [100%] 16 of 16 ✓
[dd/2ba4fb] process > Fusion:mergefastq (AANB01_504_A83_AA-23-07938_R1 A83_AA-23-07938_R1_S2_R1_001.fastq.gz) [100%] 16 of 16 ✓
[de/141054] process > Fusion:trimadap (AANB01_504_A83_AA-23-07938_R1 AANB01_504_A83_AA-23-07938_R1.fastp.zcatted.merged.fastq.gz) [100%] 16 of 16 ✓
[47/41fba0] process > Fusion:fastp (AANB01_504_A83_AA-23-07938_R1 AANB01_504_A83_AA-23-07938_R1.trimadap.fq.gz) [100%] 16 of 16 ✓
[b5/a5103e] process > Fusion:bwa_isoform (AANB01_504_A54_ACT2704_D2 AANB01_504_A54_ACT2704_D2.clean.fq.gz) [100%] 16 of 16 ✓
[bdd/d3a88d] process > Fusion:bwa_se (AANB01_504_A54_ACT2704_D2 AANB01_504_A54_ACT2704_D2.isofilered.fq.gz) [100%] 16 of 16 ✓
[06/6a5ce4] process > Fusion:bwa_fusioncalling (AANB01_504_A54_ACT2704_D2) [100%] 16 of 16 ✓
[6b/73a021] process > Fusion:fuscall2QC_illumina (AANB01_504_A54_ACT2704_D2) [100%] 16 of 16 ✓
Completed at: 28-Apr-2025 10:51:51
Duration : 1h 1m 10s
CPU hours : 12.9
Succeeded : 128
```

```
nextflow run /mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/Workflow_docker_illumina.nf \
-params-file /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/testparams/param.ACTFusion_V5_AANB01_504-fusionv4-based.v0.1.json \
-c /mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/dockerconfigs/fusion_multi_localdocker.v9.20241125.v0.23.0.config
```

Arriba test v0.1 (config test: Arriba (same pipeline))

- AANB01_504 (16 samples)

```
sandyteng@tp-rdl77:/mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow_outdir/20250430_AANB01_504-arriba-based_16_sample$ ls -al
total 8
drwxrwxr-x  2 sandyteng sandyteng 4096 Apr 30 10:05 .
drwxrwxr-x 16 sandyteng sandyteng 4096 Apr 30 10:05 ..
sandyteng@tp-rdl77:/mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow_outdir/20250430_AANB01_504-arriba-based_16_sample$ nextflow run /mnt/RD_Develop/sandyteng/ACTFusionV5/repo_a.nf \
-params-file /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/testparams/param.ACTFusion_V5_AANB01_504-arriba-based.v0.1.json \
-c /mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/dockerconfigs/arriba_localdocker.config
Nextflow 24.10.6 is available - Please consider updating your version to it

 N E X T F L O W  ~  version 24.04.4

Launching `./mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/Workflow_docker_arriba.nf` [pensive_archimedes] DSL2 - revision: 6210b41435

executor > local (64)
[df/cade4b] process > SampleInfo (A82_AA-23-07938_R1_S1_R1_001.fastq.gz A82_AA-23-07938_R1_S1_R2_001.fastq.gz) [100%] 16 of 16 ✓
[3d/790lca] process > Fusion:STAR_ALIGN (AANB01_504_A82_AA-23-07938_R1 A82_AA-23-07938_R1_S1_R1_001.fastq.gz) [100%] 16 of 16 ✓
[bc/2a0f52] process > Fusion:ARRIBA_CALL (AANB01_504_A95_RM-22-014_R1) [100%] 16 of 16 ✓
[bc/d22021] process > Fusion:SORT_INDEX_BAM (AANB01_504_A95_RM-22-014_R1) [100%] 16 of 16 ✓
Completed at: 30-Apr-2025 10:48:39
Duration      : 42m 9s
CPU hours     : 9.5
Succeeded    : 64
```

```
nextflow run /mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/Workflow_docker_arriba.nf \
-params-file /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/testparams/param.ACTFusion_V5_AANB01_504-arriba-based.v0.1.json \
-c /mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/dockerconfigs/arriba_localdocker.config
```

Fusionv4 test v0.1 (config test: MANE v1.4 (same pipeline))

- AANB01_504 (16 samples)

```
sandyteng@tp-rdl77:/mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow_outdir/20250505_AANB01_504-fusionv4-db-v3.1-based_16_sample$ ls -al
total 8
drwxrwxr-x  2 sandyteng sandyteng 4096 May  5 08:44 .
drwxrwxr-x 17 sandyteng sandyteng 4096 May  5 08:44 ..
sandyteng@tp-rdl77:/mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow_outdir/20250505_AANB01_504-fusionv4-db-v3.1-based_16_sample$ df -h /mnt/RD_Develop/
Filesystem                Size      Used Avail Use% Mounted on
192.168.5.142:/RD_Develop  12T      12T   409G  97% /mnt/RD_Develop
sandyteng@tp-rdl77:/mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow_outdir/20250505_AANB01_504-fusionv4-db-v3.1-based_16_sample$ nextflow run /mnt/RD_Develop/sandyteng/ACTFusionV5/
cker_illumina.nf \
-params-file /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/testparams/param.ACTFusion_V5_AANB01_504-fusionv4-based.v0.1-db-v3.1.json \
-c /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/repo_code_v1.4_dbtest_0414.2025/dockerconfigs/fusion_multi_localdocker.v9.20241125.v0.23.0_v1.4.MANE.transcriptome.v3-1.config
Nextflow 24.10.6 is available - Please consider updating your version to it

NEXTFLOW ~ version 24.04.4

Launching `'/mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/Workflow_docker_illumina.nf` [amazing_maxwell] DSL2 - revision: ecbd2c7c06

executor > local (128)
[f1/6aee9f] process > SampleInfo (A85_ACT1187_R1_S4_R1_001.fastq.gz A85_ACT1187_R1_S4_R2_001.fastq.gz) [100%] 16 of 16 ✓
[f2/edfac2] process > Fusion:mergefastq (AANB01_504_A89_RM-25-005_R1_A89_RM-25-005_R1_S8_R1_001.fastq.gz) [100%] 16 of 16 ✓
[1e/245256] process > Fusion:trimadap (AANB01_504_A83_AA-23-07938_R1_AANB01_504_A83_AA-23-07938_R1.fastp.zcatted.merged.fastq.gz) [100%] 16 of 16 ✓
[08/3e8cd3] process > Fusion:fastp (AANB01_504_A83_AA-23-07938_R1_AANB01_504_A83_AA-23-07938_R1.trimadap.fq.gz) [100%] 16 of 16 ✓
[2d/20fb08] process > Fusion:bwa_isoform (AANB01_504_A54_ACT2704_D2_AANB01_504_A54_ACT2704_D2.clean.fq.gz) [100%] 16 of 16 ✓
[75/d2ad9c] process > Fusion:bwa_se (AANB01_504_A54_ACT2704_D2_AANB01_504_A54_ACT2704_D2.isofilered.fq.gz) [100%] 16 of 16 ✓
[91/f85756] process > Fusion:bwa_fusioncalling (AANB01_504_A54_ACT2704_D2) [100%] 16 of 16 ✓
[69/29b787] process > Fusion:fuscall2QC_illumina (AANB01_504_A54_ACT2704_D2) [100%] 16 of 16 ✓
Completed at: 05-May-2025 09:45:43
Duration    : 56m 30s
CPU hours   : 12.5
Succeeded   : 128
```

nextflow run /mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/Workflow_docker_illumina.nf \

-params-file /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/testparams/param.ACTFusion_V5_AANB01_504-fusionv4-based.v0.1-db-v3.1.json \

-c /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/repo_code_v1.4_dbtest_0414.2025/dockerconfigs/fusion_multi_localdocker.v9.20241125.v0.23.0_v1.4.MANE.transcriptome.v3-1.config

Fusionv4 test v0.1 (config test: MANE v1.4 (same pipeline))

- AANB01_507 (8 samples)

```
sandyteng@tp-rdl77:/mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow_outdir/20250512_AANB01_507-fusionv4-db-v3.1-based_8_sample$ ls -al
total 8
drwxrwxr-x  2 sandyteng sandyteng 4096 May 12 15:15 .
drwxrwxr-x 18 sandyteng sandyteng 4096 May 12 15:15 ..
sandyteng@tp-rdl77:/mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow_outdir/20250512_AANB01_507-fusionv4-db-v3.1-based_8_sample$ df -h /mnt/RD_Develop/
Filesystem      Size  Used Avail Use% Mounted on
192.168.5.142:/RD_Develop 12T   11T  958G  92% /mnt/RD_Develop
sandyteng@tp-rdl77:/mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow_outdir/20250512_AANB01_507-fusionv4-db-v3.1-based_8_sample$ nextflow run /mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/Workflow_docker_illumina.nf \
-params-file /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/testparams/param.ACTFusion_V5_AANB01_507-fusionv4-based.v0.1-db-v3.1.json \
-c /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/repo_code_v1.4_dbtest_0414.2025/dockerconfigs/fusion_multi_localdocker.v9.20241125.v0.23.0_v1.4.MANE.transcriptome.v3-1.config
Nextflow 25.04.0 is available - Please consider updating your version to it

NEXTFLOW ~ version 24.04.4

Launching ` /mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/Workflow_docker_illumina.nf ` [elegant_raman] DSL2 - revision: ecbd2c7c06

executor > local (64)
[6d/799174] process > SampleInfo (AANB01_507_A47_RM-25-001_R1_S48_R1_001.fastq.gz AANB01_507_A47_RM-25-001_R1_S48_R2_001.fastq.gz) [100%] 8 of 8 ✓
[8a/8880da] process > Fusion:mergefastq (AANB01_507_AANB01_507_A43_AA-23-08153 AANB01_507_A43_AA-23-08153_R1_S44_R1_001.fastq.gz) [100%] 8 of 8 ✓
[c2/685581] process > Fusion:trimadap (AANB01_507_AANB01_507_A43_AA-23-08153 AANB01_507_AANB01_507_A43_AA-23-08153.fastp.zcatted.merged.fastq.gz) [100%] 8 of 8 ✓
[6e/2d467f] process > Fusion:fastp (AANB01_507_AANB01_507_A43_AA-23-08153 AANB01_507_AANB01_507_A43_AA-23-08153.fastp.zcatted.merged.fastq.gz) [100%] 8 of 8 ✓
[5d/204f1f] process > Fusion:bwa_isoform (AANB01_507_AANB01_507_A43_AA-23-08153 AANB01_507_AANB01_507_A43_AA-23-08153.clean.fq.gz) [100%] 8 of 8 ✓
[45/4c8729] process > Fusion:bwa_se (AANB01_507_AANB01_507_A43_AA-23-08153 AANB01_507_AANB01_507_A43_AA-23-08153.isofilered.fq.gz) [100%] 8 of 8 ✓
[88/3b1f44] process > Fusion:bwa_fusioncalling (AANB01_507_AANB01_507_A43_AA-23-08153) [100%] 8 of 8 ✓
[67/66e4b7] process > Fusion:fuscall2QC_illumina (AANB01_507_AANB01_507_A43_AA-23-08153) [100%] 8 of 8 ✓
Completed at: 12-May-2025 19:49:16
Duration    : 4h 32m 51s
CPU hours   : 18.9
Succeeded   : 64
```

nextflow run /mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/Workflow_docker_illumina.nf \

-params-file /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/testparams/param.ACTFusion_V5_AANB01_507-fusionv4-based.v0.1-db-v3.1.json \

-c /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/repo_code_v1.4_dbtest_0414.2025/dockerconfigs/fusion_multi_localdocker.v9.20241125.v0.23.0_v1.4.MANE.transcriptome.v3-1.config

Fusionv4 test v0.1 (config test: MANE v0.95 (same pipeline))

- AANB01_507 (8 samples)

```
sandyteng@tp-rdl77:/mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow_outdir/20250512_AANB01_507-fusionv4-based_8_sample$ ls -al
total 8
drwxrwxr-x  2 sandyteng sandyteng 4096 May 13 08:46 .
drwxrwxr-x 19 sandyteng sandyteng 4096 May 13 08:46 ..
sandyteng@tp-rdl77:/mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow_outdir/20250512_AANB01_507-fusionv4-based_8_sample$ nextflow run /mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hy
mina.nf \
-params-file /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/testparams/param.ACTFusion_V5_AANB01_507-fusionv4-based.v0.1.json \
-c /mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/dockerconfigs/fusion_multi_localdocker.v9.20241125.v0.23.0.config
Nextflow 25.04.0 is available - Please consider updating your version to it

 N E X T F L O W  ~ version 24.04.4

Launching `/mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/Workflow_docker_illumina.nf` [insane_volhard] DSL2 - revision: ecbd2c7c06

executor > local (64)
[id/5e16d9] process > SampleInfo (AANB01_507_A40_AA-23-08153_R1_S41_R1_001.fastq.gz AANB01_507_A40_AA-23-08153_R1_S41_R2_001.fastq.gz) [100%] 8 of 8 ✓
[fl/be357a] process > Fusion:mergefastq (AANB01_507_AANB01_507_A43_AA-23-08153 AANB01_507_A43_AA-23-08153_R1_S44_R1_001.fastq.gz) [100%] 8 of 8 ✓
[50/c00a44] process > Fusion:trimadap (AANB01_507_AANB01_507_A43_AA-23-08153 AANB01_507_AANB01_507_A43_AA-23-08153.fastp.zcatted.merged.fastq.gz) [100%] 8 of 8 ✓
[47/81616b] process > Fusion:fastp (AANB01_507_AANB01_507_A43_AA-23-08153 AANB01_507_AANB01_507_.trimadap.fq.gz) [100%] 8 of 8 ✓
[91/4c5c24] process > Fusion:bwa_isoform (AANB01_507_AANB01_507_A43_AA-23-08153 AANB01_507_AANB01_507_A43_AA-23-08153.clean.fq.gz) [100%] 8 of 8 ✓
[2d/249a59] process > Fusion:bwa_se (AANB01_507_AANB01_507_A43_AA-23-08153 AANB01_507_AANB01_507_A43_AA-23-08153.isofiltered.fq.gz) [100%] 8 of 8 ✓
[a3/5fa876] process > Fusion:bwa_fusioncalling (AANB01_507_AANB01_507_A43_AA-23-08153) [100%] 8 of 8 ✓
[6d/5d4926] process > Fusion:fuscall2QC_illumina (AANB01_507_AANB01_507_A43_AA-23-08153) [100%] 8 of 8 ✓
Completed at: 13-May-2025 13:28:28
Duration      : 4h 41m
CPU hours     : 18.7
Succeeded     : 64
```

```
nextflow run /mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/Workflow_docker_illumina.nf \
-params-file /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/testparams/param.ACTFusion_V5_AANB01_507-fusionv4-based.v0.1.json \
-c /mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/dockerconfigs/fusion_multi_localdocker.v9.20241125.v0.23.0.config
```


Arriba test v0.1 (config test: Arriba (same pipeline))

- AANB01_507 (8 samples)

```
sandyteng@tp-rdl77:/mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow_outdir/20250512_AANB01_507-arriba-based_8_sample$ ls -al
total 8
drwxrwxr-x  2 sandyteng sandyteng 4096 May 13 13:52 .
drwxrwxr-x 20 sandyteng sandyteng 4096 May 13 13:52 ..
sandyteng@tp-rdl77:/mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow_outdir/20250512_AANB01_507-arriba-based_8_sample$ nextflow run /mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/dockerconfigs/arriba_localdocker.config \
-nf \
-params-file /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/testparams/param.ACTFusion_V5_AANB01_507-arriba-based.v0.1.json \
-c /mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/dockerconfigs/arriba_localdocker.config
Nextflow 25.04.1 is available - Please consider updating your version to it

NEXTFLOW ~ version 24.04.4

Launching `'/mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/Workflow_docker_arriba.nf` [angry_jones] DSL2 - revision: 6210b41435

executor > local (32)
[40/5ad024] process > SampleInfo (AANB01_507_A45_RM-25-001_R1_S46_R1_001.fastq.gz AANB01_507_A45_RM-25-001_R1_S46_R2_001.fastq.gz) [100%] 8 of 8 ✓
[6c/f133c0] process > Fusion:STAR_ALIGN (AANB01_507_AANB01_507_A45_RM-25-001 AANB01_507_A45_RM-25-001_R1_S46_R1_001.fastq.gz) [100%] 8 of 8 ✓
[2f/fbf972] process > Fusion:ARRIBA_CALL (AANB01_507_AANB01_507_A45_RM-25-001) [100%] 8 of 8 ✓
[00/b9458b] process > Fusion:SORT_INDEX_BAM (AANB01_507_AANB01_507_A45_RM-25-001) [100%] 8 of 8 ✓
Completed at: 13-May-2025 14:41:33
Duration      : 43m
CPU hours     : 7.4
Succeeded     : 32
```

```
nextflow run /mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/Workflow_docker_arriba.nf \
-params-file /mnt/RD_Develop/sandyteng/ACTFusionV5/nextflow/testparams/param.ACTFusion_V5_AANB01_507-arriba-based.v0.1.json \
-c /mnt/RD_Develop/sandyteng/ACTFusionV5/repo_dev/hybridcapture_fusion_pipeline_nextflow/dockerconfigs/arriba_localdocker.config
```