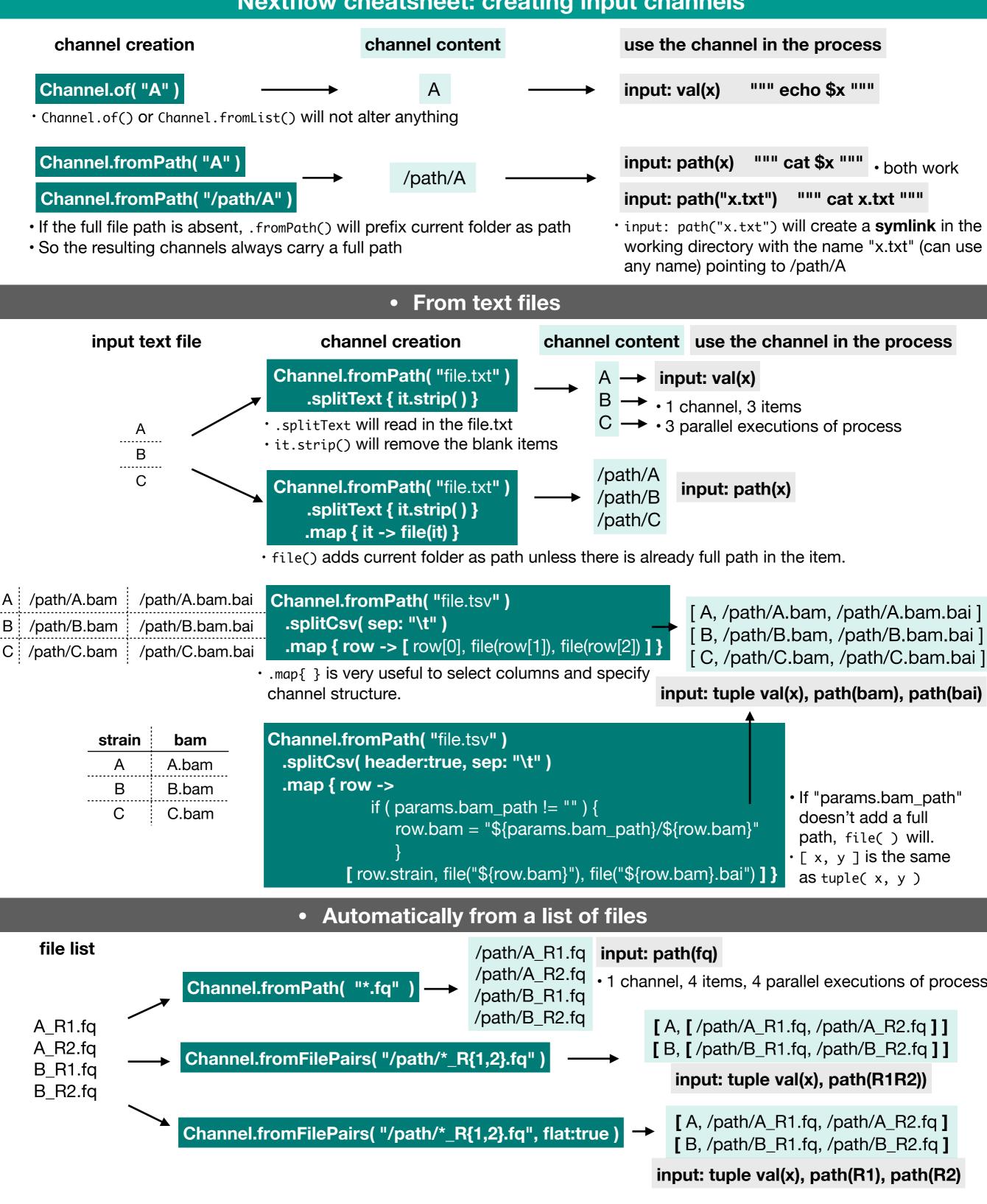
Nextflow cheatsheet: creating input channels



Channel.fromFilePairs("/path/*.{bam, bam.bai}", flat:true

• First item "A" came from stripping the path and common pattern ".{bam, bam.bai}" as specified in .Channel.fromFilePairs

[A, /path/A.bam, /path/A.bam.bai]

[B, /path/B.bam, /path/B.bam,bai]

input: tuple val(x), path(bam), path(bai)

A.bam

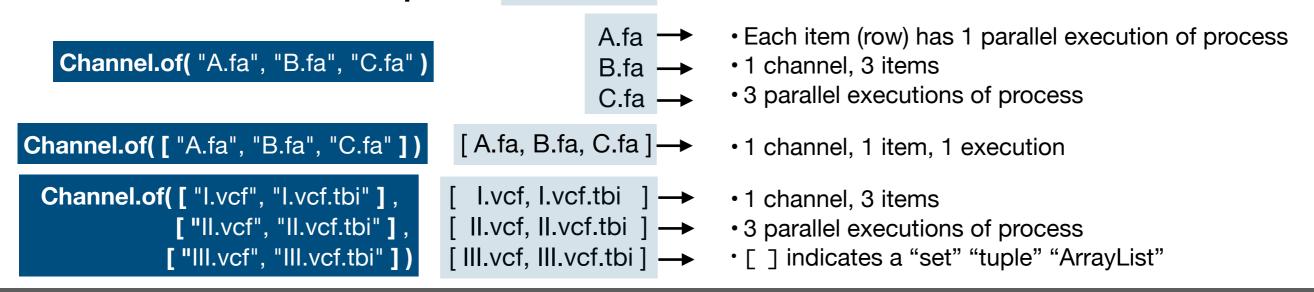
A.bam.bai

B.bam

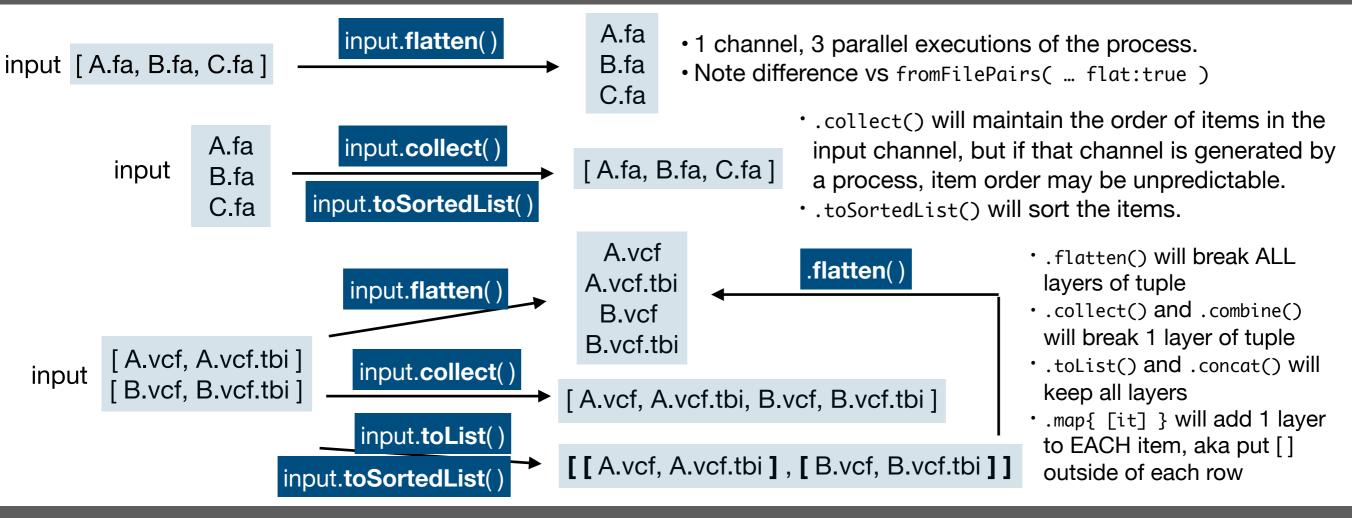
B.bam.bai

Nextflow cheatsheet: combine inputs into 1 channel

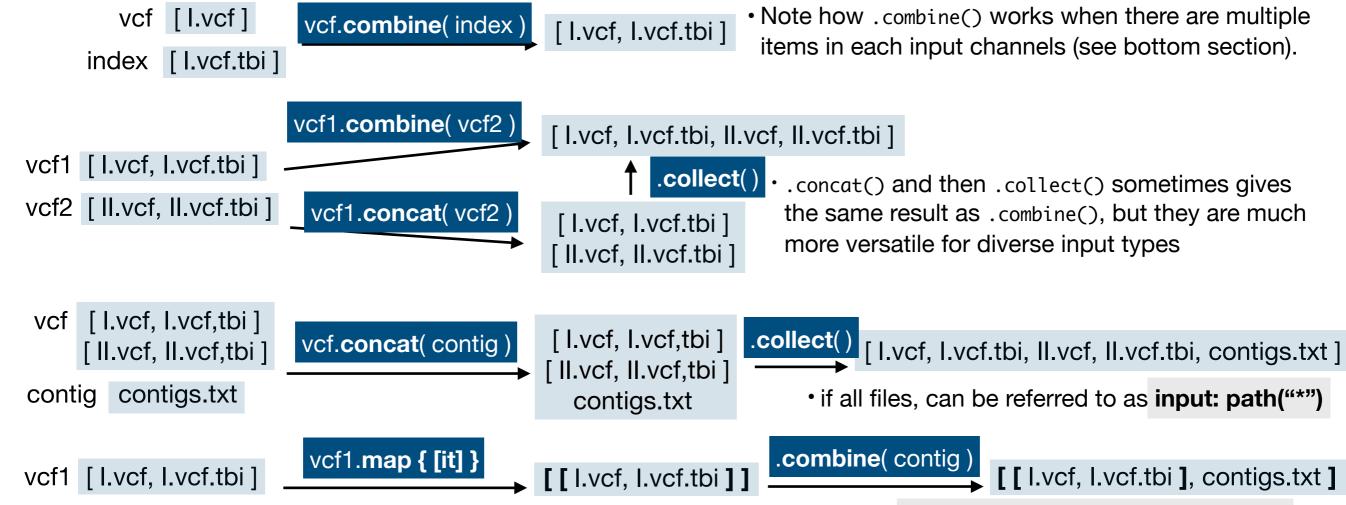
examples of 1 channel:



With 1 input channel: change number of items and parallel execution of the process

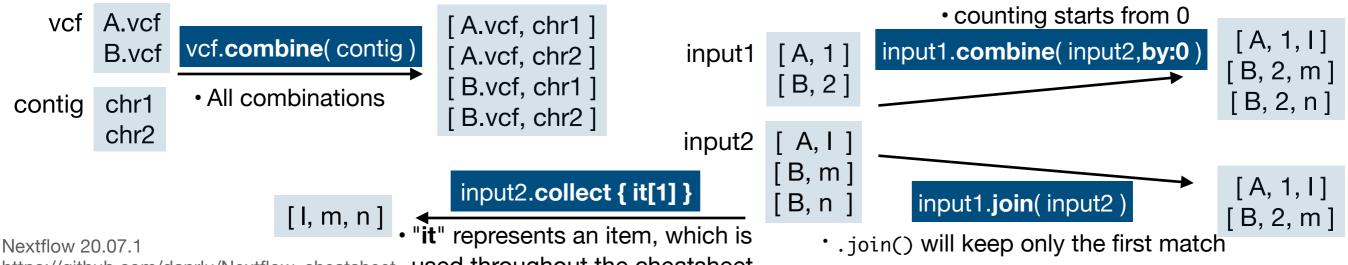


With multiple input channels: combine them and change number of items



• This is especially useful when number of items in vcf1 could vary. In process: input: tuple path("*"), path(contig)

Other useful cases



https://github.com/danrlu/Nextflow_cheatsheet used throughout the cheatsheet