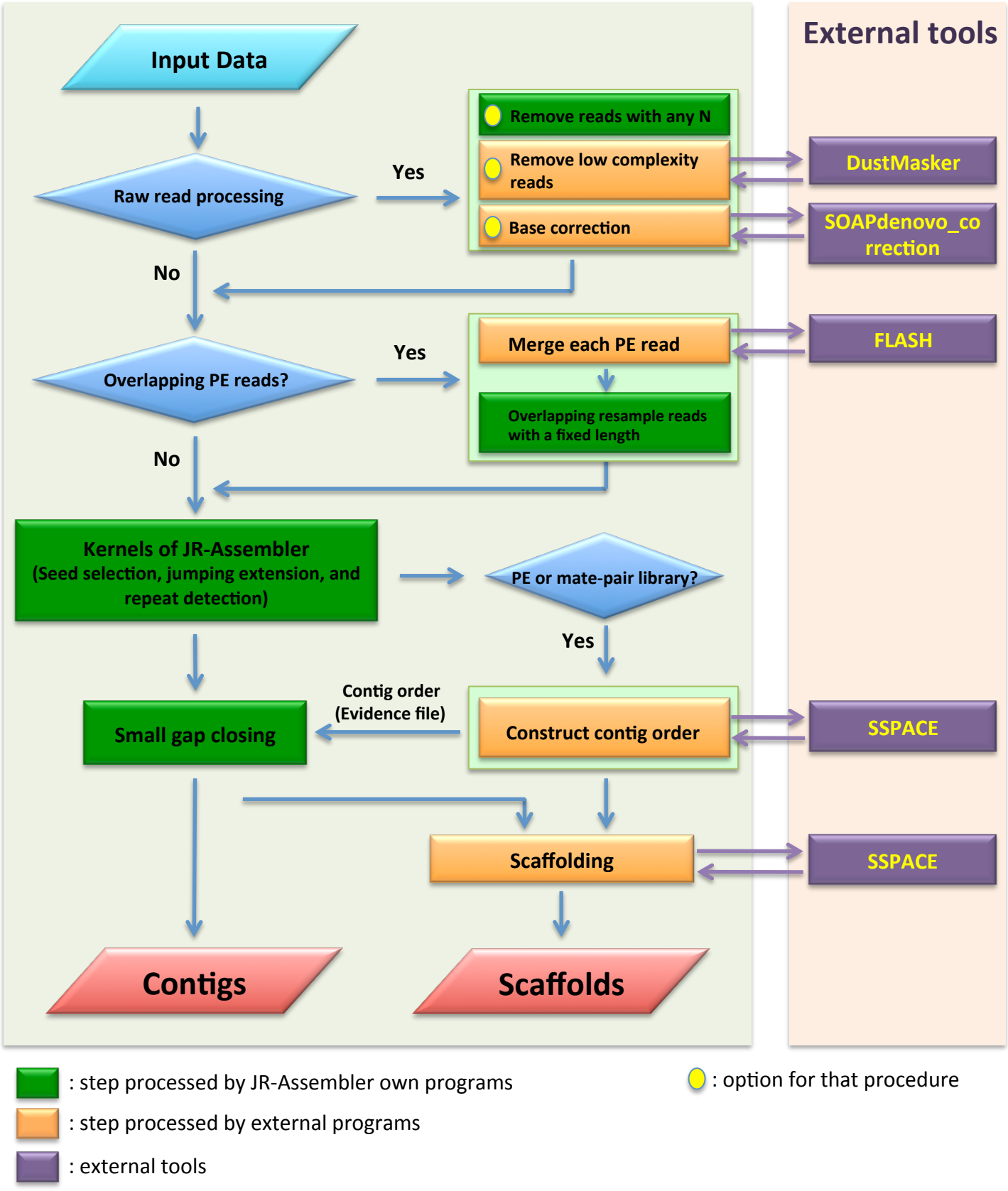Working pipeline of the JR-Assembler package