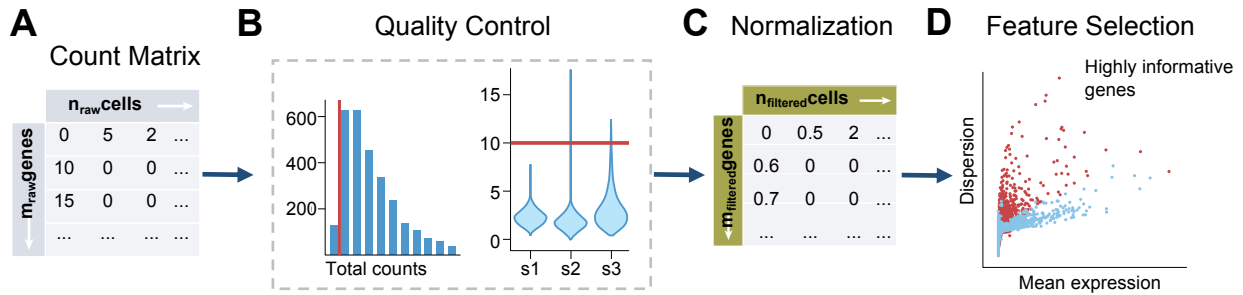
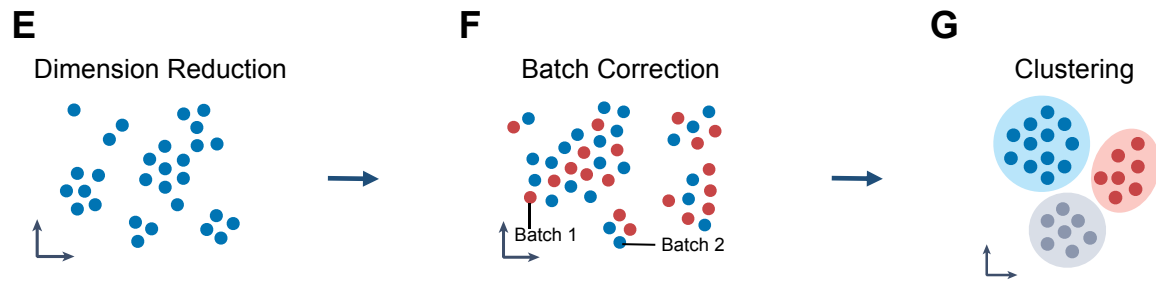


1. pre-processing



2. clustering



3. downstream

