

## MD5 check Instructions

An MD5 checksum is a 32-character hexadecimal number that is computed on a file. If two files have the same MD5 checksum value, it is highly probable that the two files are the same. It is generally used to check data integrity.

All MD5 values are recorded in "MD5.txt". Here is an example:

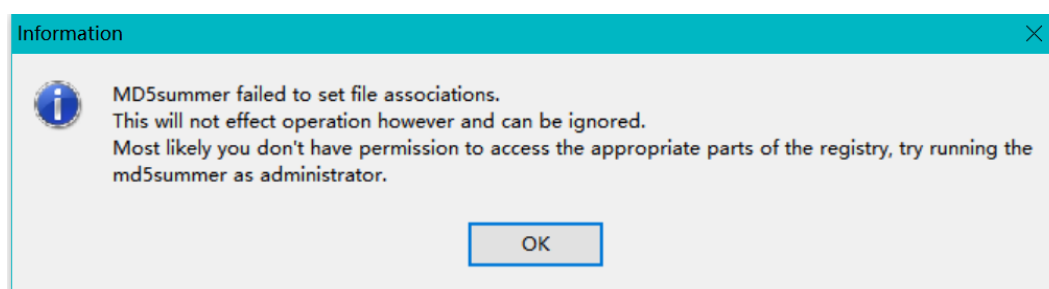
MD5 value	File name
27861128e640713f2d76df35bc75bf41	sample_1.fq.gz

This guide shows how to check the integrity of released files. Please make sure you download all files without changing their directories.

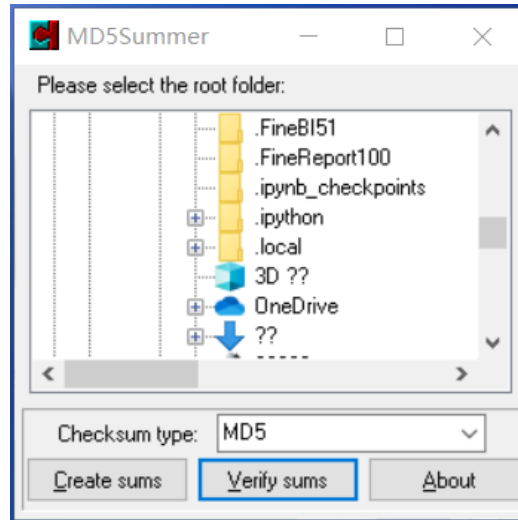
For **Windows** users:

When "MD5-win.exe" and "MD5.txt" are prepared, please follow below procedures:

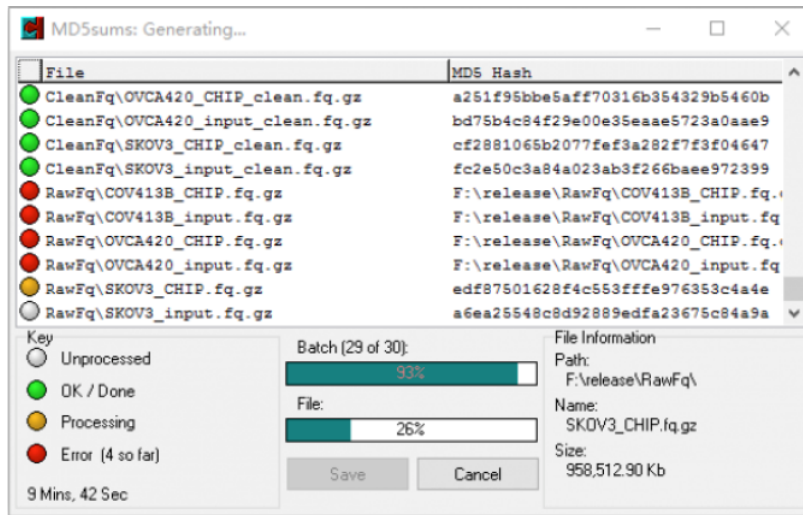
**Step 1** Double click "MD5-win.exe", click OK on the popped window



**Step 2** Click "Verify sums" and choose "MD5.txt" in your data\_release folder then click OK



**Step 3** Wait until the task is done



Red indicates error;

Yellow indicates processing;

Green indicates checking pass;

For Mac users:

**Step 1** Open your "Terminal"

**Step 2** If md5sum command is not available, please install md5sum following <https://raamdev.com/2008/howto-install-md5sum-sha1sum-on-mac-os-x/>.

**Step 3** Change directory to your data\_release path

**Step 4** Use command: md5sum filename

For **Linux** users:

**Step 1** Open your "Terminal"

**Step 2** Change directory to your data\_release path

**Step 3** Use command: md5sum filename

For the error ones, please save your report and check the detailed errors. The possible reasons are:

1. Download incomplete

Files would be easily corrupted with unstable internet connection. If previous download process was aborted, please try to fix your internet connections and download again.

2. File position changed

Relative positions of all files shouldn't be changed before starting to check, or checking process will run into error due to unable to locate the files.

3. File missing

Please check whether all files are downloaded from the link, make sure no files are left out.

4. Others

If the error still exists even there is nothing abnormal and all procedures are properly processed, please contact your Sales Manager or Operations Manager to get more solutions.

Thank you for your trust to Novogene, and we will try our best to solve your problems!