

## VIEWING CHROMATOGRAM REPORTS

Several reports can be viewed by clicking the appropriate links in the Reports section of the main menu.

### **Folder List**

The Folders link in the main menu is used to access reports concerning a variety of data types.

The three main reports available are as follows:

- Folders: an overview of all data types.
- Contents of Folder: lists the files in the folder by the file type you specified.
- Chromatogram Details Report: gives detailed information about a particular chromatogram.

### **To View the Folder List:**

1. Click the Folders link from the Results section of the main menu.
  - The Folders page appears.

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*Note: Only folders to which you have access will be displayed in the Folders page.*

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*Note: Other columns may appear depending on what Finch Suite components you have installed. For more information, please see the corresponding chapters.*

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The Folders page contains links to the Folder Content Report.

- Click a link in the # Chromats column to view the Contents of Folder page.
- Click a link in the Other column to see additional generic files in the folder.

### **Chromatograms In Folder**

You can view the chromatograms in a folder by clicking the numbered link in the Chromats column on the Folders page.

### **To View the Chromatograms in a Folder:**

1. Click the Folders link from the Results section of the main menu.
2. Click a numbered link in the Chromats column.
  - The Contents of Folder page presents details about individual chromatogram files in the folder, including file label, start time, trimmed length, number of bases > Q20; and flags for vector, short inserts, and E. coli. During data processing, information that is not yet available is indicated by "n/a."


Contents of Folder 2243E23										
Chromatograms					Other Files					
Find:		Label	CONTAINS		GO	RESET	?			
Items 1-25 of 193 ( <a href="#">more</a>   <a href="#">all</a> )				Page 1 of 8			Go To: <a href="#">1</a> <a href="#">2</a> <a href="#">3</a> <a href="#">4</a> <a href="#">5</a> >>			
	Label	Start Time	Ver	TrimLen	n(Q>20)	IsVec	ShortIns	SrcPos	Passed	
<input type="checkbox"/>	<a href="#">2243E23_0896.y1.ab1.gz</a>	2000-04-12 17:54:32	1	95	56	N	N	N	N	
<input type="checkbox"/>	<a href="#">2243E23_0895.y1.ab1.gz</a>	2000-04-12 17:54:32	1	449	211	Y	N	N	N	
<input type="checkbox"/>	<a href="#">2243E23_0894.y1.ab1.gz</a>	2000-04-12 17:54:32	1	528	392	N	N	N	N	Y
<input type="checkbox"/>	<a href="#">2243E23_0893.y1.ab1.gz</a>	2000-04-12 17:54:32	1	605	549	N	N	N	N	Y
<input type="checkbox"/>	<a href="#">2243E23_0892.y1.ab1.gz</a>	2000-04-12 17:54:32	1	50	120	N	N	Y	N	

Column	Meaning
Label	The chromatogram's label.  Click to view the chromatogram details this sample is associated to.
Start Time	When this chromatogram began sequencing.
Ver	The chromatogram's revision.  The revision number will increase as changes are checked into this chromatogram. This number reflects the number of times the chromatogram has been edited.
Is Vec	Whether or not this chromatogram is a vector.
ShortIns	Whether or not this chromatogram is short insert.
TrimLen	The length of a read after the poor quality regions have been identified and trimmed.
N(Q>20)	The number of bases with a quality value greater than 20.
Passed	Whether or not the chromatogram passed according to criteria defined by the laboratory. These criteria can include the length of the trimmed sequence, whether or not the sequence matches a vector sequence or another sequence that the lab has chosen to screen against. For example, a lab could choose to screen for E. coli sequences. If that were the case, any sequences that matched E. coli would be identified as "Screen Positive;" any Screen Positive sequence would not pass and would be marked as N.
SrcPos	Whether or not this chromatogram is screen positive.

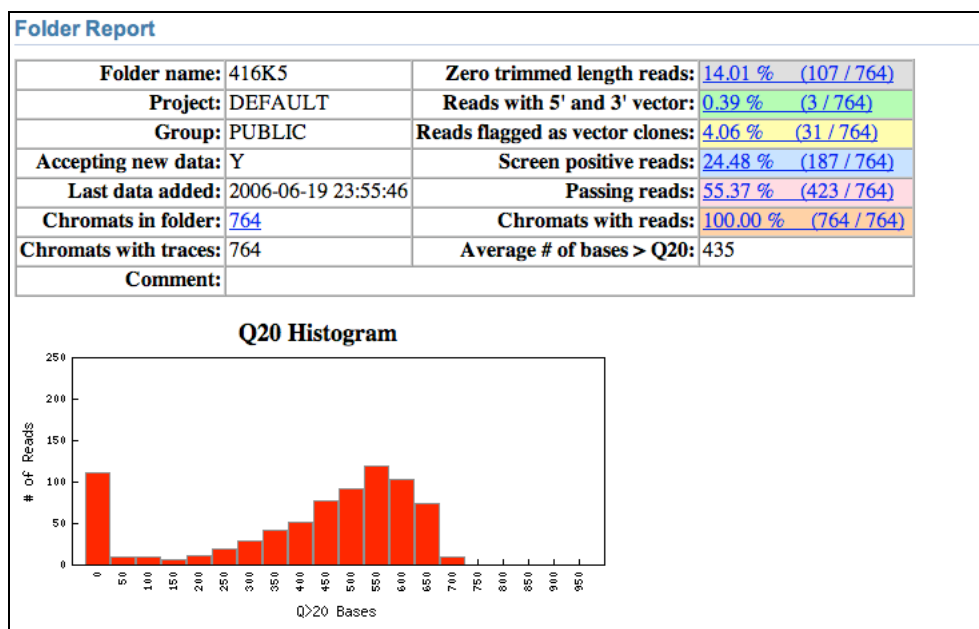
## Folder Report

The Folder Report page can be accessed through the Folder Contents Report (Chromatograms tab).

### To View the Folder Report:

1. Click the [Folders](#) link from the Results section of the main menu.
2. Click a numbered link from the Chromats column.
3. Click the  icon from the top-right corner of the page.

- The Folder Report page appears.
- The Folder Report summarizes quality data for the selected folder. See the table below the screenshot for detailed information about the report.



Field	Description
Folder name	The folder's name
Project	The folder's project
Group	The folder's group
Accepting new data	Can be "Y" or "N." "Y" means the folder will receive data, while "N" means the folder is locked.
Last data added	The date and time of the last time data was added to the folder.
Chromats in folder	Total number of chromatograms in this folder.
Chromats with traces	Total number of chromatograms in this folder with trace values.
Zero trimmed length reads	Click the link to view a list of chromatograms who were not trimmed.
Reads with 5' and 3' vector	Click the link to view a list of chromatograms with the 5' and 3' vector.
Screen positive reads	Click the link to view a list of chromatograms considered screen positive.

Passing reads	Click the link to view a list of chromatograms that passed.
Chromats with reads	Click the link to view a list of chromatograms with reads.
Average # of bases > Q20	Shows the average number of bases with quality scores above 20 for every chromatogram.

## **Chromatogram Details Report**

The Chromatogram Details Report can be accessed through the Chromats in Folder Report. All *Finch Server* users may view the Chromatogram Details Report; however, the chromatograms each user can view depends upon the user's role. Administrators, Lab Managers, and Technicians can view the details of any chromatogram in the system. Sales, Scientists, and Customers can view the details of chromatograms that are in folders that belong to their (the user's) projects.

### **To View the Chromatogram Details page:**

1. Click the [Folders](#) link from the Results section of the main menu.
2. Click a numbered link from the Chromats column.
  - The Contents of Folder page appears.
3. Click the name of a chromatogram from the list.
  - The Chromatogram Details Report contains data stored directly in the chromatogram file, including the file label, information about the instrument, lanes, and time of the run. Phred quality values for each base of the sequence are shown graphically. The read length, trimmed length, and the number of bases > Q20 are shown below the graph. The dashed line in the graph indicates Q20.
  - The basecalled sequence appears at the bottom of the page.