Modernizing the GB on-line docs

RM: 18504

January 2017
Donna & Kate

Why ?

Before

After

Why (more detail)

- Achieve a more modern look
- Maintain consistency with new Home page and hgGateway
- Simplify page HTML source
- Adhere better to current HTML standards and style recommendations
- Review and update help content
- Improve organization of help docs

How

1) Update infrastructure
- Create include files for boilerplate
- Create new static page stylesheet
- Create new template with examples

2) Whack the pages!

- Tidy pages
- Remove wrapper tables
- Remove hard-coded styling
- Add new includes (and variables they need)

What

- Include files:
  - gbPageStart.html   stylesheets, top menu, wrapper div
  - gbPageEnd.html   footer, end wrapper

- CSS files:
  - bootstrap.min.css   subset of capabilities, responsive grid layout
  - gb.css   new UI look from Jeff West. Used by CGI's too
  - staticStyle/gbStatic.css   new UI look, file used only by static pages
- Tools:
  - tidy   lower case tags, fix white-space, report errors

Example: Under the covers

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 3.2//EN">
<HTML>
<HEAD>
        <META HTTP-EQUIV="Content-Type" CONTENT="text/html;CHARSET=iso-8859-1">
        <TITLE>UCSC Genome Browser: Configuring VCF Tracks</TITLE>
        <LINK REL="STYLESHEET" HREF="../../style/HGStyle.css">
</HEAD>

<BODY BGCOLOR="#FFF9D2" LINK="#0000CC" VLINK="#330066" ALINK="#330066">
<A NAME="TOP"></A>

<TABLE BORDER=0 CELLPADDING=0 CELLSPACING=0 WIDTH="100%">
    <TR><TH COLSPAN=2 ALIGN="left"><IMG SRC="../../images/title.jpg"></TH></TR>

<TR><TD COLSPAN=2 HEIGHT=40><!--#include virtual="../../cgi-bin/hgMenubar"--></TD></TR>
<!------------VCF Track Help Page-------------------------------->
<TR><TD ROWSPAN=2 VALIGN="top"></TD></TR>
<TR><TD>

<A NAME="Topic5"></A><BR>

        <!--outer table is for border purposes-->
        <TABLE WIDTH="100%" BGCOLOR="#888888" BORDER="0" CELLSPACING="0" CELLPADDING="1">
            <TR><TD>
                <TABLE BGCOLOR="#fffee8" WIDTH="100%"  BORDER="0" CELLSPACING="0" CELLPADDING="0">
                    <TR><TD>
                        <TABLE BGCOLOR="#D9E4F8" BACKGROUND="../../images/hr.gif" WIDTH="100%">
                            <TR><TD><FONT SIZE="4"><A
                            NAME="TOC"></A><B>  Configuring VCF tracks</B></FONT>
                            </TD></TR>
                        </TABLE>
                        <TABLE BGCOLOR="#fffee8" WIDTH="100%" CELLPADDING=0>
                            <TR><TH HEIGHT=10></TH></TR>
                            <TR><TD WIDTH=10> </TD><TD>
<P>
Genome Browser VCF tracks may be configured in a variety of ways to
highlight different aspects of the displayed information.
Click <A HREF="vcf.html" TARGET=_BLANK>here</A> for more information
```

Before

```
<!DOCTYPE html>
<!--#set var="TITLE" value="UCSC Genome Browser: Configuring VCF Tracks" -->
<!--#set var="ROOT" value="../.." -->

<!--#include virtual="$ROOT/inc/gbPageStart.html"-->

<!-- VCF Track Help Page -->

<a name="Topic5"></a>
<h1>Configuring VCF tracks</h1>
<p>
Genome Browser VCF tracks may be configured in a variety of ways to highlight different aspects of
the displayed information. Click <a href="vcf.html" target="_blank">here</a> for more information
on VCF custom track creation.</p>

<h2>Configuring the haplotype sorting display</h2>
<p>
If the VCF file contains genotype columns for at least two samples (four haplotypes), then a
haplotype sorting display can be configured.</p>
```

After

HTML tags for GB static pages

<p>	paragraph	<pre>	preformatted section
<h1>	page header (title)	<code>	code
<h2>	section header		unordered (bulleted) list
<h3>	subsection header		ordered (numbered) list
<h6>	paragraph title	<dl><dt><dd>	definition list
<table><th><tr><td>	table	<img>	image

Classes for GB static pages

<div class="row">   define a row for multi-column layout

<div class="col-md-6">   define a column for multi-column layout (12-col grid)

<ul class="gbsNoBullet">   unordered list without bullets

<table class="gbsNoBorder">   table with border suppressed

<img class="gbsAlignRight">   right-align image

<p class="gbsCaption">   caption for image

Template:

Shows examples and explains how to use tags to take advantage of new styles

When

Phase 1: New look and cleanup

Tasks: Remove old cruft.   Use new styles.

Release: 1) Merge branch   2) Resolve conflicts with work-in-progress

            3) Broad & shallow QA of htdocs   4) Push

Timeline: ASAP, as we have a soft freeze currently on the docs. Feb 7 latest ?

Phase 2: Content and organization improvement.

Target: On-going