WashU Epigenome Browser - Bug # 46

Status:	New	**Priority:**	Normal
Author:	Junchen Gu	**Category:**	
Created:	09/18/2013	**Assignee:**	Xin Zhou
Updated:	09/19/2013	**Due date:**	
Subject:	Coordinate issue in hg19		

Description

I found this issue in hg19:

Steps to reproduce:

copy chr5:131800537-131801093 into the coordinate window and click go;

Then the browser shows chr5:131800537-131800982 instead of chr5:131800537-131801093.

I also tried to modify the end coordinate(131801093) and they all go to chr5:131800537-131800982.

See pictures for the browser shot.

History

#1 - 09/19/2013 07:45 am - Xin Zhou

cannot reproduce this problem

#2 - 09/19/2013 08:13 am - Junchen Gu
- File WashU Epigenome Browser 2.png added

Weird.. I just tried on my laptop and still have the same problem but now the coordinate is different again..

#3 - 09/19/2013 10:16 am - Xin Zhou

Now I see the problem. It is because on a wide zoom level in the browser, one pixel width of the horizontal axis spans a range of basepairs (or a bin). When browser relocates to a coordinate from text input, the landing coordinate may starts from a bin containing the original start, thus comes the small discrepancy. I will try to solve it.

Files

WashU Epigenome Browser.jpg	75.6 kB	09/18/2013		Junchen Gu
WashU Epigenome Browser 2.png	59.4 kB	09/19/2013		Junchen Gu