

Plot function in the bioassay table in experiment explorer: A plot button (1) in bioassay list header. The plot (2, 3) should display a selected value, e.g., logratio (4) as a line plot (2) or a barplot (3). The y-axis should display the value and the x-axis is an ordering defined by the list order, i.e., bioassays (5) as sorted in the list. In the example below assays are sorted by Ch1 (6). The user should be allowed to select annotations to display as boxes under the x-axis (7).

The screenshot shows the 'Ticket_EE_test2' experiment explorer interface. The main table displays bioassay data with columns for assay names, positions, and logratios. A 'Columns...' button (1) is highlighted in the table header. A 'Plot' button (2) is also visible. The interface includes a sidebar with gene information for ESR1, a filter section, and a main data table. Two plots are shown: a line plot (2) and a barplot (3). A table of assay names (5) is shown below the main table. A table of logratio values (4) is shown to the right of the assay names. A table of Ch1 values (6) is shown to the right of the logratio values. A table of assay names (8) is shown below the Ch1 values. A table of logratio values (7) is shown to the right of the assay names (8).

1 "Plot values ..." Button placed here

2 Ticket_EE_test2

3 Ticket_EE_test2

4 logratio values

5 Bioassay

6 Ch 1

7 logratio values

8 Bioassay

Assay	logratio	Ch 1
Ca10031_1_HP	-1.480	57.000
Ca15504_3_HP	-1.484	64.000
Ca13928_2_HP	-2.761	72.000
Ca5447_2_HP	-2.168	87.000
Ca12224_1.rin7.7_HP	-1.819	89.000
Ca10081_1_HP	-0.284	488.000
Ca10581_2_HP	-2.072	391.000
Ca13996_3_HP	-1.234	314.000
Ca15504_2_HP	-1.821	112.000
Ca12530_2_HP	-2.451	526.000
Ca11787_4_HP	-2.181	359.000
Ca14807_1_HP	-1.157	525.000
Ca11900_2_HP	-1.312	536.000
Ca10015_1_HP	1.035	536.000
Ca11693_2_HP	-0.358	683.000
Ca16238_2_HP	1.603	
Ca14616_2_HP	1.497	
Ca13183_2_HP	0.696	
Ca15243_2_HP	1.822	
	1.045	
	2.163	

The display of assay names under the x-axis (8) should be user-selectable "on" or "off"