

Hints on exporting diagrams, zooming in/back, and details of eQTLs

Exporting Diagrams

Right-click on the diagram and choose "Save as".

The screenshot shows the Team16 - Genevar 0.0.3a software interface. On the left is a tree view of the project structure, including folders for ExpressionManager, GenotypeManager, and Analysis. The Analysis folder is expanded to show SNP-expression Association and Cis-eQTL Analysis. Under Cis-eQTL Analysis, the GBP3 folder is selected, showing a list of population-specific eQTLs (CEU, CHB, GIH, JPT, LWK, MEX, MKK, YRI). The main window displays a Manhattan plot for ILMN_1725314 / ENSG00000117226 / GBP3. The y-axis is labeled $-\log_{10}(p\text{-value})$ and ranges from 0 to 5. The x-axis is labeled 'position (bp)' and ranges from 88,500,000 to 90,000,000. A red dashed horizontal line is drawn at approximately $-\log_{10}(p\text{-value}) = 3.1$. A context menu is open over the plot with the following options: Properties..., Save as..., Print..., Zoom In, Zoom Out, and Auto Range. Below the plot are buttons for 'Deselect All' and 'Export List'. A table of SNP data is displayed below the plot, with columns for SNP_ID, Gene..., SNP..., Gen..., SNP_Loca..., Gene_Loc..., Distance, rho, p-value, and $-\log_{10}(p\text{-value})$. The table contains 8 rows of data, all of which are checked. At the bottom of the window, there is a 'Remove Node' button and a 'Link to:' section with buttons for Ensembl, HapMap, and UCSC.

	SNP_ID	Gene...	SNP...	Gen...	SNP_Loca...	Gene_Loc...	Distance	rho	p-value	$-\log_{10}(p\text{-value})$
<input checked="" type="checkbox"/>	rs17433780	GBP3	1	1	89247406	89244948	2458	-0.491	0.000038281839956	5.417
<input checked="" type="checkbox"/>	rs10493821	GBP3	1	1	89247723	89244948	2775	-0.461	0.0000170776507062	4.768
<input checked="" type="checkbox"/>	rs12142922	GBP3	1	1	89262503	89244948	17555	-0.455	0.0000250883586486	4.6
<input checked="" type="checkbox"/>	rs12120863	GBP3	1	1	89274110	89244948	29162	0.441	0.0000421327753053	4.375
<input checked="" type="checkbox"/>	rs7555039	GBP3	1	1	89258625	89244948	13677	-0.393	0.0003463603625593	3.46
<input checked="" type="checkbox"/>	rs6668038	GBP3	1	1	89262566	89244948	17618	-0.373	0.000645283535913	3.19
<input checked="" type="checkbox"/>	rs7911	GBP3	1	1	89290708	89244948	45760	-0.364	0.0009014279709196	3.045

Zooming in/back

Zoom in

Left-click and drag the mouse from top-left to bottom-right in order to draw a rectangle.

Team16 - Genevar 0.0.3a

Database Tools Help

- ExpressionManager
- GenotypeManager
- Analysis
 - SNP-expression Association
 - Cis-eQTL Analysis
 - GBP3
 - CEU_1Mb_p0.001
 - CHB_1Mb_p0.001**
 - GIH_1Mb_p0.001
 - JPT_1Mb_p0.001
 - LWK_1Mb_p0.001
 - MEX_1Mb_p0.001
 - MKK_1Mb_p0.001
 - YRI_1Mb_p0.001

ILMN_1725314 / ENSG00000117226 / GBP3

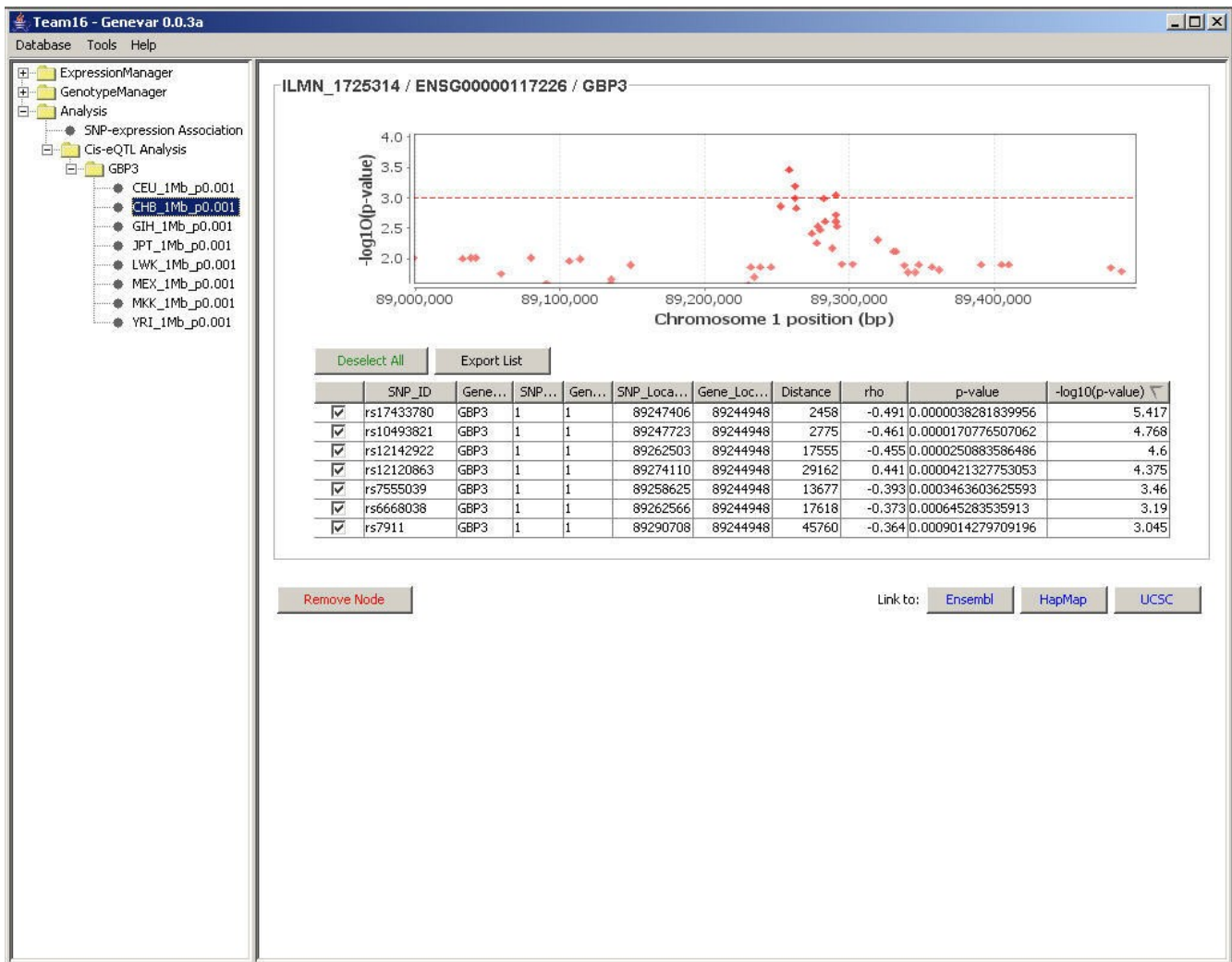
Deselect All Export List

	SNP_ID	Gene...	SNP...	Gen...	SNP_Loca...	Gene_Loc...	Distance	rho	p-value	-log10(p-value) ▾
<input checked="" type="checkbox"/>	rs17433780	GBP3	1	1	89247406	89244948	2458	-0.491	0.0000038281839956	5.417
<input checked="" type="checkbox"/>	rs10493821	GBP3	1	1	89247723	89244948	2775	-0.461	0.0000170776507062	4.768
<input checked="" type="checkbox"/>	rs12142922	GBP3	1	1	89262503	89244948	17555	-0.455	0.0000250883586486	4.6
<input checked="" type="checkbox"/>	rs12120863	GBP3	1	1	89274110	89244948	29162	0.441	0.0000421327753053	4.375
<input checked="" type="checkbox"/>	rs7555039	GBP3	1	1	89258625	89244948	13677	-0.393	0.0003463603625593	3.46
<input checked="" type="checkbox"/>	rs6668038	GBP3	1	1	89262566	89244948	17618	-0.373	0.000645283535913	3.19
<input checked="" type="checkbox"/>	rs7911	GBP3	1	1	89290708	89244948	45760	-0.364	0.0009014279709196	3.045

Remove Node

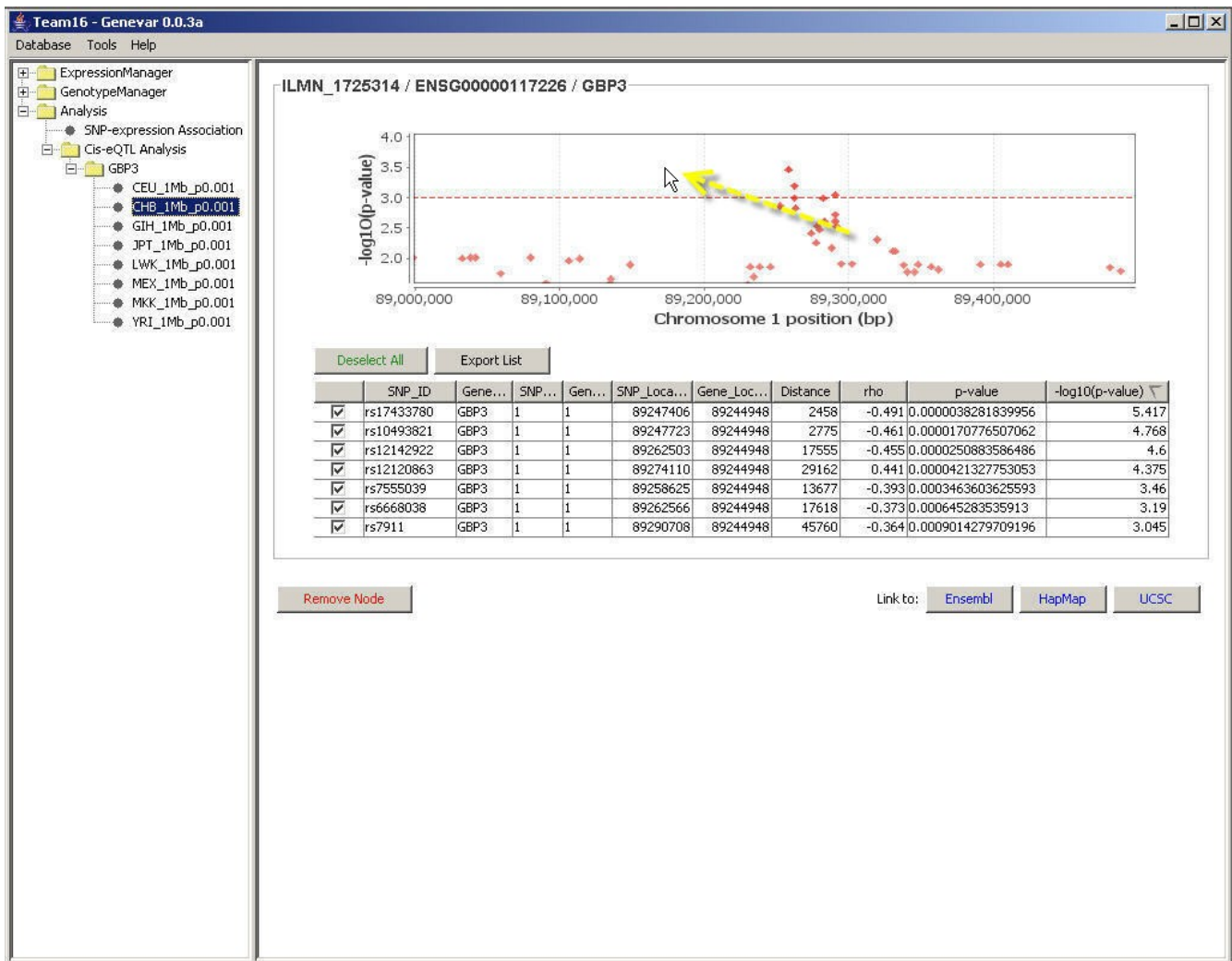
Link to: [Ensembl](#) [HapMap](#) [UCSC](#)

Then release the mouse button.



Zoom back

Press the mouse button and move backwards before release it.



Details of eQTLs

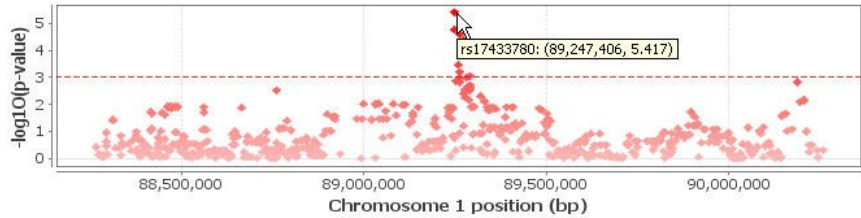
It will be displayed in a tip text when hovering the mouse pointer over the eQTL of interest.

Genevar 0.6.0 - Connection: Sanger Institute (Web Services)

Connection Tools Help

- ExpressionManager
- GenotypeManager
- eQTL Analysis
 - cis-eQTL - Gene
 - GBP3
 - CEU_rho_1Mb_p0.001
 - CHB_rho_1Mb_p0.001**
 - GIH_rho_1Mb_p0.001
 - JPT_rho_1Mb_p0.001
 - LWK_rho_1Mb_p0.001
 - MEX_rho_1Mb_p0.001
 - MKK_rho_1Mb_p0.001
 - YRI_rho_1Mb_p0.001
 - cis-eQTL - SNP
 - eQTL - SNP-Gene

ILMN_1725314 / ENSG00000117226 / GBP3



Link to:

	SNP_ID	Gene...	SNP...	Gen...	SNP_Loca...	Gene_Loc...	Distance	rho	p-value	-log10(p-value)
<input checked="" type="checkbox"/>	rs17433780	GBP3	1	1	89247406	89261137	13731	-0.491	0.000003628183996	5.417
<input checked="" type="checkbox"/>	rs10493821	GBP3	1	1	89247723	89261137	13414	-0.461	0.000017077650706	4.768
<input checked="" type="checkbox"/>	rs12142922	GBP3	1	1	89262503	89261137	1366	-0.455	0.000025088358649	4.6
<input checked="" type="checkbox"/>	rs12120863	GBP3	1	1	89274110	89261137	12973	0.441	0.000042132775305	4.375
<input checked="" type="checkbox"/>	rs7555039	GBP3	1	1	89258625	89261137	2512	-0.393	0.000346360362559	3.46
<input checked="" type="checkbox"/>	rs6668038	GBP3	1	1	89262566	89261137	1429	-0.373	0.000645283535913	3.19
<input checked="" type="checkbox"/>	rs7911	GBP3	1	1	89290708	89261137	29571	-0.364	0.00090142797092	3.045

(Use CTRL+C to copy SNPs of interest)