GRNsight Client Side Testing Overview

Last Updated: 2025-01-17

ID	Included in Testing	GRNsight Option	User Action	Result
e1	NO NO	Dropdown Menu: Edge -> Enable Edge Coloring Based on Weight Value	Check	GRNsight should enable edge coloring and set the sidebar menu 'Enable Edge Coloring' to checked
e1	NO	Dropdown Menu: Edge -> Enable Edge Coloring Based on Weight Value	Uncheck	GRNsight should disable edge coloring and set the sidebar menu 'Enable Edge Coloring' to unchecked
e2	NO	Sidebar Menu: Enable Edge Coloring	Check	GRNsight should enable edge coloring and set the dropdown menu 'Enable Edge Coloring Based on Weight Value' to checked
e2	NO	Sidebar Menu: Enable Edge Coloring	Uncheck	GRNsight should disable edge coloring and set the dropdown menu 'Enable Edge Coloring Based on Weight Value' to unchecked
еЗ	NO	Sidebar Menu: Hide/Show Edge Weights	Select "Show With Mouse Over"	A single edge weight should display when user mouses over a single edge.
еЗ	NO	Sidebar Menu: Hide/Show Edge Weights	Select "Always Show Edge Weights"	All edge weights should always be visible.
еЗ	NO	Sidebar Menu: Hide/Show Edge Weights	Select "Never Show Edge Weights"	No edge weights should be visible.
e4	NO	Dropdown Menu: Edge -> Hide/Show Edge Weights	Check "Show With Mouse Over"	A single edge weight should display when user mouses over a single edge.
e4	NO	Dropdown Menu: Edge -> Hide/Show Edge Weights	Check "Always Show Edge Weights"	All edge weights should always be visible.
e4	NO	Dropdown Menu: Edge -> Hide/Show Edge Weights	Check "Never Show Edge Weights"	No edge weights should be visible.
e5	NO	Sidebar Menu: Edge Weight Normalization Factor	Enter a Number in the Box and Click "Set Factor" button	The graph should reload with the new normalization factor applied to its edge weight thicknesses
e6	NO	Dropdown Menu: Edge -> Edge Weight Normalization Factor	Enter a Number in the Box and Press Enter	The graph should reload with the new normalization factor applied to its edge weight thicknesses

e7	NO	Sidebar Menu: Reset Factor Button	Click	The graph should reset to its default normalization factor and reload the graph
e8	NO	Dropdown Menu: Edge -> Reset Edge Weight Normalization	Click	The graph should reset to its default normalization factor and reload the graph
e9	NO	Sidebar Menu: Gray Threshold Slider	Change the Grey Threshold Value	The graph should reload, with edges that fall below the threshold value colored gray
e10) NO	Dropdown Menu: Edge -> Gray Threshold Input Box	Change the Grey Threshold Value and Press Enter	The graph should reload, with edges that fall below the threshold value colored gray
e11	I NO	Sidebar Menu: Show Grey Edges as Dashed Checkbox	Uncheck	The graph should show gray lines as solid lines
e11	I NO	Sidebar Menu: Show Grey Edges as Dashed Checkbox	Check	The graph should show gray lines as dashed lines
e12	2 NO	Dropdown Menu: Edge -> Show Grey Edges as Dashed	Uncheck	The graph should show gray lines as solid lines
e12	2 NO	Dropdown Menu: Edge -> Show Grey Edges as Dashed	Check	The graph should show gray lines as dashed lines
f1	NO	Dropdown Menu: Help	Select "Getting Started"	GRNsight should open the GRNsight documentation page
f1	NO	Dropdown Menu: Help	Select "GRNsight Wiki"	GRNsight should open the GRNsight wiki page
f1	NO	Dropdown Menu: Help	Select "About GRNsight"	GRNsight should open the About GRNsight page
f2	NO	Load Graph	None	GRNsight should have no graph in the viewport
f2	NO	Load Graph	Dropdown Menu: Network -> Demo -> Demo #1	GRNsight should lay out an unweighted network graph from Demo #1
f2	NO	Load Graph	Dropdown Menu: Network -> Demo -> Demo #2	GRNsight should lay out a weighted network graph from Demo #2
f2	NO	Load Graph	Dropdown Menu: Network -> Demo -> Demo #3	GRNsight should lay out an unweighted network graph from Demo #3
f2	NO	Load Graph	Dropdown Menu: Network -> Demo -> Demo #4	GRNsight should lay out a weighted network graph from Demo #4
f2	NO	Load Graph	Dropdown Menu: Network -> Demo -> Demo #5	GRNsight should lay out a unweighted PPI graph from Demo #5
f2	NO	Load Graph	Dropdown Menu: Network -> Open File	GRNsight should lay out a network graph from the Excel, SIF, or GraphML network if there are no errors in the file
			Dropdwon Menu:	GRNsight should lay out a network graph

f2	NO	Load Graph	Network -> Load From Database	from the given genes added from the specified database source
f2	NO	Load Graph	Dropdown Menu: Demo - > Demo #1	GRNsight should lay out an unweighted network graph from Demo #1
f2	NO	Load Graph	Dropdown Menu: Demo - > Demo #2	GRNsight should lay out a weighted network graph from Demo #2
f2	NO	Load Graph	Dropdown Menu: Demo - > Demo #3	GRNsight should lay out an unweighted network graph from Demo #3
f2	NO	Load Graph	Dropdown Menu: Demo - > Demo #4	GRNsight should lay out a weighted network graph from Demo #4
f2	NO	Load Graph	Dropdown Menu: Demo - > Demo #5	GRNsight should lay out a unweighted PPI graph from Demo #5
f2	NO	Load Graph	Sidebar Menu: Network - > Demo -> Demo #1	GRNsight should lay out an unweighted network graph from Demo #1
f2	NO	Load Graph	Sidebar Menu: Network - > Demo -> Demo #2	GRNsight should lay out a weighted network graph from Demo #2
f2	NO	Load Graph	Sidebar Menu: Network - > Demo -> Demo #3	GRNsight should lay out an unweighted network graph from Demo #3
f2	NO	Load Graph	Sidebar Menu: Network - > Demo -> Demo #4	GRNsight should lay out a weighted network graph from Demo #4
f2	NO	Load Graph	Sidebar Menu: Network - > Demo -> Demo #5	GRNsight should lay out a unweighted PPI graph from Demo #5
f2	NO	Load Graph	Sidebar Menu: Network - > Open File	GRNsight should lay out a network graph from the Excel, SIF, or GraphML network if there are no errors in the file
f2	NO	Load Graph	Sidebar Menu: Network - > Load From Database	GRNsight should lay out a network graph from the given genes added from the specified database source
f3	NO	Reload Graph	Dropdown Menu: Network -> Reload	The graph should center, zoom to 100%, and reapply the force graph parameters
f3	NO	Reload Graph	Sidebar Menu: Network - > Reload	The graph should center, zoom to 100%, and reapply the force graph parameters
f4	NO	Dropdown Menu: Export -> Export Data (Gene Regulatory Network)	Select "To Unweighted SIF"	GRNsight should export an unweighted SIF file from the graph currently loaded
f4	NO	Dropdown Menu: Export -> Export Data (Gene Regulatory Network)	Select "To Weighted SIF"	GRNsight should export a weighted SIF file from the graph currently loaded
f4	NO	Dropdown Menu: Export -> Export Data (Gene Regulatory Network)	Select "To Unweighted GraphML"	GRNsight should export an unweighted GraphML file from the graph currently loaded
f4	NO	Dropdown Menu: Export -> Export Data (Gene Regulatory Network)	Select "To Weighted GraphML"	GRNsight should export a weighted GraphML file from the graph currently loaded

f4	NO	Dropdown Menu: Export -> Export Data (Gene Regulatory Network)	Select "To Excel"	GRNsight should export an Excel file from the graph currently loaded with the chosen data, using pd or a numerical value as the relationship
f5	NO	Dropdown Menu: Export -> Export Data (Protein-Protein Interaction Network)	Select "To Unweighted SIF"	GRNsight should export an unweighted SIF file from the graph currently loaded
f5	NO	Dropdown Menu: Export -> Export Data (Protein-Protein Interaction Network)	Select "To Weighted SIF"	GRNsight should not make the option available
f5	NO	Dropdown Menu: Export -> Export Data (Protein-Protein Interaction Network)	Select "To Unweighted GraphML"	GRNsight should not make the option available
f5	NO	Dropdown Menu: Export -> Export Data (Protein-Protein Interaction Network)	Select "To Weighted GraphML"	GRNsight should not make the option available
f5	NO	Dropdown Menu: Export -> Export Data (Protein-Protein Interaction Network)	Select "To Excel"	GRNsight should export an Excel file from the graph currently loaded with the chosen data, using pp as the relationship
f6	NO	Dropdown Menu: Export -> Export Image	Select "To PNG"	GRNsight should export a PNG image from the graph currently loaded
f6	NO	Dropdown Menu: Export -> Export Image	Select "To SVG"	GRNsight should export a SVG image from the graph currently loaded
f6	NO	Dropdown Menu: Export -> Export Image	Select "To PDF"	GRNsight should export a PDF file from the graph currently loaded
f7	NO	Dropdown Menu: Export -> Print	Select	GRNsight should open the Print Dialogue Box
l1	YES	Sidebar Menu: Grid Layout	Keep at Default	The graph should default to force graph layout
l1	YES	Sidebar Menu: Grid Layout	Click Grid Layout Button	The graph should change to grid layout
l1	YES	Sidebar Menu: Grid Layout	Click Force Graph Layout Button	The graph should change to force graph layout
12	NO	Dropdown Menu: Layout -> Graph Options	Keep at Default	The graph should be in force graph layout by default
12	NO	Dropdown Menu: Layout -> Graph Options	Grid Layout	The graph should apply grid layout
12	NO	Dropdown Menu: Layout -> Graph Options	Force Graph	The graph should apply force graph layout
13	NO	Dropdown Menu: Layout -> Lock Force	Check "Lock Force Graph Parameters"	The Force Graph Parameter sliders should be disabled.

		Graph Parameters		
13	NO	Dropdown Menu: Layout -> Lock Force Graph Parameters	Uncheck "Lock Force Graph Parameters"	The Force Graph Parameter sliders should be enabled.
14	NO	Dropdown Menu: Layout -> Reset Force Graph Parameters	Click "Reset Force Graph Parameters"	The force graph parameters should revert to the default values, if Lock Force Graph Parameters is unchecked
15	NO	Dropdown Menu: Layout -> Undo Reset	Click "Undo Reset"	The force graph parameters should return to the values they had before the Undo Reset button (or menu item) was selected, if Undo Reset is enabled.
16	NO	Dropdown Menu: Layout -> Link Distance	Input Value, then Press Enter	The graph's edges should visibly change in length to the value entered if Lock Force Graph Parameters is unchecked
17	NO	Dropdown Menu: Layout -> Charge	Input Value, then Press Enter	The graph's nodes should visibly change it's level of attraction to each other to the value entered if Lock Force Graph Parameters is unchecked
18	NO	Sidebar Menu: Force Graph Parameter Sliders	Keep at Default Values	The graph should be laid out according to the default values of the force graph parameter sliders
18	NO	Sidebar Menu: Force Graph Parameter Sliders	Decrease Link Distance	The graph's edges should visibly decrease in length if Lock Force Graph Parameters is unchecked
18	NO	Sidebar Menu: Force Graph Parameter Sliders	Increase Link Distance	The graph's edges should visibly increase in length if Lock Force Graph Parameters is unchecked
18	NO	Sidebar Menu: Force Graph Parameter Sliders	Increase Charge	The graph's nodes should visibly increase attraction to each other if Lock Force Graph Parameters is unchecked
18	NO	Sidebar Menu: Force Graph Parameter Sliders	Decrease Charge	The graph's nodes should visibly decrease attraction to each other if Lock Force Graph Parameters is unchecked
19	NO	Sidebar Menu: Lock Force Graph Parameters Checkbox	Check	The Force Graph Parameter sliders should be disabled.
19	NO	Sidebar Menu: Lock Force Graph Parameters Checkbox	Uncheck	The Force Graph Parameter sliders should be enabled.
l10	NO	Sidebar Menu: Reset Force Graph Parameters Button	Click	The Force Graph Parameter sliders should revert to the default values, if Lock Force Graph Parameters is unchecked.
l11	NO	Sidebar Menu: Undo Reset Button	Click	The Force Graph Parameter sliders should return to the values they had before the Undo Reset button (or menu item) was selected, if the Undo Reset button is enabled.
ne1	I NO	Sidebar Menu: Network -> Network	Default when no graph is shown	The network mode for demos should be disabled.

ne1 NO	Mode (Demos) Sidebar Menu: Network -> Network Mode (Demos)	Dropdown Menu: Demo - > Demo #1	The network mode for demos should be Gene Regulatory Network.
ne1 NO	Sidebar Menu: Network -> Network Mode (Demos)	Dropdown Menu: Demo - > Demo #2	The network mode for demos should be Gene Regulatory Network.
ne1 NO	Sidebar Menu: Network -> Network Mode (Demos)	Dropdown Menu: Demo - > Demo #3	The network mode for demos should be Gene Regulatory Network.
ne1 NO	Sidebar Menu: Network -> Network Mode (Demos)	Dropdown Menu: Demo - > Demo #4	The network mode for demos should be Gene Regulatory Network.
ne1 NO	Sidebar Menu: Network -> Network Mode (Demos)	Dropdown Menu: Demo - > Demo #5	The network mode for demos should be Protein-Protein Physical Interaction Network.
ne1 NO	Sidebar Menu: Network -> Network Mode (Demos)	Sidebar Menu: Network - > Demo -> Demo #1	The network mode for demos should be Gene Regulatory Network.
ne1 NO	Sidebar Menu: Network -> Network Mode (Demos)	Sidebar Menu: Network - > Demo -> Demo #2	The network mode for demos should be Gene Regulatory Network.
ne1 NO	Sidebar Menu: Network -> Network Mode (Demos)	Sidebar Menu: Network - > Demo -> Demo #3	The network mode for demos should be Gene Regulatory Network.
ne1 NO	Sidebar Menu: Network -> Network Mode (Demos)	Sidebar Menu: Network - > Demo -> Demo #4	The network mode for demos should be Gene Regulatory Network.
ne1 NO	Sidebar Menu: Network -> Network Mode (Demos)	Sidebar Menu: Network - > Demo -> Demo #5	The network mode for demos should be Protein-Protein Physical Interaction Network.
ne2 NO	Dropdown Menu: Network -> Network Mode (Demos)	Default when no graph is shown	The network mode for demos should be disabled.
ne2 NO	Dropdown Menu: Network -> Network Mode (Demos)	Dropdown Menu: Demo - > Demo #1	The network mode for demos should be Gene Regulatory Network.
ne2 NO	Dropdown Menu: Network -> Network Mode (Demos)	Dropdown Menu: Demo - > Demo #2	The network mode for demos should be Gene Regulatory Network.
ne2 NO	Dropdown Menu: Network -> Network Mode (Demos)	Dropdown Menu: Demo - > Demo #3	The network mode for demos should be Gene Regulatory Network.
ne2 NO	Dropdown Menu: Network -> Network Mode (Demos)	Dropdown Menu: Demo - > Demo #4	The network mode for demos should be Gene Regulatory Network.
ne2 NO	Dropdown Menu: Network -> Network Mode (Demos)	Dropdown Menu: Demo - > Demo #5	The network mode for demos should be Protein-Protein Physical Interaction Network.

ne2 NO	Dropdown Menu: Network -> Network Mode (Demos)	Sidebar Menu: Network -> Demo -> Demo #1	The network mode for demos should be Gene Regulatory Network.
ne2 NO	Dropdown Menu: Network -> Network Mode (Demos)	Sidebar Menu: Network - > Demo -> Demo #2	The network mode for demos should be Gene Regulatory Network.
ne2 NO	Dropdown Menu: Network -> Network Mode (Demos)	Sidebar Menu: Network - > Demo -> Demo #3	The network mode for demos should be Gene Regulatory Network.
ne2 NO	Dropdown Menu: Network -> Network Mode (Demos)	Sidebar Menu: Network - > Demo -> Demo #4	The network mode for demos should be Gene Regulatory Network.
ne2 NO	Dropdown Menu: Network -> Network Mode (Demos)	Sidebar Menu: Network - > Demo -> Demo #5	The network mode for demos should be Protein-Protein Physical Interaction Network.
ne3 NO	Sidebar Menu: Network -> Network Mode (Open Files)	Default when no graph is shown	The network mode when opening files should be disabled.
ne3 NO	Sidebar Menu: Network -> Network Mode (Open Files)	Dropdown Menu: Open File	The network mode when opening files should be Gene Regulatory Network if the relationship is not pp, otherwise be Protein-Protein Physical Interaction Network.
ne3 NO	Sidebar Menu: Network -> Network Mode (Open Files)	Sidebar Menu: Network - > Open File	The network mode when opening files should be Gene Regulatory Network if the relationship is not pp, otherwise be Protein-Protein Physical Interaction Network.
ne4 NO	Dropdown Menu: Network -> Network Mode (Open Files)	Default when no graph is shown	The network mode when opening files should be disabled.
ne4 NO	Dropdown Menu: Network -> Network Mode (Open Files)	Dropdown Menu: Open File	The network mode when opening files should be Gene Regulatory Network if the relationship is not pp, otherwise be Protein-Protein Physical Interaction Network.
ne4 NO	Dropdown Menu: Network -> Network Mode (Open Files)	Sidebar Menu: Network - > Open File	The network mode when opening files should be Gene Regulatory Network if the relationship is not pp, otherwise be Protein-Protein Physical Interaction Network.
ne5 NO	Sidebar Menu: Network -> Network Mode (Load from Database)	Default when no graph is shown	The network mode when loading from the database should be disabled.
ne5 NO	Sidebar Menu: Network -> Network Mode (Load from Database)	Sidebar Menu: Network - > Load From Database - > Network Type: Gene Regulatory	The network mode when loading from the database should be Gene Regulatory Network.
ne5 NO	Sidebar Menu: Network -> Network Mode (Load from Database)		The network mode when loading from the database should be Protein-Protein Physical Interaction Network.

Interactions

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ne6 NO	Dropdown Menu: Network -> Network Mode (Load from Database)	Default when no graph is shown	The network mode when loading from the database should be disabled.
ne6 NO	Dropdown Menu: Network -> Network Mode (Load from Database)	Dropdown Menu: Load From Database -> Network Type: Gene Regulatory	The network mode when loading from the database should be Gene Regulatory Network.
ne6 NO	Dropdown Menu: Network -> Network Mode (Load from Database)	Dropdown Menu: Load From Database -> Network Type: Protein- Protein Physical Interactions	The network mode when loading from the database should be Protein-Protein Physical Interaction Network.
ne6 NO	Dropdown Menu: Network -> Network Mode (Load from Database)	Sidebar Menu: Network - > Load From Database - > Network Type: Gene Regulatory	The network mode when loading from the database should be Gene Regulatory Network.
ne6 NO	Dropdown Menu: Network -> Network Mode (Load from Database)	Sidebar Menu: Network - > Load From Database - > Network Type: Protein- Protein Physical Interactions	The network mode when loading from the database should be Protein-Protein Physical Interaction Network.
n1 NO	Sidebar Menu: Top Dataset	Keep Default Selection	The top half of each node should be colored using data from the first expression dataset detected in the input workbook, if expression data sheets are present in input workbook
n1 NO	Sidebar Menu: Top Dataset	Select Top Dataset from Dropdown List	The top half of each node should be colored using data from the selected dataset, if expression data sheets are present in input workbook
n2 NO	Dropdown Menu: Node -> Select Top Dataset	Keep Default Selection	The top half of each node should be colored using data from the first expression dataset detected in the input workbook, if expression data sheets are present in input workbook
n2 NO	Dropdown Menu: Node -> Select Top Dataset	Check New Top Dataset from Dropdown List	The top half of each node should be colored using data from the selected dataset, if expression data sheets are present in input workbook
n3 NO	Sidebar Menu: Bottom Dataset	Keep Default Selection	The bottom half of each node should be colored using data from the same dataset as the top dataset, if expression data sheets are present in input workbook
n3 NO	Sidebar Menu: Bottom Dataset	Select Bottom Dataset from Dropdown List	The bottom half of each node should be colored using data from the selected dataset, if expression data sheets are present in input workbook
n4 NO	Dropdown Menu: Node -> Select Bottom	Keep Default Selection	The bottom half of each node should be colored using data from the same dataset as

		Dataset		the top dataset, if expression data sheets are present in input workbook
n4 N	10	Dropdown Menu: Node -> Select Bottom Dataset	Check New Bottom Dataset from Dropdown List	The bottom half of each node should be colored using data from the selected dataset, if expression data sheets are present in input workbook
n5 N	10	Sidebar Menu: Log Fold Change Max Value	Keep Default Value	The node coloring visualization's color intensity should default to having a Log Fold Change Max Value of 3, if expression data sheets are present in input workbook
n5 N	10	Sidebar Menu: Log Fold Change Max Value	Increase Log Fold Change Max Value	The node coloring visualization's color intensity should decrease, if expression data sheets are present in input workbook
n5 N	10	Sidebar Menu: Log Fold Change Max Value	Decrease Log Fold Change Max Value	The node coloring visualization's color intensity should increase, if expression data sheets are present in input workbook
n6 N	10	Dropdown Menu: Node -> Log Fold Change Max Value	Keep Default Value	The node coloring visualization's color intensity should default to having a Log Fold Change Max Value of 3, if expression data sheets are present in input workbook
n6 N	10	Dropdown Menu: Node -> Log Fold Change Max Value	Increase Log Fold Change Max Value	The node coloring visualization's color intensity should decrease, if expression data sheets are present in input workbook
n6 N	10	Dropdown Menu: Node -> Log Fold Change Max Value	Decrease Log Fold Change Max Value	The node coloring visualization's color intensity should increase, if expression data sheets are present in input workbook
n7 N	10	Sidebar Menu: Average Replicates Values (Top Dataset)	Check	GRNsight should average replicate values for top dataset, if expression data sheets are present in input workbook
n7 N	10	Sidebar Menu: Average Replicates Values (Top Dataset)	Uncheck	GRNsight should not average replicate values for top dataset, if expression data sheets are present in input workbook
n8 N	10	Dropdown Menu: Node -> Average Replicates Values (Top Dataset)		GRNsight should average replicate values for top dataset, if expression data sheets are present in input workbook
n8 N	10	Dropdown Menu: Node -> Average Replicates Values (Top Dataset)		GRNsight should not average replicate values for top dataset, if expression data sheets are present in input workbook
n9 N	10	Sidebar Menu: Average Replicates Values (Bottom Dataset)	Check	GRNsight should average replicate values for bottom dataset, if expression data sheets are present in input workbook
n9 N	10	Sidebar Menu: Average Replicates Values (Bottom Dataset)	Uncheck	GRNsight should not average replicate values for bottom dataset, if expression data sheets are present in input workbook
n10 N	NO	Dropdown Menu: Node -> Average Replicates Values (Bottom Dataset)	Check	GRNsight should average replicate values for bottom dataset, if expression data sheets are present in input workbook

ı	n10 NO	Dropdown Menu: Node -> Average Replicates Values (Bottom Dataset)	Uncheck	GRNsight should not average replicate values for bottom dataset, if expression a sheets are present in input workbook
ı	n11 NO	Sidebar Menu: Node Coloring (Demos)	Default	Node coloring should be disabled
ı	n11 NO	Sidebar Menu: Node Coloring (Demos)	Dropdown Menu: Demo - > Demo #1	Node coloring should be enabled
ı	n11 NO	Sidebar Menu: Node Coloring (Demos)	Dropdown Menu: Demo - > Demo #2	Node coloring should be enabled
ı	n11 NO	Sidebar Menu: Node Coloring (Demos)	Dropdown Menu: Demo - > Demo #3	Node coloring should be enabled
ı	n11 NO	Sidebar Menu: Node Coloring (Demos)	Dropdown Menu: Demo - > Demo #4	Node coloring should be enabled
ı	n11 NO	Sidebar Menu: Node Coloring (Demos)	Dropdown Menu: Demo - > Demo #5	Node coloring should be disabled
ı	n11 NO	Sidebar Menu: Node Coloring (Demos)	Sidebar Menu: Network - > Demo -> Demo #1	Node coloring should be enabled
ı	n11 NO	Sidebar Menu: Node Coloring (Demos)	Sidebar Menu: Network - > Demo -> Demo #2	Node coloring should be enabled
ı	n11 NO	Sidebar Menu: Node Coloring (Demos)	Sidebar Menu: Network - > Demo -> Demo #3	Node coloring should be enabled
ı	n11 NO	Sidebar Menu: Node Coloring (Demos)	Sidebar Menu: Network - > Demo -> Demo #4	Node coloring should be enabled
ı	n11 NO	Sidebar Menu: Node Coloring (Demos)	Sidebar Menu: Network - > Demo -> Demo #5	Node coloring should be disabled
ı	n12 NO	Dropdown Menu: Node -> Node Coloring (Selecting Demos)	Default	Node coloring should be disabled
ı	n12 NO	Dropdown Menu: Node -> Node Coloring (Selecting Demos)	Dropdown Menu: Demo - > Demo #1	Node coloring should be enabled
I	n12 NO	Dropdown Menu: Node -> Node Coloring (Selecting Demos)	Dropdown Menu: Demo - > Demo #2	Node coloring should be enabled
ı	n12 NO	Dropdown Menu: Node -> Node Coloring (Selecting Demos)	Dropdown Menu: Demo - > Demo #3	Node coloring should be enabled
I	n12 NO	Dropdown Menu: Node -> Node Coloring (Selecting Demos)	Dropdown Menu: Demo - > Demo #4	Node coloring should be enabled
ı	n12 NO	Dropdown Menu: Node -> Node Coloring (Selecting Demos)	Dropdown Menu: Demo - > Demo #5	Node coloring should be disabled
ı	n12 NO	Dropdown Menu: Node -> Node Coloring (Selecting Demos)	Sidebar Menu: Network - > Demo -> Demo #1	Node coloring should be enabled
		Dropdown Menu: Node	Sidebar Menu: Network -	

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n12 NO	-> Node Coloring (Selecting Demos)	> Demo -> Demo #2	Node coloring should be enabled
n12 NO	Dropdown Menu: Node -> Node Coloring (Selecting Demos)	Sidebar Menu: Network - > Demo -> Demo #3	Node coloring should be enabled
n12 NO	Dropdown Menu: Node -> Node Coloring (Selecting Demos)	Sidebar Menu: Network - > Demo -> Demo #4	Node coloring should be enabled
n12 NO	Dropdown Menu: Node -> Node Coloring (Selecting Demos)	Sidebar Menu: Network - > Demo -> Demo #5	Node coloring should be disabled
n13 NO	Sidebar Menu: Node Coloring (Loading From Database)	Default	Node coloring should be disabled, when loading from database
n13 NO	Sidebar Menu: Node Coloring (Loading From Database)	Dropdown Menu: Load From Database -> Network Type: Gene Regulatory	Node coloring should be enabled, when loading from database
n13 NO	Sidebar Menu: Node Coloring (Loading From Database)	Dropdown Menu: Load From Database -> Network Type: Protein- Protein Physical Interactions	Node coloring should be disabled, when loading from database
n13 NO	Sidebar Menu: Node Coloring (Loading From Database)	Sidebar Menu: Network - > Load From Database - > Network Type: Gene Regulatory	Node coloring should be enabled, when loading from database
n13 NO	Sidebar Menu: Node Coloring (Loading From Database)	Sidebar Menu: Network - > Load From Database - > Network Type: Protein- Protein Physical Interactions	Node coloring should be disabled, when loading from database
n14 NO	Dropdown Menu: Node -> Node Coloring (Loading From Database)	Default	Node coloring should be disabled, when loading from database
n14 NO	Dropdown Menu: Node -> Node Coloring (Loading From Database)	Dropdown Menu: Load From Database -> Network Type: Gene Regulatory	Node coloring should be enabled, when loading from database
n14 NO	Dropdown Menu: Node -> Node Coloring (Loading From Database)	Dropdown Menu: Load From Database -> Network Type: Protein- Protein Physical Interactions	Node coloring should be disabled, when loading from database
n14 NO	Dropdown Menu: Node -> Node Coloring (Loading From Database)	Sidebar Menu: Network - > Load From Database - > Network Type: Gene Regulatory	Node coloring should be enabled, when loading from database

n14 NO	Dropdown Menu: Node -> Node Coloring (Loading From Database)	Sidebar Menu: Network - > Load From Database - > Network Type: Protein- Protein Physical Interactions	Node coloring should be disabled, when loading from database
n15 NO	Sidebar Menu: Node Coloring (Opening File)	Default	Node coloring should be disabled, when opening file
n15 NO	Sidebar Menu: Node Coloring (Opening File)	Dropdown Menu: Open File	Node coloring should be enabled if the relationship is not pp, otherwise be disabled, when opening file
n15 NO	Sidebar Menu: Node Coloring (Opening File)	Sidebar Menu: Network - > Open File	Node coloring should be enabled if the relationship is not pp, otherwise be disabled, when opening file
n16 NO	Dropdown Menu: Node -> Node Coloring (Network Mode: Protein-Protein Physical Interactions)	Default	Node coloring should be disabled, when network mode is Protein-Protein Physical Interactions
n16 NO	Dropdown Menu: Node -> Node Coloring (Network Mode: Protein-Protein Physical Interactions)	Check	Node coloring should be enabled with warning message, when network mode is Protein-Protein Physical Interactions
n16 NO	Dropdown Menu: Node -> Node Coloring (Network Mode: Protein-Protein Physical Interactions)	Uncheck	Node coloring should be disabled., when network mode is Protein-Protein Physical Interactions
n17 NO	Sidebar Menu: Node Coloring (Network Mode: Protein-Protein Physical Interactions)	Default	Node coloring should be enabled, when network mode is Protein-Protein Physical Interactions
n17 NO	Sidebar Menu: Node Coloring (Network Mode: Protein-Protein Physical Interactions)	Check	Node coloring should be enabled without warning message, when network mode is Protein-Protein Physical Interactions
n17 NO	Sidebar Menu: Node Coloring (Network Mode: Protein-Protein Physical Interactions)	Uncheck	Node coloring should be disabled., when network mode is Protein-Protein Physical Interactions
v1 NO	Sidebar Menu: Restrict Graph to Viewport Checkbox	Check	The graph bounding box should always be contained within the viewport.
v1 NO	Sidebar Menu: Restrict Graph to Viewport Checkbox	Uncheck	The graph bounding box should be allowed to extend past the viewport
v2 NO	Sidebar Menu: Viewport Size	Keep as Detected	Upon loading or reloading the GRNsight webpage, the viewport size should be automatically detected and set to small, medium, or large, based on the size of the

browser window.

					browser window.
,	v2	NO	Sidebar Menu: Viewport Size	Select "Small"	The viewport size should be set to small
,	v2	NO	Sidebar Menu: Viewport Size	Select "Medium"	The viewport size should be set to medium
,	v2	NO	Sidebar Menu: Viewport Size	Select "Large"	The viewport size should be set to large
,	v2	NO	Sidebar Menu: Viewport Size	Select "Fit to Window"	The viewport size should automatically be set to the size of the browser window Upon loading or reloading the GRNsight
,	v3	YES	Dropdown Menu: View -> Viewport Size	Keep as Detected	webpage, the viewport size should be automatically detected and set to small, medium, or large, based on the size of the browser window.
,	v3	YES	Dropdown Menu: View -> Viewport Size	Check "Small"	The viewport size should be set to small
,	v3	YES	Dropdown Menu: View -> Viewport Size	Check "Medium"	The viewport size should be set to medium
,	v3	YES	Dropdown Menu: View -> Viewport Size	Check "Large"	The viewport size should be set to large
,	v3	YES	Dropdown Menu: View -> Viewport Size	Check "Fit to Window"	The viewport size should automatically be set to the size of the browser window
,	v4	YES	Dropdown Menu: View -> Restrict Graph to Viewport	Check	The graph should always be contained within the viewport.
,	v4	YES	Dropdown Menu: View -> Restrict Graph to Viewport	Uncheck	The graph should be allowed to extend past the viewport
,	v5	NO	Dropdown Menu: View -> Zoom	Enter Zoom Value, then Press Enter	The viewport should should zoom according to the value
,	vp1	NO	Viewport Menu: D-Pad Control	Click Right Arrow	The graph should shift to the right
,	vp1	NO	Viewport Menu: D-Pad Control	Click Left Arrow	The graph should shift to the left
,	vp1	NO	Viewport Menu: D-Pad Control	Click Up Arrow	The graph should shift down
,	vp1	NO	Viewport Menu: D-Pad Control	Click Down Arrow	The graph should shift up
,	vp1	NO	Viewport Menu: D-Pad Control	Click Center Button	The graph should move to the center of the bounding box (note that it is not the same thing as the viewport
,	vp2	NO	Viewport Menu: Zoom Slider	Increase Zoom Level	The graph should zoom in (get larger)
,	vp2	NO	Viewport Menu: Zoom Slider	Decrease Zoom Level	The graph should zoom out (get smaller)
,	vр3	NO	Viewport Menu: Node	No Click	
,	vp3	NO	Viewport Menu: Node	Right Click	Gene information page should appear in a new tab within the browser.

GRNsight Function Availability Table

GRNsight Function	No Graph Loaded	Weighted Graph Loaded	Unweighted Graph Loaded	PPI Graph Loaded
Dropdown Menu: Edge -> Enable Edge Coloring Based on Weight Value - Check	YES	YES	YES	NO
Dropdown Menu: Edge -> Enable Edge Coloring Based on Weight Value - Uncheck	YES	YES	YES	NO
Sidebar Menu: Enable Edge Coloring - Check	YES	YES	YES	NO
Sidebar Menu: Enable Edge Coloring - Uncheck	YES	YES	YES	NO
Sidebar Menu: Hide/Show Edge Weights - Select "Show With Mouse Over"	NO	YES	NO	NO
Sidebar Menu: Hide/Show Edge Weights - Select "Always Show Edge Weights"	NO	YES	NO	NO
Sidebar Menu: Hide/Show Edge Weights - Select "Never Show Edge Weights"	NO	YES	NO	NO
Dropdown Menu: Edge -> Hide/Show Edge Weights - Check "Show With Mouse Over"	NO	YES	NO	NO
Dropdown Menu: Edge -> Hide/Show Edge Weights - Check "Always Show Edge Weights"	NO	YES	NO	NO
Dropdown Menu: Edge -> Hide/Show Edge Weights - Check "Never Show Edge Weights"	NO	YES	NO	NO
Sidebar Menu: Edge Weight Normalization Factor - Enter a Number in the Box and Click "Set Factor" button	NO	YES	NO	NO
Dropdown Menu: Edge -> Edge Weight Normalization Factor - Enter a Number in the Box and Press Enter	NO	YES	NO	NO
Sidebar Menu: Reset Factor Button - Click	NO	YES	NO	NO
Dropdown Menu: Edge -> Reset Edge Weight Normalization - Click	NO	YES	NO	NO
Sidebar Menu: Gray Threshold Slider - Change the Grey Threshold Value	NO	YES	NO	NO
Dropdown Menu: Edge -> Gray Threshold Input Box - Change the Grey Threshold Value and Press Enter	NO	YES	NO	NO
Sidebar Menu: Show Grey Edges as Dashed Checkbox - Uncheck	NO	YES	NO	NO
Sidebar Menu: Show Grey Edges as Dashed Checkbox - Check	NO	YES	NO	NO
Dropdown Menu: Edge -> Show Grey Edges as Dashed - Uncheck	NO	YES	NO	NO
Dropdown Menu: Edge -> Show Grey Edges as Dashed - Check	NO	YES	NO	NO
Dropdown Menu: Help - Select "Getting Started"	YES	YES	YES	YES
Dropdown Menu: Help - Select "GRNsight Wiki"	YES	YES	YES	YES
Dropdown Menu: Help - Select "About GRNsight"	YES	YES	YES	YES
Load Graph - None	YES	YES	YES	YES
Load Graph - Dropdown Menu: Network -> Demo -> Demo #1	YES	YES	YES	YES
Load Graph - Dropdown Menu: Network -> Demo -> Demo #2	YES	YES	YES	YES
Load Graph - Dropdown Menu: Network -> Demo -> Demo #3	YES	YES	YES	YES
Load Graph - Dropdown Menu: Network -> Demo -> Demo #4	YES	YES	YES	YES

Load Graph - Dropdown Menu: Network -> Demo -> Demo #5	YES	YES	YES	YES
Load Graph - Dropdown Menu: Network -> Open File	YES	YES	YES	YES
Load Graph - Dropdwon Menu: Network -> Load From Database	YES	YES	YES	YES
Load Graph - Dropdown Menu: Demo -> Demo #1	YES	YES	YES	YES
Load Graph - Dropdown Menu: Demo -> Demo #2	YES	YES	YES	YES
Load Graph - Dropdown Menu: Demo -> Demo #3	YES	YES	YES	YES
Load Graph - Dropdown Menu: Demo -> Demo #4	YES	YES	YES	YES
Load Graph - Dropdown Menu: Demo -> Demo #5	YES	YES	YES	YES
Load Graph - Sidebar Menu: Network -> Demo -> Demo #1	YES	YES	YES	YES
Load Graph - Sidebar Menu: Network -> Demo -> Demo #2	YES	YES	YES	YES
Load Graph - Sidebar Menu: Network -> Demo -> Demo #3	YES	YES	YES	YES
Load Graph - Sidebar Menu: Network -> Demo -> Demo #4	YES	YES	YES	YES
Load Graph - Sidebar Menu: Network -> Demo -> Demo #5	YES	YES	YES	YES
Load Graph - Sidebar Menu: Network -> Open File	YES	YES	YES	YES
Load Graph - Sidebar Menu: Network -> Load From Database	YES	YES	YES	YES
Reload Graph - Dropdown Menu: Network -> Reload	NO	YES	YES	YES
Reload Graph - Sidebar Menu: Network -> Reload	NO	YES	YES	YES
Dropdown Menu: Export -> Export Data (Gene Regulatory Network) - Select "To Unweighted SIF"	NO	YES	YES	NO
Dropdown Menu: Export -> Export Data (Gene Regulatory Network) - Select "To Weighted SIF"	NO	YES	YES	NO
Dropdown Menu: Export -> Export Data (Gene Regulatory Network) - Select "To Unweighted GraphML"	NO	YES	YES	NO
Dropdown Menu: Export -> Export Data (Gene Regulatory Network) - Select "To Weighted GraphML"	NO	YES	YES	NO
Dropdown Menu: Export -> Export Data (Gene Regulatory Network) - Select "To Excel"	NO	YES	YES	NO
Dropdown Menu: Export -> Export Data (Protein-Protein Interaction Network) - Select "To Unweighted SIF"	NO	YES	YES	YES
Dropdown Menu: Export -> Export Data (Protein-Protein Interaction Network) - Select "To Weighted SIF"		YES	YES	YES
Dropdown Menu: Export -> Export Data (Protein-Protein Interaction Network) - Select "To Unweighted GraphML"		YES	YES	YES
Dropdown Menu: Export -> Export Data (Protein-Protein Interaction Network) - Select "To Weighted GraphML"	NO	YES	YES	YES
Dropdown Menu: Export -> Export Data (Protein-Protein Interaction Network) - Select "To Excel"	NO	YES	YES	YES
Dropdown Menu: Export -> Export Image - Select "To PNG"	NO	YES	YES	YES
Dropdown Menu: Export -> Export Image - Select "To SVG"	NO	YES	YES	YES
Dropdown Menu: Export -> Export Image - Select "To PDF"	NO	YES	YES	YES
Dropdown Menu: Export -> Print - Select	NO	YES	YES	YES
Sidebar Menu: Grid Layout - Keep at Default	YES	YES	YES	YES
Sidebar Menu: Grid Layout - Click Grid Layout Button	YES	YES	YES	YES
Sidebar Menu: Grid Layout - Click Force Graph Layout Button	YES	YES	YES	YES
Dropdown Menu: Layout -> Graph Options - Keep at Default	NO	YES	YES	YES
Dropdown Menu: Layout -> Graph Options - Grid Layout	NO	YES	YES	YES

Dropdown Menu: Layout -> Graph Options - Force Graph	NO	YES	YES	YES
Dropdown Menu: Layout -> Lock Force Graph Parameters - Check "Lock Force Graph Parameters"	NO	YES	YES	YES
Dropdown Menu: Layout -> Lock Force Graph Parameters -	NO	YES	YES	YES
Uncheck "Lock Force Graph Parameters" Dropdown Menu: Layout -> Reset Force Graph Parameters - Click				
"Reset Force Graph Parameters"	YES	YES	YES	YES
Drandown Manus Lavout > Linda Pagat, Click "Linda Pagat"	YES	YES	YES	YES
Dropdown Menu: Layout -> Undo Reset - Click "Undo Reset" Dropdown Menu: Layout -> Link Distance - Input Value, then Press				
Enter	YES	YES	YES	YES
Dropdown Menu: Layout -> Charge - Input Value, then Press Enter	YES	YES	YES	YES
Sidebar Menu: Force Graph Parameter Sliders - Keep at Default Values	YES	YES	YES	YES
Sidebar Menu: Force Graph Parameter Sliders - Decrease Link Distance	YES	YES	YES	YES
Sidebar Menu: Force Graph Parameter Sliders - Increase Link Distance	YES	YES	YES	YES
Sidebar Menu: Force Graph Parameter Sliders - Increase Charge	YES	YES	YES	YES
Sidebar Menu: Force Graph Parameter Sliders - Decrease Charge	YES	YES	YES	YES
Sidebar Menu: Lock Force Graph Parameters Checkbox - Check	YES	YES	YES	YES
Sidebar Menu: Lock Force Graph Parameters Checkbox - Uncheck	YES	YES	YES	YES
Sidebar Menu: Reset Force Graph Parameters Button - Click	YES	YES	YES	YES
Sidebar Menu: Undo Reset Button - Click	YES	YES	YES	YES
Sidebar Menu: Network -> Network Mode (Demos) - Default when no graph is shown	NO	YES	YES	YES
Sidebar Menu: Network -> Network Mode (Demos) - Dropdown Menu: Demo -> Demo #1	NO	YES	YES	YES
Sidebar Menu: Network -> Network Mode (Demos) - Dropdown Menu: Demo -> Demo #2	NO	YES	YES	YES
Sidebar Menu: Network -> Network Mode (Demos) - Dropdown Menu: Demo -> Demo #3	NO	YES	YES	YES
Sidebar Menu: Network -> Network Mode (Demos) - Dropdown Menu: Demo -> Demo #4	NO	YES	YES	YES
Sidebar Menu: Network -> Network Mode (Demos) - Dropdown Menu: Demo -> Demo #5	NO	YES	YES	YES
Sidebar Menu: Network -> Network Mode (Demos) - Sidebar Menu: Network -> Demo -> Demo #1	NO	YES	YES	YES
Sidebar Menu: Network -> Network Mode (Demos) - Sidebar Menu: Network -> Demo -> Demo #2	NO	YES	YES	YES
Sidebar Menu: Network -> Network Mode (Demos) - Sidebar Menu: Network -> Demo -> Demo #3	NO	YES	YES	YES
Sidebar Menu: Network -> Network Mode (Demos) - Sidebar Menu: Network -> Demo -> Demo #4	NO	YES	YES	YES
Sidebar Menu: Network -> Network Mode (Demos) - Sidebar Menu: Network -> Demo -> Demo #5	NO	YES	YES	YES
Dropdown Menu: Network -> Network Mode (Demos) - Default	NO	YES	YES	YES

when no graph is shown				
Dropdown Menu: Network -> Network Mode (Demos) - Dropdown Menu: Demo -> Demo #1	NO	YES	YES	YES
Dropdown Menu: Network -> Network Mode (Demos) - Dropdown Menu: Demo -> Demo #2	NO	YES	YES	YES
Dropdown Menu: Network -> Network Mode (Demos) - Dropdown Menu: Demo -> Demo #3	NO	YES	YES	YES
Dropdown Menu: Network -> Network Mode (Demos) - Dropdown Menu: Demo -> Demo #4	NO	YES	YES	YES
Dropdown Menu: Network -> Network Mode (Demos) - Dropdown Menu: Demo -> Demo #5	NO	YES	YES	YES
Dropdown Menu: Network -> Network Mode (Demos) - Sidebar Menu: Network -> Demo -> Demo #1	NO	YES	YES	YES
Dropdown Menu: Network -> Network Mode (Demos) - Sidebar Menu: Network -> Demo -> Demo #2	NO	YES	YES	YES
Dropdown Menu: Network -> Network Mode (Demos) - Sidebar Menu: Network -> Demo -> Demo #3	NO	YES	YES	YES
Dropdown Menu: Network -> Network Mode (Demos) - Sidebar Menu: Network -> Demo -> Demo #4	NO	YES	YES	YES
Dropdown Menu: Network -> Network Mode (Demos) - Sidebar Menu: Network -> Demo -> Demo #5	NO	YES	YES	YES
Sidebar Menu: Network -> Network Mode (Open Files) - Default when no graph is shown	NO	YES	YES	YES
Sidebar Menu: Network -> Network Mode (Open Files) - Dropdown Menu: Open File	NO	YES	YES	YES
Sidebar Menu: Network -> Network Mode (Open Files) - Sidebar Menu: Network -> Open File	NO	YES	YES	YES
Dropdown Menu: Network -> Network Mode (Open Files) - Default when no graph is shown	NO	YES	YES	YES
Dropdown Menu: Network -> Network Mode (Open Files) - Dropdown Menu: Open File	NO	YES	YES	YES
Dropdown Menu: Network -> Network Mode (Open Files) - Sidebar Menu: Network -> Open File	NO	YES	YES	YES
Sidebar Menu: Network -> Network Mode (Load from Database) - Default when no graph is shown	NO	YES	YES	NO
Sidebar Menu: Network -> Network Mode (Load from Database) - Sidebar Menu: Network -> Load From Database -> Network Type: Gene Regulatory	NO	YES	YES	NO
Sidebar Menu: Network -> Network Mode (Load from Database) - Sidebar Menu: Network -> Load From Database -> Network Type: Protein-Protein Physical Interactions	NO	YES	YES	NO
Dropdown Menu: Network -> Network Mode (Load from Database) - Default when no graph is shown	NO	YES	YES	YES
Dropdown Menu: Network -> Network Mode (Load from Database) - Dropdown Menu: Load From Database -> Network Type: Gene Regulatory	NO	YES	YES	YES
Dropdown Menu: Network -> Network Mode (Load from Database) - Dropdown Menu: Load From Database -> Network Type: Protein-	NO	YES	YES	YES

Protein Physical Interactions				
Dropdown Menu: Network -> Network Mode (Load from Database) - Sidebar Menu: Network -> Load From Database -> Network Type: Gene Regulatory	NO	YES	YES	YES
Dropdown Menu: Network -> Network Mode (Load from Database) - Sidebar Menu: Network -> Load From Database -> Network Type: Protein-Protein Physical Interactions	NO	YES	YES	YES
Sidebar Menu: Top Dataset - Keep Default Selection	NO	YES	YES	YES
Sidebar Menu: Top Dataset - Select Top Dataset from Dropdown List	NO	YES	YES	YES
Dropdown Menu: Node -> Select Top Dataset - Keep Default Selection	NO	YES	YES	YES
Dropdown Menu: Node -> Select Top Dataset - Check New Top Dataset from Dropdown List	NO	YES	YES	YES
Sidebar Menu: Bottom Dataset - Keep Default Selection	NO	YES	YES	YES
Sidebar Menu: Bottom Dataset - Select Bottom Dataset from Dropdown List	NO	YES	YES	YES
Dropdown Menu: Node -> Select Bottom Dataset - Keep Default Selection	NO	YES	YES	NO
Dropdown Menu: Node -> Select Bottom Dataset - Check New Bottom Dataset from Dropdown List	NO	YES	YES	NO
Sidebar Menu: Log Fold Change Max Value - Keep Default Value	NO	YES	YES	YES
Sidebar Menu: Log Fold Change Max Value - Increase Log Fold Change Max Value	NO	YES	YES	YES
Sidebar Menu: Log Fold Change Max Value - Decrease Log Fold Change Max Value	NO	YES	YES	YES
Dropdown Menu: Node -> Log Fold Change Max Value - Keep Default Value	NO	YES	YES	YES
Dropdown Menu: Node -> Log Fold Change Max Value - Increase Log Fold Change Max Value	NO	YES	YES	YES
Dropdown Menu: Node -> Log Fold Change Max Value - Decrease Log Fold Change Max Value	NO	YES	YES	YES
Sidebar Menu: Average Replicates Values (Top Dataset) - Check	NO	YES	YES	YES
Sidebar Menu: Average Replicates Values (Top Dataset) - Uncheck	NO	YES	YES	YES
Dropdown Menu: Node -> Average Replicates Values (Top Dataset) - Check	NO	YES	YES	YES
Dropdown Menu: Node -> Average Replicates Values (Top Dataset) - Uncheck	NO	YES	YES	YES
Sidebar Menu: Average Replicates Values (Bottom Dataset) - Check	NO	YES	YES	NO
Sidebar Menu: Average Replicates Values (Bottom Dataset) - Uncheck	NO	YES	YES	NO
Dropdown Menu: Node -> Average Replicates Values (Bottom Dataset) - Check	NO	YES	YES	YES
Dropdown Menu: Node -> Average Replicates Values (Bottom Dataset) - Uncheck	NO	YES	YES	YES
Sidebar Menu: Node Coloring (Demos) - Default	NO	YES	YES	NO

Sidebar Menu: Node Coloring (Demos) - Dropdown Menu: Demo -> Demo #1	NO	YES	YES	NO
Sidebar Menu: Node Coloring (Demos) - Dropdown Menu: Demo -> Demo #2	NO	YES	YES	NO
Sidebar Menu: Node Coloring (Demos) - Dropdown Menu: Demo -> Demo #3	NO	YES	YES	NO
Sidebar Menu: Node Coloring (Demos) - Dropdown Menu: Demo -> Demo #4	NO	YES	YES	NO
Sidebar Menu: Node Coloring (Demos) - Dropdown Menu: Demo -> Demo #5	NO	YES	YES	NO
Sidebar Menu: Node Coloring (Demos) - Sidebar Menu: Network - > Demo -> Demo #1	NO	YES	YES	NO
Sidebar Menu: Node Coloring (Demos) - Sidebar Menu: Network - > Demo -> Demo #2	NO	YES	YES	NO
Sidebar Menu: Node Coloring (Demos) - Sidebar Menu: Network - > Demo -> Demo #3	NO	YES	YES	NO
Sidebar Menu: Node Coloring (Demos) - Sidebar Menu: Network - > Demo -> Demo #4	NO	YES	YES	NO
Sidebar Menu: Node Coloring (Demos) - Sidebar Menu: Network - > Demo -> Demo #5	NO	YES	YES	NO
Dropdown Menu: Node -> Node Coloring (Selecting Demos) - Default	NO	YES	YES	NO
Dropdown Menu: Node -> Node Coloring (Selecting Demos) - Dropdown Menu: Demo -> Demo #1	NO	YES	YES	NO
Dropdown Menu: Node -> Node Coloring (Selecting Demos) - Dropdown Menu: Demo -> Demo #2	NO	YES	YES	NO
Dropdown Menu: Node -> Node Coloring (Selecting Demos) - Dropdown Menu: Demo -> Demo #3	NO	YES	YES	NO
Dropdown Menu: Node -> Node Coloring (Selecting Demos) - Dropdown Menu: Demo -> Demo #4	NO	YES	YES	NO
Dropdown Menu: Node -> Node Coloring (Selecting Demos) - Dropdown Menu: Demo -> Demo #5	NO	YES	YES	NO
Dropdown Menu: Node -> Node Coloring (Selecting Demos) - Sidebar Menu: Network -> Demo -> Demo #1	NO	YES	YES	NO
Dropdown Menu: Node -> Node Coloring (Selecting Demos) - Sidebar Menu: Network -> Demo -> Demo #2	NO	YES	YES	NO
Dropdown Menu: Node -> Node Coloring (Selecting Demos) - Sidebar Menu: Network -> Demo -> Demo #3	NO	YES	YES	NO
Dropdown Menu: Node -> Node Coloring (Selecting Demos) - Sidebar Menu: Network -> Demo -> Demo #4	NO	YES	YES	NO
Dropdown Menu: Node -> Node Coloring (Selecting Demos) - Sidebar Menu: Network -> Demo -> Demo #5	NO	YES	YES	NO
Sidebar Menu: Node Coloring (Loading From Database) - Default	NO	YES	YES	NO
Sidebar Menu: Node Coloring (Loading From Database) - Dropdown Menu: Load From Database -> Network Type: Gene Regulatory	NO	YES	YES	NO
Sidebar Menu: Node Coloring (Loading From Database) -				
Dropdown Menu: Load From Database -> Network Type: Protein-	NO	YES	YES	NO

Protein Physical Interactions				
Sidebar Menu: Node Coloring (Loading From Database) - Sidebar	NO	\/F0	\/F0	NO
Menu: Network -> Load From Database -> Network Type: Gene Regulatory	NO	YES	YES	NO
Sidebar Menu: Node Coloring (Loading From Database) - Sidebar				
Menu: Network -> Load From Database -> Network Type: Protein-	NO	YES	YES	NO
Protein Physical Interactions Dropdown Menu: Node -> Node Coloring (Loading From				
Database) - Default	NO	YES	YES	NO
Dropdown Menu: Node -> Node Coloring (Loading From				
Database) - Dropdown Menu: Load From Database -> Network Type: Gene Regulatory	NO	YES	YES	NO
Dropdown Menu: Node -> Node Coloring (Loading From	NO	\/F0	\/F0	NO
Database) - Dropdown Menu: Load From Database -> Network Type: Protein-Protein Physical Interactions	NO	YES	YES	NO
Dropdown Menu: Node -> Node Coloring (Loading From				
Database) - Sidebar Menu: Network -> Load From Database -> Network Type: Gene Regulatory	NO	YES	YES	NO
Dropdown Menu: Node -> Node Coloring (Loading From				
Database) - Sidebar Menu: Network -> Load From Database -> Network Type: Protein-Protein Physical Interactions	NO	YES	YES	NO
Sidebar Menu: Node Coloring (Opening File) - Default	NO	YES	YES	NO
Sidebar Menu: Node Coloring (Opening File) - Dropdown Menu:	NO	YES	YES	NO
Open File		. 20	. 20	
Sidebar Menu: Node Coloring (Opening File) - Sidebar Menu: Network -> Open File	NO	YES	YES	NO
Dropdown Menu: Node -> Node Coloring (Network Mode: Protein- Protein Physical Interactions) - Default	NO	YES	YES	YES
Dropdown Menu: Node -> Node Coloring (Network Mode: Protein-Protein Physical Interactions) - Check	NO	YES	YES	YES
Dropdown Menu: Node -> Node Coloring (Network Mode: Protein-Protein Physical Interactions) - Uncheck	NO	YES	YES	YES
Sidebar Menu: Node Coloring (Network Mode: Protein-Protein	NO	YES	YES	NO
Physical Interactions) - Default				
Sidebar Menu: Node Coloring (Network Mode: Protein-Protein Physical Interactions) - Check	NO	YES	YES	NO
Sidebar Menu: Node Coloring (Network Mode: Protein-Protein	NO	YES	YES	NO
Physical Interactions) - Uncheck				
Sidebar Menu: Restrict Graph to Viewport Checkbox - Check	YES	YES	YES	YES
Sidebar Menu: Restrict Graph to Viewport Checkbox - Uncheck	YES	YES	YES	YES
Sidebar Menu: Viewport Size - Keep as Detected	YES	YES	YES	YES
Sidebar Menu: Viewport Size - Select "Small"	YES	YES	YES	YES
Sidebar Menu: Viewport Size - Select "Medium"	YES	YES	YES	YES
Sidebar Menu: Viewport Size - Select "Large"	YES	YES	YES	YES
Sidebar Menu: Viewport Size - Select "Fit to Window"	YES	YES	YES	YES
Dropdown Menu: View -> Viewport Size - Keep as Detected	YES	YES	YES	YES
Dropdown Menu: View -> Viewport Size - Check "Small"	YES	YES	YES	YES
Dropdown Menu: View -> Viewport Size - Check "Medium"	YES	YES	YES	YES

Dropdown Menu: View -> Viewport Size - Check "Large"	YES	YES	YES	YES
Dropdown Menu: View -> Viewport Size - Check "Fit to Window"	YES	YES	YES	YES
Dropdown Menu: View -> Restrict Graph to Viewport - Check	YES	YES	YES	YES
Dropdown Menu: View -> Restrict Graph to Viewport - Uncheck	YES	YES	YES	YES
Dropdown Menu: View -> Zoom - Enter Zoom Value, then Press Enter	NO	YES	YES	YES
Viewport Menu: D-Pad Control - Click Right Arrow	NO	YES	YES	YES
Viewport Menu: D-Pad Control - Click Left Arrow	NO	YES	YES	YES
Viewport Menu: D-Pad Control - Click Up Arrow	NO	YES	YES	YES
Viewport Menu: D-Pad Control - Click Down Arrow	NO	YES	YES	YES
Viewport Menu: D-Pad Control - Click Center Button	NO	YES	YES	YES
Viewport Menu: Zoom Slider - Increase Zoom Level	NO	YES	YES	YES
Viewport Menu: Zoom Slider - Decrease Zoom Level	NO	YES	YES	YES
Viewport Menu: Node - No Click	NO	YES	YES	YES
Viewport Menu: Node - Right Click	NO	YES	YES	YES

Client Side Tests

Test 1

Instructions:

- Sidebar Menu: Grid Layout Keep at Default
- Dropdown Menu: View -> Viewport Size Keep as Detected
- Dropdown Menu: View -> Restrict Graph to Viewport Check

Results:

- The graph should default to force graph layout
- Upon loading or reloading the GRNsight webpage, the viewport size should be automatically detected and set to small, medium, or large, based on the size of the browser window.
- The graph should always be contained within the viewport.

Test 2

Instructions:

- Sidebar Menu: Grid Layout Click Grid Layout Button
- Dropdown Menu: View -> Viewport Size Keep as Detected
- Dropdown Menu: View -> Restrict Graph to Viewport Check

Results:

- The graph should change to grid layout
- Upon loading or reloading the GRNsight webpage, the viewport size should be automatically detected and set to small, medium, or large, based on the size of the browser window.
- The graph should always be contained within the viewport.

Test 3

Instructions:

- Sidebar Menu: Grid Layout Click Force Graph Layout Button
- Dropdown Menu: View -> Viewport Size Keep as Detected
- Dropdown Menu: View -> Restrict Graph to Viewport Check

Results:

- The graph should change to force graph layout
- Upon loading or reloading the GRNsight webpage, the viewport size should be automatically detected and set to small, medium, or large, based on the size of the browser window.
- The graph should always be contained within the viewport.

Test 4

Instructions:

- Sidebar Menu: Grid Layout Keep at Default
- Dropdown Menu: View -> Viewport Size Check "Small"
- Dropdown Menu: View -> Restrict Graph to Viewport Check

Results:

- The graph should default to force graph layout
- The viewport size should be set to small
- The graph should always be contained within the viewport.

Test 5

Instructions:

- Sidebar Menu: Grid Layout Click Grid Layout Button
- Dropdown Menu: View -> Viewport Size Check "Small"
- Dropdown Menu: View -> Restrict Graph to Viewport Check

Results:

- The graph should change to grid layout
- The viewport size should be set to small
- The graph should always be contained within the viewport.

Test 6

Instructions:

- Sidebar Menu: Grid Layout Click Force Graph Layout Button
- Dropdown Menu: View -> Viewport Size Check "Small"
- Dropdown Menu: View -> Restrict Graph to Viewport Check

Results:

- The graph should change to force graph layout
- The viewport size should be set to small
- The graph should always be contained within the viewport.

Test 7

Instructions:

- Sidebar Menu: Grid Layout Keep at Default
- Dropdown Menu: View -> Viewport Size Check "Medium"
- Dropdown Menu: View -> Restrict Graph to Viewport Check

Results:

- The graph should default to force graph layout
- The viewport size should be set to medium
- The graph should always be contained within the viewport.

Test 8

Instructions:

- Sidebar Menu: Grid Layout Click Grid Layout Button
- Dropdown Menu: View -> Viewport Size Check "Medium"
- Dropdown Menu: View -> Restrict Graph to Viewport Check

Results:

- The graph should change to grid layout
- The viewport size should be set to medium
- The graph should always be contained within the viewport.

Test 9

Instructions:

- Sidebar Menu: Grid Layout Click Force Graph Layout Button
- Dropdown Menu: View -> Viewport Size Check "Medium"
- Dropdown Menu: View -> Restrict Graph to Viewport Check

Results:

- The graph should change to force graph layout
- The viewport size should be set to medium
- The graph should always be contained within the viewport.

Test 10

Instructions:

- Sidebar Menu: Grid Layout Keep at Default
- Dropdown Menu: View -> Viewport Size Check "Large"
- Dropdown Menu: View -> Restrict Graph to Viewport Check

Results:

- The graph should default to force graph layout
- The viewport size should be set to large
- The graph should always be contained within the viewport.

Test 11

Instructions:

- Sidebar Menu: Grid Layout Click Grid Layout Button
- Dropdown Menu: View -> Viewport Size Check "Large"
- Dropdown Menu: View -> Restrict Graph to Viewport Check

Results:

- The graph should change to grid layout
- The viewport size should be set to large
- The graph should always be contained within the viewport.

Test 12

Instructions:

- Sidebar Menu: Grid Layout Click Force Graph Layout Button
- Dropdown Menu: View -> Viewport Size Check "Large"
- Dropdown Menu: View -> Restrict Graph to Viewport Check

Results:

- The graph should change to force graph layout
- The viewport size should be set to large
- The graph should always be contained within the viewport.

Test 13

Instructions:

- Sidebar Menu: Grid Layout Keep at Default
- Dropdown Menu: View -> Viewport Size Check "Fit to Window"
- Dropdown Menu: View -> Restrict Graph to Viewport Check

Results:

- The graph should default to force graph layout
- The viewport size should automatically be set to the size of the browser window
- The graph should always be contained within the viewport.

Test 14

Instructions:

- Sidebar Menu: Grid Layout Click Grid Layout Button
- Dropdown Menu: View -> Viewport Size Check "Fit to Window"
- Dropdown Menu: View -> Restrict Graph to Viewport Check

Results:

- The graph should change to grid layout
- The viewport size should automatically be set to the size of the browser window
- The graph should always be contained within the viewport.

Test 15

Instructions:

- Sidebar Menu: Grid Layout Click Force Graph Layout Button
- Dropdown Menu: View -> Viewport Size Check "Fit to Window"
- Dropdown Menu: View -> Restrict Graph to Viewport Check

Results:

- The graph should change to force graph layout
- The viewport size should automatically be set to the size of the browser window
- The graph should always be contained within the viewport.

Test 16

Instructions:

- Sidebar Menu: Grid Layout Keep at Default
- Dropdown Menu: View -> Viewport Size Keep as Detected
- Dropdown Menu: View -> Restrict Graph to Viewport Uncheck

Results:

- The graph should default to force graph layout
- Upon loading or reloading the GRNsight webpage, the viewport size should be automatically detected and set to small, medium, or large, based on the size of the browser window.
- The graph should be allowed to extend past the viewport

Test 17

Instructions:

- Sidebar Menu: Grid Layout Click Grid Layout Button
- Dropdown Menu: View -> Viewport Size Keep as Detected
- Dropdown Menu: View -> Restrict Graph to Viewport Uncheck

Results:

- The graph should change to grid layout
- Upon loading or reloading the GRNsight webpage, the viewport size should be automatically detected and set to small, medium, or large, based on the size of the browser window.
- The graph should be allowed to extend past the viewport

Test 18

Instructions:

- Sidebar Menu: Grid Layout Click Force Graph Layout Button
- Dropdown Menu: View -> Viewport Size Keep as Detected
- Dropdown Menu: View -> Restrict Graph to Viewport Uncheck

- The graph should change to force graph layout
- Upon loading or reloading the GRNsight webpage, the viewport size should be automatically detected and set to small, medium, or large, based on the size of the browser window.

The graph should be allowed to extend past the viewport

Test 19

Instructions:

- Sidebar Menu: Grid Layout Keep at Default
- Dropdown Menu: View -> Viewport Size Check "Small"
- Dropdown Menu: View -> Restrict Graph to Viewport Uncheck

Results:

- The graph should default to force graph layout
- The viewport size should be set to small
- The graph should be allowed to extend past the viewport

Test 20

Instructions:

- Sidebar Menu: Grid Layout Click Grid Layout Button
- Dropdown Menu: View -> Viewport Size Check "Small"
- Dropdown Menu: View -> Restrict Graph to Viewport Uncheck

Results:

- The graph should change to grid layout
- The viewport size should be set to small
- The graph should be allowed to extend past the viewport

Test 21

Instructions:

- Sidebar Menu: Grid Layout Click Force Graph Layout Button
- Dropdown Menu: View -> Viewport Size Check "Small"
- Dropdown Menu: View -> Restrict Graph to Viewport Uncheck

Results:

- The graph should change to force graph layout
- The viewport size should be set to small
- The graph should be allowed to extend past the viewport

Test 22

Instructions:

- Sidebar Menu: Grid Layout Keep at Default
- Dropdown Menu: View -> Viewport Size Check "Medium"
- Dropdown Menu: View -> Restrict Graph to Viewport Uncheck

- The graph should default to force graph layout
- The viewport size should be set to medium

The graph should be allowed to extend past the viewport

Test 23

Instructions:

- Sidebar Menu: Grid Layout Click Grid Layout Button
- Dropdown Menu: View -> Viewport Size Check "Medium"
- Dropdown Menu: View -> Restrict Graph to Viewport Uncheck

Results:

- The graph should change to grid layout
- The viewport size should be set to medium
- The graph should be allowed to extend past the viewport

Test 24

Instructions:

- Sidebar Menu: Grid Layout Click Force Graph Layout Button
- Dropdown Menu: View -> Viewport Size Check "Medium"
- Dropdown Menu: View -> Restrict Graph to Viewport Uncheck

Results:

- The graph should change to force graph layout
- The viewport size should be set to medium
- The graph should be allowed to extend past the viewport

Test 25

Instructions:

- Sidebar Menu: Grid Layout Keep at Default
- Dropdown Menu: View -> Viewport Size Check "Large"
- Dropdown Menu: View -> Restrict Graph to Viewport Uncheck

Results:

- The graph should default to force graph layout
- The viewport size should be set to large
- The graph should be allowed to extend past the viewport

Test 26

Instructions:

- Sidebar Menu: Grid Layout Click Grid Layout Button
- Dropdown Menu: View -> Viewport Size Check "Large"
- Dropdown Menu: View -> Restrict Graph to Viewport Uncheck

- The graph should change to grid layout
- The viewport size should be set to large

• The graph should be allowed to extend past the viewport

Test 27

Instructions:

- Sidebar Menu: Grid Layout Click Force Graph Layout Button
- Dropdown Menu: View -> Viewport Size Check "Large"
- Dropdown Menu: View -> Restrict Graph to Viewport Uncheck

Results:

- The graph should change to force graph layout
- The viewport size should be set to large
- The graph should be allowed to extend past the viewport

Test 28

Instructions:

- Sidebar Menu: Grid Layout Keep at Default
- Dropdown Menu: View -> Viewport Size Check "Fit to Window"
- Dropdown Menu: View -> Restrict Graph to Viewport Uncheck

Results:

- The graph should default to force graph layout
- The viewport size should automatically be set to the size of the browser window
- The graph should be allowed to extend past the viewport

Test 29

Instructions:

- Sidebar Menu: Grid Layout Click Grid Layout Button
- Dropdown Menu: View -> Viewport Size Check "Fit to Window"
- Dropdown Menu: View -> Restrict Graph to Viewport Uncheck

Results:

- The graph should change to grid layout
- The viewport size should automatically be set to the size of the browser window
- The graph should be allowed to extend past the viewport

Test 30

Instructions:

- Sidebar Menu: Grid Layout Click Force Graph Layout Button
- Dropdown Menu: View -> Viewport Size Check "Fit to Window"
- Dropdown Menu: View -> Restrict Graph to Viewport Uncheck

- The graph should change to force graph layout
- The viewport size should automatically be set to the size of the browser window

• The graph should be allowed to extend past the viewport