Analysis summary of project EdgeR_V8

The analysis was run using count data imported from a precomputedcounts table file:
APEX5_Hiseq_Hisat_Counts_V8.txt
Between the samples defined in the imported counts table, the following contrastshave been computed:

GCShootCOL00-FLShootCOL00
GCShootCAX23-FLShootCAX23
GCShootCAX22-FLShootCAX22
GCShootRBOHD-FLShootRBOHD
GCRootCAX23-FLRootCAX23
GCRootRBOHD-FLRootRBOHD
GCRootCOL00-FLRootCOL00
GCRootCAX22-FLRootCAX22

The normalization and statistical evaluation of differential gene expression has been performed using edgeR (Robinson et al., 2010) with a p-value cut-off of 0.05 and using the Benjamini-Hochberg (1995) method for multiple testing correction.
The raw data was normalized according to the default procedure of the differential expression analysis package used.The dispersion was estimated using the auto setting

MA plots of each comparison

The MA plots show the log2 fold change (M; logFC) plotted versus the average
expression strength (A; LogConc) for each of the comparisons that was computed.
Usually, these scatter plots show a trumpet-like shape which is attributed
to the fact that genes with a lower expression signal strength are more
strongly affected by noise than strongly expressed genes.

According to the assumption that under most experimental conditions the
bulk of the genes of an organism are not responding differentially, the cloud
of points should be centered around a log fold change of 0.
Genes that were called significantly differentially expressed are shown in red.

MA plot of contrast GCRootCAX22-FLRootCAX22
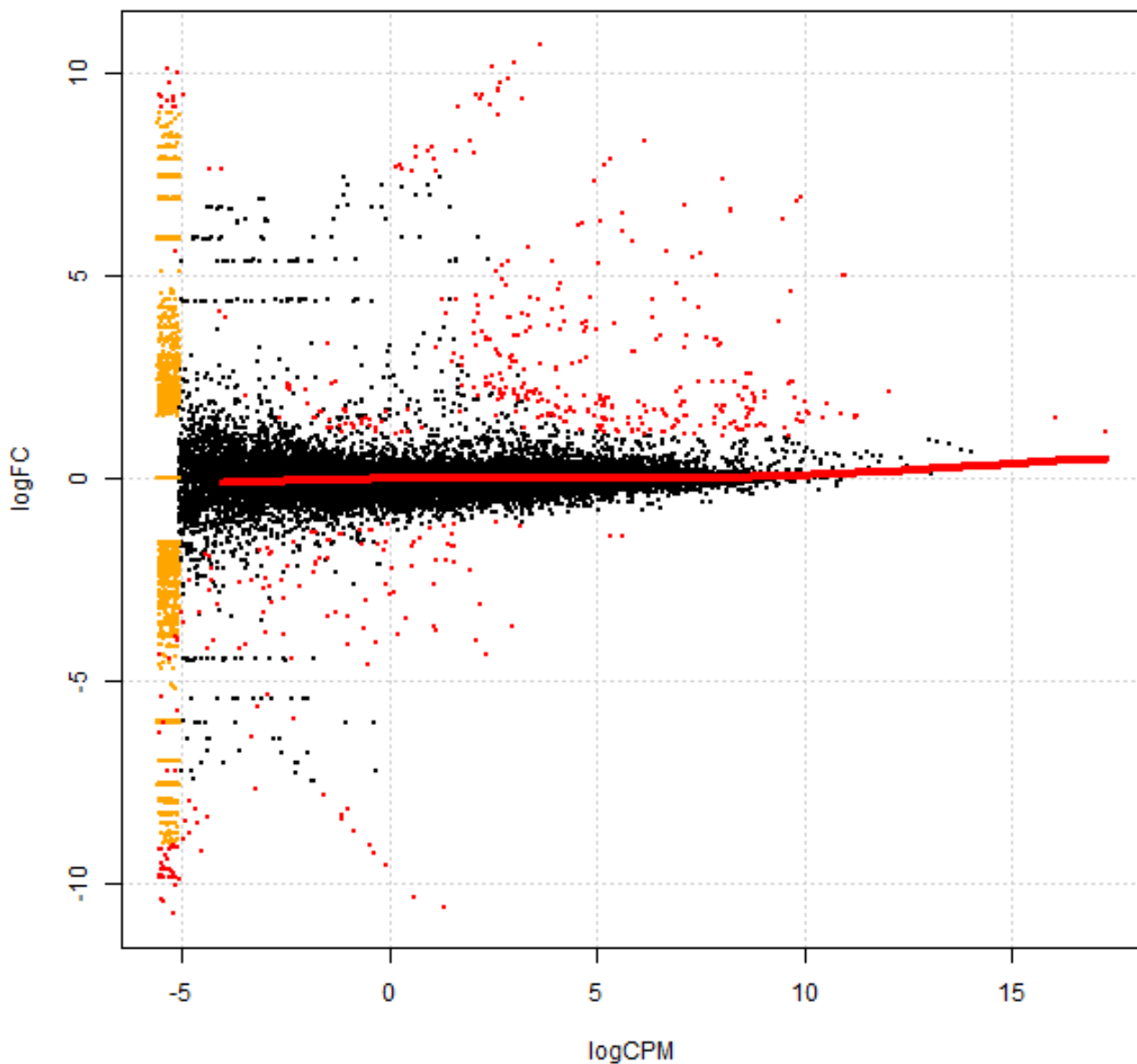
MA plot of contrast GCRootCAX23-FLRootCAX23
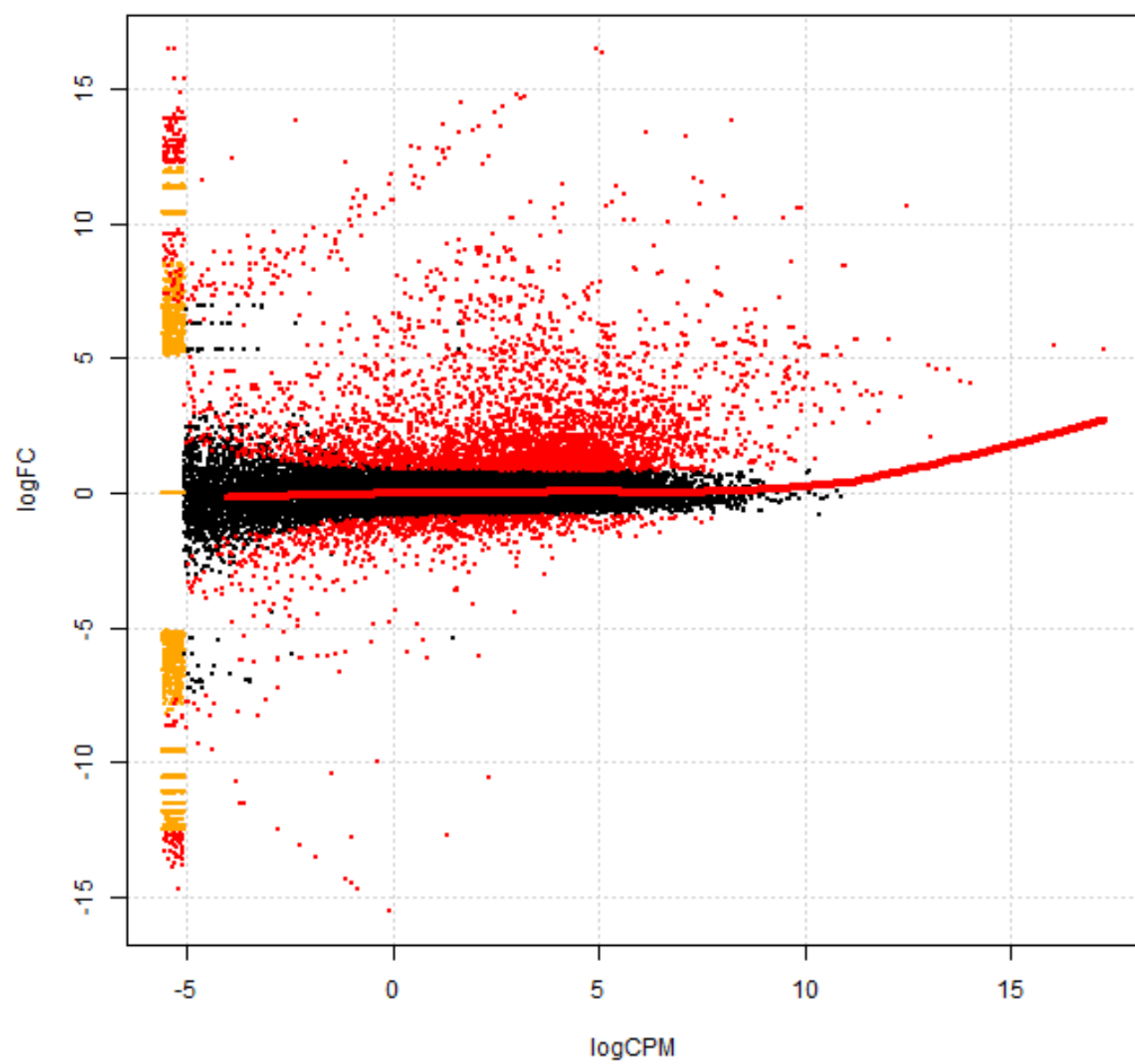
MA plot of contrast GCRootCOL00-FLRootCOL00
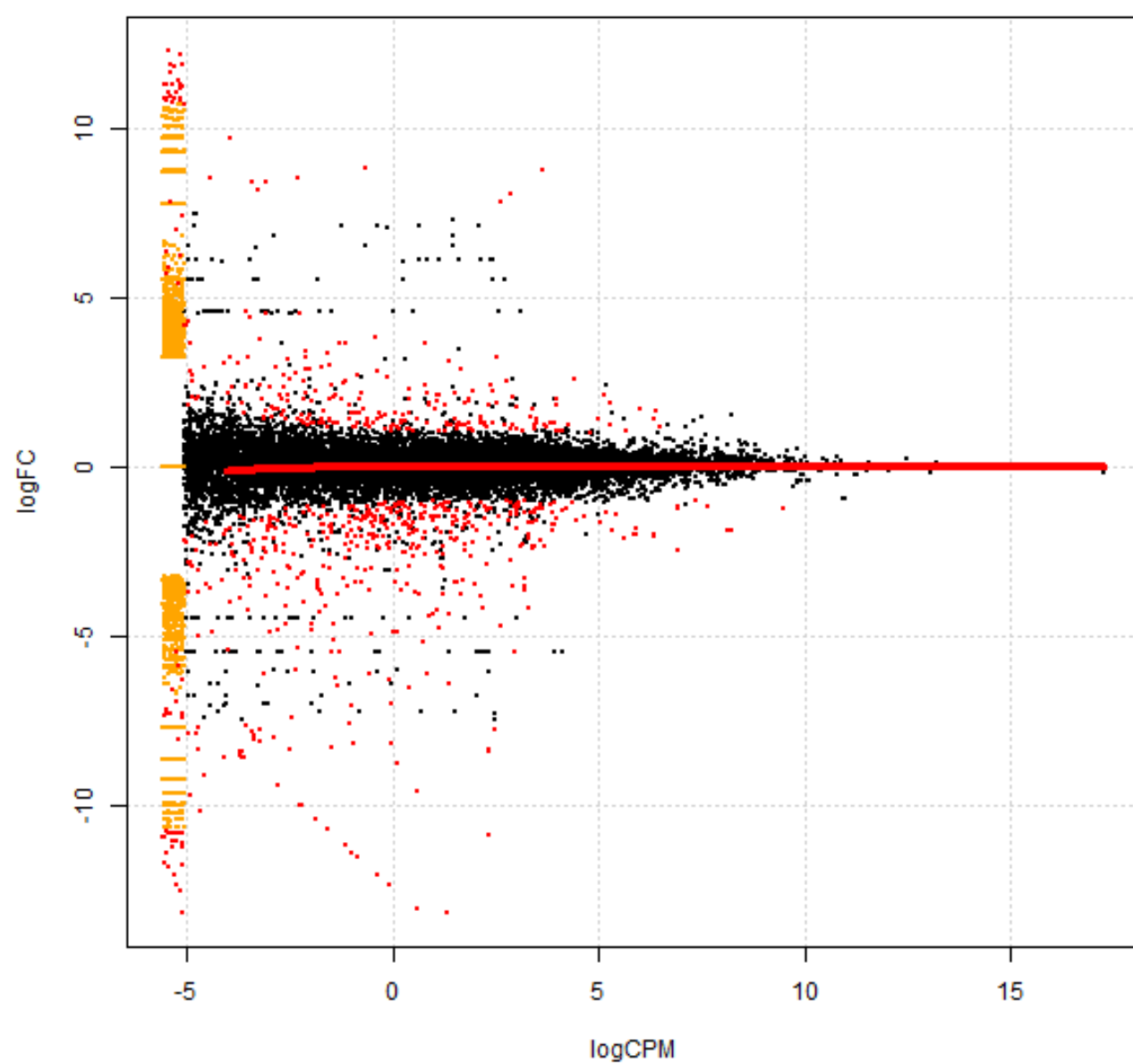
MA plot of contrast GCRootRBOHD-FLRootRBOHD
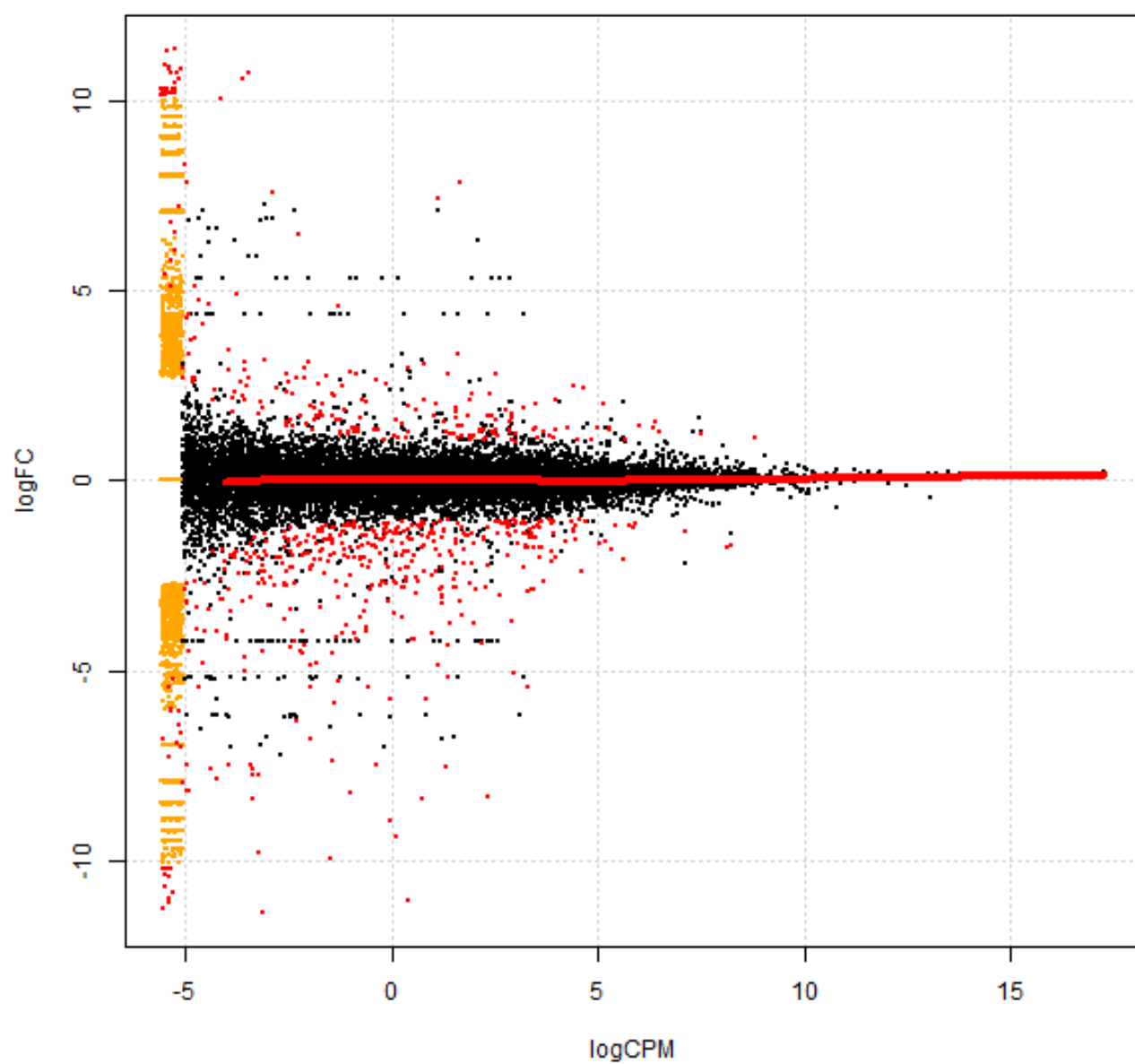
MA plot of contrast GCShootCAX22-FLShootCAX22
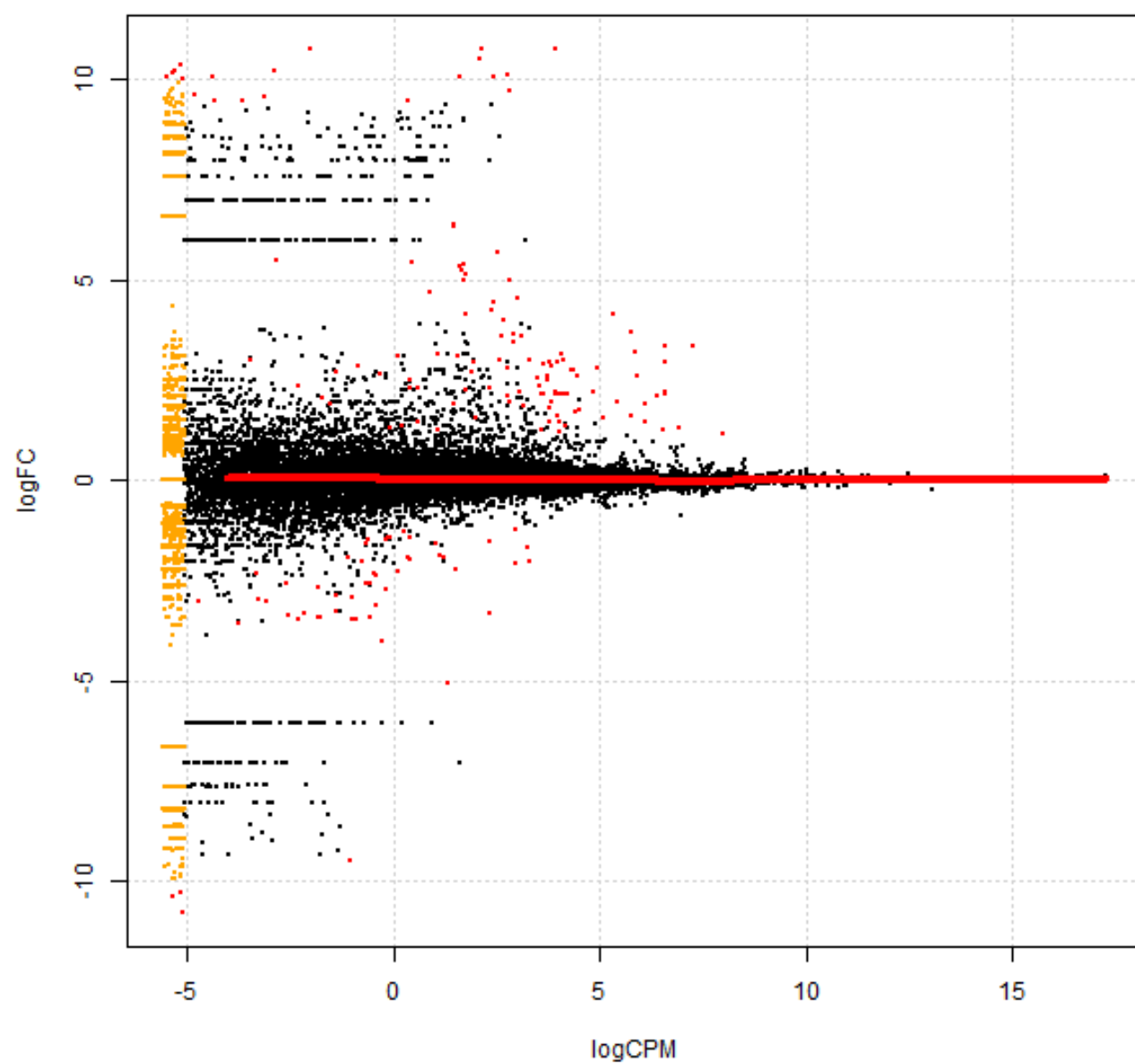
MA plot of contrast GCShootCAX23-FLShootCAX23
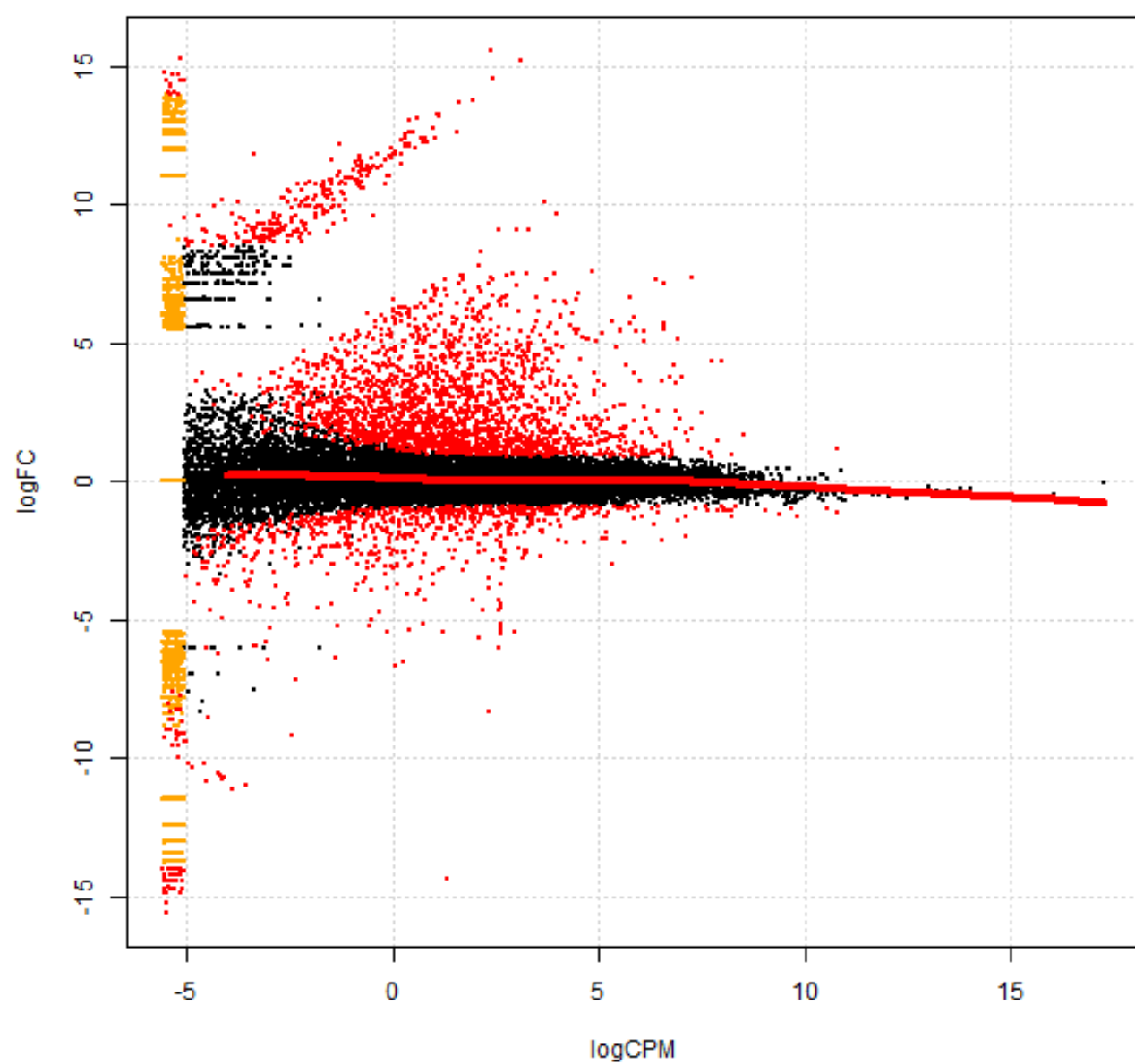
MA plot of contrast GCShootCOL00-FLShootCOL00
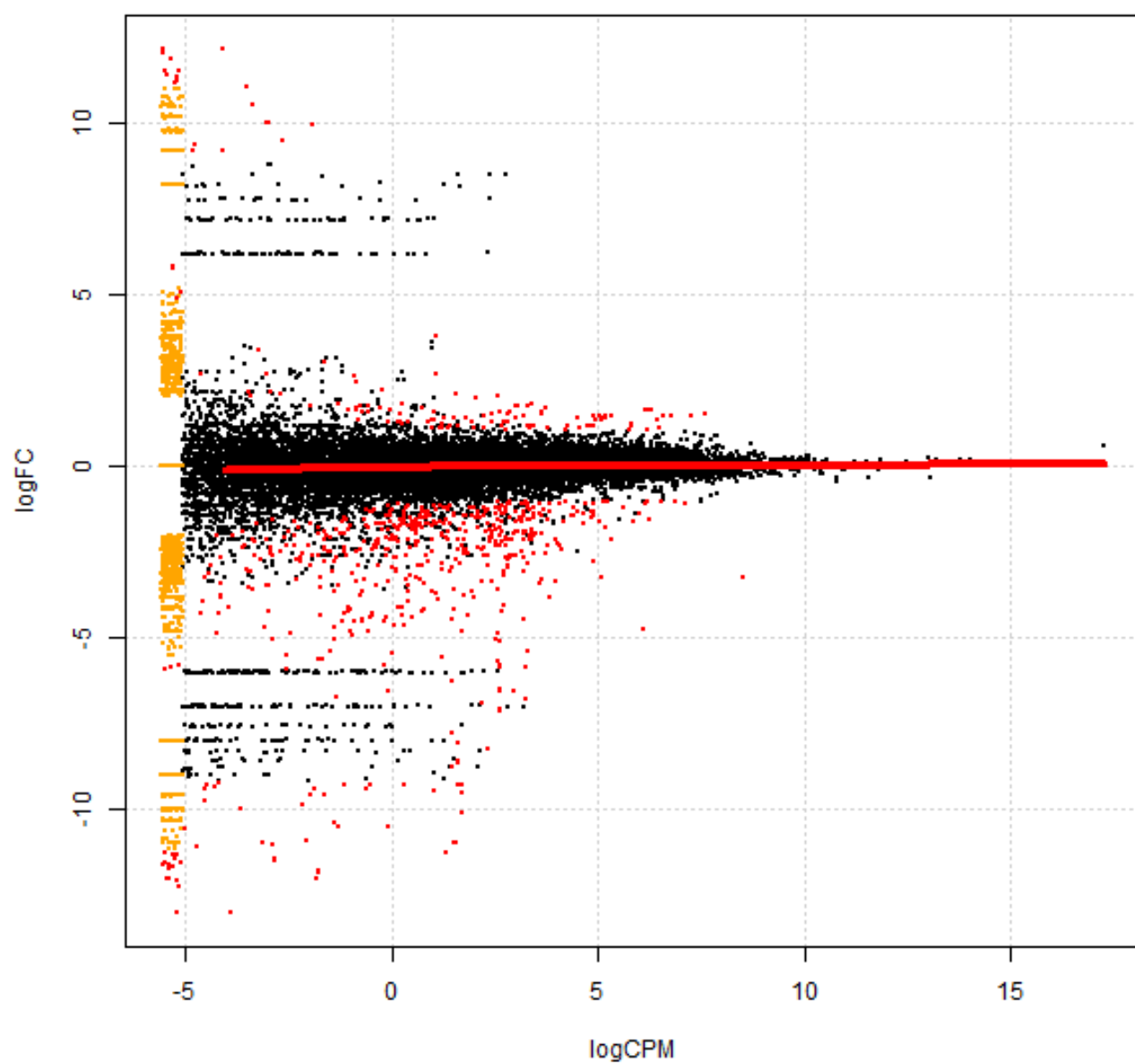
MA plot of contrast GCShootRBOHD-FLShootRBOHD
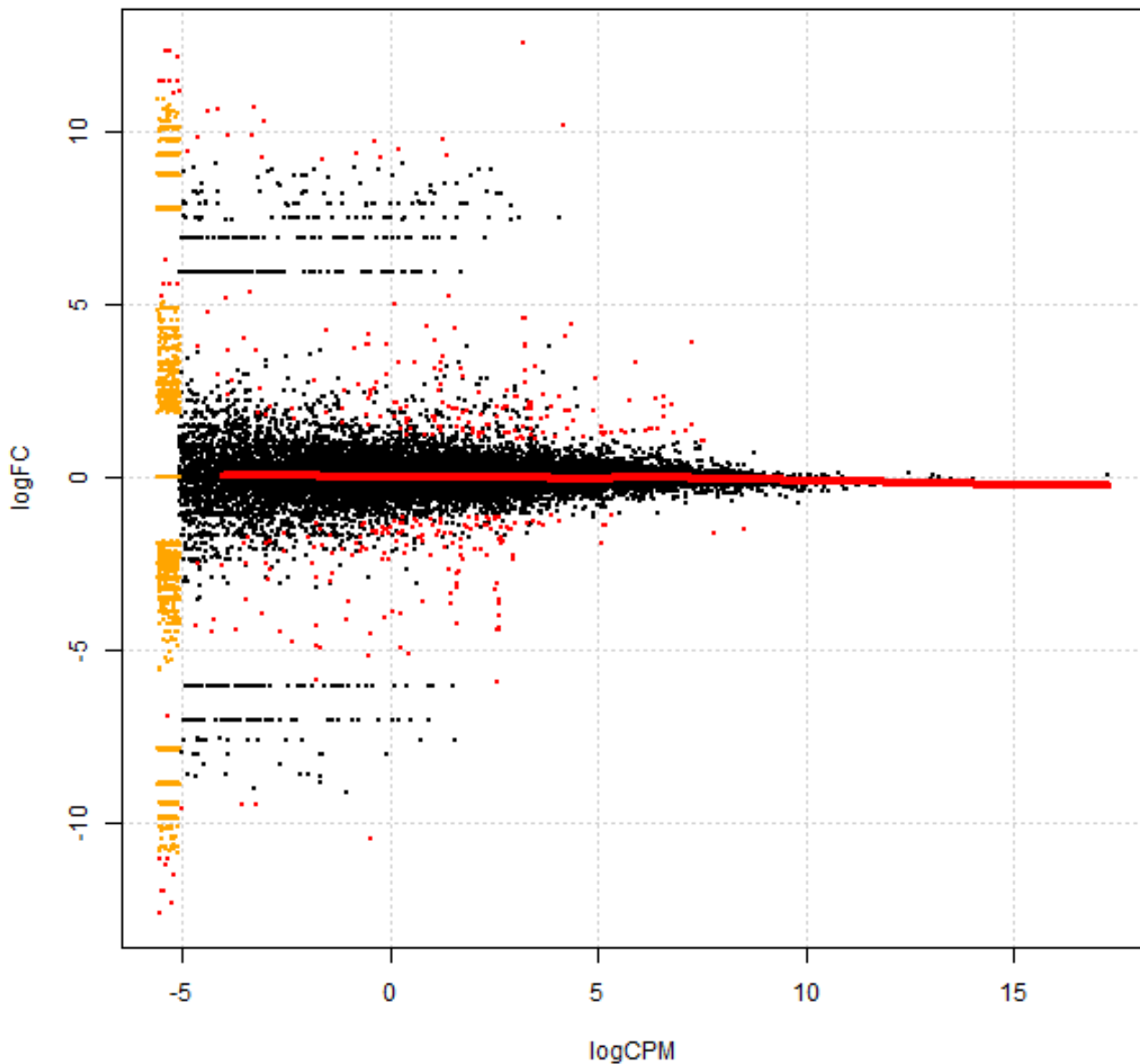
Venn Diagrams

Venn diagrams visualize the amount of genes that were called significantly differentially expressed in each comparison. The conditions are represented by circles. Genes that show a significant reponse to more than one condition are plotted in the overlapping areas while the amount of not significantly changed genes is given in the lower right corner of the plots.

Venn diagrams allow a simple and quick overview of the impact of the treatments on the gene expression profile and also the specificity of the responses

Multi-dimensional scaling (MDS) plot

The MDS or principal coordinate plot visualizes the distances between the
RNA-Seq libraries in the experiment. To compute the points, a set of 500
tags(genes) that have the largest variation bewteen the libraries (i.e. the
largest tagwise dispersion when treating all libraries as one experimental group)
is selected. The distance between each pair of libraries is equivalent to the
square root of the common disperion between these two libraries (using the top 500
genes.

Hence, the MDS plot gives an insight into the structure of the experiment - libraries
that were generated on biological replicates of the same treatment should cluster
together
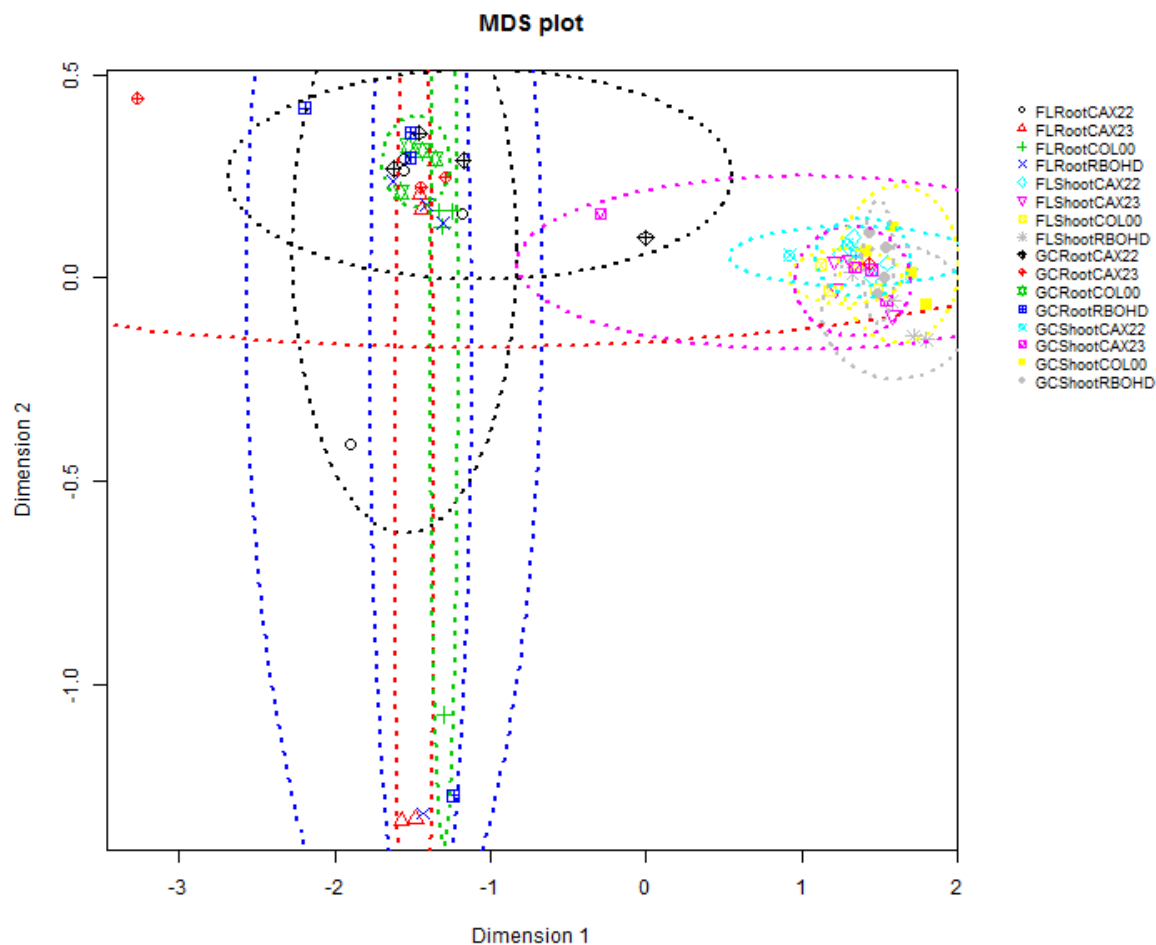
Top 10 differentially expressed genes tables for each contrast
Top differentially expressed genes: full_table_GCRootCAX22-FLRootCAX22.txt

Identifier	logFC	logCPM	LR	PValue	FDR
AT3G01500.3	6.92417527873009	9.89976755290046	278.470256241013	1.61791988067422e-62	6.74203393475753e-58
AT3G01500.3	6.92417527873009	9.89976755290046	278.470256241013	1.61791988067422e-62	6.74203393475753e-58
AT3G01500.3	6.92417527873009	9.89976755290046	278.470256241013	1.61791988067422e-62	6.74203393475753e-58
AT3G01500.3	6.92417527873009	9.89976755290046	278.470256241013	1.61791988067422e-62	6.74203393475753e-58
AT3G01500.3	6.92417527873009	9.89976755290046	278.470256241013	1.61791988067422e-62	6.74203393475753e-58
AT3G01500.3	6.92417527873009	9.89976755290046	278.470256241013	1.61791988067422e-62	6.74203393475753e-58
AT3G01500.2	6.8392880601991	9.79859834016881	273.3004025053	2.16579216045031e-61	3.20088506416683e-57
AT3G01500.2	6.8392880601991	9.79859834016881	273.3004025053	2.16579216045031e-61	3.20088506416683e-57
AT3G01500.2	6.8392880601991	9.79859834016881	273.3004025053	2.16579216045031e-61	3.20088506416683e-57
AT3G01500.2	6.8392880601991	9.79859834016881	273.3004025053	2.16579216045031e-61	3.20088506416683e-57
AT3G01500.2	6.8392880601991	9.79859834016881	273.3004025053	2.16579216045031e-61	3.20088506416683e-57
AT3G01500.2	6.8392880601991	9.79859834016881	273.3004025053	2.16579216045031e-61	3.20088506416683e-57
AT3G01500.1	6.83726035004411	9.79684020212717	273.176785459024	2.30439758885088e-61	3.20088506416683e-57
AT3G01500.1	6.83726035004411	9.79684020212717	273.176785459024	2.30439758885088e-61	3.20088506416683e-57
AT3G01500.1	6.83726035004411	9.79684020212717	273.176785459024	2.30439758885088e-61	3.20088506416683e-57
AT3G01500.1	6.83726035004411	9.79684020212717	273.176785459024	2.30439758885088e-61	3.20088506416683e-57
AT3G01500.1	6.83726035004411	9.79684020212717	273.176785459024	2.30439758885088e-61	3.20088506416683e-57
AT3G01500.1	6.83726035004411	9.79684020212717	273.176785459024	2.30439758885088e-61	3.20088506416683e-57
AT2G34430.1	7.36921269533175	8.04646943131963	264.639267336214	1.67224655420301e-59	1.74210465400484e-55
AT2G34430.1	7.36921269533175	8.04646943131963	264.639267336214	1.67224655420301e-59	1.74210465400484e-55
AT2G34430.1	7.36921269533175	8.04646943131963	264.639267336214	1.67224655420301e-59	1.74210465400484e-55
AT2G34430.1	7.36921269533175	8.04646943131963	264.639267336214	1.67224655420301e-59	1.74210465400484e-55
AT2G34430.1	7.36921269533175	8.04646943131963	264.639267336214	1.67224655420301e-59	1.74210465400484e-55
AT2G34430.1	7.36921269533175	8.04646943131963	264.639267336214	1.67224655420301e-59	1.74210465400484e-55

Identifier	logFC	logCPM	LR	PValue	FDR
AT5G38420 .1	6.38656277 123165	9.49545287 752412	253.678062 689816	4.09837566 417044e-57	3.41566824 603293e-53
AT5G38420 .1	6.38656277 123165	9.49545287 752412	253.678062 689816	4.09837566 417044e-57	3.41566824 603293e-53
AT5G38420 .1	6.38656277 123165	9.49545287 752412	253.678062 689816	4.09837566 417044e-57	3.41566824 603293e-53
AT5G38420 .1	6.38656277 123165	9.49545287 752412	253.678062 689816	4.09837566 417044e-57	3.41566824 603293e-53
AT5G38420 .1	6.38656277 123165	9.49545287 752412	253.678062 689816	4.09837566 417044e-57	3.41566824 603293e-53
AT5G38420 .1	6.38656277 123165	9.49545287 752412	253.678062 689816	4.09837566 417044e-57	3.41566824 603293e-53
AT5G26000 .1	6.62253499 54096	8.23375170 943338	229.378426 047484	8.14513484 926771e-52	5.65693190 506391e-48
AT5G26000 .1	6.62253499 54096	8.23375170 943338	229.378426 047484	8.14513484 926771e-52	5.65693190 506391e-48
AT5G26000 .1	6.62253499 54096	8.23375170 943338	229.378426 047484	8.14513484 926771e-52	5.65693190 506391e-48
AT5G26000 .1	6.62253499 54096	8.23375170 943338	229.378426 047484	8.14513484 926771e-52	5.65693190 506391e-48
AT5G26000 .1	6.62253499 54096	8.23375170 943338	229.378426 047484	8.14513484 926771e-52	5.65693190 506391e-48
AT5G26000 .1	6.62253499 54096	8.23375170 943338	229.378426 047484	8.14513484 926771e-52	5.65693190 506391e-48
AT5G26000 .2	6.61650003 857514	8.22969709 117367	229.018641 403902	9.75803737 313507e-52	5.80895964 822731e-48
AT5G26000 .2	6.61650003 857514	8.22969709 117367	229.018641 403902	9.75803737 313507e-52	5.80895964 822731e-48
AT5G26000 .2	6.61650003 857514	8.22969709 117367	229.018641 403902	9.75803737 313507e-52	5.80895964 822731e-48
AT5G26000 .2	6.61650003 857514	8.22969709 117367	229.018641 403902	9.75803737 313507e-52	5.80895964 822731e-48
AT5G26000 .2	6.61650003 857514	8.22969709 117367	229.018641 403902	9.75803737 313507e-52	5.80895964 822731e-48
AT5G26000 .2	6.61650003 857514	8.22969709 117367	229.018641 403902	9.75803737 313507e-52	5.80895964 822731e-48
AT5G20630 .1	8.34325638 636817	6.16010932 799045	198.203562 373694	5.15066657 498841e-45	2.68291783 557928e-41
AT5G20630 .1	8.34325638 636817	6.16010932 799045	198.203562 373694	5.15066657 498841e-45	2.68291783 557928e-41
AT5G20630 .1	8.34325638 636817	6.16010932 799045	198.203562 373694	5.15066657 498841e-45	2.68291783 557928e-41
AT5G20630 .1	8.34325638 636817	6.16010932 799045	198.203562 373694	5.15066657 498841e-45	2.68291783 557928e-41
AT5G20630 .1	8.34325638 636817	6.16010932 799045	198.203562 373694	5.15066657 498841e-45	2.68291783 557928e-41
AT5G20630 .1	8.34325638 636817	6.16010932 799045	198.203562 373694	5.15066657 498841e-45	2.68291783 557928e-41
AT5G38410 .1	5.01164054 554919	10.9510046 146655	190.662456 331442	2.27893756 733598e-43	9.49656073 684632e-40
AT5G38410 .1	5.01164054 554919	10.9510046 146655	190.662456 331442	2.27893756 733598e-43	9.49656073 684632e-40

Identifier	logFC	logCPM	LR	PValue	FDR
AT5G38410 .1	5.01164054 554919	10.9510046 146655	190.662456 331442	2.27893756 733598e-43	9.49656073 684632e-40
AT5G38410 .1	5.01164054 554919	10.9510046 146655	190.662456 331442	2.27893756 733598e-43	9.49656073 684632e-40
AT5G38410 .1	5.01164054 554919	10.9510046 146655	190.662456 331442	2.27893756 733598e-43	9.49656073 684632e-40
AT5G38410 .1	5.01164054 554919	10.9510046 146655	190.662456 331442	2.27893756 733598e-43	9.49656073 684632e-40

Top differentially expressed genes: full_table_GCRootCAX23-FLRootCAX23.txt

Identifier	logFC	logCPM	LR	PValue	FDR
AT5G26000 .1	13.8563946 655084	8.23375170 943338	601.903509 332658	6.45314896 684618e-133	1.46017593 399779e-128
AT5G26000 .1	13.8563946 655084	8.23375170 943338	601.903509 332658	6.45314896 684618e-133	1.46017593 399779e-128
AT5G26000 .1	13.8563946 655084	8.23375170 943338	601.903509 332658	6.45314896 684618e-133	1.46017593 399779e-128
AT5G26000 .1	13.8563946 655084	8.23375170 943338	601.903509 332658	6.45314896 684618e-133	1.46017593 399779e-128
AT5G26000 .1	13.8563946 655084	8.23375170 943338	601.903509 332658	6.45314896 684618e-133	1.46017593 399779e-128
AT5G26000 .1	13.8563946 655084	8.23375170 943338	601.903509 332658	6.45314896 684618e-133	1.46017593 399779e-128
AT5G26000 .2	13.8537655 532193	8.22969709 117367	601.738780 885244	7.00811563 916292e-133	1.46017593 399779e-128
AT5G26000 .2	13.8537655 532193	8.22969709 117367	601.738780 885244	7.00811563 916292e-133	1.46017593 399779e-128
AT5G26000 .2	13.8537655 532193	8.22969709 117367	601.738780 885244	7.00811563 916292e-133	1.46017593 399779e-128
AT5G26000 .2	13.8537655 532193	8.22969709 117367	601.738780 885244	7.00811563 916292e-133	1.46017593 399779e-128
AT5G26000 .2	13.8537655 532193	8.22969709 117367	601.738780 885244	7.00811563 916292e-133	1.46017593 399779e-128
AT5G26000 .2	13.8537655 532193	8.22969709 117367	601.738780 885244	7.00811563 916292e-133	1.46017593 399779e-128
AT5G25980 .2	13.2374800 001808	7.11495377 676915	547.916943 19922	3.57388987 453267e-121	3.30863702 715521e-117

Identifier	logFC	logCPM	LR	PValue	FDR
AT5G25980.2	13.2374800001808	7.11495377676915	547.91694319922	3.57388987453267e-121	3.30863702715521e-117
AT5G25980.2	13.2374800001808	7.11495377676915	547.91694319922	3.57388987453267e-121	3.30863702715521e-117
AT5G25980.2	13.2374800001808	7.11495377676915	547.91694319922	3.57388987453267e-121	3.30863702715521e-117
AT5G25980.2	13.2374800001808	7.11495377676915	547.91694319922	3.57388987453267e-121	3.30863702715521e-117
AT5G25980.2	13.2374800001808	7.11495377676915	547.91694319922	3.57388987453267e-121	3.30863702715521e-117
AT5G25980.1	13.2350627646591	7.11311489209708	547.765457615576	3.85563283004158e-121	3.30863702715521e-117
AT5G25980.1	13.2350627646591	7.11311489209708	547.765457615576	3.85563283004158e-121	3.30863702715521e-117
AT5G25980.1	13.2350627646591	7.11311489209708	547.765457615576	3.85563283004158e-121	3.30863702715521e-117
AT5G25980.1	13.2350627646591	7.11311489209708	547.765457615576	3.85563283004158e-121	3.30863702715521e-117
AT5G25980.1	13.2350627646591	7.11311489209708	547.765457615576	3.85563283004158e-121	3.30863702715521e-117
AT5G25980.1	13.2350627646591	7.11311489209708	547.765457615576	3.85563283004158e-121	3.30863702715521e-117
AT5G25980.3	13.2341319791035	7.11220355996408	547.707126244127	3.96995155762426e-121	3.30863702715521e-117
AT5G25980.3	13.2341319791035	7.11220355996408	547.707126244127	3.96995155762426e-121	3.30863702715521e-117
AT5G25980.3	13.2341319791035	7.11220355996408	547.707126244127	3.96995155762426e-121	3.30863702715521e-117
AT5G25980.3	13.2341319791035	7.11220355996408	547.707126244127	3.96995155762426e-121	3.30863702715521e-117
AT5G25980.3	13.2341319791035	7.11220355996408	547.707126244127	3.96995155762426e-121	3.30863702715521e-117
AT5G25980.3	13.2341319791035	7.11220355996408	547.707126244127	3.96995155762426e-121	3.30863702715521e-117
AT3G41768.1	10.6334907567079	12.4575155268797	540.832342549321	1.24267739723824e-119	8.63060163671915e-116

Identifier	logFC	logCPM	LR	PValue	FDR
AT3G41768.1	10.6334907567079	12.4575155268797	540.832342549321	1.24267739723824e-119	8.63060163671915e-116
AT3G41768.1	10.6334907567079	12.4575155268797	540.832342549321	1.24267739723824e-119	8.63060163671915e-116
AT3G41768.1	10.6334907567079	12.4575155268797	540.832342549321	1.24267739723824e-119	8.63060163671915e-116
AT3G41768.1	10.6334907567079	12.4575155268797	540.832342549321	1.24267739723824e-119	8.63060163671915e-116
AT3G41768.1	10.6334907567079	12.4575155268797	540.832342549321	1.24267739723824e-119	8.63060163671915e-116
AT3G01500.3	10.5609902528695	9.89976755290046	518.038930347644	1.13031657562756e-114	6.72877457471085e-111
AT3G01500.3	10.5609902528695	9.89976755290046	518.038930347644	1.13031657562756e-114	6.72877457471085e-111
AT3G01500.3	10.5609902528695	9.89976755290046	518.038930347644	1.13031657562756e-114	6.72877457471085e-111
AT3G01500.3	10.5609902528695	9.89976755290046	518.038930347644	1.13031657562756e-114	6.72877457471085e-111
AT3G01500.3	10.5609902528695	9.89976755290046	518.038930347644	1.13031657562756e-114	6.72877457471085e-111
AT3G01500.3	10.5609902528695	9.89976755290046	518.038930347644	1.13031657562756e-114	6.72877457471085e-111
AT3G01500.2	10.5431852356755	9.79859834016881	516.23742356091	2.78705721075229e-114	1.38533575516384e-110
AT3G01500.2	10.5431852356755	9.79859834016881	516.23742356091	2.78705721075229e-114	1.38533575516384e-110
AT3G01500.2	10.5431852356755	9.79859834016881	516.23742356091	2.78705721075229e-114	1.38533575516384e-110
AT3G01500.2	10.5431852356755	9.79859834016881	516.23742356091	2.78705721075229e-114	1.38533575516384e-110
AT3G01500.2	10.5431852356755	9.79859834016881	516.23742356091	2.78705721075229e-114	1.38533575516384e-110
AT3G01500.2	10.5431852356755	9.79859834016881	516.23742356091	2.78705721075229e-114	1.38533575516384e-110
AT3G01500.1	10.5409214056088	9.79684020212717	516.095775962293	2.99201406169148e-114	1.38533575516384e-110

Identifier	logFC	logCPM	LR	PValue	FDR
AT3G01500.1	10.5409214056088	9.79684020212717	516.095775962293	2.99201406169148e-114	1.38533575516384e-110
AT3G01500.1	10.5409214056088	9.79684020212717	516.095775962293	2.99201406169148e-114	1.38533575516384e-110
AT3G01500.1	10.5409214056088	9.79684020212717	516.095775962293	2.99201406169148e-114	1.38533575516384e-110
AT3G01500.1	10.5409214056088	9.79684020212717	516.095775962293	2.99201406169148e-114	1.38533575516384e-110
AT3G01500.1	10.5409214056088	9.79684020212717	516.095775962293	2.99201406169148e-114	1.38533575516384e-110

Top differentially expressed genes: full_table_GCRootCOL00-FLRootCOL00.txt

Identifier	logFC	logCPM	LR	PValue	FDR
AT1G26390.1	-10.9054619515071	2.31193728084334	299.159278292285	5.02269904508784e-67	2.09300891907855e-62
AT1G26390.1	-10.9054619515071	2.31193728084334	299.159278292285	5.02269904508784e-67	2.09300891907855e-62
AT1G26390.1	-10.9054619515071	2.31193728084334	299.159278292285	5.02269904508784e-67	2.09300891907855e-62
AT1G26390.1	-10.9054619515071	2.31193728084334	299.159278292285	5.02269904508784e-67	2.09300891907855e-62
AT1G26390.1	-10.9054619515071	2.31193728084334	299.159278292285	5.02269904508784e-67	2.09300891907855e-62
AT1G26390.1	-10.9054619515071	2.31193728084334	299.159278292285	5.02269904508784e-67	2.09300891907855e-62
AT2G41810.1	-6.13212726278069	0.849259147747386	213.017731725058	3.01650524734815e-48	6.28503950811223e-44
AT2G41810.1	-6.13212726278069	0.849259147747386	213.017731725058	3.01650524734815e-48	6.28503950811223e-44
AT2G41810.1	-6.13212726278069	0.849259147747386	213.017731725058	3.01650524734815e-48	6.28503950811223e-44
AT2G41810.1	-6.13212726278069	0.849259147747386	213.017731725058	3.01650524734815e-48	6.28503950811223e-44
AT2G41810.1	-6.13212726278069	0.849259147747386	213.017731725058	3.01650524734815e-48	6.28503950811223e-44

Identifier	logFC	logCPM	LR	PValue	FDR
AT2G41810.1	-6.13212726278069	0.849259147747386	213.017731725058	3.01650524734815e-48	6.28503950811223e-44
AT2G30750.1	-5.48229694449742	2.95080103597395	200.584174236822	1.55723053541929e-45	2.16304512138191e-41
AT2G30750.1	-5.48229694449742	2.95080103597395	200.584174236822	1.55723053541929e-45	2.16304512138191e-41
AT2G30750.1	-5.48229694449742	2.95080103597395	200.584174236822	1.55723053541929e-45	2.16304512138191e-41
AT2G30750.1	-5.48229694449742	2.95080103597395	200.584174236822	1.55723053541929e-45	2.16304512138191e-41
AT2G30750.1	-5.48229694449742	2.95080103597395	200.584174236822	1.55723053541929e-45	2.16304512138191e-41
AT2G30750.1	-5.48229694449742	2.95080103597395	200.584174236822	1.55723053541929e-45	2.16304512138191e-41
AT3G60140.1	-6.33109634832712	-0.066342438852136	194.037433826133	4.1792065314852e-44	4.35379288433799e-40
AT3G60140.1	-6.33109634832712	-0.066342438852136	194.037433826133	4.1792065314852e-44	4.35379288433799e-40
AT3G60140.1	-6.33109634832712	-0.066342438852136	194.037433826133	4.1792065314852e-44	4.35379288433799e-40
AT3G60140.1	-6.33109634832712	-0.066342438852136	194.037433826133	4.1792065314852e-44	4.35379288433799e-40
AT3G60140.1	-6.33109634832712	-0.066342438852136	194.037433826133	4.1792065314852e-44	4.35379288433799e-40
AT3G60140.1	-6.33109634832712	-0.066342438852136	194.037433826133	4.1792065314852e-44	4.35379288433799e-40
AT5G13320.1	-6.44044106720855	1.37597139459277	182.436743684699	1.42363814931083e-41	1.18648850639863e-37
AT5G13320.1	-6.44044106720855	1.37597139459277	182.436743684699	1.42363814931083e-41	1.18648850639863e-37
AT5G13320.1	-6.44044106720855	1.37597139459277	182.436743684699	1.42363814931083e-41	1.18648850639863e-37
AT5G13320.1	-6.44044106720855	1.37597139459277	182.436743684699	1.42363814931083e-41	1.18648850639863e-37
AT5G13320.1	-6.44044106720855	1.37597139459277	182.436743684699	1.42363814931083e-41	1.18648850639863e-37

Identifier	logFC	logCPM	LR	PValue	FDR
AT5G13320 .1	- 6.44044106 720855	1.37597139 459277	182.436743 684699	1.42363814 931083e-41	1.18648850 639863e-37
AT4G31970 .1	- 13.1685320 193334	1.31247966 799562	177.403256 019846	1.78820456 7919e-40	1.24193787 582921e-36
AT4G31970 .1	- 13.1685320 193334	1.31247966 799562	177.403256 019846	1.78820456 7919e-40	1.24193787 582921e-36
AT4G31970 .1	- 13.1685320 193334	1.31247966 799562	177.403256 019846	1.78820456 7919e-40	1.24193787 582921e-36
AT4G31970 .1	- 13.1685320 193334	1.31247966 799562	177.403256 019846	1.78820456 7919e-40	1.24193787 582921e-36
AT4G31970 .1	- 13.1685320 193334	1.31247966 799562	177.403256 019846	1.78820456 7919e-40	1.24193787 582921e-36
AT4G31970 .1	- 13.1685320 193334	1.31247966 799562	177.403256 019846	1.78820456 7919e-40	1.24193787 582921e-36
AT3G42190 .1	- 13.0773769 340998	0.59438417 9431666	172.575770 486511	2.02589366 070394e-39	1.20601449 621706e-35
AT3G42190 .1	- 13.0773769 340998	0.59438417 9431666	172.575770 486511	2.02589366 070394e-39	1.20601449 621706e-35
AT3G42190 .1	- 13.0773769 340998	0.59438417 9431666	172.575770 486511	2.02589366 070394e-39	1.20601449 621706e-35
AT3G42190 .1	- 13.0773769 340998	0.59438417 9431666	172.575770 486511	2.02589366 070394e-39	1.20601449 621706e-35
AT3G42190 .1	- 13.0773769 340998	0.59438417 9431666	172.575770 486511	2.02589366 070394e-39	1.20601449 621706e-35
AT3G42190 .1	- 13.0773769 340998	0.59438417 9431666	172.575770 486511	2.02589366 070394e-39	1.20601449 621706e-35
AT2G44460 .1	- 5.19708355 036469	0.75579573 7660737	144.597983 170593	2.62937559 788762e-33	1.36960888 174469e-29
AT2G44460 .1	- 5.19708355 036469	0.75579573 7660737	144.597983 170593	2.62937559 788762e-33	1.36960888 174469e-29
AT2G44460 .1	- 5.19708355 036469	0.75579573 7660737	144.597983 170593	2.62937559 788762e-33	1.36960888 174469e-29
AT2G44460 .1	- 5.19708355 036469	0.75579573 7660737	144.597983 170593	2.62937559 788762e-33	1.36960888 174469e-29
AT2G44460 .1	- 5.19708355 036469	0.75579573 7660737	144.597983 170593	2.62937559 788762e-33	1.36960888 174469e-29

Identifier	logFC	logCPM	LR	PValue	FDR
AT2G44460 .1	-5.19708355 036469	0.75579573 7660737	144.597983 170593	2.62937559 788762e-33	1.36960888 174469e-29
AT3G42530 .1	-12.3816952 004118	-0.08531074 01486987	137.297724 489042	1.03795565 572632e-31	4.80585001 441904e-28
AT3G42530 .1	-12.3816952 004118	-0.08531074 01486987	137.297724 489042	1.03795565 572632e-31	4.80585001 441904e-28
AT3G42530 .1	-12.3816952 004118	-0.08531074 01486987	137.297724 489042	1.03795565 572632e-31	4.80585001 441904e-28
AT3G42530 .1	-12.3816952 004118	-0.08531074 01486987	137.297724 489042	1.03795565 572632e-31	4.80585001 441904e-28
AT3G42530 .1	-12.3816952 004118	-0.08531074 01486987	137.297724 489042	1.03795565 572632e-31	4.80585001 441904e-28
AT3G42530 .1	-12.3816952 004118	-0.08531074 01486987	137.297724 489042	1.03795565 572632e-31	4.80585001 441904e-28

Top differentially expressed genes: full_table_GCRootRBOHD-FLRootRBOHD.txt

Identifier	logFC	logCPM	LR	PValue	FDR
AT1G26390 .1	-8.34461976 447949	2.31193728 084334	268.756470 772828	2.11803583 092191e-60	8.82606711 103469e-56
AT1G26390 .1	-8.34461976 447949	2.31193728 084334	268.756470 772828	2.11803583 092191e-60	8.82606711 103469e-56
AT1G26390 .1	-8.34461976 447949	2.31193728 084334	268.756470 772828	2.11803583 092191e-60	8.82606711 103469e-56
AT1G26390 .1	-8.34461976 447949	2.31193728 084334	268.756470 772828	2.11803583 092191e-60	8.82606711 103469e-56
AT1G26390 .1	-8.34461976 447949	2.31193728 084334	268.756470 772828	2.11803583 092191e-60	8.82606711 103469e-56
AT1G26390 .1	-8.34461976 447949	2.31193728 084334	268.756470 772828	2.11803583 092191e-60	8.82606711 103469e-56
AT2G41810 .1	-5.75008680 546723	0.84925914 7747386	209.131926 321818	2.12449983 646698e-47	4.42650163 427079e-43
AT2G41810 .1	-5.75008680 546723	0.84925914 7747386	209.131926 321818	2.12449983 646698e-47	4.42650163 427079e-43
AT2G41810 .1	-5.75008680 546723	0.84925914 7747386	209.131926 321818	2.12449983 646698e-47	4.42650163 427079e-43

Identifier	logFC	logCPM	LR	PValue	FDR
AT2G41810.1	-5.75008680546723	0.849259147747386	209.131926321818	2.12449983646698e-47	4.42650163427079e-43
AT2G41810.1	-5.75008680546723	0.849259147747386	209.131926321818	2.12449983646698e-47	4.42650163427079e-43
AT2G41810.1	-5.75008680546723	0.849259147747386	209.131926321818	2.12449983646698e-47	4.42650163427079e-43
AT2G44460.1	-8.39043262068465	0.755795737660737	200.321869957529	1.77661344518888e-45	2.46777529581553e-41
AT2G44460.1	-8.39043262068465	0.755795737660737	200.321869957529	1.77661344518888e-45	2.46777529581553e-41
AT2G44460.1	-8.39043262068465	0.755795737660737	200.321869957529	1.77661344518888e-45	2.46777529581553e-41
AT2G44460.1	-8.39043262068465	0.755795737660737	200.321869957529	1.77661344518888e-45	2.46777529581553e-41
AT2G44460.1	-8.39043262068465	0.755795737660737	200.321869957529	1.77661344518888e-45	2.46777529581553e-41
AT2G44460.1	-8.39043262068465	0.755795737660737	200.321869957529	1.77661344518888e-45	2.46777529581553e-41
AT2G30750.1	-5.07270836760737	2.95080103597395	177.552439231301	1.65898305514807e-40	1.72828707227688e-36
AT2G30750.1	-5.07270836760737	2.95080103597395	177.552439231301	1.65898305514807e-40	1.72828707227688e-36
AT2G30750.1	-5.07270836760737	2.95080103597395	177.552439231301	1.65898305514807e-40	1.72828707227688e-36
AT2G30750.1	-5.07270836760737	2.95080103597395	177.552439231301	1.65898305514807e-40	1.72828707227688e-36
AT2G30750.1	-5.07270836760737	2.95080103597395	177.552439231301	1.65898305514807e-40	1.72828707227688e-36
AT2G30750.1	-5.07270836760737	2.95080103597395	177.552439231301	1.65898305514807e-40	1.72828707227688e-36
AT2G30660.1	-8.21377509182141	-1.02053737413008	145.960436108869	1.32431223074548e-33	1.1037082993479e-29
AT2G30660.1	-8.21377509182141	-1.02053737413008	145.960436108869	1.32431223074548e-33	1.1037082993479e-29
AT2G30660.1	-8.21377509182141	-1.02053737413008	145.960436108869	1.32431223074548e-33	1.1037082993479e-29

Identifier	logFC	logCPM	LR	PValue	FDR
AT2G30660.1	-8.21377509182141	-1.02053737413008	145.960436108869	1.32431223074548e-33	1.1037082993479e-29
AT2G30660.1	-8.21377509182141	-1.02053737413008	145.960436108869	1.32431223074548e-33	1.1037082993479e-29
AT2G30660.1	-8.21377509182141	-1.02053737413008	145.960436108869	1.32431223074548e-33	1.1037082993479e-29
AT5G13320.1	-5.17445730241376	1.37597139459277	142.071986082226	9.37866860758699e-33	6.51364165911263e-29
AT5G13320.1	-5.17445730241376	1.37597139459277	142.071986082226	9.37866860758699e-33	6.51364165911263e-29
AT5G13320.1	-5.17445730241376	1.37597139459277	142.071986082226	9.37866860758699e-33	6.51364165911263e-29
AT5G13320.1	-5.17445730241376	1.37597139459277	142.071986082226	9.37866860758699e-33	6.51364165911263e-29
AT5G13320.1	-5.17445730241376	1.37597139459277	142.071986082226	9.37866860758699e-33	6.51364165911263e-29
AT5G13320.1	-5.17445730241376	1.37597139459277	142.071986082226	9.37866860758699e-33	6.51364165911263e-29
AT5G38910.1	-5.30008379147848	-1.28973972136487	132.763140207219	1.01868505453639e-30	6.06423212965515e-27
AT5G38910.1	-5.30008379147848	-1.28973972136487	132.763140207219	1.01868505453639e-30	6.06423212965515e-27
AT5G38910.1	-5.30008379147848	-1.28973972136487	132.763140207219	1.01868505453639e-30	6.06423212965515e-27
AT5G38910.1	-5.30008379147848	-1.28973972136487	132.763140207219	1.01868505453639e-30	6.06423212965515e-27
AT5G38910.1	-5.30008379147848	-1.28973972136487	132.763140207219	1.01868505453639e-30	6.06423212965515e-27
AT5G38910.1	-5.30008379147848	-1.28973972136487	132.763140207219	1.01868505453639e-30	6.06423212965515e-27
AT1G26380.1	-4.88000792808506	1.12178139068899	124.675733602223	5.99295988581377e-29	3.12165789252182e-25
AT1G26380.1	-4.88000792808506	1.12178139068899	124.675733602223	5.99295988581377e-29	3.12165789252182e-25
AT1G26380.1	-4.88000792808506	1.12178139068899	124.675733602223	5.99295988581377e-29	3.12165789252182e-25

Identifier	logFC	logCPM	LR	PValue	FDR
AT1G26380 .1	-4.88000792 808506	1.12178139 068899	124.675733 602223	5.99295988 581377e-29	3.12165789 252182e-25
AT1G26380 .1	-4.88000792 808506	1.12178139 068899	124.675733 602223	5.99295988 581377e-29	3.12165789 252182e-25
AT1G26380 .1	-4.88000792 808506	1.12178139 068899	124.675733 602223	5.99295988 581377e-29	3.12165789 252182e-25
AT3G28510 .1	-5.84286690 389674	-1.39995688 664036	120.242756 774054	5.59742252 126812e-28	2.59166882 093071e-24
AT3G28510 .1	-5.84286690 389674	-1.39995688 664036	120.242756 774054	5.59742252 126812e-28	2.59166882 093071e-24
AT3G28510 .1	-5.84286690 389674	-1.39995688 664036	120.242756 774054	5.59742252 126812e-28	2.59166882 093071e-24
AT3G28510 .1	-5.84286690 389674	-1.39995688 664036	120.242756 774054	5.59742252 126812e-28	2.59166882 093071e-24
AT3G28510 .1	-5.84286690 389674	-1.39995688 664036	120.242756 774054	5.59742252 126812e-28	2.59166882 093071e-24
AT3G28510 .1	-5.84286690 389674	-1.39995688 664036	120.242756 774054	5.59742252 126812e-28	2.59166882 093071e-24

Top differentially expressed genes: full_table_GCShootCAX22-FLShootCAX22.txt

Identifier	logFC	logCPM	LR	PValue	FDR
ATCG0117 0.1	6.38152708 910388	1.46866215 659666	234.970826 672423	4.91289346 089719e-53	1.02362591 704529e-48
ATCG0117 0.1	6.38152708 910388	1.46866215 659666	234.970826 672423	4.91289346 089719e-53	1.02362591 704529e-48
ATCG0117 0.1	6.38152708 910388	1.46866215 659666	234.970826 672423	4.91289346 089719e-53	1.02362591 704529e-48
ATCG0117 0.1	6.38152708 910388	1.46866215 659666	234.970826 672423	4.91289346 089719e-53	1.02362591 704529e-48
ATCG0117 0.1	6.38152708 910388	1.46866215 659666	234.970826 672423	4.91289346 089719e-53	1.02362591 704529e-48
ATCG0117 0.1	6.38152708 910388	1.46866215 659666	234.970826 672423	4.91289346 089719e-53	1.02362591 704529e-48
ATCG0116 0.1	6.38152708 910388	1.46665315 426136	234.970826 672423	4.91289346 089747e-53	1.02362591 704529e-48
ATCG0116 0.1	6.38152708 910388	1.46665315 426136	234.970826 672423	4.91289346 089747e-53	1.02362591 704529e-48
ATCG0116 0.1	6.38152708 910388	1.46665315 426136	234.970826 672423	4.91289346 089747e-53	1.02362591 704529e-48
ATCG0116 0.1	6.38152708 910388	1.46665315 426136	234.970826 672423	4.91289346 089747e-53	1.02362591 704529e-48
ATCG0116 0.1	6.38152708 910388	1.46665315 426136	234.970826 672423	4.91289346 089747e-53	1.02362591 704529e-48

Identifier	logFC	logCPM	LR	PValue	FDR
ATCG0116 0.1	6.38152708 910388	1.46665315 426136	234.970826 672423	4.91289346 089747e-53	1.02362591 704529e-48
ATCG0114 0.1	6.34324591 61974	1.47398540 429395	233.554249 065817	1.00056515 118854e-52	1.08903836 525693e-48
ATCG0114 0.1	6.34324591 61974	1.47398540 429395	233.554249 065817	1.00056515 118854e-52	1.08903836 525693e-48
ATCG0114 0.1	6.34324591 61974	1.47398540 429395	233.554249 065817	1.00056515 118854e-52	1.08903836 525693e-48
ATCG0114 0.1	6.34324591 61974	1.47398540 429395	233.554249 065817	1.00056515 118854e-52	1.08903836 525693e-48
ATCG0114 0.1	6.34324591 61974	1.47398540 429395	233.554249 065817	1.00056515 118854e-52	1.08903836 525693e-48
ATCG0114 0.1	6.34324591 61974	1.47398540 429395	233.554249 065817	1.00056515 118854e-52	1.08903836 525693e-48
ATCG0115 0.1	6.34177884 824641	1.46821442 472037	233.467011 339618	1.04536811 236297e-52	1.08903836 525693e-48
ATCG0115 0.1	6.34177884 824641	1.46821442 472037	233.467011 339618	1.04536811 236297e-52	1.08903836 525693e-48
ATCG0115 0.1	6.34177884 824641	1.46821442 472037	233.467011 339618	1.04536811 236297e-52	1.08903836 525693e-48
ATCG0115 0.1	6.34177884 824641	1.46821442 472037	233.467011 339618	1.04536811 236297e-52	1.08903836 525693e-48
ATCG0115 0.1	6.34177884 824641	1.46821442 472037	233.467011 339618	1.04536811 236297e-52	1.08903836 525693e-48
ATCG0115 0.1	6.34177884 824641	1.46821442 472037	233.467011 339618	1.04536811 236297e-52	1.08903836 525693e-48
ATCG0119 0.1	5.67443891 951628	2.54094395 390477	218.950276 006923	1.53234867 159216e-49	1.27709002 987834e-45
ATCG0119 0.1	5.67443891 951628	2.54094395 390477	218.950276 006923	1.53234867 159216e-49	1.27709002 987834e-45
ATCG0119 0.1	5.67443891 951628	2.54094395 390477	218.950276 006923	1.53234867 159216e-49	1.27709002 987834e-45
ATCG0119 0.1	5.67443891 951628	2.54094395 390477	218.950276 006923	1.53234867 159216e-49	1.27709002 987834e-45
ATCG0119 0.1	5.67443891 951628	2.54094395 390477	218.950276 006923	1.53234867 159216e-49	1.27709002 987834e-45
ATCG0119 0.1	5.67443891 951628	2.54094395 390477	218.950276 006923	1.53234867 159216e-49	1.27709002 987834e-45
ATCG0118 0.1	5.41281726 844243	1.70612417 121518	193.753076 781306	4.82121429 749411e-44	3.34841368 318129e-40
ATCG0118 0.1	5.41281726 844243	1.70612417 121518	193.753076 781306	4.82121429 749411e-44	3.34841368 318129e-40
ATCG0118 0.1	5.41281726 844243	1.70612417 121518	193.753076 781306	4.82121429 749411e-44	3.34841368 318129e-40
ATCG0118 0.1	5.41281726 844243	1.70612417 121518	193.753076 781306	4.82121429 749411e-44	3.34841368 318129e-40
ATCG0118 0.1	5.41281726 844243	1.70612417 121518	193.753076 781306	4.82121429 749411e-44	3.34841368 318129e-40
ATCG0118 0.1	5.41281726 844243	1.70612417 121518	193.753076 781306	4.82121429 749411e-44	3.34841368 318129e-40
ATCG0096 0.1	5.36140559 62098	1.61071301 235047	193.037017 751395	6.90943562 911045e-44	3.59903865 125827e-40

Identifier	logFC	logCPM	LR	PValue	FDR
ATCG0096 0.1	5.36140559 62098	1.61071301 235047	193.037017 751395	6.90943562 911045e-44	3.59903865 125827e-40
ATCG0096 0.1	5.36140559 62098	1.61071301 235047	193.037017 751395	6.90943562 911045e-44	3.59903865 125827e-40
ATCG0096 0.1	5.36140559 62098	1.61071301 235047	193.037017 751395	6.90943562 911045e-44	3.59903865 125827e-40
ATCG0096 0.1	5.36140559 62098	1.61071301 235047	193.037017 751395	6.90943562 911045e-44	3.59903865 125827e-40
ATCG0096 0.1	5.36140559 62098	1.61071301 235047	193.037017 751395	6.90943562 911045e-44	3.59903865 125827e-40
ATCG0097 0.1	5.36140559 62098	1.60060009 23063	193.037017 751395	6.90943562 911045e-44	3.59903865 125827e-40
ATCG0097 0.1	5.36140559 62098	1.60060009 23063	193.037017 751395	6.90943562 911045e-44	3.59903865 125827e-40
ATCG0097 0.1	5.36140559 62098	1.60060009 23063	193.037017 751395	6.90943562 911045e-44	3.59903865 125827e-40
ATCG0097 0.1	5.36140559 62098	1.60060009 23063	193.037017 751395	6.90943562 911045e-44	3.59903865 125827e-40
ATCG0097 0.1	5.36140559 62098	1.60060009 23063	193.037017 751395	6.90943562 911045e-44	3.59903865 125827e-40
ATCG0097 0.1	5.36140559 62098	1.60060009 23063	193.037017 751395	6.90943562 911045e-44	3.59903865 125827e-40
ATCG0098 0.1	5.34242631 627533	1.60461429 057373	192.178392 350484	1.06377292 690035e-43	4.92538684 854049e-40
ATCG0098 0.1	5.34242631 627533	1.60461429 057373	192.178392 350484	1.06377292 690035e-43	4.92538684 854049e-40
ATCG0098 0.1	5.34242631 627533	1.60461429 057373	192.178392 350484	1.06377292 690035e-43	4.92538684 854049e-40
ATCG0098 0.1	5.34242631 627533	1.60461429 057373	192.178392 350484	1.06377292 690035e-43	4.92538684 854049e-40
ATCG0098 0.1	5.34242631 627533	1.60461429 057373	192.178392 350484	1.06377292 690035e-43	4.92538684 854049e-40
ATCG0098 0.1	5.34242631 627533	1.60461429 057373	192.178392 350484	1.06377292 690035e-43	4.92538684 854049e-40

Top differentially expressed genes: full_table_GCShootCAX23-FLShootCAX23.txt

Identifier	logFC	logCPM	LR	PValue	FDR
AT1G66270 .1	7.38873637 335148	7.26917365 936669	312.892402 984258	5.11850873 856486e-70	1.06845695 517623e-65
AT1G66270 .1	7.38873637 335148	7.26917365 936669	312.892402 984258	5.11850873 856486e-70	1.06845695 517623e-65
AT1G66270 .1	7.38873637 335148	7.26917365 936669	312.892402 984258	5.11850873 856486e-70	1.06845695 517623e-65
AT1G66270 .1	7.38873637 335148	7.26917365 936669	312.892402 984258	5.11850873 856486e-70	1.06845695 517623e-65
AT1G66270 .1	7.38873637 335148	7.26917365 936669	312.892402 984258	5.11850873 856486e-70	1.06845695 517623e-65
AT1G66270 .1	7.38873637 335148	7.26917365 936669	312.892402 984258	5.11850873 856486e-70	1.06845695 517623e-65

Identifier	logFC	logCPM	LR	PValue	FDR
AT1G66270.2	7.38867588158995	7.26903515985076	312.888686191649	5.12806006659899e-70	1.06845695517623e-65
AT1G66270.2	7.38867588158995	7.26903515985076	312.888686191649	5.12806006659899e-70	1.06845695517623e-65
AT1G66270.2	7.38867588158995	7.26903515985076	312.888686191649	5.12806006659899e-70	1.06845695517623e-65
AT1G66270.2	7.38867588158995	7.26903515985076	312.888686191649	5.12806006659899e-70	1.06845695517623e-65
AT1G66270.2	7.38867588158995	7.26903515985076	312.888686191649	5.12806006659899e-70	1.06845695517623e-65
AT1G66270.2	7.38867588158995	7.26903515985076	312.888686191649	5.12806006659899e-70	1.06845695517623e-65
AT1G66280.1	7.1204808176628	6.56203207997704	290.19358164534	4.51207878994442e-65	6.26742784185913e-61
AT1G66280.1	7.1204808176628	6.56203207997704	290.19358164534	4.51207878994442e-65	6.26742784185913e-61
AT1G66280.1	7.1204808176628	6.56203207997704	290.19358164534	4.51207878994442e-65	6.26742784185913e-61
AT1G66280.1	7.1204808176628	6.56203207997704	290.19358164534	4.51207878994442e-65	6.26742784185913e-61
AT1G66280.1	7.1204808176628	6.56203207997704	290.19358164534	4.51207878994442e-65	6.26742784185913e-61
AT1G66280.1	7.1204808176628	6.56203207997704	290.19358164534	4.51207878994442e-65	6.26742784185913e-61
AT5G59090.1	7.29337680494103	6.38072246661963	285.012523518873	6.0717563792399e-64	5.17046205860009e-60
AT5G59090.1	7.29337680494103	6.38072246661963	285.012523518873	6.0717563792399e-64	5.17046205860009e-60
AT5G59090.1	7.29337680494103	6.38072246661963	285.012523518873	6.0717563792399e-64	5.17046205860009e-60
AT5G59090.1	7.29337680494103	6.38072246661963	285.012523518873	6.0717563792399e-64	5.17046205860009e-60
AT5G59090.1	7.29337680494103	6.38072246661963	285.012523518873	6.0717563792399e-64	5.17046205860009e-60
AT5G59090.1	7.29337680494103	6.38072246661963	285.012523518873	6.0717563792399e-64	5.17046205860009e-60
AT5G59090.3	7.29267079179788	6.37989829890779	284.96960965495	6.20390926375668e-64	5.17046205860009e-60
AT5G59090.3	7.29267079179788	6.37989829890779	284.96960965495	6.20390926375668e-64	5.17046205860009e-60
AT5G59090.3	7.29267079179788	6.37989829890779	284.96960965495	6.20390926375668e-64	5.17046205860009e-60
AT5G59090.3	7.29267079179788	6.37989829890779	284.96960965495	6.20390926375668e-64	5.17046205860009e-60
AT5G59090.3	7.29267079179788	6.37989829890779	284.96960965495	6.20390926375668e-64	5.17046205860009e-60
AT5G59090.3	7.29267079179788	6.37989829890779	284.96960965495	6.20390926375668e-64	5.17046205860009e-60
AT5G59090.2	7.28559158928771	6.37443791677974	284.539346302318	7.69877772748603e-64	5.34692944470117e-60
AT5G59090.2	7.28559158928771	6.37443791677974	284.539346302318	7.69877772748603e-64	5.34692944470117e-60

Identifier	logFC	logCPM	LR	PValue	FDR
AT5G59090.2	7.28559158928771	6.37443791677974	284.539346302318	7.69877772748603e-64	5.34692944470117e-60
AT5G59090.2	7.28559158928771	6.37443791677974	284.539346302318	7.69877772748603e-64	5.34692944470117e-60
AT5G59090.2	7.28559158928771	6.37443791677974	284.539346302318	7.69877772748603e-64	5.34692944470117e-60
AT5G59090.2	7.28559158928771	6.37443791677974	284.539346302318	7.69877772748603e-64	5.34692944470117e-60
AT4G12550.1	9.64631704299436	3.97875697701953	275.686694706718	6.53981936306477e-62	3.89315446683246e-58
AT4G12550.1	9.64631704299436	3.97875697701953	275.686694706718	6.53981936306477e-62	3.89315446683246e-58
AT4G12550.1	9.64631704299436	3.97875697701953	275.686694706718	6.53981936306477e-62	3.89315446683246e-58
AT4G12550.1	9.64631704299436	3.97875697701953	275.686694706718	6.53981936306477e-62	3.89315446683246e-58
AT4G12550.1	9.64631704299436	3.97875697701953	275.686694706718	6.53981936306477e-62	3.89315446683246e-58
AT4G12550.1	9.64631704299436	3.97875697701953	275.686694706718	6.53981936306477e-62	3.89315446683246e-58
AT1G26390.1	-8.33016429256497	2.31193728084334	266.076311840661	8.12985496545948e-60	4.23473982832078e-56
AT1G26390.1	-8.33016429256497	2.31193728084334	266.076311840661	8.12985496545948e-60	4.23473982832078e-56
AT1G26390.1	-8.33016429256497	2.31193728084334	266.076311840661	8.12985496545948e-60	4.23473982832078e-56
AT1G26390.1	-8.33016429256497	2.31193728084334	266.076311840661	8.12985496545948e-60	4.23473982832078e-56
AT1G26390.1	-8.33016429256497	2.31193728084334	266.076311840661	8.12985496545948e-60	4.23473982832078e-56
AT1G26390.1	-8.33016429256497	2.31193728084334	266.076311840661	8.12985496545948e-60	4.23473982832078e-56
AT5G53250.1	7.5618351575851	4.84980009886529	254.517325831618	2.6894062269348e-57	1.24522496536222e-53
AT5G53250.1	7.5618351575851	4.84980009886529	254.517325831618	2.6894062269348e-57	1.24522496536222e-53
AT5G53250.1	7.5618351575851	4.84980009886529	254.517325831618	2.6894062269348e-57	1.24522496536222e-53
AT5G53250.1	7.5618351575851	4.84980009886529	254.517325831618	2.6894062269348e-57	1.24522496536222e-53
AT5G53250.1	7.5618351575851	4.84980009886529	254.517325831618	2.6894062269348e-57	1.24522496536222e-53
AT5G53250.1	7.5618351575851	4.84980009886529	254.517325831618	2.6894062269348e-57	1.24522496536222e-53

Top differentially expressed genes: full_table_GCShootCOL00-FLShootCOL00.txt

Identifier	logFC	logCPM	LR	PValue	FDR
AT4G31970 .1	-11.2819150 140227	1.31247966 799562	318.173391 045401	3.62059313 903665e-71	1.50873736 696796e-66
AT4G31970 .1	-11.2819150 140227	1.31247966 799562	318.173391 045401	3.62059313 903665e-71	1.50873736 696796e-66
AT4G31970 .1	-11.2819150 140227	1.31247966 799562	318.173391 045401	3.62059313 903665e-71	1.50873736 696796e-66
AT4G31970 .1	-11.2819150 140227	1.31247966 799562	318.173391 045401	3.62059313 903665e-71	1.50873736 696796e-66
AT4G31970 .1	-11.2819150 140227	1.31247966 799562	318.173391 045401	3.62059313 903665e-71	1.50873736 696796e-66
AT4G31970 .1	-11.2819150 140227	1.31247966 799562	318.173391 045401	3.62059313 903665e-71	1.50873736 696796e-66
AT1G26390 .1	-8.28317107 979733	2.31193728 084334	300.448108 24408	2.63113975 096938e-67	5.48211122 813226e-63
AT1G26390 .1	-8.28317107 979733	2.31193728 084334	300.448108 24408	2.63113975 096938e-67	5.48211122 813226e-63
AT1G26390 .1	-8.28317107 979733	2.31193728 084334	300.448108 24408	2.63113975 096938e-67	5.48211122 813226e-63
AT1G26390 .1	-8.28317107 979733	2.31193728 084334	300.448108 24408	2.63113975 096938e-67	5.48211122 813226e-63
AT1G26390 .1	-8.28317107 979733	2.31193728 084334	300.448108 24408	2.63113975 096938e-67	5.48211122 813226e-63
AT1G26390 .1	-8.28317107 979733	2.31193728 084334	300.448108 24408	2.63113975 096938e-67	5.48211122 813226e-63
AT2G30750 .1	-6.58945356 335361	2.95080103 597395	252.202433 817106	8.59602158 985618e-57	1.19401605 223632e-52
AT2G30750 .1	-6.58945356 335361	2.95080103 597395	252.202433 817106	8.59602158 985618e-57	1.19401605 223632e-52
AT2G30750 .1	-6.58945356 335361	2.95080103 597395	252.202433 817106	8.59602158 985618e-57	1.19401605 223632e-52
AT2G30750 .1	-6.58945356 335361	2.95080103 597395	252.202433 817106	8.59602158 985618e-57	1.19401605 223632e-52
AT2G30750 .1	-6.58945356 335361	2.95080103 597395	252.202433 817106	8.59602158 985618e-57	1.19401605 223632e-52

Identifier	logFC	logCPM	LR	PValue	FDR
AT2G30750 .1	- 6.58945356 335361	2.95080103 597395	252.202433 817106	8.59602158 985618e-57	1.19401605 223632e-52
ATCG0096 0.1	- 8.69389612 709459	1.61071301 235047	216.626839 142394	4.92245002 906843e-49	5.12808537 903276e-45
ATCG0096 0.1	- 8.69389612 709459	1.61071301 235047	216.626839 142394	4.92245002 906843e-49	5.12808537 903276e-45
ATCG0096 0.1	- 8.69389612 709459	1.61071301 235047	216.626839 142394	4.92245002 906843e-49	5.12808537 903276e-45
ATCG0096 0.1	- 8.69389612 709459	1.61071301 235047	216.626839 142394	4.92245002 906843e-49	5.12808537 903276e-45
ATCG0096 0.1	- 8.69389612 709459	1.61071301 235047	216.626839 142394	4.92245002 906843e-49	5.12808537 903276e-45
ATCG0096 0.1	- 8.69389612 709459	1.61071301 235047	216.626839 142394	4.92245002 906843e-49	5.12808537 903276e-45
AT4G14630 .1	- 9.55185510 234386	1.68431192 856265	215.765367 06113	7.58761068 497137e-49	6.32366649 706884e-45
AT4G14630 .1	- 9.55185510 234386	1.68431192 856265	215.765367 06113	7.58761068 497137e-49	6.32366649 706884e-45
AT4G14630 .1	- 9.55185510 234386	1.68431192 856265	215.765367 06113	7.58761068 497137e-49	6.32366649 706884e-45
AT4G14630 .1	- 9.55185510 234386	1.68431192 856265	215.765367 06113	7.58761068 497137e-49	6.32366649 706884e-45
AT4G14630 .1	- 9.55185510 234386	1.68431192 856265	215.765367 06113	7.58761068 497137e-49	6.32366649 706884e-45
AT4G14630 .1	- 9.55185510 234386	1.68431192 856265	215.765367 06113	7.58761068 497137e-49	6.32366649 706884e-45
ATCG0099 0.1	- 8.64632420 261095	1.60886862 193457	213.908222 263977	1.92858575 818128e-48	1.30852748 036494e-44
ATCG0099 0.1	- 8.64632420 261095	1.60886862 193457	213.908222 263977	1.92858575 818128e-48	1.30852748 036494e-44
ATCG0099 0.1	- 8.64632420 261095	1.60886862 193457	213.908222 263977	1.92858575 818128e-48	1.30852748 036494e-44
ATCG0099 0.1	- 8.64632420 261095	1.60886862 193457	213.908222 263977	1.92858575 818128e-48	1.30852748 036494e-44
ATCG0099 0.1	- 8.64632420 261095	1.60886862 193457	213.908222 263977	1.92858575 818128e-48	1.30852748 036494e-44

Identifier	logFC	logCPM	LR	PValue	FDR
ATCG00990.1	-8.64632420261095	1.60886862193457	213.908222263977	1.92858575818128e-48	1.30852748036494e-44
ATCG00970.1	-8.64176566002093	1.6006000923063	213.647818675615	2.19809756486636e-48	1.30852748036494e-44
ATCG00970.1	-8.64176566002093	1.6006000923063	213.647818675615	2.19809756486636e-48	1.30852748036494e-44
ATCG00970.1	-8.64176566002093	1.6006000923063	213.647818675615	2.19809756486636e-48	1.30852748036494e-44
ATCG00970.1	-8.64176566002093	1.6006000923063	213.647818675615	2.19809756486636e-48	1.30852748036494e-44
ATCG00970.1	-8.64176566002093	1.6006000923063	213.647818675615	2.19809756486636e-48	1.30852748036494e-44
ATCG00970.1	-8.64176566002093	1.6006000923063	213.647818675615	2.19809756486636e-48	1.30852748036494e-44
ATCG00980.1	-8.07814209597967	1.60461429057373	209.01477883008	2.25328170743131e-47	1.17370627537963e-43
ATCG00980.1	-8.07814209597967	1.60461429057373	209.01477883008	2.25328170743131e-47	1.17370627537963e-43
ATCG00980.1	-8.07814209597967	1.60461429057373	209.01477883008	2.25328170743131e-47	1.17370627537963e-43
ATCG00980.1	-8.07814209597967	1.60461429057373	209.01477883008	2.25328170743131e-47	1.17370627537963e-43
ATCG00980.1	-8.07814209597967	1.60461429057373	209.01477883008	2.25328170743131e-47	1.17370627537963e-43
ATCG00980.1	-8.07814209597967	1.60461429057373	209.01477883008	2.25328170743131e-47	1.17370627537963e-43
AT2G45220.1	-5.4166984454398	3.29474516984772	184.654621943845	4.6687151838462e-42	2.16166700473394e-38
AT2G45220.1	-5.4166984454398	3.29474516984772	184.654621943845	4.6687151838462e-42	2.16166700473394e-38
AT2G45220.1	-5.4166984454398	3.29474516984772	184.654621943845	4.6687151838462e-42	2.16166700473394e-38
AT2G45220.1	-5.4166984454398	3.29474516984772	184.654621943845	4.6687151838462e-42	2.16166700473394e-38
AT2G45220.1	-5.4166984454398	3.29474516984772	184.654621943845	4.6687151838462e-42	2.16166700473394e-38

Identifier	logFC	logCPM	LR	PValue	FDR
AT2G45220.1	-5.4166984454398	3.29474516984772	184.654621943845	4.6687151838462e-42	2.16166700473394e-38

Top differentially expressed genes: full_table_GCShootRBOHD-FLShootRBOHD.txt

Identifier	logFC	logCPM	LR	PValue	FDR
AT3G49620.1	5.25472311024143	1.40078159968491	175.45436984213	4.76414205679473e-40	1.98526563648693e-35
AT3G49620.1	5.25472311024143	1.40078159968491	175.45436984213	4.76414205679473e-40	1.98526563648693e-35
AT3G49620.1	5.25472311024143	1.40078159968491	175.45436984213	4.76414205679473e-40	1.98526563648693e-35
AT3G49620.1	5.25472311024143	1.40078159968491	175.45436984213	4.76414205679473e-40	1.98526563648693e-35
AT3G49620.1	5.25472311024143	1.40078159968491	175.45436984213	4.76414205679473e-40	1.98526563648693e-35
AT3G49620.1	5.25472311024143	1.40078159968491	175.45436984213	4.76414205679473e-40	1.98526563648693e-35
AT2G41240.2	-5.17481472442545	-0.528241239364827	152.9503791461	3.92751164967199e-35	6.11070590328917e-31
AT2G41240.2	-5.17481472442545	-0.528241239364827	152.9503791461	3.92751164967199e-35	6.11070590328917e-31
AT2G41240.2	-5.17481472442545	-0.528241239364827	152.9503791461	3.92751164967199e-35	6.11070590328917e-31
AT2G41240.2	-5.17481472442545	-0.528241239364827	152.9503791461	3.92751164967199e-35	6.11070590328917e-31
AT2G41240.2	-5.17481472442545	-0.528241239364827	152.9503791461	3.92751164967199e-35	6.11070590328917e-31
AT2G41240.2	-5.17481472442545	-0.528241239364827	152.9503791461	3.92751164967199e-35	6.11070590328917e-31
AT2G41240.1	-5.16469100004434	-0.540012009522062	152.394552792549	5.19510303610639e-35	6.11070590328917e-31
AT2G41240.1	-5.16469100004434	-0.540012009522062	152.394552792549	5.19510303610639e-35	6.11070590328917e-31
AT2G41240.1	-5.16469100004434	-0.540012009522062	152.394552792549	5.19510303610639e-35	6.11070590328917e-31
AT2G41240.1	-5.16469100004434	-0.540012009522062	152.394552792549	5.19510303610639e-35	6.11070590328917e-31
AT2G41240.1	-5.16469100004434	-0.540012009522062	152.394552792549	5.19510303610639e-35	6.11070590328917e-31

Identifier	logFC	logCPM	LR	PValue	FDR
AT2G41240 .1	- 5.16469100 004434	- 0.54001200 9522062	152.394552 792549	5.19510303 610639e-35	6.11070590 328917e-31
AT4G37990 .1	5.00347166 447503	0.09503389 00937012	152.153317 1552	5.86566763 772328e-35	6.11070590 328917e-31
AT4G37990 .1	5.00347166 447503	0.09503389 00937012	152.153317 1552	5.86566763 772328e-35	6.11070590 328917e-31
AT4G37990 .1	5.00347166 447503	0.09503389 00937012	152.153317 1552	5.86566763 772328e-35	6.11070590 328917e-31
AT4G37990 .1	5.00347166 447503	0.09503389 00937012	152.153317 1552	5.86566763 772328e-35	6.11070590 328917e-31
AT4G37990 .1	5.00347166 447503	0.09503389 00937012	152.153317 1552	5.86566763 772328e-35	6.11070590 328917e-31
AT4G37990 .1	5.00347166 447503	0.09503389 00937012	152.153317 1552	5.86566763 772328e-35	6.11070590 328917e-31
AT2G38240 .1	4.31553555 824845	1.54914669 919334	131.325398 60626	2.10170338 120924e-30	1.75160163 196741e-26
AT2G38240 .1	4.31553555 824845	1.54914669 919334	131.325398 60626	2.10170338 120924e-30	1.75160163 196741e-26
AT2G38240 .1	4.31553555 824845	1.54914669 919334	131.325398 60626	2.10170338 120924e-30	1.75160163 196741e-26
AT2G38240 .1	4.31553555 824845	1.54914669 919334	131.325398 60626	2.10170338 120924e-30	1.75160163 196741e-26
AT2G38240 .1	4.31553555 824845	1.54914669 919334	131.325398 60626	2.10170338 120924e-30	1.75160163 196741e-26
AT2G38240 .1	4.31553555 824845	1.54914669 919334	131.325398 60626	2.10170338 120924e-30	1.75160163 196741e-26
AT3G56980 .1	- 4.90602460 317392	0.26720795 5901458	127.164648 867619	1.70983292 11632e-29	1.18750746 09632e-25
AT3G56980 .1	- 4.90602460 317392	0.26720795 5901458	127.164648 867619	1.70983292 11632e-29	1.18750746 09632e-25
AT3G56980 .1	- 4.90602460 317392	0.26720795 5901458	127.164648 867619	1.70983292 11632e-29	1.18750746 09632e-25
AT3G56980 .1	- 4.90602460 317392	0.26720795 5901458	127.164648 867619	1.70983292 11632e-29	1.18750746 09632e-25
AT3G56980 .1	- 4.90602460 317392	0.26720795 5901458	127.164648 867619	1.70983292 11632e-29	1.18750746 09632e-25
AT3G56980 .1	- 4.90602460 317392	0.26720795 5901458	127.164648 867619	1.70983292 11632e-29	1.18750746 09632e-25
AT1G13609 .1	- 3.94441765 178963	0.23773563 5359535	116.748392 348578	3.25896642 922565e-27	1.94006271 531803e-23
AT1G13609 .1	- 3.94441765 178963	0.23773563 5359535	116.748392 348578	3.25896642 922565e-27	1.94006271 531803e-23
AT1G13609 .1	- 3.94441765 178963	0.23773563 5359535	116.748392 348578	3.25896642 922565e-27	1.94006271 531803e-23

Identifier	logFC	logCPM	LR	PValue	FDR
AT1G13609 .1	-3.94441765 178963	0.23773563 5359535	116.748392 348578	3.25896642 922565e-27	1.94006271 531803e-23
AT1G13609 .1	-3.94441765 178963	0.23773563 5359535	116.748392 348578	3.25896642 922565e-27	1.94006271 531803e-23
AT1G13609 .1	-3.94441765 178963	0.23773563 5359535	116.748392 348578	3.25896642 922565e-27	1.94006271 531803e-23
AT2G14247 .1	-4.04902889 948378	-0.14409395 853569	114.473502 919999	1.02628481 113024e-26	5.34578929 557605e-23
AT2G14247 .1	-4.04902889 948378	-0.14409395 853569	114.473502 919999	1.02628481 113024e-26	5.34578929 557605e-23
AT2G14247 .1	-4.04902889 948378	-0.14409395 853569	114.473502 919999	1.02628481 113024e-26	5.34578929 557605e-23
AT2G14247 .1	-4.04902889 948378	-0.14409395 853569	114.473502 919999	1.02628481 113024e-26	5.34578929 557605e-23
AT2G14247 .1	-4.04902889 948378	-0.14409395 853569	114.473502 919999	1.02628481 113024e-26	5.34578929 557605e-23
AT2G14247 .1	-4.04902889 948378	-0.14409395 853569	114.473502 919999	1.02628481 113024e-26	5.34578929 557605e-23
AT1G13609 .2	-3.90012790 383643	0.05274854 41731151	113.003381 432294	2.15407180 552237e-26	9.97359180 088029e-23
AT1G13609 .2	-3.90012790 383643	0.05274854 41731151	113.003381 432294	2.15407180 552237e-26	9.97359180 088029e-23
AT1G13609 .2	-3.90012790 383643	0.05274854 41731151	113.003381 432294	2.15407180 552237e-26	9.97359180 088029e-23
AT1G13609 .2	-3.90012790 383643	0.05274854 41731151	113.003381 432294	2.15407180 552237e-26	9.97359180 088029e-23
AT1G13609 .2	-3.90012790 383643	0.05274854 41731151	113.003381 432294	2.15407180 552237e-26	9.97359180 088029e-23
AT1G13609 .2	-3.90012790 383643	0.05274854 41731151	113.003381 432294	2.15407180 552237e-26	9.97359180 088029e-23

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R session information

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Base packages: base, datasets, graphics, grDevices, methods,
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Other packages: edgeR 2.6.12, limma 3.12.3
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