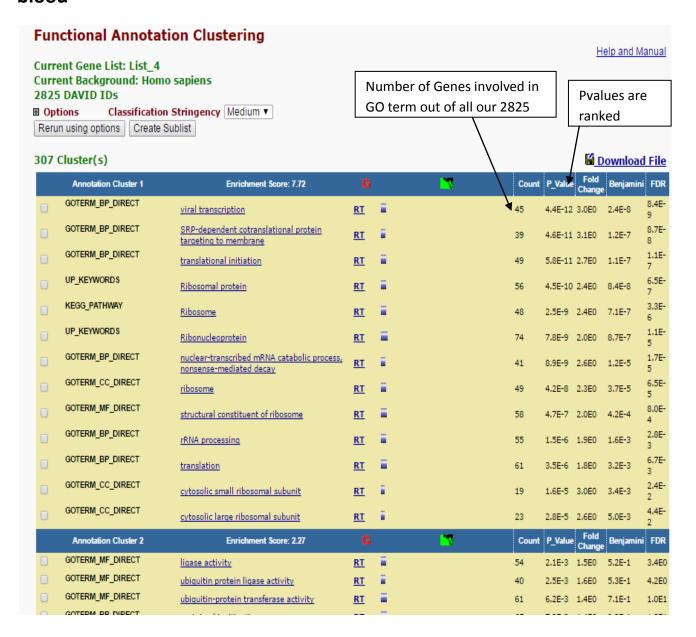
- Running DAVID Trials <u>Differnet dimensions to GSEA</u>
- All threshholds left to the default settings
- DAVID needs a background list of genes (like test vs training set) the default (Homo sapiens) was used otherwise we could have run one tissue against all others

Functional Annotation Clustering (based on enrichment score) for blood



Functional Annotation Clustering based on enrichment score for blood

- With high clustering stringency

218 (Cluster(s)							₩ _D	ownload	d File
	Annotation Cluster 1	Enrichment Score: 10	G		77	Count	P_Value	Fold Change	Benjamin	i FDR
	GOTERM_BP_DIRECT	viral transcription	<u>RT</u>	i.		45	4.4E-12	3.0E0	2.4E-8	8.4E- 9
	GOTERM_BP_DIRECT	SRP-dependent cotranslational protein targeting to membrane	<u>RT</u>	i.		39	4.6E-11	3.1E0	1.2E-7	8.7E- 8
	GOTERM_BP_DIRECT	translational initiation	<u>RT</u>	i.		49	5.8E-11	2.7E0	1.1E-7	1.1E- 7
	GOTERM_BP_DIRECT	nuclear-transcribed mRNA catabolic process, nonsense-mediated decay	<u>RT</u>	ā.		41	8.9E-9	2.6E0	1.2E-5	1.7E- 5
	Annotation Cluster 2	Enrichment Score: 7.44			7	Count	P_Value	Fold Change	Benjamin	i FDR
	UP_KEYWORDS	Ribosomal protein	<u>RT</u>	ŧ.		56	4.5E-10	2.4E0	8.4E-8	6.5E- 7
	KEGG_PATHWAY	<u>Ribosome</u>	<u>RT</u>	i.		48	2.5E-9	2.4E0	7.1E-7	3.3E- 6
	GOTERM_MF_DIRECT	structural constituent of ribosome	<u>RT</u>	Ē		58	4.7E-7	2.0E0	4.2E-4	8.0E- 4
	GOTERM_BP_DIRECT	<u>translation</u>	<u>RT</u>	Ē		61	3.5E-6	1.8E0	3.2E-3	6.7E- 3
	Annotation Cluster 3	Enrichment Score: 2.31	G		77	Count	P_Value	Fold Change	Benjamin	i FDR
	INTERPRO	Tetratricopeptide repeat	<u>RT</u>	i.		34	3.3E-4	1.9E0	6.4E-1	6.0E- 1
	INTERPRO	Tetratricopeptide repeat-containing domain	<u>RT</u>	i.		31	1.5E-3	1.8E0	8.9E-1	2.6E0
	UP_KEYWORDS	TPR repeat	<u>RT</u>	8		36	1.5E-3	1.7E0	6.8E-2	2.2E0
	UP_SEQ_FEATURE	repeat:TPR 4	<u>RT</u>	i.		24	3.3E-3	1.9E0	1.0E0	6.1E0
	SMART	<u>TPR</u>	RT	Ē.		30	3.7E-3	1.7E0	8.9E-1	5.3E0
	UP_SEQ_FEATURE	repeat:TPR 3	<u>RT</u>	1		30	1.4E-2	1.6E0	1.0E0	2.4E1
	UP_SEQ_FEATURE	repeat:TPR 2	<u>RT</u>	8		32	1.6E-2	1.5E0	1.0E0	2.6E1
	UP_SEQ_FEATURE	repeat:TPR 1	<u>RT</u>	8		32	1.6E-2	1.5E0	1.0E0	2.6E1
	INTERPRO	Tetratricopeptide-like helical	RT	1		38	5.4E-2	1.3E0	1.0E0	6.3E1

ID	© GO:0019083
Name	viral transcription
Ontology	Biological Process
Definition	The process by which a viral genome, or part of a viral genome, is transcribed within the host
	cell.

Name SRP-dependent cotranslational protein targeting to membrane

Ontology Biological Process

Definition The targeting of proteins to a membrane that occurs during translation and is dependent

upon two key components, the signal-recognition particle (SRP) and the SRP receptor. SRP is a cytosolic particle that transiently binds to the endoplasmic reticulum (ER) signal sequence in a nascent protein, to the large ribosomal unit, and to the SRP receptor in the ER membrane.

ID

👼 GO:0006413

Name translational initiation
Ontology Biological Process

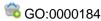
Definition The process preceding formation of the peptide bond between the first two amino acids of a protein. This includes the formation of a complex of the ribosome, mRNA, and an initiation

complex that contains the first aminoacyl-tRNA.

Secondary IDs

GO:0006440 GO:0006454

ID



Name

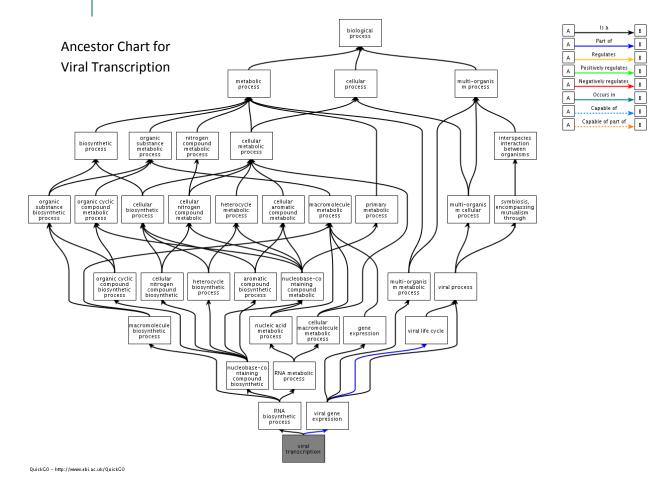
nuclear-transcribed mRNA catabolic process, nonsense-mediated decay

Ontology

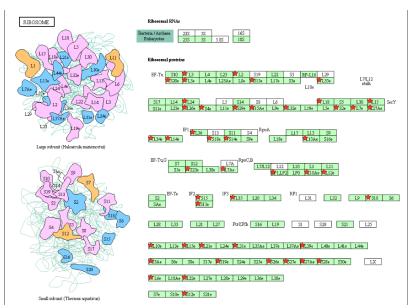
Biological Process

Definition

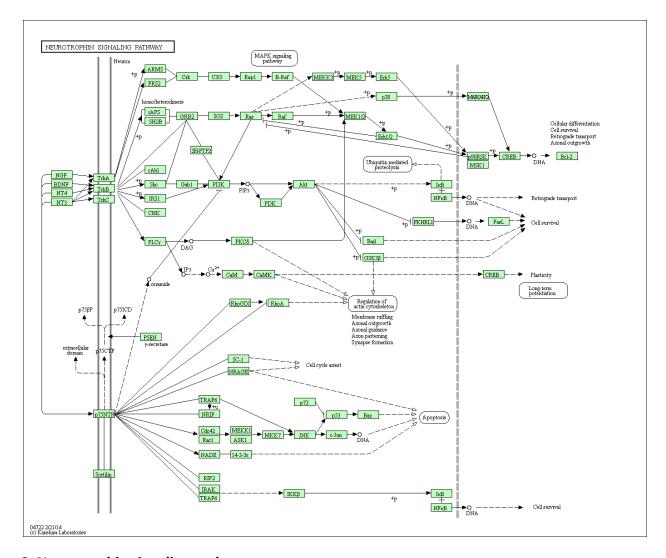
The nonsense-mediated decay pathway for nuclear-transcribed mRNAs degrades mRNAs in which an amino-acid codon has changed to a nonsense codon; this prevents the translation of such mRNAs into truncated, and potentially harmful, proteins.



KEGG Pathways: Provided 3 based on three terms (Ribosome, Neurotrophin signaling pathway, Insulin secretion)



1. Ribosome Pathway



2. Neurotrophin signaling pathway

3. Insulin secretion

COLON

Without low clustering Stringency

53 C	53 Cluster(s) <u>Download File</u>											
	Annotation Cluster 1	Enrichment Score: 3.67	G		17	Count	P_Value	Fold Change	Benjamin	ıi FDR		
	GOTERM_BP_DIRECT	nuclear-transcribed mRNA catabolic process, nonsense-mediated decay	<u>RT</u>	E		13	4.4E-6	5.5E0	7.8E-3	7.5E- 3		
	KEGG_PATHWAY	Ribosome	<u>RT</u>			14	7.4E-6	4.7E0	1.5E-3	9.3E- 3		
	GOTERM_BP_DIRECT	viral transcription	<u>RT</u>			12	1.4E-5	5.4E0	1.3E-2	2,4E- 2		
	GOTERM_BP_DIRECT	SRP-dependent cotranslational protein targeting to membrane	<u>RT</u>			11	1.7E-5	5.9E0	1.0E-2	3.0E- 2		
	GOTERM_MF_DIRECT	structural constituent of ribosome	<u>RT</u>			16	3.4E-5	3.7E0	1.9E-2	5.0E- 2		
	UP_KEYWORDS	Ribosomal protein	<u>RT</u>			14	4.8E-5	4.0E0	8.3E-3	6.6E- 2		
	GOTERM_BP_DIRECT	translational initiation	<u>RT</u>	=		12	9.3E-5	4.4E0	4.0E-2	1.6E-		
	GOTERM_BP_DIRECT	translation	<u>RT</u>			16	1.7E-4	3.2E0	5.9E-2	2.9E-		
	GOTERM_CC_DIRECT	cytosolic small ribosomal subunit	<u>RT</u>	Ē		7	3.3E-4	7.4E0	5.5E-2	4.5E- 1		
	UP_KEYWORDS	Ribonucleoprotein	<u>RT</u>			15	1.5E-3	2.7E0	1.6E-1	2.0E0		
	GOTERM_CC_DIRECT	ribosome	RT	8		11	1.6E-3	3.4E0	1.7E-1	2.2E0		
	GOTERM_BP_DIRECT	rRNA processing	<u>RT</u>			12	3.8E-3	2.8E0	6.2E-1	6.3E0		
	GOTERM_CC_DIRECT	small ribosomal subunit	RT	Ē.		4	1.5E-2	7.5E0	6.5E-1	1.9E1		
	GOTERM_CC_DIRECT	cytosolic large ribosomal subunit	<u>RT</u>	Ē.		5	4.4E-2	3.7E0	7.2E-1	4.6E1		
	Annotation Cluster 2	Enrichment Score: 1.17	G			Count	P_Value	Fold Change	Benjamin	ii FDR		
	GOTERM_CC_DIRECT	cell-cell adherens junction	<u>RT</u>			12	5.4E-2	1.9E0	7.7E-1	5.3E1		
	GOTERM_MF_DIRECT	cadherin binding involved in cell-cell adhesion	<u>RT</u>			11	6.1E-2	1.9E0	9.7E-1	6.0E1		
	GOTERM_BP_DIRECT	cell-cell adhesion	<u>RT</u>			10	9.3E-2	1.8E0	1.0E0	8.1E1		
	Annotation Cluster 3	Enrichment Score: 1.16	G		<u>™</u>	Count	P_Value	Fold Change	Benjamin	ii FDR		
	GOTERM_BP_DIRECT	clathrin-mediated endocytosis	<u>RT</u>	1		4	6.9E-3	1.0E1	7.4E-1	1.1E1		
	GOTERM_BP_DIRECT	antigen processing and presentation of exogenous peptide antigen via MHC class II	<u>RT</u>	Ē		7	1.0E-2	3.8E0	8.3E-1	1.6E1		
	GOTERM_MF_DIRECT	clathrin adaptor activity	<u>RT</u>	ř.		3	1.6E-2	1.5E1	9.5E-1	2.0E1		
	KEGG_PATHWAY	Endocrine and other factor-regulated	DT	=		_		- 450	0.45.4	4.054		

With High Clustering Stringency

Functional Annotation Clustering

Help and Manual

Current Gene List: List_1 Current Background: Homo sapiens 431 DAVID IDs

Options Classification Stringency High
 Rerun using options | Create Sublist |

36 Cluster(s)

■ Download File

	Annotation Cluster 1	Enrichment Score: 4.28	G		™	Count	P_Value	Fold Change	Benjamin	i FDR
	GOTERM_BP_DIRECT	nuclear-transcribed mRNA catabolic process, nonsense-mediated decay	<u>RT</u>	E		13	4.4E-6	5.5E0	7.8E-3	7.5E- 3
	GOTERM_BP_DIRECT	viral transcription	<u>RT</u>			12	1.4E-5	5.4E0	1.3E-2	2.4E- 2
	GOTERM_BP_DIRECT	SRP-dependent cotranslational protein targeting to membrane	<u>RT</u>	ŧ		11	1.7E-5	5.9E0	1.0E-2	3.0E- 2
	GOTERM_BP_DIRECT	translational initiation	<u>RT</u>	Ē		12	9.3E-5	4.4E0	4.0E-2	1.6E- 1
	GOTERM_BP_DIRECT	rRNA processing	<u>RT</u>	ŧ		12	3.8E-3	2.8E0	6.2E-1	6.3E0
	Annotation Cluster 2	Enrichment Score: 4.1			T.	Count	P_Value	Fold Change	Benjamin	i FDR
	KEGG_PATHWAY	Ribosome	<u>RT</u>	E		14	7.4E-6	4.7E0	1.5E-3	9.3E- 3
	GOTERM_MF_DIRECT	structural constituent of ribosome	<u>RT</u>			16	3.4E-5	3.7E0	1.9E-2	5.0E- 2
	UP_KEYWORDS	Ribosomal protein	<u>RT</u>			14	4.8E-5	4.0E0	8.3E-3	6.6E- 2
	GOTERM_BP_DIRECT	<u>translation</u>	<u>RT</u>			16	1.7E-4	3.2E0	5.9E-2	2.9E- 1
	UP_KEYWORDS	Ribonucleoprotein	<u>RT</u>	Ē		15	1.5E-3	2.7E0	1.6E-1	2.0E0
	Annotation Cluster 3	Enrichment Score: 1.32			M.	Count	P_Value	Fold Change	Benjamin	i FDR
	SMART	ZnF C2H2	<u>RT</u>	Е		23	1.9E-2	1.7E0	9.6E-1	2.1E1
	INTERPRO	Zinc finger, C2H2-like	<u>RT</u>			23	3.7E-2	1.6E0	1.0E0	4.4E1
	INTERPRO	Zinc finger, C2H2	<u>RT</u>			23	5.4E-2	1.5E0	1.0E0	5.8E1
0	INTERPRO	Zinc finger C2H2-type/integrase DNA- binding domain	<u>RT</u>			19	1.4E-1	1.4E0	1.0E0	9.0E1
	Annotation Cluster 4	Enrichment Score: 1.21			To the second se	Count	P_Value	Fold	Benjamin	i FDR

Name nuclear-transcribed mRNA catabolic process, nonsense-mediated decay

Ontology Biological Process

Definition The nonsense-mediated decay pathway for nuclear-transcribed mRNAs degrades mRNAs

in which an amino-acid codon has changed to a nonsense codon; this prevents the

translation of such mRNAs into truncated, and potentially harmful, proteins.

IDNameOntologyGO:0006364rRNA processingBiological Process

Definition Any process involved in the conversion of a primary ribosomal RNA (rRNA) transcript into

one or more mature rRNA molecules. GO:0006365

Secondary IDs

TONSIL

Medium Clustering Stringency

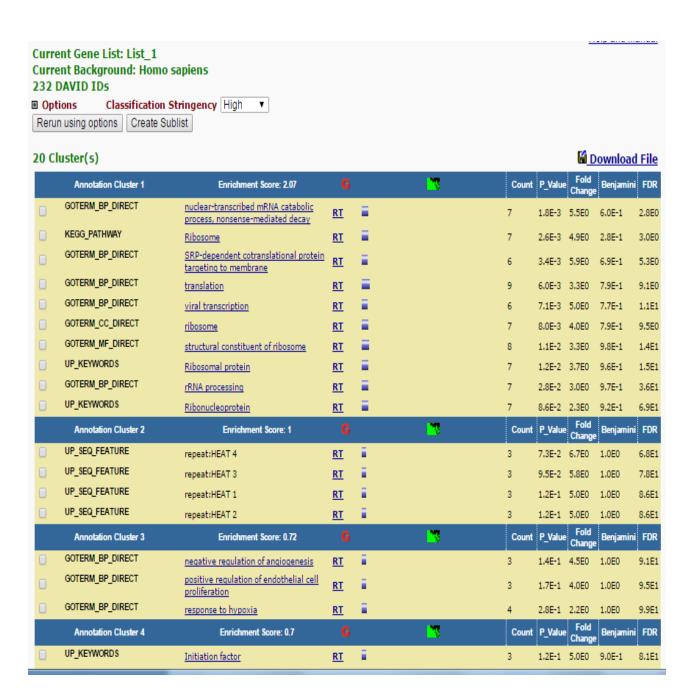
Current Gene List: List_1
Current Background: Homo sapiens
232 DAVID IDs

■ Options Classification Stringency Medium ▼
Rerun using options Create Sublist

26 Cluster(s) Download File

_	o cit	ister(s)							<u>u </u>	owilload	rile
		Annotation Cluster 1	Enrichment Score: 1.99	G		77	Count	P_Value	Fold Change	Benjamini	FDR
ı	0	GOTERM_BP_DIRECT	translational initiation	<u>RT</u>			9	1.2E-4	6.1E0	1.1E-1	1.8E- 1
	0	GOTERM_BP_DIRECT	nuclear-transcribed mRNA catabolic process, nonsense-mediated decay	<u>RT</u>			7	1.8E-3	5.5E0	6.0E-1	2.8E0
		KEGG_PATHWAY	Ribosome	<u>RT</u>			7	2.6E-3	4.9E0	2.8E-1	3.0E0
	0	GOTERM_BP_DIRECT	SRP-dependent cotranslational protein targeting to membrane	<u>RT</u>	Ē.		6	3.4E-3	5.9E0	6.9E-1	5.3E0
	0	GOTERM_BP_DIRECT	translation	<u>RT</u>			9	6.0E-3	3,3E0	7.9E-1	9.1E0
		INTERPRO	Ribosomal protein, zinc-binding domain	<u>RT</u>	i.		3	7.0E-3	2.3E1	9.7E-1	9.5E0
		GOTERM_BP_DIRECT	viral transcription	<u>RT</u>	Ē,		6	7.1E-3	5.0E0	7.7E-1	1.1E1
		GOTERM_CC_DIRECT	<u>ribosome</u>	<u>RT</u>			7	8.0E-3	4.0E0	7.9E-1	9.5E0
		GOTERM_MF_DIRECT	structural constituent of ribosome	<u>RT</u>			8	1.1E-2	3,3E0	9.8E-1	1.4E1
		UP_SEQ_FEATURE	zinc finger region:C4-type	<u>RT</u>	Ē,		5	1.1E-2	5.7E0	1.0E0	1.6E1
		UP_KEYWORDS	Ribosomal protein	<u>RT</u>			7	1.2E-2	3.7E0	9.6E-1	1.5E1
		GOTERM_CC_DIRECT	cytosolic small ribosomal subunit	<u>RT</u>	ŧ.		4	1.4E-2	8.0E0	5.9E-1	1.6E1
		GOTERM_BP_DIRECT	rRNA processing	<u>RT</u>			7	2.8E-2	3.0E0	9.7E-1	3.6E1
		UP_KEYWORDS	Ribonucleoprotein	<u>RT</u>	8		7	8.6E-2	2.3E0	9.2E-1	6.9E1
		GOTERM_CC_DIRECT	cytosolic large ribosomal subunit	<u>RT</u>	ŧ.		3	1.6E-1	4.2E0	9.8E-1	8.8E1
		GOTERM_MF_DIRECT	poly(A) RNA binding	<u>RT</u>			14	4.7E-1	1.1E0	1.0E0	1.0E2
		Annotation Cluster 2	Enrichment Score: 1.15	G		17	Count	P_Value	Fold Change	Benjamini	FDR
		UP_KEYWORDS	<u>Chloride</u>	<u>RT</u>			4	4.0E-2	5.3E0	9.2E-1	4.1E1
		GOTERM_BP_DIRECT	chloride transmembrane transport	<u>RT</u>	i.		4	7.8E-2	4.0E0	9.9E-1	7.3E1
		GOTERM_MF_DIRECT	chloride channel activity	<u>RT</u>	i		3	1.2E-1	5.0E0	1.0E0	8.2E1
		Annotation Cluster 3	Enrichment Score: 1.07	G		NT.	Count	P_Value	Fold Change	Benjamini	FDR

High Clustering Stringency



<u>AL</u>N

Medium Clustering Stringency

Functional Annotation Clustering

Current Gene List: List_1

Current Background: Homo sapiens

1777 DAVID IDs

■ Options Classification Stringency Medium ▼

Rerun using options | Create Sublist

200 Cluster(s)

									· · · · · · · · · · · · · · · · · · ·	11110
	Annotation Cluster 1	Enrichment Score: 4.83	G			Count	P_Value	Fold Change	Benjamin	FDR
	UP_KEYWORDS	Ribosomal protein	<u>RT</u>	Ē		38	1.1E-7	2.6E0	2.9E-5	1.7E- 4
	UP_KEYWORD\$	Ribonucleoprotein	<u>RT</u>			50	5.5E-7	2.1E0	9,3E-5	8.0E- 4
	KEGG_PATHWAY	Ribosome	<u>RT</u>	ä		31	5.6E-7	2.7E0	1.6E-4	7.4E- 4
	GOTERM_BP_DIRECT	viral transcription	<u>RT</u>	ä		26	3.2E-6	2.8E0	1.3E-2	5.9E- 3
	GOTERM_BP_DIRECT	translational initiation	<u>RT</u>	ä		29	5.2E-6	2.6E0	1.1E-2	9.8E- 3
	GOTERM_BP_DIRECT	SRP-dependent cotranslational protein targeting to membrane	<u>RT</u>	i		23	5.4E-6	3.0E0	7.3E-3	1.0E- 2
	GOTERM_CC_DIRECT	<u>ribosome</u>	<u>RT</u>	ä		31	2.6E-5	2.3E0	1.8E-2	3.9E- 2
	GOTERM_MF_DIRECT	structural constituent of ribosome	<u>RT</u>	Ē		37	6.6E-5	2.0E0	8.1E-2	1.1E- 1
	GOTERM_BP_DIRECT	nuclear-transcribed mRNA catabolic process, nonsense-mediated decay	<u>RT</u>	i		24	8.8E-5	2.5E0	8.6E-2	1.6E- 1
	GOTERM_BP_DIRECT	translation	<u>RT</u>	Ē		40	9.4E-5	1.9E0	7.4E-2	1.7E- 1
	GOTERM_CC_DIRECT	cytosolic large ribosomal subunit	<u>RT</u>	1		15	9.7E-4	2.7E0	2.0E-1	1.4E0
	GOTERM_BP_DIRECT	rRNA processing	<u>RT</u>			31	2.7E-3	1.8E0	7.9E-1	4.8E0
	Annotation Cluster 2	Enrichment Score: 2.38	G		177	Count	P_Value	Fold Change	Benjamini	FDR
	INTERPRO	Translation protein SH3-like domain	<u>RT</u>	i		8	4.7E-5	7.0E0	9.8E-2	8.1E- 2
	INTERPRO	KOW	<u>RT</u>	i.		5	3.9E-3	6.8E0	9.9E-1	6.6E0
	SMART	KOW	<u>RT</u>	i		4	8.4E-3	8.3E0	8.3E-1	1.1E1
П	INTERPRO	Pibacamal protain 124/126 concorred cit	. рт	1		2	1 05-2	1 251	0 0E-1	2.051

High Clustering Stringency

Help and Manual

Download File



MLN Medium Clustering Stringency

Functional Annotation Clustering Help and Manual Current Gene List: List_1 **Current Background: Homo sapiens** 1450 DAVID IDs Options Classification Stringency Medium ▼ Rerun using options | Create Sublist **M** Download File 162 Cluster(s) Count P_Value Fold Change Annotation Cluster 1 Enrichment Score: 5.21 Benjamini FDR GOTERM_BP_DIRECT SRP-dependent cotranslational protein 9.0E-RT 24 4.9E-8 3.8E0 1.8E-4 targeting to membrane GOTERM_BP_DIRECT 2.1Etranslational initiation <u>RT</u> 29 1.2E-7 3.1E0 2.2E-4 UP_KEYWORDS 3.4E-Ribosomal protein <u>RT</u> 33 2.4E-7 2.8E0 3.7E-5 GOTERM_BP_DIRECT 6.8Eviral transcription <u>RT</u> 25 3.7E-7 3.3E0 4.6E-4 KEGG_PATHWAY 1.0E-Е 28 7.9E-7 2.9E0 2.1E-4 Ribosome <u>RT</u> GOTERM_CC_DIRECT 2.0E-1.4E-6 2.7E0 8.7E-4 <u>ribosome</u> <u>RT</u> 30 GOTERM_MF_DIRECT 3.6Estructural constituent of ribosome <u>RT</u> 36 2.2E-6 2.4E0 2.6E-3 GOTERM_BP_DIRECT nuclear-transcribed mRNA catabolic 7.7E-Н 4.2E-6 3.0E0 3.9E-3 <u>RT</u> 24 process, nonsense-mediated decay UP_KEYWORDS 2.0E-1.4E-5 2.1E0 1.3E-3 <u>Ribonucleoprotein</u> <u>RT</u> 40 GOTERM_BP_DIRECT 3.4E-Е 1.8E-5 2.2E0 1.4E-2 <u>translation</u> <u>RT</u> 37 GOTERM_BP_DIRECT 2.2E-Е rRNA processing <u>RT</u> 31 1.2E-4 2.1E0 7.1E-2 GOTERM_CC_DIRECT 6.7Ecytosolic large ribosomal subunit Ē 4.5E-4 3.1E0 9.1E-2 <u>RT</u> 14 GOTERM_CC_DIRECT cytosolic small ribosomal subunit <u>RT</u> Ē 11 1.0E-3 3.5E0 1.2E-1 1.5E0 GOTERM_CC_DIRECT Ē small ribosomal subunit <u>RT</u> 8 1.5E-3 4.5E0 1.5E-1 2.2E0

RT =

RT =

Count P_Value Ch

1.5E-3 2.0E0

5.1F-3 1.6F0 2.0F-1

25

36

Benjamini FDR

2.7E0

7.1F0

4.7E-1

High Clustering Stringency

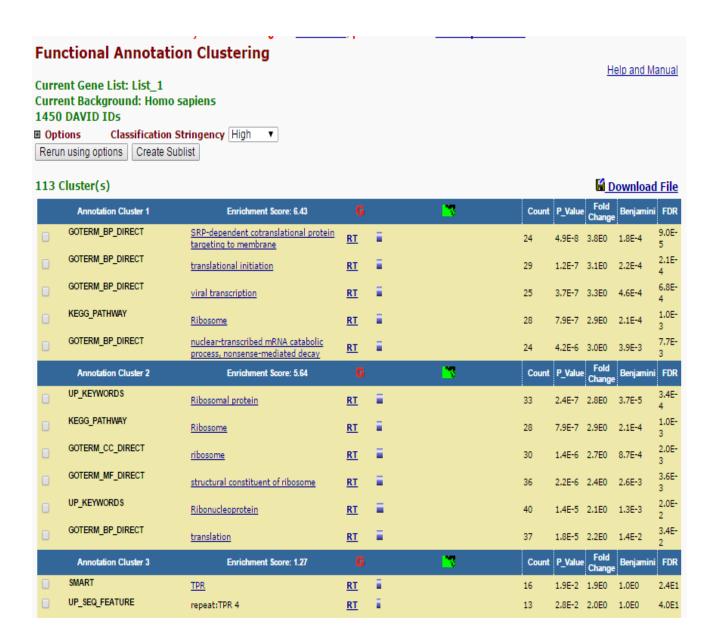
Enrichment Score: 1.89

protein polyubiquitination

Annotation Cluster 2

GOTERM_BP_DIRECT

UP_KEYWORDS



Top 300 from each tissue - all combined

* we could look at common terms that appear in all tissues – I have provided the annotations for some of the terms that were more common.
 I like the viral transcription one ©

Medium Clustering Stringency

Current Gene List: List_1

Current Background: Homo sapiens

1288 DAVID IDs

■ Options Classification Stringency Medium ▼

Rerun using options | Create Sublist

148 Cluster(s)

Download File

		sidster(s)								OWING	d Tile
		Annotation Cluster 1	Enrichment Score: 5.07			<u>™</u>	Count	P_Value	Fold Change	Benjamir	ni FDR
ı	0	KEGG_PATHWAY	Ribosome	<u>RT</u>			28	5.6E-8	3.3E0	1.5E-5	7.3E- 5
		GOTERM_BP_DIRECT	translational initiation	<u>RT</u>	ē		26	6.2E-7	3.1E0	2.1E-3	1.1E- 3
		UP_KEYWORDS	Ribosomal protein	<u>RT</u>	ŧ		30	6.7E-7	2.8E0	1.0E-4	9.6E- 4
		GOTERM_BP_DIRECT	SRP-dependent cotranslational protein targeting to membrane	<u>RT</u>	i		20	2.8E-6	3.5E0	4.8E-3	5.1E- 3
		GOTERM_CC_DIRECT	ribosome	<u>RT</u>	ŧ		27	4.9E-6	2.7E0	2.8E-3	7.2E- 3
		UP_KEYWORDS	Ribonucleoprotein	<u>RT</u>	ē		38	6.0E-6	2.3E0	7.1E-4	8.6E- 3
		GOTERM_BP_DIRECT	translation	<u>RT</u>	ē		34	2.5E-5	2.2E0	2.8E-2	4.6E- 2
		GOTERM_BP_DIRECT	nuclear-transcribed mRNA catabolic process, nonsense-mediated decay	<u>RT</u>	i		21	2.8E-5	2.9E0	2.4E-2	5.2E- 2
		GOTERM_MF_DIRECT	structural constituent of ribosome	<u>RT</u>	ŧ		31	3.0E-5	2.3E0	3.5E-2	4.9E- 2
		GOTERM_CC_DIRECT	cytosolic large ribosomal subunit	<u>RT</u>	i		15	3.6E-5	3.7E0	6.8E-3	5.2E- 2
		GOTERM_BP_DIRECT	viral transcription	<u>RT</u>	i		20	3.9E-5	3.0E0	2.6E-2	7.1E- 2
ı		GOTERM_BP_DIRECT	rRNA processing	RT	Ē		25	2.6E-3	1.9E0	6.7E-1	4.6E0
		Annotation Cluster 2	Enrichment Score: 2.02				Count	P_Value	Fold Change	Benjamir	ni FDR
ı	0	INTERPRO	Translation protein SH3-like domain	<u>RT</u>	i		7	8.5E-5	8.4E0	1.4E-1	1.4E- 1
		INTERPRO	Ribosomal protein L24/L26, conserved site	<u>RT</u>	i.		3	1.0E-2	1.7E1	1.0E0	1.6E1
		INTERPRO	KOW	<u>RT</u>	i.		4	1.3E-2	7.5E0	1.0E0	2.0E1
		GOTERM_BP_DIRECT	cytoplasmic translation	RT	i		6	1.5E-2	4.0E0	9.9E-1	2.5E1
	0	INTERPRO	Ribosomal protein L2 domain 2	<u>RT</u>	i		5	1.6E-2		1.0E0	2.4E1
	U	INTERPRO	Ribosomal protein L2 domain 2	<u>RT</u>	<u> </u>		5	1.6E-2	5.0E0	1.0E0	2.4E

High Clustering Stringency

Current Gene List: List_1 Current Background: Homo sapiens

1288 DAVID IDs

Classification Stringency High ▼ **■** Options

Rerun using options | Create Sublist

98 Cluster(s)

■ Download File

Annotation Cluster 1	Enrichment Score: 5.57	G		17	Count	P_Value	Fold Change	Benjamin	ni FDR
KEGG_PATHWAY	<u>Ribosome</u>	<u>RT</u>	=		28	5.6E-8	3.3E0	1.5E-5	7.3E- 5
UP_KEYWORDS	Ribosomal protein	<u>RT</u>	Ē		30	6.7E-7	2.8E0	1.0E-4	9.6E- 4
GOTERM_CC_DIRECT	<u>ribosome</u>	RT			27	4.9E-6	2.7E0	2.8E-3	7.2E- 3
GOTERM_BP_DIRECT	translation	RT			34	2.5E-5	2.2E0	2.8E-2	4.6E- 2
GOTERM_MF_DIRECT	structural constituent of ribosome	RT	=		31	3.0E-5	2.3E0	3.5E-2	4.9E- 2
Annotation Cluster 2	Enrichment Score: 4.66	G			Count	P_Value	Fold Change	Benjamin	ii FDR
GOTERM_BP_DIRECT	translational initiation	<u>RT</u>	ŧ.		26	6.2E-7	3.1E0	2.1E-3	1.1E- 3
GOTERM_BP_DIRECT	SRP-dependent cotranslational protein targeting to membrane	<u>RT</u>	ŧ.		20	2.8E-6	3.5E0	4.8E-3	5.1E- 3
GOTERM_BP_DIRECT	nuclear-transcribed mRNA catabolic process, nonsense-mediated decay	<u>RT</u>	Ē.		21	2.8E-5	2.9E0	2.4E-2	5.2E- 2
GOTERM_BP_DIRECT	viral transcription	RT	ŧ.		20	3.9E-5	3.0E0	2.6E-2	7.1E- 2
GOTERM_BP_DIRECT	rRNA processing	<u>RT</u>	Ē.		25	2.6E-3		6.7E-1	4.6E0
Annotation Cluster 3	Enrichment Score: 1.75	G		17	Count	P_Value	Fold Change	Benjamin	ii FDR
INTERPRO	Ribosomal protein L24/L26, conserved site	<u>RT</u>	i,		3	1.0E-2	1.7E1	1.0E0	1.6E1
INTERPRO	KOW	<u>RT</u>	i.		4	1.3E-2	7.5E0	1.0E0	2.0E1
SMART	<u>KOW</u>	<u>RT</u>	i		3	4.3E-2	8.6E0	1.0E0	4.5E1
Annotation Cluster 4	Enrichment Score: 1.63	G			Count	P_Value	Fold Change	Benjamin	ii FDR
UP_SEQ_FEATURE	domain:SOCS box	<u>RT</u>	Ť		7	2.1E-2	3.2E0	1.0E0	3.2E1