## **Functional Annotation Chart**

Current Gene List: condition\_specific\_gene\_list **Current Background: Homo sapiens** 2052 DAVID IDs

 ${\sf GOTERM\_CC\_FAT} \ \ \underline{\sf endoplasmic} \ \ \underline{\sf reticulum} \ \underline{\sf part}$ 

GOTERM\_CC\_FAT <u>late endosome</u>

## **Options**

Rerun Using Options | Create Sublist

348 chart records **Material Problems Download File** Sublist Category RT Genes Count % P-Value Benjamini Term GOTERM\_CC\_FAT cytosol 48.7 5.9F-83 7.1F-80 999 RT = GOTERM\_CC\_FAT <u>nucleoplasm</u> 816 39.8 1.9E-75 1.2E-72 RT = 82 4.0 5.4E-48 2.2E-45 GOTERM\_CC\_FAT cytosolic ribosome RT 🚃 GOTERM\_CC\_FAT extracellular exosome 443 21.6 6.5E-40 2.0E-37 RT \_\_\_ GOTERM\_CC\_FAT <u>ribosomal subunit</u> RT 🚃 93 4.5 4.4E-37 1.1E-34 GOTERM\_CC\_FAT ribosome 111 5.4 1.1E-35 2.2E-33 RT 🚃 GOTERM\_CC\_FAT cytosolic large ribosomal subunit RT 🚃 49 2.4 1.8E-35 3.1E-33 GOTERM\_CC\_FAT extracellular vesicle 443 21.6 3.9E-35 5.8E-33 RT = GOTERM\_CC\_FAT extracellular organelle 443 21.6 4.3E-35 5.8E-33 RT 🚃 110 5.4 5.7E-34 6.9E-32 GOTERM\_CC\_FAT cytosolic part RT = GOTERM\_CC\_FAT <u>nucleoplasm part</u> 283 13.8 2.0E-32 2.2E-30 RT \_\_\_\_ 208 10.1 1.1E-27 1.1E-25 GOTERM\_CC\_FAT <u>nuclear body</u> RT \_\_\_\_ 287 14.0 9.3E-25 8.7E-23 GOTERM\_CC\_FAT <u>ribonucleoprotein complex</u> RT \_\_\_\_ GOTERM\_CC\_FAT <u>nuclear speck</u> RT 🚃 124 6.0 1.1E-24 9.2E-23 GOTERM\_CC\_FAT large ribosomal subunit RT 🚃 58 2.8 6.2E-24 5.0E-22 GOTERM\_CC\_FAT focal adhesion 122 5.9 9.8E-24 7.4E-22 RT 🚃 122 5.9 2.3E-23 1.7E-21 GOTERM\_CC\_FAT cell-substrate adherens junction RT 🚃 GOTERM\_CC\_FAT cell-substrate junction RT 🚃 123 6.0 2.6E-23 1.7E-21 268 13.1 6.5E-23 4.1E-21 GOTERM\_CC\_FAT intracellular ribonucleoprotein complex RT GOTERM\_CC\_FAT polysome 42 2.0 2.1E-22 1.3E-20 RT 🔤 GOTERM\_CC\_FAT polysomal ribosome 26 1.3 3.3E-19 1.9E-17 RT 🖥 GOTERM\_CC\_FAT cytoplasmic vesicle part RT 297 14.5 9.8F-19 5.4F-17 30 1.5 3.0E-17 1.6E-15 GOTERM\_CC\_FAT cytosolic small ribosomal subunit RT 🖥 GOTERM\_CC\_FAT vacuole RT \_\_\_ 178 8.7 5.1E-16 2.5E-14 GOTERM\_CC\_FAT <a href="https://lytic.vacuole">lytic vacuole</a> RT \_\_\_ 163 7.9 5.7E-16 2.6E-14 163 7.9 5.7E-16 2.6E-14 GOTERM\_CC\_FAT <u>lysosome</u> RT \_\_\_ 129 6.3 3.8E-15 1.7E-13 GOTERM\_CC\_FAT adherens junction RT 🚃 GOTERM\_CC\_FAT vacuolar part RT \_\_\_ 142 6.9 6.6E-15 2.8E-13 GOTERM CC FAT small ribosomal subunit 37 1.8 1.9E-14 7.8E-13 RT 🖥 GOTERM\_CC\_FAT envelope 236 11.5 4.6E-14 1.8E-12 RT \_\_\_\_ GOTERM\_CC\_FAT organelle envelope 236 11.5 4.6E-14 1.8E-12 RT \_\_\_\_ 135 6.6 8.9E-14 3.4E-12 GOTERM\_CC\_FAT anchoring junction RT \_\_\_ 46 2.2 1.3E-13 4.5E-12 GOTERM\_CC\_FAT <u>ficolin-1-rich granule lumen</u> RT 📰 GOTERM\_CC\_FAT <u>ficolin-1-rich granule</u> RT 🔤 46 2.2 1.3E-13 4.5E-12 GOTERM\_CC\_FAT melanosome RT 🚃 43 2.1 1.6E-13 5.5E-12 GOTERM\_CC\_FAT pigment granule 43 2.1 1.6E-13 5.5E-12 RT 📰 GOTERM\_CC\_FAT vacuolar membrane 113 5.5 2.0E-13 6.4E-12 RT 🚃 GOTERM\_CC\_FAT <u>nuclear envelope</u> RT 🚃 111 5.4 3.6E-12 1.2E-10 GOTERM\_CC\_FAT coated vesicle RT 🚃 80 3.9 4.4E-12 1.4E-10 GOTERM\_CC\_FAT endoplasmic reticulum RT \_\_\_\_ 328 16.0 6.8E-12 2.1E-10 GOTERM\_CC\_FAT <u>lysosomal membrane</u> 101 4.9 1.4E-11 4.0E-10 RT 🚃 GOTERM\_CC\_FAT <u>lytic vacuole membrane</u> RT 🚃 101 4.9 1.4E-11 4.0E-10 58 2.8 2.2E-11 6.3E-10 GOTERM\_CC\_FAT coated vesicle membrane RT 🚃 GOTERM\_CC\_FAT secretory granule 167 8.1 2.4E-11 6.7E-10 RT \_\_\_\_ 59 2.9 3.0E-11 8.1E-10 GOTERM\_CC\_FAT <u>spliceosomal complex</u> RT 🚃 GOTERM\_CC\_FAT endosomal part RT \_ 128 6.2 4.2E-11 1.1E-9 24 1.2 5.0E-11 1.3E-9 GOTERM\_CC\_FAT immunological synapse RT 🖥 191 9.3 5.1E-11 1.3E-9 GOTERM\_CC\_FAT endosome RT \_\_\_ GOTERM\_CC\_FAT endosome membrane RT 🚃 119 5.8 5.2E-11 1.3E-9 GOTERM\_CC\_FAT secretory vesicle RT \_\_\_\_ 189 9.2 1.3E-10 3.1E-9 GOTERM\_CC\_FAT cytoplasmic vesicle membrane 149 7.3 9.2E-10 2.2E-8 RT 🚃 151 7.4 1.1E-9 2.4E-8 GOTERM\_CC\_FAT vesicle membrane RT \_\_\_ GOTERM\_CC\_FAT secretory granule lumen RT 🚃 74 3.6 1.5E-9 3.4E-8 173 8.4 1.7E-9 3.8E-8 GOTERM\_CC\_FAT <u>cell junction</u> RT \_\_\_ RT 🚃 GOTERM\_CC\_FAT cytoplasmic vesicle lumen 77 3.8 1.8E-9 3.9E-8 GOTERM\_CC\_FAT vesicle lumen RT 🚃 3.8 2.0E-9 4.4E-8 GOTERM\_CC\_FAT chaperone complex RT 🖥 21 1.0 2.7E-9 5.8E-8 GOTERM\_CC\_FAT <u>nuclear outer membrane-endoplasmic reticulum membrane network</u> RT \_\_\_\_ 205 10.0 2.9E-9 6.1E-8 GOTERM\_CC\_FAT midbody RT \overline{ 53 2.6 9.6E-9 2.0E-7 GOTERM\_CC\_FAT small-subunit processome 28 1.4 9.7E-9 2.0E-7 RT 🖥 GOTERM\_CC\_FAT eukaryotic translation initiation factor 3 complex RT 13 0.6 1.1E-8 2.1E-7 199 9.7 1.2E-8 2.4E-7 GOTERM\_CC\_FAT endoplasmic reticulum membrane RT \_\_\_\_ GOTERM\_CC\_FAT perinuclear region of cytoplasm 136 6.6 1.3E-8 2.5E-7 RT 🚃 25 1.2 2.5E-8 4.8E-7 GOTERM\_CC\_FAT <u>ER to Golgi transport vesicle membrane</u> RT GOTERM\_CC\_FAT ER to Golgi transport vesicle RT 🚪 31 1.5 3.7E-8 6.8E-7 GOTERM\_CC\_FAT ribonucleoprotein granule RT 🚃 63 3.1 3.9E-8 7.2E-7 41 2.0 6.4E-8 1.2E-6 GOTERM\_CC\_FAT phagocytic vesicle RT 🖥 GOTERM\_CC\_FAT <u>lumenal side of endoplasmic reticulum membrane</u> RT 16 0.8 6.6E-8 1.2E-6 GOTERM\_CC\_FAT azurophil granule  $\bigcap$ RT 42 2.0 6.8E-8 1.2E-6 GOTERM\_CC\_FAT primary lysosome 42 2.0 6.8E-8 1.2E-6 RT 🔤 GOTERM\_CC\_FAT mitochondrion RT \_\_\_\_ 262 12.8 8.1E-8 1.4E-6 GOTERM\_CC\_FAT U2-type spliceosomal complex 31 1.5 8.1E-8 1.4E-6 RT 52 2.5 8.3E-8 1.4E-6 GOTERM\_CC\_FAT cytoplasmic side of membrane RT \overline{ 83 4.0 8.4E-8 1.4E-6 GOTERM\_CC\_FAT chromosomal region RT 🚃 59 2.9 1.2E-7 2.0E-6 GOTERM\_CC\_FAT cytoplasmic ribonucleoprotein granule RT 🚃 GOTERM\_CC\_FAT <u>autophagosome membrane</u> 22 1.1 1.3E-7 2.1E-6 RT

Help and Manual

231 11.3 1.5E-7 2.4E-6

68 3.3 1.9E-7 2.9E-6

RT \_\_\_\_

RT 🔤

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Category	Term	RT Genes	Count		1	Benjamini
	secretory granule membrane	RT	68		2.9E-7	
GOTERM_CC_FAT		RT =	89 85		3.5E-7 3.7E-7	
GOTERM_CC_FAT	catalytic step 2 spliceosome	RT 📰 RT 🖥	29		4.1E-7	
GOTERM_CC_FAT		RT	226		7.0E-7	
	eukaryotic 43S preinitiation complex	RT	12		8.8E-7	
	phagocytic vesicle membrane	RT	27		1.2E-6	
	RNA polymerase II transcription factor complex	RT	53		1.2E-6	
	translation preinitiation complex	RT	12		1.8E-6	
GOTERM_CC_FAT		RT =	131	6.4	2.3E-6	3.2E-5
	rough endoplasmic reticulum	RT	21	1.0	2.4E-6	3.2E-5
GOTERM_CC_FAT		RT	31	1.5	2.5E-6	
GOTERM_CC_FAT	· · · · · · · · · · · · · · · · · · ·	RT	40	1.9	2.6E-6	
GOTERM_CC_FAT	peptidase complex	RT	32	1.6	2.6E-6	3.5E-5
	microtubule cytoskeleton	RT ===	214	10.4	2.7E-6	3.6E-5
GOTERM_CC_FAT	recycling endosome membrane	RT	31	1.5	3.7E-6	4.7E-5
GOTERM_CC_FAT	nuclear transcription factor complex	RT =	55	2.7	3.8E-6	4.9E-5
GOTERM_CC_FAT	late endosome membrane	RT	42	2.0	3.9E-6	5.0E-5
GOTERM_CC_FAT	clathrin-coated vesicle	RT 🖥	49	2.4	4.4E-6	5.5E-5
GOTERM_CC_FAT	autophagosome	RT	32	1.6	4.7E-6	5.7E-5
GOTERM_CC_FAT	eukaryotic 48S preinitiation complex	RT	11	0.5	4.7E-6	5.7E-5
GOTERM_CC_FAT	protein serine/threonine phosphatase complex	RT	19	0.9	7.3E-6	8.8E-5
GOTERM_CC_FAT	mitochondrial part	RT ===	177	8.6	9.2E-6	1.1E-4
GOTERM_CC_FAT	MHC protein complex	RT	14	0.7	9.8E-6	1.2E-4
GOTERM_CC_FAT	cytoplasmic side of plasma membrane	RT 🖥	40	1.9	1.2E-5	1.4E-4
GOTERM_CC_FAT	transcription factor complex	RT 🔤	79	3.8	1.3E-5	1.5E-4
GOTERM_CC_FAT	phosphatase complex	RT 🖥	19	0.9	1.3E-5	1.5E-4
GOTERM_CC_FAT	microtubule organizing center	RT ===	140	6.8	1.3E-5	1.5E-4
GOTERM_CC_FAT	<u>clathrin-coated vesicle membrane</u>	RT	34	1.7	1.3E-5	1.5E-4
GOTERM_CC_FAT	<u>nuclear membrane</u>	RT 🔳	62		1.5E-5	
GOTERM_CC_FAT	extracellular region part	RT	498	24.3	2.0E-5	2.2E-4
GOTERM_CC_FAT	<u>ubiquitin ligase complex</u>	RT 🔳	61		2.5E-5	
GOTERM_CC_FAT	<u>chromosome</u>	RT	271		2.9E-5	
	endocytic vesicle membrane	RT	44		3.4E-5	
	endoplasmic reticulum-Golgi intermediate compartment	RT 🖥	33	1.6	3.5E-5	3.7E-4
GOTERM_CC_FAT	<u>endocytic vesicle</u>	RT \overline	66	3.2	3.5E-5	3.7E-4
GOTERM_CC_FAT	<u>azurophil granule membrane</u>	RT 🖥	19	0.9	3.8E-5	4.0E-4
GOTERM_CC_FAT	PML body	RT 🖥	28	1.4	4.3E-5	4.4E-4
GOTERM_CC_FAT	MHC class II protein complex	RT	12	0.6	4.3E-5	4.4E-4
GOTERM_CC_FAT	rough endoplasmic reticulum membrane	RT	12	0.6	4.3E-5	4.4E-4
GOTERM_CC_FAT	<u>Golgi apparatus</u>	RT	235	11.5	4.5E-5	4.5E-4
GOTERM_CC_FAT	mitochondrial protein complex	RT =	41	2.0	4.7E-5	4.7E-4
GOTERM_CC_FAT	mitochondrial envelope	RT =	132	6.4	4.7E-5	4.7E-4
GOTERM_CC_FAT	nuclear pore	RT 📱	27	1.3		5.9E-4
GOTERM_CC_FAT	<u>Golgi membrane</u>	RT =	121	5.9	6.7E-5	6.6E-4
GOTERM_CC_FAT	proteasome complex	RT 🖥	20	1.0	7.2E-5	
GOTERM_CC_FAT	chromosome, centromeric region	RT =	51	2.5	7.3E-5	7.0E-4
GOTERM_CC_FAT	cytoplasmic stress granule	RT 📱	25	1.2	9.7E-5	9.3E-4
GOTERM_CC_FAT	side of membrane	RT 🚃	118	5.8	1.0E-4	
GOTERM_CC_FAT	<del></del>	RT	35	1.7	1.3E-4	
GOTERM_CC_FAT		RT	12	0.6	1.4E-4	
GOTERM_CC_FAT		<u>RT</u>	13		1.6E-4	
	respiratory chain complex	RT	24	1.2	1.9E-4	
	<u>U2-type catalytic step 2 spliceosome</u>	<u>RT</u>	12	0.6	2.0E-4	
	chromosome, telomeric region	RT	36	1.8		2.2E-3
	transport vesicle membrane	RT =	46	2.2	2.7E-4	
	transferase complex, transferring phosphorus-containing groups	RT =	61	3.0	2.7E-4	
	eukaryotic translation initiation factor 3 complex, eIF3m	RT	6	0.3	2.7E-4	
	mitochondrial respiratory chain	RT  RT	24 150	7.3	3.1E-4 3.6E-4	
	Golgi apparatus part	RT	30		3.7E-4	
	oxidoreductase complex		33		3.9E-4	
GOTERM_CC_FAT	inner mitochondrial membrane protein complex respiratory chain	RT  RT	33 25		4.1E-4	
GOTERM_CC_FAT	<del></del>	RT	25		4.1E-4 4.2E-4	
	mitochondrial membrane	RT 🚃	120	5.8	4.2E-4 4.3E-4	
GOTERM_CC_FAT		RT	36	1.8	4.3E-4 4.3E-4	
	endopeptidase complex	RT	21	1.0	4.4E-4	
	chromosomal part	RT	240		4.8E-4	
GOTERM_CC_FAT		RT	8		5.5E-4	
GOTERM_CC_FAT	<del></del>	RT	19	0.9	6.1E-4	
	transcription factor AP-1 complex	RT	5		6.6E-4	
	nuclear periphery	RT	32	1.6	6.7E-4	
	F-actin capping protein complex	RT	6		6.7E-4	
	azurophil granule lumen	RT	22		7.1E-4	
	specific granule membrane	RT	22		7.1E-4	
GOTERM_CC_FAT		RT	36	1.8	7.4E-4	5.8E-3
	organelle subcompartment	RT =	69	3.4	7.8E-4	6.1E-3
GOTERM_CC_FAT	serine/threonine protein kinase complex	RT	26		7.9E-4	
GOTERM_CC_FAT	mitotic spindle	RT	37	1.8	8.2E-4	6.3E-3
GOTERM_CC_FAT	CCR4-NOT complex	RT	8	0.4	8.8E-4	6.8E-3
GOTERM_CC_FAT	membrane coat	RT 🖥	23	1.1	1.1E-3	8.0E-3
GOTERM_CC_FAT	coated membrane	RT 🖥	23	1.1	1.1E-3	8.0E-3
GOTERM_CC_FAT	clathrin-coated endocytic vesicle	RT 🖥	22	1.1	1.1E-3	8.3E-3
GOTERM_CC_FAT	retromer complex	RT	9	0.4	1.1E-3	8.4E-3
GOTERM_CC_FAT		RT	17	0.8	1.2E-3	8.8E-3
GOTERM_CC_FAT	clathrin-coated endocytic vesicle membrane	RT 🖥	19	0.9	1.2E-3	8.8E-3
GOTERM_CC_FAT	recycling endosome	RT 🖥	40	1.9	1.2E-3	8.8E-3
GOTERM_CC_FAT	<u>nuclear chromosome</u>	RT =	46	2.2	1.2E-3	8.9E-3
	<u>precatalytic spliceosome</u>	RT	15		1.3E-3	
	MHC class I protein complex	RT	6		1.4E-3	
	endoplasmic reticulum-Golgi intermediate compartment membrane	RT	20		1.4E-3	
	multivesicular body	RT	18		1.4E-3	
	cytoplasmic region	RT =	64		1.5E-3	
	small nuclear ribonucleoprotein complex	RT	23		1.6E-3	
GUIERM_CC_FAT	mitochondrial membrane part	RT	38	1.9	1.6E-3	1.1E-2

GOTERM_CC_FAT GOTERM_CC_FAT GOTERM_CC_FAT GOTERM_CC_FAT	protein acetyltransferase complex	RT Genes  RT R	16 5 14 14	0.8 0.2 0.7	1.7E-3 1.8E-3 1.9E-3	1.2E-2
GOTERM_CC_FAT GOTERM_CC_FAT GOTERM_CC_FAT GOTERM_CC_FAT GOTERM_CC_FAT	CRD-mediated mRNA stability complex mitochondrial nucleoid nucleoid protein acetyltransferase complex	RT II RT III	14	0.2	1.8E-3 1.9E-3	1.2E-2
GOTERM_CC_FAT GOTERM_CC_FAT GOTERM_CC_FAT GOTERM_CC_FAT	nucleoid protein acetyltransferase complex	RT 🖥				1.3E-2
GOTERM_CC_FAT GOTERM_CC_FAT GOTERM_CC_FAT	protein acetyltransferase complex		14			
GOTERM_CC_FAT GOTERM_CC_FAT				0.7	1.9E-3	1.3E-2
GOTERM_CC_FAT		RT	22		1.9E-3	
	tertiary granule membrane	RT	18	0.9	2.0E-3	
GOTEKN_CC_FAT	ficolin-1-rich granule membrane	RT  RT	16 87	0.8	2.0E-3 2.1E-3	
GOTERM_CC_FAT		RT	33		2.1E-3	
GOTERM_CC_FAT		RT =	199	9.7	2.2E-3	
GOTERM_CC_FAT	acetyltransferase complex	RT	22	1.1	2.2E-3	1.4E-2
GOTERM_CC_FAT	oligosaccharyltransferase complex	RT	7	0.3	2.4E-3	1.5E-2
GOTERM_CC_FAT	amphisome membrane	RT	7	0.3	2.4E-3	1.5E-2
GOTERM_CC_FAT	<u>histone acetyltransferase complex</u>	RT	20	1.0	2.5E-3	1.6E-2
	<u>protein kinase complex</u>	<u>RT</u>	28	1.4	2.8E-3	
GOTERM_CC_FAT		RT	20	1.0	2.8E-3	
GOTERM_CC_FAT		RT RT	26 14	1.3 0.7	3.3E-3 3.4E-3	
	transcription elongation factor complex nuclear inner membrane	RT	15	0.7	3.4E-3	
GOTERM_CC_FAT		RT	37	1.8	3.8E-3	
GOTERM_CC_FAT	proton-transporting V-type ATPase complex	RT	10	0.5	3.8E-3	
GOTERM_CC_FAT	PTW/PP1 phosphatase complex	RT	5	0.2	3.8E-3	2.4E-2
GOTERM_CC_FAT	axon cytoplasm	RT	16	0.8	3.9E-3	2.4E-2
GOTERM_CC_FAT	<u>spliceosomal snRNP complex</u>	RT	21	1.0	3.9E-3	2.4E-2
	proteasome accessory complex	RT	9	0.4	4.0E-3	
GOTERM_CC_FAT		RT	29	1.4	4.1E-3	
GOTERM CC FAT	ESCRT III complex	RT . RT .	6 6		4.1E-3 4.1E-3	
	cell projection cytoplasm	RT	20	1.0	4.2E-3	
	multivesicular body membrane	RT	10	0.5	4.8E-3	
GOTERM_CC_FAT		RT	68	3.3	4.8E-3	
	cytolytic granule membrane	RT I	4	0.2		
GOTERM_CC_FAT	ASAP complex	RT	4	0.2	4.8E-3	2.8E-2
	mitochondrial matrix	RT =	76	3.7	4.9E-3	2.9E-2
GOTERM_CC_FAT		RT			5.6E-3	
	membrane region	RT =	60	2.9	6.2E-3	
	<u>U2-type precatalytic spliceosome</u> vacuolar proton-transporting V-type ATPase complex	RT	13 9	0.6	6.7E-3	
GOTERM_CC_FAT		RT RT	32	0.4 1.6	6.8E-3 6.8E-3	
	nuclear chromatin	RT	16		7.0E-3	
	ubiquitin conjugating enzyme complex	RT	5		7.0E-3	
GOTERM_CC_FAT	proteasome regulatory particle	RT	8	0.4	7.3E-3	4.1E-2
GOTERM_CC_FAT	Golgi subcompartment	RT 🚃	60	2.9	7.4E-3	4.1E-2
GOTERM_CC_FAT	endoplasmic reticulum subcompartment	RT	10	0.5	7.6E-3	4.2E-2
GOTERM_CC_FAT	Golgi-associated vesicle	RT	20	1.0	8.5E-3	
	endoplasmic reticulum tubular network	RT	9	0.4	8.6E-3	
	NADH dehydrogenase complex	RT	13		9.3E-3	
	mitochondrial respiratory chain complex I respiratory chain complex I	RT	13 13	0.6	9.3E-3 9.3E-3	
	kinetochore microtubule	RT	8	0.4	9.5E-3	
	nuclear chromosome, telomeric region	RT	6	0.3	9.6E-3	
	nuclear telomere cap complex	RT	6	0.3	9.6E-3	
GOTERM_CC_FAT	alpha-beta T cell receptor complex	RT	6	0.3	9.6E-3	5.1E-2
GOTERM_CC_FAT	telomere cap complex	RT	6	0.3	9.6E-3	5.1E-2
	secondary lysosome	RT	7	0.3	1.0E-2	
	trans-Golgi network	RT =	43	2.1	1.0E-2	
	DNA-directed RNA polymerase II, holoenzyme	RT	25		1.1E-2	
	cortical cytoskeleton NF-kappaB complex	RT RT	21 4		1.1E-2 1.1E-2	
	cytoplasmic side of rough endoplasmic reticulum membrane	RT	4		1.1E-2	
	ISWI-type complex	RT	6		1.4E-2	
GOTERM_CC_FAT	Cul4A-RING E3 ubiquitin ligase complex	RT	6	0.3	1.4E-2	7.0E-2
GOTERM_CC_FAT	organelle envelope lumen	RT 🖥	19	0.9	1.4E-2	7.4E-2
	early endosome membrane	RT			1.5E-2	
	COPI-coated vesicle	RT	8		1.5E-2	
	PCG protein complex COP9 signalosome	RT	12		1.5E-2 1.6E-2	
	COP9 signalosome tertiary granule lumen	RT	10 13		1.6E-2 1.7E-2	
	MHC class I peptide loading complex	RT	5		1.8E-2	
	core mediator complex	RT	8		1.9E-2	
GOTERM_CC_FAT	outer membrane	RT	41	2.0	1.9E-2	9.6E-2
GOTERM_CC_FAT		RT	9	0.4	2.0E-2	
	signal peptidase complex	RT	4		2.0E-2	
	protein phosphatase 4 complex	RT	4		2.0E-2	
	methyltransferase complex mitochondrial intermembrane space	RT	20 17	1.0	2.1E-2	
	mitochondrial intermembrane space pre-autophagosomal structure	RT	10	0.8	2.1E-2 2.3E-2	
	membrane microdomain	RT	46		2.3E-2	
GOTERM_CC_FAT		RT	62		2.3E-2	
GOTERM_CC_FAT	histone deacetylase complex	RT 🖥	15	0.7	2.3E-2	1.1E-1
	endoplasmic reticulum quality control compartment	<u>RT</u>	6		2.5E-2	
	nuclear chromosome part	RT	32		2.5E-2	
	chaperonin-containing T-complex	RT			2.5E-2	
GOTERM_CC_FAT GOTERM_CC_FAT	endoplasmic reticulum chaperone complex	RT I	5 5		2.5E-2 2.5E-2	
GOTERM_CC_FAT		<u>RT</u> [	5		2.5E-2 2.5E-2	
	GTPase activator complex	RT	5		2.5E-2	
	histone methyltransferase complex	RT	15		2.6E-2	
GOTERM_CC_FAT	endosome lumen	RT	10	0.5	2.7E-2	1.2E-1
GOTERM_CC_FAT	<u>trans-Golgi network transport vesicle</u>	RT 🖥	10	0.5	2.7E-2	1.2E-1
	organelle outer membrane	RT =	40		2.7E-2	
	Sin3-type complex	RT	7		2.8E-2	
	endoribonuclease complex nuclear transcriptional repressor complex	RT RT	9 11		2.8E-2 2.9E-2	
GOTERM_CC_FAT		RT	28		2.9E-2 2.9E-2	
 		<b>-</b>				· =

Sublist	Category	Term	RT Genes	Count	%	P-Value	Benjamin
		trans-Golgi network membrane	RT	20	1	3.0E-2	1
	GOTERM_CC_FAT	nuclear cyclin-dependent protein kinase holoenzyme complex	RT	6	0.3	3.2E-2	1.4E-1
	GOTERM_CC_FAT	mitochondrial inner membrane	RT 🔳	72	3.5	3.2E-2	1.4E-1
	GOTERM_CC_FAT	membrane raft	RT	45	2.2	3.2E-2	1.4E-1
	GOTERM_CC_FAT	integral component of endoplasmic reticulum membrane	RT	9	0.4	3.3E-2	1.4E-1
	GOTERM_CC_FAT	intrinsic component of endoplasmic reticulum membrane	RT	9	0.4	3.3E-2	1.4E-1
	GOTERM_CC_FAT	aggresome	RT	9	0.4	3.3E-2	1.4E-1
		pre-snoRNP complex	RT	4		3.3E-2	
		shelterin complex	RT	4		3.3E-2	
		mitochondrial permeability transition pore complex	RT	4		3.3E-2	
	GOTERM_CC_FAT		RT	3		3.3E-2	
	GOTERM_CC_FAT		RT	46		3.4E-2	
		nuclear inclusion body	RT I	5		3.5E-2	
		proton-transporting V-type ATPase, V0 domain	RT	5		3.5E-2	
	GOTERM_CC_FAT		RT	13	0.6	3.5E-2	
		centriolar satellite	RT	22	1.1	3.6E-2	
		SWI/SNF superfamily-type complex	RT	17	0.8	3.8E-2	
		nuclear DNA-directed RNA polymerase complex	RT	26	1.3	3.8E-2	
		cytoplasmic side of endoplasmic reticulum membrane	RT I	6	0.3	4.0E-2	
		COPI-coated vesicle membrane	RT	6	0.3	4.0E-2	
		spindle microtubule	RT	16	0.8	4.3E-2	
		transcriptional repressor complex	RT	19	0.9	4.3E-2	
		<u>proton-transporting two-sector ATPase complex</u>	RT	12	0.6	4.3E-2	
	GOTERM_CC_FAT	site of double-strand break	RT	17	0.8	4.5E-2	1.9E-1
		<u>DNA replication factor A complex</u>	RT	5	0.2	4.6E-2	1.9E-1
	GOTERM_CC_FAT	<u>chromatin silencing complex</u>	<u>RT</u>	5	0.2	4.6E-2	1.9E-1
	GOTERM_CC_FAT	eukaryotic translation initiation factor 4F complex	RT	5	0.2	4.6E-2	1.9E-1
	GOTERM_CC_FAT	mitochondrial outer membrane	RT	35	1.7	4.6E-2	1.9E-1
	GOTERM_CC_FAT	pericentric heterochromatin	RT	8	0.4	4.7E-2	1.9E-1
	GOTERM_CC_FAT	proteasome regulatory particle, lid subcomplex	RT	4	0.2	4.8E-2	1.9E-1
	GOTERM_CC_FAT	postsynaptic recycling endosome	RT	4	0.2	4.8E-2	1.9E-1
	GOTERM_CC_FAT	zona pellucida receptor complex	RT	4	0.2	4.8E-2	1.9E-1
	GOTERM_CC_FAT	Lewy body	RT	4	0.2	4.8E-2	1.9E-1
	GOTERM_CC_FAT	cyclin/CDK positive transcription elongation factor complex	RT	4	0.2	4.8E-2	1.9E-1
	GOTERM_CC_FAT	Golgi-associated vesicle membrane	RT	12	0.6	4.9E-2	1.9E-1
	GOTERM_CC_FAT	clathrin coat of coated pit	RT	6	0.3	5.0E-2	2.0E-1
	GOTERM_CC_FAT		RT	16	0.8	5.1E-2	2.0E-1
	GOTERM_CC_FAT	Cul4-RING E3 ubiquitin ligase complex	RT	9	0.4	5.1E-2	2.0E-1
	GOTERM CC FAT	endonuclease complex	RT	9	0.4	5.1E-2	2.0E-1
		DNA-directed RNA polymerase complex	RT	26	1.3	5.3E-2	
		H4 histone acetyltransferase complex	RT	10		5.3E-2	
		cortical actin cytoskeleton	RT	14		5.3E-2	
		smooth endoplasmic reticulum	RT	8		5.5E-2	
		endoplasmic reticulum exit site	RT	8		5.5E-2	
		mediator complex	RT	9		5.8E-2	
		mitotic spindle pole	RT	9		5.8E-2	
			RT =	167		5.8E-2	
	GOTERM_CC_FAT		RT i	5		5.9E-2	
	GOTERM_CC_FAT	cytoplasmic side of lysosomal membrane	RT	5		5.9E-2	
			_			6.1E-2	
		cullin-RING ubiquitin ligase complex	RT	29			
	GOTERM_CC_FAT		RT I	3		6.2E-2	
		retromer, cargo-selective complex	RT I	3		6.2E-2	
		ATF4-CREB1 transcription factor complex	RT I	3		6.2E-2	
	GOTERM_CC_FAT	· · · · · · · · · · · · · · · · · · ·	RT	3		6.2E-2	
	GOTERM_CC_FAT	· · · · · · · · · · · · · · · · · · ·	<u>RT</u>	3		6.2E-2	
		eukaryotic translation elongation factor 1 complex	RT	3		6.2E-2	
		<u>I-kappaB/NF-kappaB complex</u>	<u>RT</u>	3		6.2E-2	
		retromer, tubulation complex	RT	3		6.2E-2	
		RNA polymerase complex	RT	26		6.3E-2	
		death-inducing signaling complex	RT	4		6.7E-2	
	GOTERM_CC_FAT		RT	6		7.2E-2	
	GOTERM_CC_FAT	exon-exon junction complex	RT	6		7.2E-2	
	GOTERM_CC_FAT	<u>cell trailing edge</u>	RT	5	0.2	7.4E-2	2.7E-1
	GOTERM_CC_FAT	mitochondrial respiratory chain complex III	RT	5	0.2	7.4E-2	2.7E-1
	GOTERM_CC_FAT	respiratory chain complex III	RT	5	0.2	7.4E-2	2.7E-1
	GOTERM_CC_FAT	<u>U2 snRNP</u>	RT	7	0.3	7.9E-2	2.9E-1
	GOTERM_CC_FAT	specific granule lumen	RT	12	0.6	8.0E-2	2.9E-1
	GOTERM_CC_FAT	clathrin vesicle coat	RT	8	0.4	8.2E-2	3.0E-1
	GOTERM_CC_FAT	perinuclear endoplasmic reticulum	RT	6	0.3	8.6E-2	3.1E-1
	GOTERM_CC_FAT	vacuolar proton-transporting V-type ATPase, V0 domain	RT	4	0.2	8.8E-2	3.1E-1
	GOTERM_CC_FAT	<u>Lst4-Lst7 complex</u>	RT	4	0.2	8.8E-2	3.1E-1
	GOTERM_CC_FAT	site of DNA damage	RT	20	1.0	8.9E-2	3.2E-1
	GOTERM_CC_FAT	COPII vesicle coat	RT	5	0.2	9.0E-2	3.2E-1
	GOTERM_CC_FAT	mRNA cleavage factor complex	RT	7	0.3	9.1E-2	3.2E-1
	GOTERM_CC_FAT	<u>proton-transporting two-sector ATPase complex, proton-transporting domain</u>	RT	7	0.3	9.1E-2	3.2E-1
	GOTERM_CC_FAT	<u>endolysosome</u>	RT	7	0.3	9.1E-2	3.2E-1
	GOTERM_CC_FAT	SNARE complex	RT	10		9.2E-2	
		cytochrome complex	RT	9		9.3E-2	
		DNA-dependent protein kinase complex	RT	3		9.6E-2	
	GOTERM_CC_FAT		RT	34		9.8E-2	
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153 gene(s) from your list are not in the output.