



## Functional Annotation Chart

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Current Gene List: List\_1

Current Background: Homo sapiens

417 DAVID IDs

Options

Rerun Using Options

Create Sublist

117 chart records

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Sublist	Category	Term	RT	Genes	Count	%	P-Value	Benjamini
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">phosphoprotein</a>	<a href="#">RT</a>		312	74.8	2.5E-54	9.7E-52
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">acetylation</a>	<a href="#">RT</a>		174	41.7	1.1E-45	2.1E-43
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ubiquitination</a>	<a href="#">RT</a>		77	18.5	2.0E-37	2.7E-35
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">host-virus interaction</a>	<a href="#">RT</a>		57	13.7	2.1E-37	2.0E-35
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nucleus</a>	<a href="#">RT</a>		211	50.6	2.3E-37	1.8E-35
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">cytoplasm</a>	<a href="#">RT</a>		164	39.3	8.0E-27	5.2E-25
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ATP-binding</a>	<a href="#">RT</a>		97	23.3	1.0E-26	5.8E-25
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">kinase</a>	<a href="#">RT</a>		68	16.3	1.3E-25	6.5E-24
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nucleotide-binding</a>	<a href="#">RT</a>		106	25.4	4.5E-24	1.9E-22
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">isopeptide bond</a>	<a href="#">RT</a>		42	10.1	2.7E-20	1.1E-18
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Proto-oncogene</a>	<a href="#">RT</a>		34	8.2	5.2E-18	1.9E-16
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">tyrosine-protein kinase</a>	<a href="#">RT</a>		24	5.8	1.6E-16	3.6E-15
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">transcription regulation</a>	<a href="#">RT</a>		102	24.5	4.0E-16	1.3E-14
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Transcription</a>	<a href="#">RT</a>		102	24.5	1.9E-15	5.3E-14
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">transferase</a>	<a href="#">RT</a>		79	18.9	5.2E-15	1.4E-13
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ATP</a>	<a href="#">RT</a>		30	7.2	4.0E-14	9.8E-13
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">serine/threonine-protein kinase</a>	<a href="#">RT</a>		35	8.4	2.9E-12	6.7E-11
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">disease mutation</a>	<a href="#">RT</a>		79	18.9	5.1E-12	1.1E-10
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">phosphotransferase</a>	<a href="#">RT</a>		25	6.0	1.2E-11	2.5E-10
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">SH2 domain</a>	<a href="#">RT</a>		19	4.6	2.8E-11	5.5E-10
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">zinc finger</a>	<a href="#">RT</a>		21	5.0	1.3E-10	2.3E-9
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ubiquitination pathway</a>	<a href="#">RT</a>		38	9.1	1.3E-10	2.3E-9
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Apoptosis</a>	<a href="#">RT</a>		32	7.7	2.8E-10	4.8E-9
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">chromatin regulator</a>	<a href="#">RT</a>		23	5.5	1.5E-9	2.4E-8
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">mRNA transport</a>	<a href="#">RT</a>		14	3.4	5.9E-9	9.3E-8
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">cell cycle</a>	<a href="#">RT</a>		32	7.7	2.7E-8	4.0E-7
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">steroid hormone receptor</a>	<a href="#">RT</a>		6	1.4	2.7E-8	3.9E-7
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">DNA binding</a>	<a href="#">RT</a>		27	6.5	2.9E-8	4.0E-7
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">sh3 domain</a>	<a href="#">RT</a>		21	5.0	3.3E-8	4.5E-7
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">activator</a>	<a href="#">RT</a>		34	8.2	3.7E-8	4.8E-7
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Spliceosome</a>	<a href="#">RT</a>		16	3.8	4.9E-8	6.2E-7
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">mRNA splicing</a>	<a href="#">RT</a>		20	4.8	1.5E-7	1.9E-6
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">cell cycle control</a>	<a href="#">RT</a>		9	2.2	2.3E-7	2.7E-6
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">serine/threonine-specific protein kinase</a>	<a href="#">RT</a>		11	2.6	5.8E-7	6.6E-6
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">duplication</a>	<a href="#">RT</a>		20	4.8	5.9E-7	6.6E-6
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">chromosomal rearrangement</a>	<a href="#">RT</a>		22	5.3	8.1E-7	8.8E-6
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">RNA-binding</a>	<a href="#">RT</a>		32	7.7	8.7E-7	9.2E-6
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">mRNA processing</a>	<a href="#">RT</a>		21	5.0	1.1E-6	1.1E-5
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">cell division</a>	<a href="#">RT</a>		21	5.0	1.3E-6	1.3E-5
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">repressor</a>	<a href="#">RT</a>		26	6.2	9.9E-6	9.7E-5
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">transcription factor</a>	<a href="#">RT</a>		10	2.4	1.0E-5	9.9E-5

<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">DNA damage</a>	RT 	17	4.1	1.1E-5	9.8E-5
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dna repair</a>	RT 	16	3.8	1.8E-5	1.7E-4
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">protein transport</a>	RT 	27	6.5	2.2E-5	2.0E-4
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dna-binding</a>	RT 	67	16.1	4.5E-5	3.9E-4
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">cytoskeleton</a>	RT 	31	7.4	5.9E-5	5.0E-4
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">tyrosine-specific protein kinase</a>	RT 	8	1.9	7.2E-5	6.0E-4
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">transforming protein</a>	RT 	7	1.7	7.9E-5	6.5E-4
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">translation regulation</a>	RT 	9	2.2	9.6E-5	7.6E-4
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Initiation factor</a>	RT 	8	1.9	1.2E-4	9.5E-4
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">helicase</a>	RT 	12	2.9	1.6E-4	1.2E-3
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nonsense-mediated mrna decay</a>	RT 	6	1.4	3.0E-4	2.3E-3
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ligase</a>	RT 	18	4.3	3.7E-4	2.7E-3
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">stress response</a>	RT 	8	1.9	5.5E-4	3.9E-3
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">receptor</a>	RT 	55	13.2	5.6E-4	3.9E-3
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">ADP-ribosylation</a>	RT 	6	1.4	6.7E-4	4.6E-3
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">signal transduction</a>	RT 	6	1.4	8.8E-4	6.0E-3
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">myristate</a>	RT 	10	2.4	1.1E-3	7.6E-3
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">wnt signaling pathway</a>	RT 	10	2.4	1.3E-3	8.9E-3
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">bromodomain</a>	RT 	6	1.4	1.5E-3	9.4E-3
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nuclear pore complex</a>	RT 	6	1.4	1.6E-3	1.0E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">s-nitrosylation</a>	RT 	4	1.0	2.4E-3	1.5E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">protein biosynthesis</a>	RT 	12	2.9	2.7E-3	1.7E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">RNA binding</a>	RT 	5	1.2	2.9E-3	1.8E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">steroid-binding</a>	RT 	4	1.0	3.8E-3	2.2E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">autophosphorylation</a>	RT 	6	1.4	4.0E-3	2.4E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">cyclin</a>	RT 	6	1.4	4.4E-3	2.5E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">telomere</a>	RT 	4	1.0	4.6E-3	2.6E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">zinc-finger</a>	RT 	54	12.9	5.4E-3	3.0E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">deafness</a>	RT 	8	1.9	6.0E-3	3.3E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Chaperone</a>	RT 	10	2.4	7.5E-3	4.1E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">zinc</a>	RT 	65	15.6	7.6E-3	4.0E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">myristylation</a>	RT 	5	1.2	9.8E-3	5.1E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">tumor suppressor</a>	RT 	9	2.2	1.0E-2	5.1E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">actin binding</a>	RT 	5	1.2	1.1E-2	5.4E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">homodimer</a>	RT 	7	1.7	1.3E-2	6.4E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">angiogenesis</a>	RT 	6	1.4	1.4E-2	6.9E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">lipid-binding</a>	RT 	7	1.7	1.4E-2	6.8E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">transcription initiation</a>	RT 	3	0.7	1.5E-2	7.3E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">endosome</a>	RT 	11	2.6	1.6E-2	7.5E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">mitosis</a>	RT 	10	2.4	1.8E-2	8.5E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">carcinogenesis</a>	RT 	3	0.7	1.9E-2	8.6E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">systemic lupus erythematosus</a>	RT 	4	1.0	2.0E-2	9.1E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">translocation</a>	RT 	6	1.4	2.2E-2	9.8E-2
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">calcium binding</a>	RT 	7	1.7	2.4E-2	1.1E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">heterodimer</a>	RT 	7	1.7	2.4E-2	1.1E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">innate immunity</a>	RT 	6	1.4	2.7E-2	1.2E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">metal-binding</a>	RT 	80	19.2	2.8E-2	1.2E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">neurodegeneration</a>	RT 	6	1.4	3.0E-2	1.2E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Fanconi anemia</a>	RT 	3	0.7	3.1E-2	1.3E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">molecular chaperone</a>	RT	3	0.7	3.1E-2	1.3E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">cysteine proteinase</a>	RT	3	0.7	3.6E-2	1.5E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">polymorphism</a>	RT	269	64.5	3.6E-2	1.5E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">chromosomal protein</a>	RT	8	1.9	3.8E-2	1.5E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">wd repeat</a>	RT	12	2.9	3.8E-2	1.5E-1

<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">EF hand</a>	<a href="#">RT</a>	5	1.2	4.1E-2	1.6E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">thyroid hormone receptor</a>	<a href="#">RT</a>	2	0.5	4.3E-2	1.6E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Antiviral defense</a>	<a href="#">RT</a>	5	1.2	4.5E-2	1.7E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">dna recombination</a>	<a href="#">RT</a>	4	1.0	4.5E-2	1.7E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">leukodystrophy</a>	<a href="#">RT</a>	3	0.7	4.6E-2	1.7E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">kinetochore</a>	<a href="#">RT</a>	5	1.2	4.7E-2	1.7E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">manganese</a>	<a href="#">RT</a>	8	1.9	4.8E-2	1.7E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">blocked amino end</a>	<a href="#">RT</a>	6	1.4	4.9E-2	1.8E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">alternative initiation</a>	<a href="#">RT</a>	5	1.2	5.0E-2	1.8E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">fusion protein</a>	<a href="#">RT</a>	3	0.7	6.3E-2	2.2E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Short QT syndrome</a>	<a href="#">RT</a>	2	0.5	6.3E-2	2.2E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">acetylated amino end</a>	<a href="#">RT</a>	6	1.4	6.6E-2	2.2E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">hydroxylation</a>	<a href="#">RT</a>	5	1.2	6.8E-2	2.3E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">alternative splicing</a>	<a href="#">RT</a>	178	42.7	7.0E-2	2.3E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">tandem repeat</a>	<a href="#">RT</a>	5	1.2	7.9E-2	2.6E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">methylation</a>	<a href="#">RT</a>	10	2.4	8.1E-2	2.6E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">glycogen metabolism</a>	<a href="#">RT</a>	3	0.7	8.1E-2	2.6E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">nucleotide binding</a>	<a href="#">RT</a>	6	1.4	8.3E-2	2.6E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">mrna capping</a>	<a href="#">RT</a>	2	0.5	8.4E-2	2.6E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">Cardiomyopathy</a>	<a href="#">RT</a>	4	1.0	8.5E-2	2.6E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">cell junction</a>	<a href="#">RT</a>	14	3.4	9.4E-2	2.9E-1
<input type="checkbox"/>	SP_PIR_KEYWORDS	<a href="#">cell shape</a>	<a href="#">RT</a>	3	0.7	9.4E-2	2.9E-1

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