

## Neochildea fusca EST List

1/6/05

Category/EST Name	Homo Acc #	EST Acc#	e value	#clones
<b>Cell Defense</b>				
<b>Carrier Proteins</b>				
A kinase anchor protein protein 1	AAM98041	ANGT7539	6.00E-05	1
dnaK-type molecular chaperone	CAE57488	ANGT5047	1.00E-104	4
ferritin	AAN39099	ANGT8385	5.00E-60	19
possible hemoprotein	NP_769447	ANGT7831	5.00E-17	1
synaptobrevin-like protein	NP_910567	ANGT7580	1.00E-13	1
vacuolar protein sorting 28 isoform 1	XP_315357	ANGT7391	2.00E-50	1
<b>DNA Repair</b>				
DNA repair protein RAD23	EAK90648	ANGT8012	3.00E-27	1
<b>Immunology</b>				
diptericin	P10836	ANGT7952	2.00E-05	16
MX1 protein	A33481	ANGT5442	1.00E-06	2
<b>Stress Response</b>				
Adhesive plaque matrix protein precursor	Q25434	ANGT6220	1.00E-10	1
FK506-binding protein FKBP12	AAP43506	ANGT4779	1.00E-32	27
universal stress protein	AAP06486	ANGT8413	8.00E-21	10
<b>Cell-Cell Communication</b>				
<b>Adhesion</b>				
Collagen adhesion protein	CAE70459	ANGT5294	7.00E-11	60
dynactin 6; novel RGD-containing protein	NP_006562	ANGT6642	5.00E-41	2
FBXO23 protein	AAH10405	ANGT8289	2.00E-45	1
Lin7	XP_315884	ANGT4681	1.00E-59	1
tetraspanin D107	NP_955837	ANGT4929	1.00E-29	2
<b>Extracellular Matrix</b>				
bA421H8.2 (novel protein)	CAD13385	ANGT6429	3.00E-26	1
Delayed Anaerobic Gene; Dan4p	NP_012685	ANGT8300	2.00E-05	2
fucolectin-1	BAB03523	ANGT6586	2.00E-05	1
lectin-24Db	NP_652641	ANGT4720	4.00E-08	1
GXIVsPLA2	NP_648815	ANGT6604	2.00E-05	1
testican 3	BAC33951	ANGT7835	9.00E-14	1
<b>Hormones/Growth Factors/Activators</b>				
Adenosine deaminase-related growth factor A	NP_524130	ANGT6851	9.00E-30	2
putative NFkB activating protein	XP_315995	ANGT7729	5.00E-11	4
Retinoic acid receptor responder protein 3	Q9UL19	ANGT5119	7.00E-09	1
Sybindin-like family	AAF29139	ANGT6956	4.00E-38	2
<b>Other Membrane Proteins</b>				
Annexin B12	1DM5_A	ANGT4963	2.00E-35	3
CD53	XP_316915	ANGT7962	2.00E-17	6
CG3792	NP_608889	ANGT7087	6.00E-33	2
CG11009 (WW domain)	NP_648607	ANGT5045	4.00E-23	4
dystrobrevin, beta isoform 2	NP_149159	ANGT5870	6.00E-71	1
Galactosamine (N-acetyl)-6-sulfate sulfatase	AAF63155	ANGT5230	1.00E-104	4
hypothetical protein zgc:77759	NP_991213	ANGT7118	9.00E-05	1
innexin (UNC-9)	CAC69996	ANGT7244	2.00E-28	10
lipopolysaccharide-induced TNF factor	XP_319804	ANGT6539	2.00E-11	24
lunapark	XP_317483	ANGT5315	2.00E-17	1

Pathogenesis-related protein PRB1-3	Q05968	ANGT5743	2.00E-09	2
phospholipid scramblase 2	AAH55415	ANGT7790	7.00E-10	1
Plasmodium antigen r45-like protein	NP_702892	ANGT5139	6.00E-10	1
Predicted membrane protein	NP_927926	ANGT7643	8.00E-06	1
\protein, at least 3 transmembrane domain	NP_494842	ANGT6966	1.00E-06	1
putative gap junction protein pannexin	AAF75840	ANGT7158	4.00E-07	1
small integral membrane protein of lysosome	BAB32547	ANGT6506	9.00E-09	1
small membrane protein 1(SMP1)	AAH44368	ANGT6636	4.00E-36	6
sialidase 3	NP_776547	ANGT5597	1.00E-15	1
SH3-domain GRB2-like endophilin B2	NP_957413	ANGT8429	1.00E-27	1
Stubble	Q05319	ANGT5809	3.00E-13	1
unnamed protein product	BAB08765	ANGT5532	3.00E-05	2
<b>Receptors</b>				
CG1240	NP_647745	ANGT5097	5.00E-10	1
ebnerin	AAN16473	ANGT6480	1.00E-11	3
Ephrin type-A receptor 5 precursor	AAB60613	ANGT8417	1.00E-23	1
frizzled 1	NP_003496	ANGT6075	5.00E-13	2
frizzled 5	NP_776210	ANGT5000	4.00E-28	1
frizzled 7	AAD44331	ANGT5701	5.00E-18	1
nicotinic acetylcholine receptor alpha 8b	AAP58381	ANGT7137	2.00E-10	1
RIKEN cDNA 5033425B17	XP_392351	ANGT5248	1.00E-49	2
ryanodine receptor	XP_318561	ANGT6282	7.00E-57	1
growth hormone inducible transmembrane pro	NP_572681	ANGT5012	2.00E-15	7
transmembrane protein 7	BAD08652	ANGT4782	1.00E-09	2
vitellogenin receptor	BAC02725	ANGT7592	3.00E-07	9
<b>Cytoskeletal/Structural</b>				
<b>Intermediate Filaments</b>				
	none			
<b>Microfilaments</b>				
actin	AAC32224	ANGT8084	1.00E-158	7
actin A3	AAP34634	ANGT7092	1.00E-107	1
cofilin	NP_594741	ANGT7456	3.00E-17	2
coronin	AAH60754	ANGT8319	7.00E-42	2
four and a half LIM domains 3	NP_034343	ANGT7974	3.00E-18	1
gelsolin	CAC87029	ANGT7080	3.00E-85	2
putative actin depolymerizing factor	EAK85576	ANGT8238	3.00E-12	1
profilin	P18321	ANGT4760	1.00E-31	17
nonmuscle myosin essential light chain	AAB47548	ANGT5204	8.00E-13	1
suppressor of profilin/p41	AAH41267	ANGT8208	2.00E-68	7
<b>Microtubules</b>				
alpha-tubulin	AAP49551	ANGT7010	1.00E-156	8
alpha 2-tubulin	AAQ91280	ANGT7331	1.00E-116	1
beta-tubulin	BAA22381	ANGT8143	1.00E-156	3
beta-1 tubulin	NP_523795	ANGT7647	5.00E-87	1
beta-2 tubulin	AAR31769	ANGT6663	1.00E-121	2
beta-tubulin class IVb	AAN87335	ANGT4745	1.00E-160	1
Dynein 2 light intermediate chain, isoform 1	AAH55198	ANGT5593	2.00E-49	1
kinesin family member 9	NP_034758	ANGT6465	2.00E-91	1
roadblock	BAB85843	ANGT7334	1.00E-22	2
shippo	AAH46664	ANGT4921	4.00E-67	18

<b>Others</b>				
AIG1 family	NP_180250	ANGT6222	4.00E-05	1
calmodulin	BAB61794	ANGT5088	1.00E-77	52
DPCD	XP_421721	ANGT6350	3.00E-35	3
dystrobrevin	NP_997533	ANGT5890	4.00E-23	2
MEGF10 protein	BAC33471	ANGT6986	9.00E-30	11
probable calcium-binding protein TL17	S14665	ANGT8235	7.00E-25	2
Radial spokehead-like protein	AAH29519	ANGT7027	2.00E-55	1
similar to hypothetical protein FLJ22843	XP_416764	ANGT7054	2.00E-90	1
similar to Swiprosin 1	AAH73325	ANGT7748	2.00E-25	1
striated muscle UNC45	NP_775259	ANGT8081	3.00E-13	1
Syntaxin Interacting Protein 1	AAH61677	ANGT7584	7.00E-15	11
troponin C	AAD34262	ANGT4737	4.00E-21	13
<b>Thick/Thin Filaments</b>				
myosin alkali light chain 6, smf	MOCHG2	ANGT6352	1.00E-17	1
myosin light chain	AAP20203	ANGT7886	2.00E-43	2
myosin	BAA87057	ANGT7077	4.00E-09	1
tropomyosin	Q9NDS0	ANGT7714	8.00E-58	1
<b>DNA Replication/Modification</b>				
<b>Apoptosis</b>				
caspase-1	XP_316795	ANGT8011	3.00E-29	2
GRIM-19	Q9P0J0	ANGT4830	2.00E-11	1
kelch-like protein KLHL3b	AAH34035	ANGT7575	1.00E-38	1
nudix-type motif 2	NP_001152	ANGT6557	1.00E-21	1
Probable Bax inhibitor-1	Q9IA79	ANGT6065	4.00E-51	1
<b>Cell Cycle/Division</b>				
cell cycle regulator p21 protein	AAH44075	ANGT6998	4.00E-13	1
COMM domain containing 2	NP_057178	ANGT4653	5.00E-08	1
Las-1	CAF90581	ANGT6117	4.00E-16	1
putative arm repeat containing protein	NP_922622	ANGT5285	2.00E-10	1
similar to RIKEN cDNA 4833417L20	BAC35936	ANGT7022	1.00E-06	1
small glutamine-rich tetratricopeptide repeat	NP_061945	ANGT5434	2.00E-36	1
Ubiquitin ligase protein CHFR	NP_989378	ANGT5414	7.00E-11	2
<b>Chromosome/Nuclear Structure</b>				
ALU5	P39192	ANGT5128	5.00E-16	1
dosage compensation-related protein DPY30	NP_115963	ANGT5426	3.00E-14	1
Late histone H2A.1	P04735	ANGT7716	3.00E-46	1
histone H2A.Z	NP_002097	ANGT7177	1.00E-50	1
histone H5	AAH66449	ANGT6064	2.00E-07	1
nucleosome assembly protein 1-like 4	NP_005960	ANGT7710	7.00E-57	9
transposase	S26856	ANGT5300	1.00E-11	1
<b>DNA Synthesis</b>				
probable DNA topoisomerase III beta	G84727	ANGT6646	1.00E-11	1
<b>General Metabolism</b>				
<b>Amino Acids</b>				
3-dehydroquinate synthetase	ZP_00327160	ANGT6393	3.00E-10	1
CG1236	NP_649579	ANGT6501	2.00E-17	1
CG8129	XP_313322	ANGT7552	3.00E-54	1
cystathionase isoform 1	AAP36257	ANGT5853	1.00E-72	2

dihydropteridine reductase (24.7 kD) (30483)	NP_499760	ANGT5748	2.00E-65	7
H17 protein	AAH02910	ANGT7814	2.00E-61	2
homogentisate 1,2-dioxygenase	AAF36489	ANGT7167	2.00E-72	1
LOC407665 protein	AAH66701	ANGT4818	2.00E-52	4
polyamine oxidase	AAM43922	ANGT8279	3.00E-12	3
Pyrroline-5-carboxylate reductase	CAE69881	ANGT4795	1.00E-45	4
similar to CG4357-PA	NP_081362	ANGT8198	1.00E-05	2
<b>Lipids</b>				
3-hydroxy-3-methylglutaryl CoA synthase	AAH42929	ANGT6176	8.00E-78	1
adipose differentiation-related protein	BAC37483	ANGT6258	8.00E-13	1
CG7402	NP_649023	ANGT8424	1.00E-04	1
CG8646	AAL48694	ANGT6182	4.00E-46	2
CG9577	XP_312264	ANGT8042	5.00E-69	2
GM2 ganglioside activator protein	NP_034429	ANGT7880	2.00E-17	12
lipase, gastric	NP_776528	ANGT6173	2.00E-35	1
neural Lazarillo	AAF85707	ANGT7226	5.00E-17	4
polyunsaturated fatty acid elongase	NP_956072	ANGT4636	7.00E-28	4
RIKEN cDNA 9030221M09	NP_796272	ANGT6808	2.00E-11	1
thiolase	NP_498915	ANGT7061	4.00E-37	1
Triacylglycerol lipase	1K8QA	ANGT5026	2.00E-17	1
<b>Nucleotides</b>				
Dctd protein	NP_561982	ANGT8039	2.00E-49	1
expressed in non-metastatic cells 6	NP_061227	ANGT5460	2.00E-29	1
histidine triad nucleotide binding protein	P80912	ANGT8016	4.00E-46	3
hypothetical protein FLJ22843	NP_079460	ANGT5053	2.00E-05	1
hypothetical protein MGC23937	NP_659489	ANGT7921	2.00E-47	1
nucleoside-diphosphate kinase	NP_988903	ANGT8282	2.00E-67	3
S-adenosylhomocysteine hydrolase	AAQ96656	ANGT6326	1.00E-125	5
similar to glycolate oxidase	XP_230613	ANGT6720	5.00E-48	1
<b>Other Enzymes/Cofactors</b>				
adenine phosphoribosyl transferase	NP_956962	ANGT7531	1.00E-27	4
aldehyde dehydrogenase	XP_319075	ANGT7154	2.00E-83	1
aldo/keto reductase family protein	NP_176267	ANGT6816	4.00E-76	4
Androgen-regulated dehydrogenase	AAH26274	ANGT5785	1.00E-47	1
beta-1,4-mannosyltransferase	XP_340751	ANGT8111	6.00E-35	1
Cu/Zn superoxide dismutase	AAN85727	ANGT5209	5.00E-52	15
carbonic anhydrase 1	XP_308327	ANGT7284	3.00E-34	2
Carbonic anhydrase II	Q8UWA5	ANGT7306	5.00E-22	1
carbonic anhydrase-like	NP_031618	ANGT8186	8.00E-35	1
glutathione peroxidase	CAC38779	ANGT6653	2.00E-34	1
glutathione S-transferase	AAH54171	ANGT4658	3.00E-43	23
GTP cyclohydrolase I	Q94465	ANGT8059	7.00E-58	1
hypothetical protein [Bacillus cereus]	NP_833221	ANGT7967	9.00E-07	1
hypothetical protein SAV871	NP_822046	ANGT5351	9.00E-06	1
inositol(myo)-1(or 4)-monophosphatase 1	AAH54268	ANGT6772	7.00E-49	9
major vault protein	NP_958482	ANGT5679	2.00E-69	1
Mat2a protein	NP_956165	ANGT6154	1.00E-107	2
NADH dehydrogenase flavoprotein 2	NP_957041	ANGT6923	1.00E-80	3
N-acetylglucosaminyl-phosphatidylinositol bsp	NP_002632	ANGT5156	4.00E-51	1

N-acetylgalactosamine-6-sulfate sulfatase oxidoreductase, 2OG-Fe(II) oxygenase family	XP_226546	ANGT7170	4.00E-63	1
Peroxiredoxin 6005	CAB88075	ANGT6199	4.00E-17	3
peroxisomal farnesylated protein	NP_523463	ANGT5464	3.00E-26	1
phosphoenolpyruvate carboxykinase	AAH56815	ANGT6488	1.00E-13	1
Phytoene dehydrogenase and related proteins	AAQ10076	ANGT8220	6.00E-65	1
retinol dehydrogenase 12	ZP_00162310	ANGT7963	4.00E-20	1
RppA	NP_689656	ANGT4902	4.00E-48	1
Selenoprotein W	AAL78053	ANGT6538	1.00E-35	1
similar to human DKFZp566O084 protein	AAN32901	ANGT4930	1.00E-11	1
transitional epithelia response protein	NP_663403	ANGT8234	3.00E-47	1
spermidine/spermine N1-acetyl transferase 2	XP_317591	ANGT6883	1.00E-63	3
thioredoxin	XP_181304	ANGT6042	1.00E-21	1
	AAK72483	ANGT4962	4.00E-19	1
<b>Sugar/Glycolysis</b>				
alpha-amylase	P17859	ANGT8422	1.00E-34	6
cytosolic malate dehydrogenase	BAC78621	ANGT6384	5.00E-97	2
diacetyl/L-xylulose reductase	NP_989100	ANGT5825	3.00E-29	1
galactokinase 2	AAH44977	ANGT6890	1.00E-26	1
glucosidase, alpha; acid	NP_776338	ANGT5137	4.00E-79	1
glyceraldehyde-3-phosphate dehydrogenase	BAB68543	ANGT5228	1.00E-119	45
Pgm2-prov protein	AAH68033	ANGT6630	1.00E-91	1
Phosphoglycerate kinase	P41759	ANGT6744	1.00E-93	1
phosphoglycolate phosphatase	AAQ91284	ANGT5805	3.00E-27	1
putative endo-1,3;1,4-beta-glucanase	AAM18486	ANGT5868	7.00E-22	5
Ribulose-5-phosphate 4-epimerase	ZP_00213767	ANGT5757	2.00E-21	2
unnamed protein product	CAG11446	ANGT5207	2.00E-14	1
<b>Intracellular Signaling</b>				
<b>Channels/Transporters</b>				
ABC transporter, membrane spanning protein	NP_355105	ANGT4867	4.00E-35	1
Apolipoprotein D	P51910	ANGT4878	4.00E-20	8
aquaporin-1	AAS98212	ANGT5287	8.00E-33	5
chloride channel 6	NP_036059	ANGT6617	3.00E-32	1
chloride channel 7	NP_113756	ANGT7448	7.00E-78	1
FLJ10815	NP_060701	ANGT7362	2.00E-20	1
Glucose transporter 1	AAL13347	ANGT5264	2.00E-31	1
glycoprotein-associated aa transporter	CAB54003	ANGT5555	7.00E-45	1
L-lactate permease, putative	NP_246791	ANGT7568	3.00E-24	1
mucolipin 3	BAC28916	ANGT5001	4.00E-25	1
Rh type A glycoprotein	AAP42763	ANGT6197	3.00E-44	1
Slc39a11	AAH62054	ANGT5122	2.00E-44	4
GABA transporter 1	P30531	ANGT6924	6.00E-67	1
solute carrier family 17 member	NP_510830	ANGT7895	1.00E-15	1
solute carrier family 35, member 2	CAD43419	ANGT4611	3.00E-48	1
sugar transporter family protein	NM_180504	ANGT7553	5.00E-12	2
testis potassium dependent Na/Ca exchanger	AAL75810	ANGT8321	1.00E-37	1
xCRABP	P50568	ANGT7986	6.00E-05	2
Zgc:92095 [Danio rerio]	AAH81589	ANGT6325	6.00E-27	1
<b>Effectors/Modulators</b>				
adaptor protein SHC	AAB88515	ANGT7105	2.00E-05	1

Ahsa1l protein	NP_610121	ANGT6750	1.00E-43	1
amadillo repeat-containing protein	CAD27772	ANGT5226	2.00E-13	2
atpase H+ transporting lysosomal	EAK85620	ANGT6896	2.00E-07	5
C-Myc binding protein	Q99417	ANGT6780	9.00E-25	1
DRG 1	P43690	ANGT5502	1.00E-48	1
farnesyltransferase	NP_786999	ANGT6567	1.00E-41	1
PKC-zeta-interacting protein (ZIP)	AAH56852	ANGT5161	4.00E-18	1
proteasome inhibitor subunit 1 isoform 1	CAC10383	ANGT5159	8.00E-08	2
RAN-binding protein-3	NP_003615	ANGT5571	1.00E-17	1
RAR-responsive protein TIG3	Q9UL19	ANGT6445	3.00E-09	10
ring finger protein	CAA04477	ANGT5940	5.00E-35	2
seven in absentia 2	Q9I8X5	ANGT7541	1.00E-06	1
SRB7 suppressor of RNA polymerase B	AAH49042	ANGT6887	6.00E-24	7
small glutamine-rich tetratricopeptide	NP_061945	ANGT7492	2.00E-51	4
TH1	CAB64337	ANGT5803	2.00E-26	1
unnamed protein product	BAB30543	ANGT7728	2.00E-40	1
<b>Protein Kinases</b>				
adenylate kinase	AAP31910	ANGT5756	3.00E-58	1
Arginine kinase	O15990	ANGT5833	4.00E-60	18
aurora kinase C	NP_446201	ANGT4800	3.00E-76	4
copine I	XP_342556	ANGT5815	1.00E-14	1
phosphatidylinositol 5-phosphate 4-kinase b	NP_446002	ANGT5602	5.00E-47	1
protein kinase, AMP-activated, beta 2	NP_005390	ANGT6221	1.00E-33	1
pyruvate phosphate dikinase 1	AAG12985	ANGT5524	9.00E-22	1
similar to 25 kDa brain-specific protein	XP_341747	ANGT7802	4.00E-19	1
Similar to hexokinase 2	AAH45496	ANGT6361	1.00E-04	1
Yeast Sps1/Ste20-related kinase 4	XP_426605	ANGT7007	2.00E-78	1
<b>Protein Phosphatases</b>				
acid phosphatase 1 isoform c	NP_004291	ANGT6043	2.00E-22	4
CG3376-PA	XP_320591	ANGT4710	3.00E-55	1
protein tyrosine phosphatase 1a	AAK83456	ANGT5684	7.00E-26	1
myotubularin related protein 2	AAC80005	ANGT6375	3.00E-36	1
Protein phosphatase 1 regulatory subunit 12A	CAG13205	ANGT6233	1.00E-24	1
<b>Transduction</b>				
Cdc42	NP_523414	ANGT6401	2.00E-42	3
CG6453	NP_957347	ANGT6255	7.00E-11	1
Drac3	NP_524292	ANGT5599	7.00E-25	1
DRG	NP_956332	ANGT6685	1.00E-117	5
GBL protein	AAH01313	ANGT4631	2.00E-34	1
Hypothetical protein CBG13224	CAE67661	ANGT8326	1.00E-04	1
hypothetical protein [Dictyostelium]	AAS38626	ANGT7449	2.00E-20	1
hypothetical protein [Macaca fascicularis]	BAB64490	ANGT7833	3.00E-46	1
mitogen-activated protein kinase	AAC33482	ANGT8080	3.00E-62	1
putative GTP-binding protein RIC2	AAT01316	ANGT6263	8.00E-30	1
putative gtpase activating protein homolog	NP_595866	ANGT6321	3.00E-12	1
Rac1	XP_315449	ANGT6531	1.00E-32	3
RACK	NP_571519	ANGT6602	1.00E-105	4
RAS2 protein	AAK64517	ANGT6613	3.00E-31	8
RSA-14-44 protein	NP_872611	ANGT7803	2.00E-36	8

similar to ECT2 protein	XP_294019	ANGT7359	3.00E-13	1
ring-infested erythrocyte surface antigen	XP_344711	ANGT6124	5.00E-13	3
suppressor of bimD6 homolog	XP_319133	ANGT7727	1.00E-11	1
<b>Mitochondrial</b>				207
<b>No Significant Match</b>				534
<b>Protein Metabolism</b>				
<b>Degradation</b>				
26S proteasome-associated pad1 homolog	AAH45094	ANGT5046	1.00E-113	3
acrosin precursor	BAA00651	ANGT5291	6.00E-10	1
cathepsin D	AAL61540	ANGT8045	3.00E-53	1
cathepsin L	CAC08809	ANGT6213	1.00E-20	1
cathepsin Y	NP_899159	ANGT5020	5.00E-78	51
cathepsin Z	NP_071720	ANGT5525	5.00E-79	6
CG31728	NP_723797	ANGT6942	2.00E-10	1
CGI-77 protein	NP_057107	ANGT5847	2.00E-16	1
CNDP dipeptidase	AAH56069	ANGT8315	3.00E-98	6
coagulation factor VII	NP_989773	ANGT5131	1.00E-22	2
Cystatin A1	Q28988	ANGT6132	2.00E-12	2
cysteine proteinase	AAH66585	ANGT7536	1.00E-09	49
fibroinase precursor	XP_320687	ANGT5058	1.00E-81	14
Hypothetical protein CBG04105	CAE60490	ANGT8010	3.00E-07	1
ornithine decarboxylase antizyme	O42148	ANGT6378	7.00E-18	1
prolylcarboxypeptidase isoform 1	NP_112614	ANGT4613	1.00E-74	2
Protective protein for beta-galactosidase	AAH00597	ANGT5124	4.00E-72	2
proteasome alpha 3 subunit isoform 1	NP_002779	ANGT6097	5.00E-64	1
proteasome subunit, beta 7	NP_989728	ANGT7394	2.00E-80	2
pUb-R3	BAA97575	ANGT6494	9.00E-63	1
regeneration-associated protease SRAP	AAK15274	ANGT7515	7.00E-49	13
sentrin/SUMO-specific protease	AAH59353	ANGT8365	4.00E-19	1
serine carboxypeptidase	NP_189169	ANGT5923	2.00E-07	1
ubiquitin	BAC06474	ANGT7586	2.00E-15	1
ubiquitin conjugating enzyme E2	AAM21576	ANGT6367	3.00E-24	2
Unknown (protein for MGC:76968)	AAH66585	ANGT7536	1.00E-09	1
<b>Folding</b>				
Cct6a protein	AAH18459	ANGT6812	2.00E-96	1
Hsc70 protein	AAO43731	ANGT5211	1.00E-131	5
prefoldin 2	NP_036526	ANGT6655	4.00E-20	5
similar to Ormdl2 protein	NP_057551	ANGT8387	4.00E-29	1
<b>Post-Translational Modification</b>				
cell division protein	NP_488976	ANGT6872	3.00E-31	1
CG14435-PA	NP_572359	ANGT4793	8.00E-26	2
COP9 signalosome subunit 5	NP_989109	ANGT7314	1.00E-119	1
cyclophilin	AAR11779	ANGT5958	1.00E-67	11
DNA-binding protein HEXBP	Q04832	ANGT5028	9.00E-46	1
ENSANGP00000022031	XP_312161	ANGT6091	2.00E-91	1
FKBP39	JC4090	ANGT7665	1.00E-06	2
FLJ38628 protein	NP_00100784	ANGT5953	1.00E-56	2
GPI anchor attachment protein 1	NP_034461	ANGT8026	1.00E-44	1
N-acetyltransferase 6	Q93015	ANGT4860	1.00E-13	1

peptidylprolyl isomerase	S71547	ANGT6431	3.00E-37	2
Rbx1	XP_461128	ANGT5063	1.00E-15	2
CCTeta, eta subunit of the chaperonin similar to hyp. protein DKFZp564A022	XP_216180	ANGT5992	1.00E-102	1
	NP_999915	ANGT7527	3.00E-38	1
<b>Ribosomal Components</b>				435
<b>Translation Factors</b>				
eukaryotic translation initiation factor 3 EIF-4A	NP_037366	ANGT4651	2.00E-40	8
	XP_327706	ANGT5655	5.00E-51	1
protein synthesis inhibitor, putative	NP_228030	ANGT8229	8.00E-29	2
eukaryotic translation initiation factor 2	NP_731993	ANGT6392	4.00E-97	1
EFTu GTP binding domain containing 1	NP_078856	ANGT6455	2.00E-66	1
<b>tRNA Synthesis</b>				
aspartyl-tRNA synthetase	XP_315584	ANGT6892	5.00E-43	4
scye1-prov	AAH46580	ANGT4721	4.00E-39	1
CG4947	XP_313382	ANGT6908	3.00E-46	1
<b>RNA Metabolism</b>				
<b>RNA Binding</b>				
CG4038	NP_477043	ANGT6114	7.00E-20	2
CG17838	NP_732557	ANGT4726	5.00E-40	1
cg-associated RNA binding protein	AAQ97857	ANGT4948	1.00E-60	4
Fibrillarin	AAO01021	ANGT8035	1.00E-80	2
FUS/TLS protein	AAC35284	ANGT5650	3.00E-10	1
Hnrpa1	AAH44442	ANGT6558	2.00E-21	1
nucleic acid binding protein	BAC37269	ANGT7719	5.00E-28	26
RNA-binding protein	NP_869435	ANGT7063	5.00E-08	9
Saccharomyces cerevisiae Nip7p homolog	NP_620202	ANGT6513	2.00E-59	3
similar to ALY (THOC4)	1NO8A	ANGT6178	3.00E-21	11
u1 small nuclear ribonucleoprotein C	NP_501490	ANGT6769	6.00E-21	2
vasa-related protein CnVAS2	BAB13308	ANGT6751	2.00E-11	1
zinc knuckle (CCHC-type) family protein	NP_190918	ANGT6031	6.00E-07	1
<b>RNA Polymerases</b>				
RNA polymerase II, polypeptide H	NP_006223	ANGT5751	2.00E-61	1
<b>RNA Processing</b>				
arginine/serine-rich splicing factor	AAD19278	ANGT6408	2.00E-19	27
DEAD-box protein	AAK93255	ANGT4813	2.00E-69	1
exosome component 9	NP_062266	ANGT5313	6.00E-40	1
LSM2 homolog	NP_067000	ANGT6010	2.00E-41	1
Rnac-pending protein	AAH53404	ANGT5723	2.00E-77	1
SAM-dependent methyltransferases	ZP_00061314	ANGT6753	2.00E-09	1
similar to RIKEN cDNA 2410006F12	XP_216603	ANGT6463	3.00E-96	1
Small ribonucleoprotein particle protein B	XP_315523	ANGT7754	1.00E-16	9
Small ribonucleoprotein Sm D3	NP_725106	ANGT7421	2.00E-40	1
splicing factor	XP_314469	ANGT6202	2.00E-44	42
u6 snRNA-associated Sm-like protein	NP_506870	ANGT7623	2.00E-31	1
xl6	NP_723226	ANGT4906	2.00E-13	1
<b>Transcription Factors</b>				
basic transcription factor 3	AAP36846	ANGT5462	1.00E-40	1
Bola-like protein	XP_131044	ANGT5215	4.00E-26	2
CCR4-associated factor 1	AAD02685	ANGT6658	6.00E-52	1

GAS41 protein	NP_006521	ANGT8124	1.00E-60	1
homeobox prox 1	CAG00987	ANGT5974	3.00E-37	1
Lim protein	AAR23823	ANGT8119	7.00E-19	2
Limpet	XP_315409	ANGT6106	1.00E-70	10
LIN-41	XP_067369	ANGT7446	4.00E-55	1
MRG15	NP_650442	ANGT5656	3.00E-07	1
sequestosome 1	AAH56852	ANGT7872	2.00E-22	4
similar to (Slime mold). homeobox containing	NP_704021	ANGT7000	8.00E-09	1
similar to zinc finger protein 236	XP_391883	ANGT7707	1.00E-04	1
spatial-delta	AAP50907	ANGT6078	2.00E-15	3
suppressor of Ty 4 homolog 1	NP_003159	ANGT6657	5.00E-37	1
TBPH	XP_309663	ANGT8306	8.00E-45	3
Tead3 protein	CAD92501	ANGT6861	2.00E-38	1
Y box-binding protein 1	Q06066	ANGT5859	8.00E-37	3
<b>Secretory Pathways</b>				
<b>Endoplasmic Reticulum</b>				
Dolichyl pyrophosphate phosphatase 1	NP_065062	ANGT4627	6.00E-43	3
Rab subfamily of small GTPases	NP_724763	ANGT6807	2.00E-69	5
<b>Golgi</b>				
alpha-2,3-sialyltransferase ST3Gal III	CAF25179	ANGT7443	2.00E-06	4
<b>Vesicular Components</b>				
synapsin I isoform Ia	O62732	ANGT4686	1.00E-05	1
SNF7	AAH67988	ANGT5880	3.00E-27	1
beta-SNAP protein	P81126	ANGT6371	4.00E-39	1
<b>Unknown Function</b>				
<b>Eukaryotes</b>				
BM-002	AAQ94583	ANGT4739	9.00E-35	8
CG3501	AAL68373	ANGT5990	1.00E-14	2
CG7168	NP_650695	ANGT6474	6.00E-08	1
CG8198-PA	AAL90184	ANGT6372	1.00E-32	1
CG8806	NP_610487	ANGT6430	1.00E-14	1
CG11137	XP_395810	ANGT6331	5.00E-34	1
CGI-90	XP_418323	ANGT5806	1.00E-27	1
CGI-146 protein	AAD34141	ANGT7877	4.00E-30	1
Chromosome 9 open reading frame 46	AAH08212	ANGT7034	1.00E-23	1
GLP_741_36440_38116	EAA39700	ANGT7887	6.00E-10	1
HRPII	S31771	ANGT4979	8.00E-08	4
hypothetical protein	NP_705510	ANGT6770	9.00E-17	2
hypothetical protein [Neurospora crassa]	XP_330710	ANGT4839	3.00E-11	1
meg1	NP_032605	ANGT5113	2.00E-23	1
meg-2-like protein	AAC25388	ANGT6638	2.00E-57	1
NIPSNAP1	CAB56701	ANGT8335	1.00E-40	1
PTD008 protein [Homo sapiens]	AAH01192	ANGT5192	5.00E-44	7
RIKEN cDNA 2610318G18	NP_080289	ANGT4666	9.00E-15	2
SCP-Like extracellular protein	CAD13385	ANGT7983	1.00E-26	27
similar to F-box only protein 21	CAD92380	ANGT4893	9.00E-17	3
Shwachman-Bodian-Diamond syn protein	XP_415725	ANGT6929	4.00E-63	1
unnamed protein product	BAA97098	ANGT6234	2.00E-11	1
<b>Invertebrates</b>				

ENSANGP00000018476	XP_309306	ANGT7564	3.00E-32	4
Hypothetical protein CBG08261	CAE63733	ANGT6790	0.0001	1
Hypothetical protein CBG12352	CAE66959	ANGT4770	0.0001	1
Hypothetical protein CBG15313	CAE69262	ANGT5306	0.0001	1
Hypothetical protein CBG17043	CAE70459	ANGT7705	1.00E-07	1
hypothetical protein [Plasmodium ]	NP_704021	ANGT8374	8.00E-09	2
leucine-rich repeat containing protein	NP_498330	ANGT7723	1.00E-26	1
CG4676	NP_610853	ANGT7772	8.00E-17	1
CG15040-PA	NP_702296	ANGT5326	2.00E-12	1
<b>Plants</b>				
Expressed Protein (DUF614)	NP_909980	ANGT6778	6.00E-12	53
<b>Vertebrates</b>				
AQ	NP_990245	ANGT7788	6.00E-19	10
chromosome 20 open reading frame 85	NP_848551	ANGT4807	5.00E-16	2
CRIP1	AAH31922	ANGT7333	1.00E-30	11
Epididymal secretory protein E1 precursor	O97763	ANGT5072	2.00E-14	1
HSPC300	AAF28978	ANGT8022	2.00E-06	1
hypothetical protein FLJ25143	NP_872306	ANGT7345	5.00E-07	1
HYPOTHETICAL PROTEIN UL126	P16836	ANGT8236	1.00E-32	1
hypothetical protein XP_196415	XP_196415	ANGT5354	1.00E-12	1
hypothetical protein XP_196478	XP_196478	ANGT7924	5.00E-16	1
IBR domain containing 1	XP_238063	ANGT6729	9.00E-12	2
MDN1	XP_372522.2	ANGT6314	2.00E-06	4
MGC52968 protein	AAH46664	ANGT5212	1.00E-40	1
ret finger protein	AAP36197	ANGT5189	6.00E-11	1
RIKEN cDNA 0610037P05	XP_414898	ANGT5952	6.00E-22	1
RIKEN cDNA 1700001C02	XP_496547	ANGT7686	1.00E-26	2
RIKEN cDNA 1700007K13	XP_130125	ANGT8085	1.00E-13	1
RIKEN cDNA 1700011E24	XP_128789	ANGT7746	3.00E-18	3
RIKEN cDNA 1700027A23	XP_131115	ANGT7694	3.00E-08	6
RIKEN cDNA 1700040L02	NP_082767	ANGT5501	9.00E-12	3
RIKEN cDNA 2400003L07	NP_848465	ANGT4919	3.00E-29	1
RIKEN cDNA 2810422J05	XP_284425	ANGT5907	6.00E-09	1
RIKEN cDNA 4930555I21	NP_084465	ANGT7216	5.00E-06	1
RIKEN cDNA D330028D13	AAH55818	ANGT7706	6.00E-58	2
Rsb-66 protein	NP_859045	ANGT5360	8.00E-05	1
similar to F-box protein FBX29	CAC36340	ANGT6001	2.00E-60	1
similar to hypothetical protein MGC46496	NP_941061	ANGT5444	5.00E-26	1
similar to RIKEN cDNA 1700028P14	XP_059956	ANGT7606	7.00E-11	1
tumor suppressing STF cDNA 1	NP_003301	ANGT5784	3.00E-12	1
unnamed protein product [Tetraodon]	CAG10705	ANGT5282	5.00E-05	2
Unknown (protein for MGC:85408)	AAH78549	ANGT6238	1.00E-21	1
Ximpact	BAA76409	ANGT5169	2.00E-28	1
<b>Yeast</b>				
hypothetical protein	NP_703474	ANGT8393	8.00E-28	2
hypothetical protein UM00469.1	EAK81380	ANGT7428	6.00E-05	4
hypothetical protein CaO19.6835	EAK91016	ANGT6108	1.00E-12	1
<b>Prokaryotes</b>				
hypothetical protein BH14150	YP_034120	ANGT7976	8.00E-05	1

hypothetical protein CaO19.6835	EAK91016	ANGT6735	9.00E-13	1
hypothetical protein RxyI022578	ZP_00186250	ANGT5413	1.00E-06	1





















