

Biological Scoring Part

Experimental Scoring Part

Score	Protein Name	Complex ID	Enzymatic Activity (9)	Cellular Processes (6)	Human Disease (4)	Protein Motif (2)	Interacting Protein (2)	Full c-DNA name (2)	Antibody (2)	KO ES cell (3)
30	Msh2	CBP NE	1. ATP binding activity 2. Damaged DNA binding activity	1. Mismatch repair 2. Negative regulation of cell cycle 3. Postreplication repair	1. Colorectal cancer 2. Hereditary nonpolyposis type 1 3. Muir-torre family cancer syndrome	1. MUTSd 2. MUTSac	YES	MHS1011-76852	YES	YES
29	Msh6	1. P300 2. CBP 3. COREST NE	1. ATP binding activity 2. Damaged DNA binding activity	1. Mismatch repair	1. Colorectal cancer hereditary nonpolyposis 2. Endometrial Cancer 3. Colon cancer hereditary nonpolyposis 4. Ovarian cancer endometrial type	1. PWWP 2. MUTSd 3. MUTSac	YES	MHS1011-60683	YES	NO
28	PRPF8	CDK7 NE	RNA binding activity	1. Nuclear mRNA splicing via spliceosome 2. Visual perception	Retinitis pigmentosa	JAB	YES	MHS1010-9206011	NO	YES
28	CTDP1	CRASP2 NE	1. DNA-directed RNA polymerase activity 2. Hydrolase activity 3. Phosphoprotein phosphatase activity	1. Protein amino acid dephosphorylation 2. Transcription from RNA polymerase II promoter	CCFDN syndrome	BRCT	YES	NO	YES	YES
28	VCP	SRC-1 NE	ATPase activity	Protein ubiquitination	IBMPFD	AAA	YES	NO	YES	YES
27	PRPF3	CDK7 NE	1. RNA splicing factor activity 2. Transesterification activity	1. Nuclear mRNA splicing via spliceosome 2. Visual perception	Retinitis pigmentosa 18	PWI	YES	MHS1011-59472	YES	NO
26	Ku86(XRCC5)	CAPER S100	1. ATP-dependent DNA helicase activity 2. Double-stranded DNA binding activity 3. Helicase activity 4. Hydrolase activity	DNA Repair	NO	1. VWA 2. Ku78	YES	MHS1011-76130	YES	YES
26	Ku70(G22P1)	CAPER S100	1. ATP-dependent DNA helicase activity 2. Double-stranded DNA binding activity 3. Helicase activity 4. Hydrolase activity	DNA Repair	NO	1. VWA 2. Ku78 3. SAP	YES	MHS1011-62157	YES	YES
26	CDK7	CDK7 S100	1. ATP binding activity 2. Cyclin-dependent protein kinase activity	1. DNA repair 2. Cell division 3. Cell proliferation 4. Protein amino acid phosphorylation 5. Regulation of cyclin dependent protein kinase activity	NO	S/T KINASE domain	YES	IHS1382-8444794	YES	YES
26	PARP1	CRASP2 NE	1. DNA binding activity 2. NAD+ ADP-ribosyltransferase activity 3. Metal ion binding 4. Glycosyl groups transfere activity	1. ADP-ribosylation of protein 2. Transcription from RNA polymerase II promoter	NO	1. BRCT 2. NLS	YES	MHS1010-7508040	YES	YES
26	Itch	SRC-1 NE	Ub-protein ligase activity	1. Inflammatory response 2. ubi cycle	NO	1. C2 2. WW 3. HECT	YES	MHS1011-76852	YES	YES
25	ERCC3	CDK7 NE	1. 3' to 5' DNA helicase activity 2. ATP binding activity 3. ATP-dependent DNA helicase activity 4. Damaged DNA binding 5. Helicase activity 6. Hydrolase activity	1. DNA topological change 2. Induction of apoptosis 3. Nucleotide-excision repair 4. Perception of sound 5. Regulation of transcription, DNA-dependent	1. Xeroderma pigmentosum group b 2. Trichothiodystrophy	1. DEXDc 2. HELIC	YES	NO	YES	NO

25	ERCC2	CDK7 NE	1. 5' to 3' DNA helicase activity 2. ATP binding activity 3. ATP-dependent DNA helicase activity 4. DNA binding activity 5. Hydrolase activity, 6. Magnesium ion binding	1. Induction of apoptosis 2. Perception of sound 3. Regulation of DNA-dependent transcription 4. Transcription-coupled nucleotide-excision repair	1. Xeroderma pigmentosum 2. Trichothiodystrophy	1. DEXDc 2. HELIC	YES	IHS1380-8845483	NO	NO
25	Mre11	P300 NE	1. 3'-5' exonuclease activity 2. Double-stranded DNA binding 3. Hydrolase activity 4. Manganese ion binding 5. Single-stranded DNA specific endodeoxyribonuclease activity	1. Double-strand break repair via nonhomologous end-joining 2. Meiotic recombination 3. Regulation of mitotic recombination 4. Telomerase-dependent telomere maintenance	Ataxia-telangiectasia-like disorder	CC	YES	MHS1010-9205853	YES	NO
24	U5-116KD	CDK7 NE	1. GTP binding activity 2. GTPase activity	1. RNA splicing 2. Protein biosynthesis	NO	GTP_EFTU_D2	YES	MHS1011-58684	NO	YES
24	GTF2H1	CDK7 NE	RNA polymerase subunit kinase activity	1. DNA repair 2. Regulation of cyclin dependent protein kinase activity 3. Regulation of DNA-dependent transcription	NO		YES	MHS1011-61176	YES	YES
24	AOF2 (LSD1)	COREST S100 + NE	Oxidoreductase activity	1. Chromatin modification 2. Electron transport 3. Regulation of DNA-dependent transcription	NO		YES	MHS1010-9204067	YES	YES
24	HSPCB	CRASP2 NE	1. ATP binding activity 2. TPR domain binding activity 3. Nitric-oxide synthase regulator activity	1. Positive regulation of nitric oxide biosynthesis 2. Protein folding and unfolding response	NO	CC	YES	MHS1011-60639	YES	YES
24	G22P1(XRCC6)	CRASP2 NE	1. ATP binding activity 2. ATP-dependent DNA helicase activity 3. Double-stranded DNA binding activity 4. Helicase activity 5. Hydrolase activity	1. DNA ligation 2. DNA recombination 3. DNA repair	NO	1. VWA 2. Ku78 3. SAP	YES	MHS1011-62157	NO	YES
23	ASF-3 (SFRS1)	CAPER NE	RNA binding activity	mRNA Processing	NO	RRM	YES	MHS1010-7429423	YES	NO
23	PRPF4	CDK7 NE	1. RNA splicing factor activity 2. Transesterification mechanism	Nuclear mRNA splicing via spliceosome	NO	WD40	YES	MHS1011-169916	YES	NO
23	GTF2H2	CDK7 NE	Metal ion binding activity	1. DNA repair response to UV 2. Transcription initiation	NO	VWA	YES	IHS1382-8528419	YES	NO
23	PHKG2	E6AP S100	1. ATP binding activity 2. Calmodulin binding 3. Phosphorylase kinase activity 4. Serine/Threonine kinase activity	Calcium signaling pathway	Glycogen storage disease	S/T KINASE domain	NO	MHS1011-59114	NO	NO
23	ATR	SRC-2 NE	S/T kinase (PI3KC) activity	1. DNA repair 2. Cell cycle	Seckel syndrom	PI3KC domain	YES	NO	NO	NO
22	BIRC6	ASC-1 NE	1. Cysteine protease inhibitor activity 2. Ubiquitin conjugating enzyme activity	1. Anti-apoptosis and Apoptosis 2. Ubiquitin cycle	NO	1. BIR 2. UBC 3. CC		NO	YES	YES
22	sRm300 (SRRM2)	Caper NE	RNA binding activity	Nucleic acid metabolism	NO	RBD	YES	NO	NO	YES
22	U5-200 KD (ASCC3L1)	Caper NE	1. ATP binding activity 2. ATP-dependent RNA helicase activity 3. Hydrolase activity 4. Nucleic acid binding 5. Type III site-specific deoxyribonuclease activity	1. Folate biosynthesis 2. Starch and sucrose metabolism 3. mRNA Processing	NO	1. DEXDc 2. HELIC	YES	NO	NO	YES
22	U2AF2	CAPER NE	RNA binding activity	mRNA Processing	NO	RRM	YES	NO	NO	YES

22	CrkRS kinase (CRK7)	CAPER S100	1. ATP binding activity 2. Serine/Threonine kinase activity	1. Sphingoglycolipid metabolism 2. Inositol phosphate metabolism 3. Starch and sucrose metabolism 4. Benzoate degradation via CoA ligation 5. Nicotinate and nicotinamide metabolism	NO	S/T KINASE domain	YES	NO	NO	YES
22	ASCC3L1	CDK7 NE	1. ATP binding activity 2. ATP-dependent RNA helicase activity 3. DNA binding activity 4. Hydrolase activity	Nuclear mRNA splicing via spliceosome	NO	1. DEXDc 2. HELIC	YES	NO	NO	YES
22	TOP2A	CDK7 NE	1. ATP binding activity 2. DNA topoisomerase (ATP-hydrolyzing) activity	1. DNA repair 2. DNA replication 3. DNA topological change 4. Phosphoinositide-mediated signaling	NO	CC	YES	NO	YES	YES
22	C20orf14	CDK7 NE	1. RNA splicing factor activity 2. Transesterification activity	1. RNA splicing 2. Spliceosome assembly	NO	HAT	YES	NO	NO	YES
22	DDX23	CDK7 NE	1. ATP binding activity 2. ATP-dependent helicase activity 3. Hydrolase activity	Nuclear mRNA splicing via spliceosome	NO	1. DEXDc 2. HELIC	NO	MHS1011-58554	NO	YES
22	SEPT2	CDK7 NE	1. GTP binding activity 2. GTPase activity	1. Cell cycle 2. Cytokinesis	NO	CC	YES	IHS1380-8846820	NO	YES
22	ZNF198	COREST NE	Zinc ion binding activity	Regulation of DNA-dependent transcription	Lymphoblastic lymphoma	TRASH	YES	MHS1010-7295295	NO	YES
22	POLR2A	CRASP2 NE	1. DNA binding activity 2. DNA-directed RNA polymerase activity 3. Metal ion binding activity	1. Regulation of DNA-dependent transcription 2. Androgen receptor signaling pathway	NO	CC	YES	NO	YES	YES
22	KHDRBS1	CRASP2 NE	1. DNA binding activity 2. RNA binding activity 3. SH3/SH2 adaptor activity	1. G2/M transition of mitotic cell cycle 2. Cell proliferation 3. Cell cycle arrest 4. Regulation of RNA-nucleus export	NO	KH	YES	MHS1011-59741	NO	YES
22	PKM2	CRASP2 NE	1. Magnesium ion binding activity 2. Pyruvate kinase activity	Glycolysis	NO		YES	NO	YES	YES
22	Highwire (MYCBP2)	E6AP S100	1. Ubiquitin-protein ligase activity 2. Zinc ion binding activity	Protein ubiquitination	NO	1. RHD 2. BBOX 3. ZNFC2 4. SP 5. LZ 6. NLS	YES	NO	NO	YES
22	phosphorylase kinase beta	E6AP S100	1. Calmodulin binding activity 2. Phosphorylase kinase activity 3. Horylase kinase regulator activity	1. Carbohydrate metabolism 2. Generation of precursor metabolites and energy 3. Glycogen catabolism	NO		NO	NO	NO	YES
22	DDX24	P300 NE	1. ATP binding activity 2. ATP-dependent RNA helicase activity 3. RNA binding activity 4. Hydrolase activity	RNA metabolism	NO	1. DEXDc 2. HELIC	YES	NO	NO	YES
22	P532	P300 NE	1. Guanly nucleotide exchnaging factor activity 2. Ubi-protein ligase activity	Ubi cycle	NO	1. SPRY 2. WD40 3. HECT	YES	NO	NO	YES
22	RbBP 6	SRC-1 NE	Ubiquitin-specific protease activity	Cell Cycle	NO	1. ZN-F 2. RING	YES	NO	NO	YES
21	HDAC2	1. ASC-1 NE 2. COREST S100 + NE	1. Histone deacetylase activity 2. Hydrolase activity	1. Chromatin modification 2. Histone deacetylation 3. Regulation of DNA-dependent transcription 4. Cell Cycle 5. Notch signaling.	NO	CC	YES	MHS1010-7296041	YES	NO

21	KIF23	ASC-1 NE	1. ATP binding activity 2. Microtubule motor activity	1. Cell cycle 2. Microtubule-based movement 3. Mitotic spindle elongation	NO	KISC	YES	MHS1010-58406	NO	NO
21	MED12	ASC1 NE+CRSP2 NE	1. ATP binding activity 2. DNA binding activity 3. DNA topoisomerase (ATP-hydrolyzing) activity	1. DNA topological changing 2. Androgen receptor signaling pathway 3. Regulation of DNA-dependent transcription	NO	CC	YES	NO	NO	NO
21	SFR7 (SFRS7)	CAPER NE	RNA binding activity	mRNA Processing	NO	1. RRM 2. ZNF	YES	MHS1010-9206052	NO	NO
21	Transformer-2/SFRS10	Caper NE	1. RNA binding activity 2. Nucleic acid binding activity	Nuclear mRNA splicing via spliceosome	NO	RRM	YES	NO	YES	NO
21	MNAT1	CDK7 S100 + NE	1. Ubiquitin-protein ligase activity 2. Zinc ion binding activity	1. DNA repair 2. Cell cycle 3. Cell proliferation 4. Protein ubiquitination 5. Regulation of cyclin dependent protein kinase activity 6. Regulation of transcription from RNA polymerase II promoter transcription	NO	RING	YES	MHS1010-57659	NO	NO
21	PHF21A (BRAAF35)	COREST NE	1. DNA binding activity 2. Helicase activity 3. Ubiquitin-protein ligase activity 4. Zinc ion binding activity	1. Protein ubiquitination 2. Regulation of DNA-dependent transcription	NO	1. AT_hook 2. PHD 3. LZ	YES	MHS1010-73866	NO	NO
21	TRAP1	CRASP2 NE	1. ATP binding activity 2. Nucleotide binding activity 3. Tumor necrosis factor receptor binding activity	Protein folding and unfolding response	NO		YES	MHS1011-7508968	YES	NO
21	phosphorylase kinase alpha 2	E6AP S100	1. Calmodulin binding activity 2. Phosphorylase kinase activity	1. Carbohydrate metabolism 2. Generation of precursor metabolites and energy 3. Glycogen metabolism	1. X-linked liver glycogenosis Type I 2. X-linked liver glycogenosis Type II		NO	MHS1011-75802	NO	NO
21	NBS1	P300 NE	Damaged DNA binding activity	1. Cell cycle checkpoint 2. Double-strand break repair	Nijmegen breakage syndrome	1. FHA 2. BRCT	YES	EHS1001-7571564	YES	YES
21	DNA-PKCs	1. SRC-2 2. COREST NE	S/T kinase activity	Ras/MAPK and PI3K/AKT signaling pathway	NO	1. PI3KC 2. LZ	YES	NO	YES	NO
21	PSME3	SRC-3	Ubiquitin-specific protease activity	1. DNA Replication 2. Cell Cycle (Mitotic) 3. Cell Cycle Checkpoints	NO		YES	MHS1011-59151	YES	NO
20	MED4 (DRIP36)	ASC-1 NE	Thyroid hormone receptor and vitamin D receptor binding activity		NO	CC	NO	MHS1011-62520	NO	YES
20	KIAA0251	ASC-1 S100	Carboxy-lyase activity	Amino acid metabolism	NO	CC	NO	MHS1010-9204351	NO	YES
20	PCBP3	CAPER NE	1. DNA binding activity 2. RNA binding activity	mRNA metabolism	NO	KH	NO	NO	NO	YES
20	KIAA0182	COREST S100 + NE	1. Ubiquitin-protein ligase activity 2. Zinc ion binding activity	Protein ubiquitination	NO	CC	YES	NO	NO	YES
20	THRAP1	CRASP2 NE	Thyroid hormone receptor and Vitamin D receptor binding activity	1. Androgen receptor signaling pathway 2. Regulation of DNA-dependent transcription 3. Transcription initiation from RNA polymerase II promoter	NO	NO	YES	NO	NO	YES
20	PPARBP	CRASP2 NE	1. DNA binding activity 2. Thyroid hormone receptor binding activity	1. Androgen receptor signaling pathway 2. Regulation of DNA-dependent transcription	NO		YES	NO	NO	YES

20	CDC42BPB	CRASP3 NE	1. ATP binding activity 2. S/T kinase activity 3. Small GTPase regulator activity	1. Establishment and/or maintenance of cell polarity 2. Intracellular signaling cascade 3. Protein amino acid phosphorylation	NO	1. S/T KINASE domain 2. C1 3. PH 4. CNH 5. PBD	NO	NO	NO	YES
20	G160 (GCP170)	E6AP S100	Transporter activity	Intra-Golgi transport	NO	1. NLS 2. CC	YES	NO	NO	YES
19	CDC2L5	ACS-1 NE	1. ATP binding activity 2. S/T kinase activity 3. Tyrosine kinase activity	1. Positive regulation of cell proliferation 2. Protein amino acid phosphorylation 3. Regulation of mitosis	NO	S/T KINASE domain	NO	NO	YES	NO
19	CRSP6	1. ASC1 NE 2. CRASP2 NE	Thyroid hormone receptor binding activity	1. Androgen receptor signaling pathway 2. Regulation of transcription from RNA polymerase II promoter	NO		YES	MHS1011-76878	NO	NO
19	HNRPU	1. CDK7 NE 2. CRASP2 NE	1. ATP binding activity 2. DNA binding activity 3. RNA binding activity	RNA processing	NO	1. SAP 2. SPRY	YES	NO	NO	NO
19	TOP2B	CDK7 NE	1. ATP binding activity 2. DNA topoisomerase (ATP-hydrolyzing) activity	DNA topological changing	NO	NES	YES	NO	NO	NO
19	RREB1	COREST NE	1. DNA binding activity 2. Zinc ion binding activity	1. Ras signal transduction 2. Regulation of DNA-dependent transcription	NO	ZNFC2	YES	NO	NO	NO
19	SMC1L1	COREST NE	1. ATP binding activity 2. ATPase activity 3. Microtubule motor activity	1. signal transduction of DNA damage response 2. DNA repair 3. Cell cycle 4. Cell cycle checkpoint 5. Cell division 6. Chromosome organization and biogenesis 7. Chromosome segregation 8. Meiosis	NO	CC	YES	NO	YES	NO
19	HSPA8	1. COREST S100 2. CRASP2 NE	1. ATP binding activity 2. ATPase activity 3. Unfolded protein binding	Protein folding and unfolding response	NO	CC	YES	MHS1010-7429943	NO	NO
19	THRAP4	CRASP2 NE	1. ATP binding activity 2. Metal ion binding 3. Thyroid hormone receptor and Vitamin D receptor binding activity	1. Androgen receptor signaling pathway 2. Regulation of DNA-dependent transcription	NO		YES	HS1380-8846793	NO	NO
19	THRAP5	CRASP2 NE	Thyroid hormone receptor and vitamin D receptor binding activity	1. Androgen receptor signaling pathway 2. Regulation of transcription from RNA polymerase II promoter	NO	WD40	YES	NO	NO	NO
19	CALM2	E6AP S100	NO	1. Calcium signaling pathway 2. Phosphatidylinositol signaling system	Huntington's disease	EF	YES	MHS1010-57423	NO	YES
19	Rad50	1. P300 NE 2. CoREST S100 + NE	1. 3'-5' exonuclease activity 2. ATP binding activity 3. ATPase activity 4. Endonuclease activity 5. Hydrolase activity 6. Single-stranded DNA specific endodeoxyribonuclease activity	1. Cell cycle 2. Double-strand break repair 3. Meiosis 4. Meiotic recombination 5. Regulation of mitotic recombination 6. Telomerase-dependent telomere maintenance	NO	CC	YES	NO	YES	NO
19	HYD	1. SRC-1 NE 2. SRC-2 NE	HECT activity	Ubiquitin-dependent protein catabolism	NO	1. UBA 2. HECT	YES	NO	NO	NO
18	TRIP4	ASC-1 NE + S100	1. Ligand-dependent nuclear receptor binding 2. Metal ion binding	Regulation of DNA-dependent transcription	NO		YES	MHS1010-58048	YES	YES
18	CRK7	ASC-1 NE	1. ATP binding activity 2. S/T kinase activity	NO	NO	S/T KINASE domain	YES	NO	YES	YES

18	HNRPK	1. CDK7 NE 2. CRASP2 NE	1. DNA binding activity 2. RNA binding activity	NO	NO	KH	YES	MHS1011-58749	NO	YES
18	HSPA5	CRASP2 NE	1. ATP binding activity 2. Nucleotide binding activity	NO	NO	1. SP 2. CC	YES	MHS1011-7509143	NO	YES
17	CRSP2	1. ASC-1 NE 2. CRASP2 NE	Thyroid hormone receptor and Vitamin D receptor binding activity	1. Androgen receptor signaling pathway 2. Transcription initiation from RNA polymerase II promoter	NO		YES	NO	NO	NO
17	AcinusL (ACIN1)	CAPER NE	1. ATPase activity 2. DNA binding activity	1. Apoptotic chromosome condensation 2. Erythrocyte differentiation 3. Positive regulation of monocyte differentiation	NO	1. SAP 2. RNP-1 3. ATROPHIN	NO	NO	NO	NO
17	SAP155 /SF3B1	CAPER NE	1. RNA splicing factor activity 2. Transesterification	mRNA Processing	NO	CC	YES	NO	NO	NO
17	S164/RBM25	CAPER NE	mRNA binding activity	1. mRNA processing 2. Nuclear mRNA splicing via spliceosome	NO	1. RRM 2. PWI	NO	NO	NO	NO
17	C20orf129	COREST S100	1. ATP binding activity 2. tRNA ligase activity	1. Protein biosynthesis 2. tRNA aminoacylation for protein translation	NO		NO	NO	NO	NO
17	NFAT4	SRC-3	NO	1. Inflammatory response 2. Wnt/Ca2 pathway	NO	1. RHD 2. IPT	YES	MHS1010-57423	YES	YES
16	ASCC3 (HELIC1)	ASC1 NE + S100	1. ATP binding activity 2. ATP-dependent helicase activity 3. Hydrolase activity 4. Nucleic acid binding activity 5. Nucleoside-triphosphatase activity	Regulation of DNA-dependent transcription	NO	1. DEXDc 2. HELIC 3. CC	YES	NO	NO	YES
16	POLR2B	CRASP2 NE	1. DNA binding activity 2. DNA-directed RNA polymerase activity 3. Metal ion binding activity	Transcription from RNA polymerase II promoter	NO		YES	MHS1011-7508765	NO	YES
15	SPAG9	CRASP2 NE	NO	Spermatogenesis	NO	1. TM 2. LZ	YES	NO	YES	YES
15	53BP1	P300 NE	NO	1. Nucleotide metabolism 2. DNA repair	NO	BRCT	YES	NO	YES	YES
15	RIF	SRC-2 -NE	ATPase activity	DNA repair	NO		NO	NO	NO	NO
14	SCYL2	ASC-1 NE	1. ATP binding activity 2. S/T kinase activity	Protein amino acid phosphorylation	NO	CC	NO	MHS1010-9206266	NO	YES
14	CCNH	CDK7 S100 + NE	NO	1. DNA repair 2. Cell cycle 3. Regulation of cyclin dependent protein kinase activity 4. Regulation of progression through cell cycle 5. Regulation of DNA-dependent transcription	NO	CYCLIN	YES	MHS1011-62462	YES	NO
14	PSPC1	CRASP2 NE	1. RNA binding activity 2. Nucleotide binding activity	NO	NO	RRM	NO	NO	NO	YES
13	ZBTB2	CBP NE	1. DNA binding activity 2. Zinc ion binding activity	Regulation of DNA-dependent transcription	NO	1. BTB 2. ZNFC2	NO	MHS1011-7508941	NO	NO
13	ZNF639	CBP NE	1. DNA binding activity 2. Zinc ion binding activity	Regulation of DNA-dependent transcription	NO	ZNF	NO	MHS1010-58132	NO	NO
13	ZNF38	COREST NE	Zinc ion binding activity	Regulation of DNA-dependent transcription	NO	1. LER 2. ZNFC2	NO	MHS1010-73866	NO	NO

14	CCNH	CDK7 S100 + NE	NO	1. DNA repair 2. Cell cycle 3. Regulation of cyclin dependent protein kinase activity 4. Regulation of progression through cell cycle 5. Regulation of DNA-dependent transcription	NO	CYCLIN	YES	MHS1011-62463	YES	NO
14	PSPC2	CRASP2 NE	1. RNA binding activity 2. Nucleotide binding activity	NO	NO	RRM	NO	NO	NO	YES
13	P115 (Vesicle docking protein P115)	SRC-2 NE	NO	Transport	NO	CC	YES	NO	YES	YES
12	SnRNP core D1/SNRPD1	Caper NE	NO	mRNA Processing	NO	SM	YES	MHS1010-58132	NO	NO
12	RCOR1 (CoREST)	COREST S100 + NE	DNA binding activity	Regulation of transcription	NO	SANT	YES	NO	YES	NO
11	ZNF592	ASC-1 NE	1. DNA binding activity 2. Zinc ion binding activity	Regulation of DNA-dependent transcription	NO	ZNFC2	NO	NO	NO	NO
11	YWHAE (14-3-3E)	ASC-1 NE	NO	NO	NO	ACETYLATION domain	YES	MHS1010-57459	YES	YES
11	TPR	SRC-3	NO	Protein-nucleus import	NO	CC	YES	NO	NO	YES
11	CCNK	ASC-1 NE	NO	1. Cell division 2. Mitosis 3. Regulation of cyclin dependent protein kinase activity 4. Regulation of DNA-dependent transcription	NO	CYCLIN domain	YES	NO	NO	NO
10	GTF2H4	CDK7 NE	NO	1. DNA repair 2. Regulation of DNA-dependent transcription	NO		YES	MHS1011-60577	NO	NO
10	HMG20B	COREST NE	DNA binding activity	1. Cell cycle 2. Chromatin modification 3. Regulation of DNA-dependent transcription	NO	CC	YES	MHS1011-60581	NO	NO
10	CRSP7	CRASP2 NE	Transcription coactivator activity	Defense response	no	TFS	YES	NO	NO	NO
10	PSMD3	E6AP S100	NO	Proteasomal pathway	NO	PINT	NO	MHS1011-59734	NO	NO
10	Homo sapiens putative NFkB activating protein	SRC-2 S100	NO	Positive regulation of I-kappaB kinase/NF-kappaB cascade	NO	1. DM14 2. C2	NO	NO	YES	NO
9	ZCW3	SRC-3 S100	NO	NO	NO	1. SP 2. CC	NO	MHS1011-169949	YES	YES
8	SDK3/PNN	CAPER NE	Structural molecule activity	Cell Adhesion	NO	CC	YES	NO	NO	NO
8	OSBPL3	CRASP3 NE	Nucleic acid binding activity	1. Lipid transport 2. Steroid metabolism	NO	1. PH 2. CC	NO	NO	NO	NO
7	PRKCBP1	1. ASC-1 NE 2. COREST NE	1. DNA binding activity 2. Metal ion binding activity	Regulation of DNA-dependent transcription	NO	1. PHD 2. BROMO 3. PWWP	YES	NO	NO	YES
7	ASCC1	ASC1 NE	Nucleic acid binding activity	Regulation of DNA-dependent transcription	NO	KH	YES	NO	NO	YES
7	CRSP8	ASC-1 NE	Transcription coactivator activity	1. Regulation of transcription from RNA polymerase II promoter 2. Transcription initiation from RNA polymerase II promoter	NO		YES	MHS1010-9206020	NO	YES

7	SRRM1	Caper NE	NO	NO	NO	PWI	YES	NO	NO	YES
6	CMIP	COREST S100	NO	NO	NO	1. PH 2. LRR	YES	NO	NO	YES
6	CRSP3	1. CRSP3 NE 2. CRASP2 NE	Transcription coactivator activity	Regulation of transcription from RNA polymerase II promoter	NO		YES	MHS1010-9204293	NO	YES
6	ASCC2	ASC-1 NE + S100	NO	Regulation of DNA-dependent transcription	NO	CUE	YES	MHS1011-7508906	NO	NO
6	SHCBP1	ASC-1 NE	NO	NO	NO	PbH1	YES	MHS1010-7295541	NO	NO
6	PRPF31	CDK7 NE	NO	NO	Retinitis pigmentosa		NO	NO	YES	NO
6	TRIP230 (TRIP11)	SRC-1 NE	NO	NO	NO	1. SP 2. CC	YES	NO	YES	NO
5	C10orf3	ASC-1 NE	NO	NO	NO	CC	NO	MHS1011-61264	NO	YES
5	CGI-59/LUC7L2	CAPER NE	NO	NO	NO		YES	NO	NO	YES
4	SAP18	CAPER NE	Transcription corepressor activity	Regulation of transcription from RNA polymerase II promoter	NO		YES	EHS1001-6807859	NO	NO
4	BPY2IP1	CDK7 S100 + NE	NO	Sturacture of Cytoskeleton	NO		YES	EHS1001-7516329	NO	NO
4	SEPT9	1. CDK7 NE 2. CRASP2 NE	NO	NO	NO		YES	IHS1380-8842345	NO	NO
4	SART1	CDK7 NE	NO	NO	NO	CC	YES	MHS1011-59718	NO	NO
4	RCOR3	COREST S100 + NE	DNA binding activity	Regulation of transcription	NO	SANT	YES	NO	NO	NO
4	NEDD1	P300 NE	NO	NO	NO	WD40	NO	MHS1010-7295439	NO	NO
3	VAC14	CDK7 NE	NO	NO	NO		NO	NO	NO	YES
3	ch-TOG/CKAP5	CRASP2 NE	NO	NO	NO		NO	NO	NO	YES
3	PCQAP	CRASP2 NE	NO	Regulation of DNA-dependent transcription	NO		NO	NO	NO	YES
3	FLJ21945	E6AP S100	NO	NO	NO	CC	NO	NO	NO	YES
2	AHNAK2	ASC-1 NE	NO	NO	NO		NO	MHS1010-9205042	NO	NO
2	NY-REN-58	ASC-1 NE	NO	NO	NO	CC	NO	EHS1001-7373334	NO	NO
2	FCHSD1	ASC-1 S100	NO	NO	NO	1. FCH 2. SH3	NO	NO	NO	NO



2	AND 1	1. SRC-1 NE 2. SRC-2 S100	NO	NO	NO	1. WD40 2. HMG	NO	NO	NO	NO
0	IRF-2BP2A	CAPER S100	NO	NO	NO		NO	NO	NO	NO