

Table S2. Prospective hnRNP K mRNA targets identified by RIP-Chip

UniGene (<i>Xenopus</i>)	Fold enriched	UniGene (Human)	Gene name	Subcellular localization	GO term categorization
XI.78902	4.00	Hs.298990	SWI/SNF related, matrix associated, actin dependent regulator of chromatin, subfamily a, member 2	Nucleus	Transcription
XI.1068	4.02	Hs.309288	CUG triplet repeat, RNA-binding protein 2	Cytoplasm/nucleus	RNA metabolic process
XI.154	4.08	Hs.413133	Fizzy/cell division cycle 20 related 1 (<i>Drosophila</i>)	Nucleus	Cell cycle
XI.84929	4.10	Hs.513039	SIN3 homolog A, transcription regulator (yeast)	Nucleus	Transcription
XI.84291	4.10	Hs.445272	general transcription factor IIE, polypeptide 1, alpha 56 kDa	Nucleus	Transcription
XI.8543	4.11	Hs.705323	phosphatidylinositol transfer protein, beta	Cytoplasm	Lipid metabolic process
XI.15995	4.11	Hs.436803	Von Hippel-Lindau binding protein 1	Cytoplasm/nucleus	Localization
XI.22719	4.15	Hs.519469	Solute carrier family 30 (zinc transporter), member 1	Plasma membrane	Localization
XI.433	4.16	Hs.494312	neurotrophic tyrosine kinase, receptor, type 2	Synapse	Signal transduction
XI.734	4.16	Hs.146339	protein phosphatase 2 (formerly 2A), regulatory subunit B, alpha isoform	Cytoplasm	Signal transduction
XI.6682	4.16	Hs.355264	cytochrome b-561	Plasma membrane	Respiratory chain
XI.60083	4.20	Hs.79101	Cyclin G1	Nucleus	Cell cycle
XI.533	4.21	Hs.194756	SIX homeobox 6	Nucleus	Developmental process
XI.1271	4.22	Hs.177766	poly (ADP-ribose) polymerase 1	Nucleus	DNA repair
XI.1250	4.23	Hs.514934	capping protein (actin filament) muscle Z-line, alpha 1	Cytoskeleton	Localization
XI.60262	4.25	Hs.702275	Ras-related GTP binding A	Nucleus	Signal transduction
XI.13978	4.27	Hs.159161	Rho GDP dissociation inhibitor (GDI) alpha	Cytoplasm	Signal transduction
XI.84205	4.27	Hs.149239	ephrin-B2	Plasma membrane	Signal transduction
XI.4920	4.32	Hs.330384	Coronin, actin binding protein, 1C	Cytoskeleton	Localization
XI.55601	4.36	Hs.370247	amyloid beta (A4) precursor-like protein 2	Nucleus	Localization
XI.2472	4.39	Hs.517421	Mediator complex subunit 15	Nucleus	Transcription
XI.3446	4.41	Hs.247077	ras homolog gene family, member A	Cytoskeleton	Signal transduction
XI.71256	4.46	Hs.524788	RAB35, member RAS oncogene family	Plasma membrane	Localization
XI.43210	4.49	Hs.529778	centromere protein K	Cytoplasm	Localization
XI.161	4.65	Hs.74137	transmembrane emp24-like trafficking protein 10 (yeast)	Intracellular organelle (Golgi apparatus)	Transport
XI.4514	4.65	Hs.528007	U2 small nuclear RNA auxiliary factor 2	Nucleus	RNA metabolic process
XI.469	4.67	Hs.234434	hairy/enhancer-of-split related with YRPW motif 1	Nucleus	Developmental process
XI.47036	4.68	Hs.430733	chloride channel, nucleotide-sensitive, 1A	Cytoskeleton	Localization
XI.30097	4.69	Hs.592087	GLIS family zinc finger 2	Nucleus	Transcription
XI.1974	4.69	Hs.725954	LIM and SH3 protein 1	Cytoskeleton	Localization
XI.5191	4.69	Hs.520898	cathepsin B	Plasma membrane	Protein modification
XI.991	4.70	Hs.521461	Neurofilament, light polypeptide 68kDa	Cytoskeleton	Localization
XI.32951	4.74	Hs.458747	acidic (leucine-rich) nuclear phosphoprotein 32 family, member A	Cytoplasm/nucleus	Transport
XI.54983	4.76	Hs.213424	secreted frizzled-related protein 1	Extracellular region	Signal transduction
XI.21852	4.76	Hs.492407	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein (14-3-3), zeta polypeptide	Cytoplasm	Signal transduction
XI.47042	4.93	Hs.172928	collagen, type I, alpha 1	Extracellular region	Localization
XI.1299	4.93	Hs.75431	Alkaline phosphatase, liver/bone/kidney	Plasma membrane	Developmental process
XI.992	4.94	Hs.500916	Internexin neuronal intermediate filament protein, alpha	Cytoskeleton	Developmental process
XI.8625	4.97	Hs.533479	Lysophospholipase II	Cytoplasm	Lipid metabolic process
XI.20555	4.99	Hs.515162	calreticulin	Intracellular organelle (E.R.)	Localization
XI.20763	5.01	Hs.368157	phosphorylase, glycogen; brain	Cytoplasm	Carbohydrate metabolic process
XI.69	5.01	Hs.424156	iroquois homeobox 1	Nucleus	Transcription
XI.23165	5.03	Hs.726023	Ubiquitin specific peptidase 25	Cytoplasm	Localization
XI.21721	5.06	Hs.631630	protein kinase, cAMP-dependent, catalytic, alpha	Cytoplasm/nucleus	Signal transduction
XI.51281	5.07	Hs.234074	delta/notch-like EGF repeat containing	Plasma membrane	Developmental process

XI.25877	5.09	Hs.175473	adenylate kinase 1	Cytoplasm/nucleus	Nucleic acid metabolic process
XI.78049	5.16	Hs.416358	sal-like 2 (<i>Drosophila</i>)	Nucleus	Developmental process
XI.6558	5.27	Hs.418175	Vacuolar protein sorting 28 homolog (<i>S. cerevisiae</i>)	Cytoskeleton	Localization
XI.76728	5.28	Hs.589427	chromatin modifying protein 1A	Intracellular organelle (Endosome)	Transport
XI.9043	5.30	Hs.21398	glucosamine-6-phosphate deaminase 2	Cytoplasm	Carbohydrate metabolic process
XI.1133	5.33	Hs.134974	Growth associated protein 43	Cytoskeleton	Developmental process
XI.54889	5.37	Hs.260603	phosphatidylinositol-5-phosphate 4-kinase, type II, beta	Plasma membrane	Signal transduction
XI.14555	5.39	Hs.522087	sigma non-opioid intracellular receptor 1	Nucleus	Localization
XI.8101	5.40	Hs.489365	Adaptor-related protein complex 1, sigma 1 subunit	Plasma membrane	Transport
XI.57143	5.43	Hs.10842	RAN, member RAS oncogene family	Cytoplasm/nucleus	Transport
XI.5747	5.49	Hs.518460	adaptor-related protein complex 2, mu 1 subunit	Plasma membrane	Transport
XI.2898	5.53	Hs.466831	platelet-activating factor acetylhydrolase, isoform Ib, subunit 3 (29 kDa)	Cytoplasm	Developmental process
XI.637	5.54	Hs.326035	early growth response 1	Nucleus	Developmental process
XI.8282	5.54	Hs.289123	Dynactin 2 (p50)	Cytoskeleton	Transport
XI.24134	5.55	Hs.462214	growth arrest-specific 7	Cytoplasm	Developmental process
XI.8686	5.55	Hs.167317	synaptosomal-associated protein, 25 kDa	Synapse	Transport
XI.21449	5.56	Hs.1837	POU class 3 homeobox 1	Nucleus	Developmental process
XI.55964	5.56	Hs.202526	SRY (sex determining region Y)-box 1	Nucleus	Developmental process
XI.2243	5.59	Hs.203717	fibronectin 1	Extracellular region	Localization
XI.21860	5.61	Hs.111779	secreted protein, acidic, cysteine-rich (osteonectin)	Extracellular region	Signal transduction
XI.7112	5.71	Hs.502829	splicing factor 1	Nucleus	RNA metabolic process
XI.3647	5.71	Hs.465885	interleukin enhancer binding factor 3, 90 kDa	Nucleus	RNA metabolic process
XI.987	5.77	Hs.351887	Calcium/calmodulin-dependent protein kinase (CaM kinase) II beta	Synapse	Signal transduction
XI.17318	5.78	Hs.646614	Kruppel-like factor 8	Nucleus	Transcription
XI.25127	5.79	Hs.77269	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2	Plasma membrane	Signal transduction
XI.63457	5.82	Hs.125867	Enah/Vasp-like	Cytoskeleton	Localization
XI.56738	5.83	Hs.380138	chimerin (chimaerin) 1	Cytoplasm	Signal transduction
XI.76031	5.88	Hs.18192	Serine/arginine repetitive matrix 1	Nucleus	RNA metabolic process
XI.77466	6.03	Hs.443121	purine-rich element binding protein A	Nucleus	Transcription
XI.4277	6.10	Hs.26703	CCR4-NOT transcription complex, subunit 8	Nucleus	Transcription
XI.1796	6.13	Hs.647962	Zic family member 1 (odd-paired homolog, <i>Drosophila</i>)	Nucleus	Transcription
XI.18423	6.13	Hs.1897	Proopiomelanocortin	Cytoplasm	Hormone regulation
XI.7048	6.14	Hs.632465	phosphatidylinositol 4-kinase, catalytic, beta polypeptide	Plasma membrane	Localization
XI.230	6.15	Hs.632804	Synaptophysin	Synapse	Localization
XI.34764	6.32	Hs.459630	RAB40C, member RAS oncogene family	Plasma membrane	Protein modification
XI.6363	6.32	Hs.50308	Ubiquitin-conjugating enzyme E2K (UBC1 homolog, yeast)	Cytoplasm	Localization
XI.27242	6.50	Hs.356647	Sorting nexin 6	Cytoplasm	Transport
XI.17529	6.71	Hs.429294	ATP-binding cassette, sub-family A (ABC1), member 4	Plasma membrane	Localization
XI.11560	6.75	Hs.644056	Casein kinase 2, alpha 1 polypeptide	Nucleus	Signal transduction
XI.11987	6.79	Hs.593995	Transcription factor 7-like 2 (T-cell specific, HMG-box)	Nucleus	Signal transduction
XI.21919	6.87	Hs.390567	FYN oncogene related to SRC, FGR, YES	Cytoskeleton	Localization
XI.8485	6.97	Hs.369761	DAZ associated protein 2	Nucleus	RNA metabolic process
XI.518	7.02	Hs.2795	lactate dehydrogenase A	Cytoplasm	Oxidation reduction
XI.10796	7.10	Hs.289271	Cytochrome c-1	Intracellular organelle (Mitochondrion)	Respiratory chain
XI.13832	7.16	Hs.310645	RAB1A, member RAS oncogene family	Intracellular organelle (Golgi apparatus)	Transport

XI.77498	7.21	Hs.462323	Nuclear receptor co-repressor 1	Nucleus	Transcription
XI.24060	7.27	Hs.368626	Reticulon 1	Intracellular organelle (ER)	Developmental process
XI.23218	7.36	Hs.151777	Eukaryotic translation initiation factor 2, subunit 1 alpha, 35 kDa	Cytoplasm	RNA metabolic process
XI.70063	7.54	Hs.546271	poly(rC) binding protein 2	Cytoplasm/nucleus	RNA metabolic process
XI.20976	7.66	Hs.644524	Guanine nucleotide binding protein (G protein), alpha activating activity polypeptide O	Cytoplasm	Signal transduction
XI.44791	7.79	Hs.279953	Epsin 1	Plasma membrane	Transport
XI.173	8.21	Hs.458657	Neurofilament, medium polypeptide 150 kDa	Cytoskeleton	Localization
XI.8699	8.24	Hs.170622	Cofilin 1 (non-muscle)	Cytoskeleton	Localization
XI.175	8.47	Hs.302903	Ubiquitin-conjugating enzyme E2I (UBC9 homolog, yeast)	Nucleus	Cell cycle
XI.11086	8.61	Hs.281707	Pumilio homolog 1 (<i>Drosophila</i>)	Cytoplasm	RNA metabolic process
XI.24991	8.62	Hs.524630	Ubiquitin-conjugating enzyme E2N (UBC13 homolog, yeast)	Cytoplasm	Protein modification
XI.6831	8.65	Hs.157351	Obg-like ATPase 1	Cytoplasm	Signal transduction
XI.1132	8.66	Hs.513797	Solute carrier family 7 (cationic amino acid transporter, y+ system), member 5	Plasma membrane	Localization
XI.899	8.95	Hs.82045	Midkine (neurite growth-promoting factor 2)	Plasma membrane	Developmental process
XI.781	9.00	Hs.445340	Orthodenticle homeobox 1	Nucleus	Developmental process
XI.4611	9.11	Hs.503222	RAB6A, member RAS oncogene family	Intracellular organelle (Golgi apparatus)	Transport
XI.61358	9.18	Hs.368160	protocadherin gamma subfamily C, 5	Cytoplasm	Signal transduction
XI.16138	9.25	Hs.115232	Splicing factor 3a, subunit 2, 66 kDa	Nucleus	RNA Metabolic process
XI.76633	9.33	Hs.487635	Basic leucine zipper and W2 domains 2	Nucleus	Developmental process
XI.7684	9.85	Hs.502705	PRP19/PSO4 pre-mRNA processing factor 19 homolog (<i>S. cerevisiae</i>)	Nucleus	Respiratory chain
XI.5983	9.96	Hs.299055	GDP dissociation inhibitor 2	Cytoplasm	Localization
XI.54061	10.15	Hs.468442	Calmodulin 2 (phosphorylase kinase, delta)	Cytoskeleton	Signal transduction
XI.84462	10.33	Hs.652183	ADP-ribosylation factor 4	Intracellular organelle (Golgi apparatus)	Transport
XI.234	10.39	Hs.25348	Vesicle-associated membrane protein 2 (synaptobrevin 2)	Synapse	Transport
XI.5377	11.07	Hs.464336	prolyl 4-hydroxylase, beta polypeptide	Intracellular organelle (ER)	Protein modification
XI.2103	11.08	Hs.725177	Ubiquitin-conjugating enzyme E2R 2	Cytoplasm	RNA metabolic process
XI.647	11.33	Hs.270303	Paired box 6	Nucleus	Developmental process
XI.829	12.11	Hs.503878	Neural cell adhesion molecule 1	Plasma membrane	Signal transduction
XI.2716	12.62	Hs.101174	Microtubule-associated protein tau	Cytoskeleton	Localization
XI.76987	12.81	Hs.432760	Capping protein (actin filament) muscle Z-line, beta	Cytoskeleton	Localization
XI.4716	14.05	Hs.516790	rho/rac guanine nucleotide exchange factor (GEF) 2	Cytoplasm	Localization
XI.77241	14.77	Hs.91747	Profilin 2	Cytoskeleton	Localization
XI.83164	15.13	Hs.434980	Amyloid beta (A4) precursor protein	Cytoskeleton	Localization
XI.8880	15.52	Hs.295917	ATPase, H+ transporting, lysosomal 50/57 kDa, V1 subunit H	Intracellular organelle (Lysosome)	Localization
XI.2484	17.26	Hs.475663	RAB5A, member RAS oncogene family	Intracellular organelle (endosome)	Localization
XI.34962	17.99	Hs.438219	G protein pathway suppressor 2	Cytoplasm	Signal transduction
XI.167	20.73	Hs.12341	Adenosine deaminase, RNA-specific	Cytoplasm/nucleus	RNA metabolic process
XI.1113	24.39	Hs.369670	Kinesin family member 3B	Cytoskeleton	Localization
XI.22948	25.65	Hs.643727	ARP2 actin-related protein 2	Cytoskeleton	Localization