**Table S6B Gene Ontology (GO) Molecular Function Analysis**

| GO ID | GO Term | Class P value | No. of Genes | Associated Genes Found |
|---|---|---|---|---|
| GO:0003723 | RNA binding | 1.39E-71 | 119 | GLYNA, GLYTM, SUGA1, SUGM1, ZFP91-CNTD1, ZFP97-ZC3H11A, CDA01, CCT3, CCT4, CCT7, CDKN2A, CDKN2B, CDKN2C, CTR9A, DDX1, DDX10, DDX21, DDX3X, DDX3Y, DDX5, DHX15, EIF1AX, EIF1AY, EIF2S1, EIF2S2, EIF2S3, EIF3A, EIF3B, EIF3C, EIF3D, EIF3E, EIF3F, EIF3G, EIF3H, EIF3I, EIF3J, EIF3K, EIF3L, EIF3M, FUS, H1-5, H1C1, H1C11, H1C13, H1C15, H1C16, H1C2, H1C3, H1C4, H1C5, H1C6, H1C7, H1C8, H1C9, H1D, H1FX, HNRNPA0, HNRNPA1, HNRNPA1L2, HNRNPA2B1, HNRNPA3, HNRNPAB, HNRNPC, HNRNPD, HNRNPDL, HNRNPF, HNRNPH1, HNRNPH2, HNRNPH3, HNRNPK, HNRNPL, HNRNPM, HNRNPR, HNRNPU, HNRNPUL1, HSPD1, ILF2, ILF3, KHDRBS1, KRT18, MAGT1, NCBP1, NCL, NONO, NOP2, NSA1, PCHI1, PHAX, PPIA, PRDX1, PRKRIR, PRPF31, RAN, RANBP1, RBM14, RBM39, RPL10, RPL11, RPL13, RPL15, RPL18, RPL19, RPL23, RPL27, RPL28, RPL3, RPL30, RPL31, RPL32, RPL34, RPL35, RPL35A, RPL36, RPL36A, RPL37, RPL38, RPL4, RPL5, RPL6, RPL7, RPL7A, RPL8, RPL9, RPS10, RPS11, RPS12, RPS13, RPS14, RPS15, RPS15A, RPS16, RPS17, RPS18, RPS19, RPS2, RPS20, RPS21, RPS23, RPS24, RPS25, RPS26, RPS27, RPS27A, RPS28, RPS3, RPS3A, RPS4X, RPS4Y1, RPS5, RPS6, RPS7, RPS8, RPS9, SF1, SF3A1, SF3A2, SF3A3, SF3B1, SF3B2, SF3B3, SF3B4, SF3B5, SF3B6, SFPQ, SLC25A3, SMARCA4, SMC1A, SMNDC1, SMNFL1, SMNFL2, SMNFL3, SMNFL4, SMNFL5, SMNFL6, SPTBN2, SRSF1, SRSF2, SRSF3, SRSF5, SUPT16H, SUPT5H, SYNCRIP, TUFM, TUFT1, TYW1, TBL1X, TUBA1A, TUBB4B, U2AF2, UBA1, UBE2I, UPF1, USP7, XRCC5, YY1] |
| GO:0005515 | protein binding | 1.71E-71 | 219 | CSDBP, LARP4, LIN7C, SDAD1, PCID, HSBP1L6, PHB2HP1, HSBP1, HSBP2, HSBP3, HSBP4, HSBP5, HSBP6, HSBP7, HSBP8, HSBP9, HSBP10, HSBP11, HSBP12, HSBP13, HSBP14, HSBP15, HSBP16, HSBP17, HSBP18, HSBP19, HSBP20, HSBP21, HSBP22, HSBP23, HSBP24, HSBP25, HSBP26, HSBP27, HSBP28, HSBP29, HSBP30, HSBP31, HSBP32, HSBP33, HSBP34, HSBP35, HSBP36, HSBP37, HSBP38, HSBP39, HSBP40,