| **Species** | **Group** | **Protein** | **Localization** | **Biological Process** |
| --- | --- | --- | --- | --- |
| S.Cerevisiae | eIF4A | [TIF1p / YKR059W TIF2p / YJL138C](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_eIF4A.html) | Cytoplasm  Plasma membrane | Translational initiation |
| C.Elegans | eIF4A | [eIF4A F57B9.6](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_eIF4A.html) |  | Translational initiation |
| D.Melanogaster | eIF4A | [CG9075](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_eIF4A.html) | Cytoplasm  P-granule | Translational initiation |
| M.Musculus | eIF4A | [Eif4a-1 Ddx2a](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_eIF4A.html) |  | Translational initiation |
| H.Sapiens | eIF4A | [EIF4A-1 DDX2A](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_eIF4A.html) | Cytoplasm  Extracellular exosome | Translational initiation  Host-virus interaction |
| M.Musculus | eIF4A | [Eif4a-2 Ddx2b](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_eIF4A.html) |  |  |
| H.Sapiens | eIF4A | [EIF4A-2 DDX2B](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_eIF4A.html) | Cytoplasm | Translational initiation  Host-virus interaction |
| S.Cerevisiae | Fal1p / eIF4A3 / DDX48 | [FAL1 YDR021W](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_Fal1p-eIF4A3-DDX48.html) | Nucleus | Ribosome biogenesis |
| C.Elegans | Fal1p / eIF4A3 / DDX48 | [F33D11.10](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_Fal1p-eIF4A3-DDX48.html) |  |  |
| D.Melanogaster | Fal1p / eIF4A3 / DDX48 | [eIF4A-III CG7483](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_Fal1p-eIF4A3-DDX48.html) | Nucleus | mRNA splicing  RNA export |
| M.Musculus | Fal1p / eIF4A3 / DDX48 | [Eif4a-3 Ddx48](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_Fal1p-eIF4A3-DDX48.html) | Nucleus  Cytoplasm | mRNA splicing  RNA export  RNA decay |
| H.Sapiens | Fal1p / eIF4A3 / DDX48 | [EIF4A-3 DDX48](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_Fal1p-eIF4A3-DDX48.html) | Nucleus  Cytoplasm | pre-mRNA splicing RNA export Translation RNA decay Component of exon junction complex |
| S.Cerevisiae | Dhh1p / RCK / DDX6 | [Dhh1p YDL160C](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_Dhh1p-RCK-DDX6.html) | Cytoplasm  P-body | mRNA processing  Translation RNA export  RNA decay |
| C.Elegans | Dhh1p / RCK / DDX6 | [cgh-1](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_Dhh1p-RCK-DDX6.html) | Cytoplasm  P-granule |  |
| D.Melanogaster | Dhh1p / RCK / DDX6 | [me31B](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_Dhh1p-RCK-DDX6.html) | Cytoplasm  Endoplasmic reticulum  P-body | Translation  RNA decay |
| M.Musculus | Dhh1p / RCK / DDX6 | [Ddx6](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_Dhh1p-RCK-DDX6.html) | Nucleus  Cytoplasm  P-body | RNA decay |
| H.Sapiens | Dhh1p / RCK / DDX6 | [RCK p54 / DDX6](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_Dhh1p-RCK-DDX6.html) | Nucleus  Cytoplasm  P-body | RNA decay |
| X.Laevis | Dhh1p / RCK / DDX6 | [XP54](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_Dhh1p-RCK-DDX6.html) | Nucleus  Cytoplasm  P-body |  |
| S.Cerevisiae | Dbp5p / DDX19 / DDX25 | [Dbp5p YOR046C](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_Dbp5p-DDX19-DDX25.html) | Nucleus  Cytoplasm | RNA export Translation |
| C.Elegans | Dbp5p / DDX19 / DDX25 | [ddx-19 CELE\_T07D4.4](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_Dbp5p-DDX19-DDX25.html) |  |  |
| D.Melanogaster | Dbp5p / DDX19 / DDX25 | [Dbp80 / Dbp5 Hel40 / Hel80 CG17023](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_Dbp5p-DDX19-DDX25.html) | Nucleus  Cytoplasm | RNA export |
| M.Musculus | Dbp5p / DDX19 / DDX25 | [Ddx19a](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_Dbp5p-DDX19-DDX25.html) | Nucleus  Cytoplasm | RNA export |
| H.Sapiens | Dbp5p / DDX19 / DDX25 | [DDX19A](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_Dbp5p-DDX19-DDX25.html) | Nucleus  Cytoplasm | RNA export |
| M.Musculus | Dbp5p / DDX19 / DDX25 | [Ddx25](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_Dbp5p-DDX19-DDX25.html) | Nucleus  Cytoplasm | RNA export  Translation |
| H.Sapiens | Dbp5p / DDX19 / DDX25 | [DDX25](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_Dbp5p-DDX19-DDX25.html) | Nucleus  Cytoplasm | RNA export  Translation |
| S.Cerevisiae | Sub2p / UAP56 / DDX39 | [Sub2p YDL084W](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_Sub2p-UAP56-DDX39.html) | Nucleus | mRNA splicing RNA export |
| C.Elegans | Sub2p / UAP56 / DDX39 | [UAP56 hel-1 / C26D10.2](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_Sub2p-UAP56-DDX39.html) | Nucleus | mRNA splicing |
| D.Melanogaster | Sub2p / UAP56 / DDX39 | [HEL / UAP56 Hel25E / CG7269](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_Sub2p-UAP56-DDX39.html) | Nucleus | mRNA splicing |
| M.Musculus | Sub2p / UAP56 / DDX39 | [Uap56 Bat1 / Bat1a / Ddx39b](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_Sub2p-UAP56-DDX39.html) | Nucleus  Cytoplasm | mRNA splicing RNA export |
| H.Sapiens | Sub2p / UAP56 / DDX39 | [UAP56 BAT1 / DDX39B](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_Sub2p-UAP56-DDX39.html) | Nucleus  Cytoplasm | mRNA splicing RNA export |
| M.Musculus | Sub2p / UAP56 / DDX39 | [Ddx39a](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_Sub2p-UAP56-DDX39.html) | Nucleus  Cytoplasm | mRNA splicing RNA export |
| H.Sapiens | Sub2p / UAP56 / DDX39 | [DDX39A](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_Sub2p-UAP56-DDX39.html) | Nucleus  Cytoplasm | mRNA splicing RNA export |
| M.Musculus | Gemin3 / DDX20 | [Ddx20 Gemin-3](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_Gemin3-DDX20.html) | Nucleus  Cytoplasm | RNP biogenesis  mRNA splicing |
| H.Sapiens | Gemin3 / DDX20 | [DDX20 GEMIN-3](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_eIF4A_sG_Gemin3-DDX20.html) | Nucleus  Cytoplasm | RNP biogenesis  mRNA splicing |
| S.Cerevisiae | Has1p / DDX18 | [Has1p YMR290C](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Has1_sG_Has1p-DDX18.html) | Nucleus | Ribosome biogenesis  rRNA processing |
| C.Elegans | Has1p / DDX18 | [B0511.6](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Has1_sG_Has1p-DDX18.html) |  |  |
| D.Melanogaster | Has1p / DDX18 | [CG6375](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Has1_sG_Has1p-DDX18.html) | Nucleus | rRNA processing |
| M.Musculus | Has1p / DDX18 | [Ddx18](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Has1_sG_Has1p-DDX18.html) | Nucleus  Chromosome | rRNA processing |
| H.Sapiens | Has1p / DDX18 | [DDX18 MrdB](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Has1_sG_Has1p-DDX18.html) | Nucleus  Chromosome | rRNA processing |
| S.Cerevisiae | Dbp4p / DDX10 | [Dbp4p YJL033W](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Has1_sG_Dbp4p-DDX10.html) | Nucleus | Ribosome biogenesis  rRNA processing |
| C.Elegans | Dbp4p / DDX10 | [CELE\_Y23H5B.6](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Has1_sG_Dbp4p-DDX10.html) |  |  |
| D.Melanogaster | Dbp4p / DDX10 | [CG5800](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Has1_sG_Dbp4p-DDX10.html) |  |  |
| M.Musculus | Dbp4p / DDX10 | [Ddx10](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Has1_sG_Dbp4p-DDX10.html) | Nucleus | rRNA processing |
| H.Sapiens | Dbp4p / DDX10 | [DDX10](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Has1_sG_Dbp4p-DDX10.html) | Nucleus | rRNA processing |
| S.Cerevisiae | Spb4p / DDX55 | [Spb4p YFL002C](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Has1_sG_Spb4p-DDX55.html) | Nucleus | Ribosome biogenesis  rRNA processing |
| C.Elegans | Spb4p / DDX55 | [Ddx55 ZK512.2](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Has1_sG_Spb4p-DDX55.html) | Nucleus |  |
| D.Melanogaster | Spb4p / DDX55 | [Ddx55 CG9630](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Has1_sG_Spb4p-DDX55.html) | Nucleus |  |
| M.Musculus | Spb4p / DDX55 | [Ddx55](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Has1_sG_Spb4p-DDX55.html) | Nucleus  Cytoplasm |  |
| H.Sapiens | Spb4p / DDX55 | [DDX55](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Has1_sG_Spb4p-DDX55.html) | Nucleus  Cytoplasm |  |
| S.Cerevisiae | Dbp7p / DDX31 | [Dbp7p YKR024C](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Has1_sG_Dbp7p-DDX31.html) | Nucleus | Ribosome biogenesis  rRNA processing |
| D.Melanogaster | Dbp7p / DDX31 | [CG8611 BcDNA.GH02833](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Has1_sG_Dbp7p-DDX31.html) | Nucleus | Ribosome biogenesis |
| M.Musculus | Dbp7p / DDX31 | [Ddx31](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Has1_sG_Dbp7p-DDX31.html) | Nucleus | Ribosome biogenesis |
| H.Sapiens | Dbp7p / DDX31 | [DDX31](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Has1_sG_Dbp7p-DDX31.html) | Nucleus | Ribosome biogenesis |
| S.Cerevisiae | Rrp3p / DDX47 | [Rrp3p YHR065C](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Rrp3_sG_Rrp3p-DDX47.html) | Nucleus | Ribosome biogenesis  rRNA processing |
| C.Elegans | Rrp3p / DDX47 | [Ddx47 T26G10.1](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Rrp3_sG_Rrp3p-DDX47.html) | Nucleus | Ribosome biogenesis  rRNA processing |
| D.Melanogaster | Rrp3p / DDX47 | [CG9253](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Rrp3_sG_Rrp3p-DDX47.html) |  |  |
| M.Musculus | Rrp3p / DDX47 | [Ddx47](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Rrp3_sG_Rrp3p-DDX47.html) | Nucleus | mRNA splicing  rRNA processing |
| H.Sapiens | Rrp3p / DDX47 | [DDX47](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Rrp3_sG_Rrp3p-DDX47.html) | Nucleus | mRNA splicing  rRNA processing |
| S.Cerevisiae | Dbp8p / DDX49 | [Dbp8p YHR169](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Rrp3_sG_Dbp8p-DDX49.html) | Nucleus | Ribosome biogenesis  rRNA processing |
| C.Elegans | Dbp8p / DDX49 | [CELE\_H20J04.4](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Rrp3_sG_Dbp8p-DDX49.html) |  |  |
| D.Melanogaster | Dbp8p / DDX49 | [Dbp45A CG12759](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Rrp3_sG_Dbp8p-DDX49.html) | Nucleus | mRNA splicing  rRNA processing |
| M.Musculus | Dbp8p / DDX49 | [Ddx49](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Rrp3_sG_Dbp8p-DDX49.html) | Nucleus | rRNA processing |
| H.Sapiens | Dbp8p / DDX49 | [DDX49](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Rrp3_sG_Dbp8p-DDX49.html) | Nucleus | rRNA processing |
| S.Cerevisiae | Drs1p / DDX27 | [Drs1p YLL008W](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Rrp3_sG_Drs1p-DDX27.html) | Nucleus | Ribosome biogenesis  rRNA processing |
| C.Elegans | Drs1p / DDX27 | [CELE\_Y71G12B.8](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Rrp3_sG_Drs1p-DDX27.html) |  |  |
| D.Melanogaster | Drs1p / DDX27 | [CG2173](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Rrp3_sG_Drs1p-DDX27.html) |  |  |
| M.Musculus | Drs1p / DDX27 | [Ddx27](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Rrp3_sG_Drs1p-DDX27.html) | Nucleus  Chromosome | Ribosome biogenesis  rRNA processing |
| H.Sapiens | Drs1p / DDX27 | [DDX27](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Rrp3_sG_Drs1p-DDX27.html) | Nucleus  Chromosome | Ribosome biogenesis  rRNA processing |
| S.Cerevisiae | Dbp10p / DDX54 | [Dbp10p YDL031W](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Rrp3_sG_Dbp10p-DDX54.html) | Nucleus | Ribosome biogenesis  rRNA processing |
| C.Elegans | Dbp10p / DDX54 | [CELE\_Y94H6A.5](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Rrp3_sG_Dbp10p-DDX54.html) |  |  |
| D.Melanogaster | Dbp10p / DDX54 | [CG32344 / CG6994 LD28101p](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Rrp3_sG_Dbp10p-DDX54.html) |  |  |
| M.Musculus | Dbp10p / DDX54 | [Ddx54](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Rrp3_sG_Dbp10p-DDX54.html) | Nucleus | Transcription  rRNA processing |
| H.Sapiens | Dbp10p / DDX54 | [DDX54](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Rrp3_sG_Dbp10p-DDX54.html) | Nucleus | Transcription  rRNA processing |
| S.Cerevisiae | Dbp3p | [Dbp3p YGL078C](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_Dbp3p.html) | Nucleus | Ribosome biogenesis |
| S.Cerevisiae | Ded1p / DDX3 / Dbp1p | [Ded1p YOR204W](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_Ded1p-DDX3-Dbp1p.html) | Cytoplasm | pre-mRNA splicing Ribosome biogenesis Translation |
| C.Elegans | Ded1p / DDX3 / Dbp1p | [Y71H2AM.19](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_Ded1p-DDX3-Dbp1p.html) | Nucleus  Cytoplasm  Inflammasome  Cell Membrane | Transcription  Translation |
| D.Melanogaster | Ded1p / DDX3 / Dbp1p | [Ddx3 CG9748 / bel](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_Ded1p-DDX3-Dbp1p.html) | Cytoplasm | RNA-mediated gene silencing |
| M.Musculus | Ded1p / DDX3 / Dbp1p | [Ddx3x](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_Ded1p-DDX3-Dbp1p.html) | Nucleus  Cytoplasm  Inflammasome  Cell Membrane | Innate immunity  Ribosome biogenesis  Transcription  Translation |
| H.Sapiens | Ded1p / DDX3 / Dbp1p | [DDX3X](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_Ded1p-DDX3-Dbp1p.html) | Nucleus  Cytoplasm  Inflammasome  Cell Membrane  Cytoskeleton | Innate immunity  Ribosome biogenesis  Transcription  Translation  RNA export mRNA splicing |
| S.Cerevisiae | Ded1p / DDX3 / Dbp1p | [Dbp1p YPL119C](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_Ded1p-DDX3-Dbp1p.html) | Cytoplasm | pre-mRNA splicing Ribosome biogenesis Translation |
| M.Musculus | Ded1p / DDX3 / Dbp1p | [Ddx3y](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_Ded1p-DDX3-Dbp1p.html) | Nucleus  Cytoplasm |  |
| H.Sapiens | Ded1p / DDX3 / Dbp1p | [DDX3Y](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_Ded1p-DDX3-Dbp1p.html) | Nucleus  Cytoplasm | RNA export Translation pre-mRNA splicing |
| M.Musculus | Ded1p / DDX3 / Dbp1p | [Pl10 D1Pas1](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_Ded1p-DDX3-Dbp1p.html) | Nucleus |  |
| C.Elegans | Vasa / DDX4 | [Vasa Isoform A vbh-1 / CELE\_Y54E10A.9](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_Vasa-DDX4.html) |  |  |
| C.Elegans | Vasa / DDX4 | [Vasa Isoform B vbh-1 / CELE\_Y54E10A.9](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_Vasa-DDX4.html) |  |  |
| C.Elegans | Vasa / DDX4 | [Vasa Isoform C vbh-1 / CELE\_Y54E10A.9](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_Vasa-DDX4.html) |  |  |
| D.Melanogaster | Vasa / DDX4 | [Vasa CG46283](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_Vasa-DDX4.html) | Cytoplasm | Translation |
| M.Musculus | Vasa / DDX4 | [Ddx4](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_Vasa-DDX4.html) | Cytoplasm | RNA-mediated gene silencing |
| H.Sapiens | Vasa / DDX4 | [DDX4](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_Vasa-DDX4.html) | Cytoplasm | RNA-mediated gene silencing |
| D.Melanogaster | DDX53 | [CG7878](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_DDX53.html) |  |  |
| H.Sapiens | DDX53 | [DDX53 CAGE](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_DDX53.html) | Nucleus |  |
| H.Sapiens | DDX43 / HAGE | [DDX43 HAGE](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_DDX43-(HAGE).html) | Nucleus |  |
| S.Cerevisiae | p68/72 / DDX5/17 / Dbp2p | [Dbp2p YNL112W](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_p68-72-DDX5-17-Dbp2p.html) | Nucleus  Cytoplasm | Ribosome biogenesis  rRNA processing  RNA decay |
| D.Melanogaster | p68/72 / DDX5/17 / Dbp2p | [Rm62 CG10279 Dmp68 / p62](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_p68-72-DDX5-17-Dbp2p.html) | Nucleus  Cytoplasm | Antiviral defense  Immunity  mRNA splicing  RNA-mediated gene silencing  Translation |
| M.Musculus | p68/72 / DDX5/17 / Dbp2p | [Ddx5 p68](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_p68-72-DDX5-17-Dbp2p.html) | Nucleus  Cytoplasm | mRNA splicing  Transcription |
| H.Sapiens | p68/72 / DDX5/17 / Dbp2p | [DDX5 p68](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_p68-72-DDX5-17-Dbp2p.html) | Nucleus  Cytoplasm | mRNA splicing  Transcription RNA decay |
| M.Musculus | p68/72 / DDX5/17 / Dbp2p | [Ddx17 p72](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_p68-72-DDX5-17-Dbp2p.html) | Nucleus  Cytoplasm | Antiviral defense  Immunity  mRNA splicing  rRNA processing  RNA-mediated gene silencing  Transcription |
| H.Sapiens | p68/72 / DDX5/17 / Dbp2p | [DDX17 p72](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_p68-72-DDX5-17-Dbp2p.html) | Nucleus  Cytoplasm | Antiviral defense  Immunity  mRNA splicing  rRNA processing  RNA-mediated gene silencing  RNA decay  Transcription |
| C.Elegans | DDX42 / SF3b125 | [C46F11.4](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_DDX42-SF3b125.html) |  |  |
| D.Melanogaster | DDX42 / SF3b125 | [CG6418](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_DDX42-SF3b125.html) |  |  |
| M.Musculus | DDX42 / SF3b125 | [Ddx42](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_DDX42-SF3b125.html) | Nucleus  Cytoplasm | mRNA splicing |
| H.Sapiens | DDX42 / SF3b125 | [DDX42 SF3b125](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_DDX42-SF3b125.html) | Nucleus  Cytoplasm | mRNA splicing |
| S.Cerevisiae | Prp28p / DDX23 | [Prp28p YDR243C](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_Prp28p-DDX23.html) | Nucleus  Cytoplasm | mRNA splicing |
| C.Elegans | Prp28p / DDX23 | [CELE\_F01F1.7](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_Prp28p-DDX23.html) |  |  |
| D.Melanogaster | Prp28p / DDX23 | [CG10333 RH55640p](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_Prp28p-DDX23.html) |  |  |
| M.Musculus | Prp28p / DDX23 | [Ddx23](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_Prp28p-DDX23.html) |  |  |
| H.Sapiens | Prp28p / DDX23 | [DDX23](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_Prp28p-DDX23.html) | Nucleus  Chromosome | mRNA splicing |
| S.Cerevisiae | Prp5 / DDX46 | [Prp5p YBR237W](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_Prp5-DDX46.html) | Nucleus | mRNA splicing |
| C.Elegans | Prp5 / DDX46 | [CELE\_F53H1.1](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_Prp5-DDX46.html) |  |  |
| D.Melanogaster | Prp5 / DDX46 | [CG6227](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_Prp5-DDX46.html) |  |  |
| M.Musculus | Prp5 / DDX46 | [Ddx46](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_Prp5-DDX46.html) | Nucleus | mRNA splicing |
| H.Sapiens | Prp5 / DDX46 | [DDX46](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_Prp5-DDX46.html) | Nucleus | mRNA splicing |
| C.Elegans | Abstrakt / DDX41 | [CELE\_H27M09.1](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_Abstrakt-DDX41.html) |  |  |
| D.Melanogaster | Abstrakt / DDX41 | [abstrakt CG14637](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_Abstrakt-DDX41.html) | Nucleus | mRNA splicing |
| M.Musculus | Abstrakt / DDX41 | [Ddx41](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_Abstrakt-DDX41.html) | Nucleus | mRNA splicing |
| H.Sapiens | Abstrakt / DDX41 | [DDX41](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Ded1-p68_sG_Abstrakt-DDX41.html) | Nucleus | mRNA splicing |
| S.Cerevisiae | Dbp9p / DDX56 | [DBP9 YLR276C](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Dbp9-Dbp6_sG_Dbp9p-DDX56.html) | Nucleus | Ribosome biogenesis  rRNA processing |
| C.Elegans | Dbp9p / DDX56 | [C24H12.4](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Dbp9-Dbp6_sG_Dbp9p-DDX56.html) |  |  |
| D.Melanogaster | Dbp9p / DDX56 | [CG1666 Hlc](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Dbp9-Dbp6_sG_Dbp9p-DDX56.html) |  |  |
| M.Musculus | Dbp9p / DDX56 | [Ddx56](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Dbp9-Dbp6_sG_Dbp9p-DDX56.html) | Nucleus | Ribosome biogenesis  rRNA processing |
| H.Sapiens | Dbp9p / DDX56 | [DDX56](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Dbp9-Dbp6_sG_Dbp9p-DDX56.html) | Nucleus | Ribosome biogenesis  rRNA processing |
| S.Cerevisiae | Dbp6p / DDX51 | [Dbp6p YNR038W](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Dbp9-Dbp6_sG_Dbp6p-DDX51.html) | Nucleus | Ribosome biogenesis  rRNA processing |
| C.Elegans | Dbp6p / DDX51 | [ZK686.2](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Dbp9-Dbp6_sG_Dbp6p-DDX51.html) | Nucleus |  |
| D.Melanogaster | Dbp6p / DDX51 | [Dbp73D CG9680](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Dbp9-Dbp6_sG_Dbp6p-DDX51.html) | Nucleus | rRNA processing |
| M.Musculus | Dbp6p / DDX51 | [Ddx51](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Dbp9-Dbp6_sG_Dbp6p-DDX51.html) | Nucleus | Ribosome biogenesis  rRNA processing |
| H.Sapiens | Dbp6p / DDX51 | [DDX51](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_Dbp9-Dbp6_sG_Dbp6p-DDX51.html) | Nucleus | Ribosome biogenesis  rRNA processing |
| M.Musculus | DDX21 / DDX50 / RH-Gu | [Ddx21 RH II/Gu Gu-alpha](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_RH-Gu_sG_DDX21-DDX50-RH-Gu.html) | Nucleus  Cytoplasm  Mitochondrion | Antiviral defense  Innate immunity  rRNA processing  Transcription |
| H.Sapiens | DDX21 / DDX50 / RH-Gu | [DDX21 RH II/Gu](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_RH-Gu_sG_DDX21-DDX50-RH-Gu.html) | Nucleus  Cytoplasm  Mitochondrion | Antiviral defense  Innate immunity  rRNA processing  Transcription  Ribosome biogenesis |
| M.Musculus | DDX21 / DDX50 / RH-Gu | [Ddx50 RH II/Gu Gu-beta](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_RH-Gu_sG_DDX21-DDX50-RH-Gu.html) | Nucleus |  |
| H.Sapiens | DDX21 / DDX50 / RH-Gu | [DDX50 Gu-beta](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G_RH-Gu_sG_DDX21-DDX50-RH-Gu.html) | Nucleus | Ribosome biogenesis |
| C.Elegans | DDX1 | [CELE\_Y55F3BR.1](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G__sG_DDX1.html) |  |  |
| D.Melanogaster | DDX1 | [CG9054](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G__sG_DDX1.html) | Nucleus | Ribosome biogenesis |
| M.Musculus | DDX1 | [Ddx1](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G__sG_DDX1.html) | Nucleus  Cytoplasm  Mitochondrion | Antiviral defense  Innate immunity  mRNA processing  Transcription |
| H.Sapiens | DDX1 | [DDX1](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G__sG_DDX1.html) | Nucleus  Cytoplasm  Mitochondrion | Antiviral defense  Innate immunity  Host-virus interaction  mRNA processing  Transcription |
| S.Cerevisiae | Mak5p / DDX24 | [Mak5p YBR1119](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G__sG_Mak5p-DDX24.html) | Nucleus | Ribosome biogenesis  rRNA processing |
| C.Elegans | Mak5p / DDX24 | [CELE\_F55F8.2](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G__sG_Mak5p-DDX24.html) |  |  |
| D.Melanogaster | Mak5p / DDX24 | [CG9143p](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G__sG_Mak5p-DDX24.html) |  |  |
| M.Musculus | Mak5p / DDX24 | [Ddx24](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G__sG_Mak5p-DDX24.html) | Nucleus |  |
| H.Sapiens | Mak5p / DDX24 | [DDX24](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G__sG_Mak5p-DDX24.html) | Nucleus |  |
| M.Musculus | DDX59 | [Ddx59](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G__sG_DDX59.html) | Nucleus  Cytoplasm |  |
| H.Sapiens | DDX59 | [DDX59](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G__sG_DDX59.html) | Nucleus  Cytoplasm |  |
| S.Cerevisiae | Rok1p / DDX52 | [Rok1p YGL171W](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G__sG_Rok1p-DDX52.html) | Nucleus | Ribosome biogenesis  rRNA processing |
| C.Elegans | Rok1p / DDX52 | [CELE\_R05D11.4](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G__sG_Rok1p-DDX52.html) |  |  |
| D.Melanogaster | Rok1p / DDX52 | [CG5589](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G__sG_Rok1p-DDX52.html) |  |  |
| M.Musculus | Rok1p / DDX52 | [Ddx52](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G__sG_Rok1p-DDX52.html) | Nucleus | rRNA processing |
| H.Sapiens | Rok1p / DDX52 | [DDX52](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G__sG_Rok1p-DDX52.html) | Nucleus | rRNA processing |
| D.Melanogaster | DDX28 | [CG3561](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G__sG_DDX28.html) |  |  |
| M.Musculus | DDX28 | [Ddx28](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G__sG_DDX28.html) | Nucleus  Mitochondrion | Mitochondrial RNA processing  Mitochondrial ribosome biogenesis |
| H.Sapiens | DDX28 | [DDX28](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G__sG_DDX28.html) | Nucleus  Mitochondrion | Mitochondrial RNA processing  Mitochondrial ribosome biogenesis |
| S.Cerevisiae | Mss116p | [Mss116 YDR194C](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G__sG_Mss116p.html) | Mitochondrion | Mitochondrial RNA processing  mRNA splicing  Translation |
| S.Cerevisiae | Mrh4p | [Mrh4p YGL064C](https://rnahelicasedb.github.io/euk_dead/D_Eukaryota_F_DEAD-box_G__sG_Mrh4p.html) | Mitochondrion | Mitochondrial RNA processing |
| B.Subtilis | YdbR / CsdA | [YdbR](https://rnahelicasedb.github.io/bac_dead/D_Bacteria_F_DEAD-box_G__sG_.html) | Cytoplasm | Ribosomal large subunit assembly RNA catabolic process |
| E.Coli | YdbR / CsdA | [CsdA](https://rnahelicasedb.github.io/bac_dead/D_Bacteria_F_DEAD-box_G__sG_.html) | Cytoplasm | Ribosomal large subunit assembly RNA catabolic process |
| B.Subtilis | YxiN / DbpA | [YxiN](https://rnahelicasedb.github.io/bac_dead/D_Bacteria_F_DEAD-box_G__sG_.html) | Cytoplasm | Ribosomal large subunit assembly |
| E.Coli | YxiN / DbpA | [DbpA](https://rnahelicasedb.github.io/bac_dead/D_Bacteria_F_DEAD-box_G__sG_.html) | Cytoplasm | Ribosomal large subunit assembly |
| E.Coli |  | [RhlB](https://rnahelicasedb.github.io/bac_dead/D_Bacteria_F_DEAD-box_G__sG_.html) | Cytoplasm | RNA catabolic process |
| E.Coli |  | [RhlE](https://rnahelicasedb.github.io/bac_dead/D_Bacteria_F_DEAD-box_G__sG_.html) | Cytoplasm | Ribosome assembly |
| E.coli |  | [SrmB](https://rnahelicasedb.github.io/bac_dead/D_Bacteria_F_DEAD-box_G__sG_.html) | Cytoplasm | Ribosomal large subunit assembly |
| B.Subtilis |  | [YfmL](https://rnahelicasedb.github.io/bac_dead/D_Bacteria_F_DEAD-box_G__sG_.html) | Cytoplasm | Ribosomal large subunit assembly |
| B.Subtilis |  | [YqfR](https://rnahelicasedb.github.io/bac_dead/D_Bacteria_F_DEAD-box_G__sG_.html) | Cytoplasm | Ribosome biogenesis |
| S.Cerevisiae | Prp2p / DHX16 | [Prp2p YNR011C](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_Spliceosomal-DEAH_sG_Prp2p-DHX16.html) | Nucleus | mRNA splicing |
| C.Elegans | Prp2p / DHX16 | [DHX16 mog-4](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_Spliceosomal-DEAH_sG_Prp2p-DHX16.html) | Nucleus | mRNA splicing |
| D.Melanogaster | Prp2p / DHX16 | [CG10689](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_Spliceosomal-DEAH_sG_Prp2p-DHX16.html) |  |  |
| M.Musculus | Prp2p / DHX16 | [Dhx16](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_Spliceosomal-DEAH_sG_Prp2p-DHX16.html) |  |  |
| H.Sapiens | Prp2p / DHX16 | [DHX16](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_Spliceosomal-DEAH_sG_Prp2p-DHX16.html) | Nucleus | mRNA splicing |
| S.Cerevisiae | Prp16p / DHX38 | [Prp16 YKR086W](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_Spliceosomal-DEAH_sG_Prp16p-DHX38.html) | Nucleus | mRNA splicing |
| C.Elegans | Prp16p / DHX38 | [Mog-1](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_Spliceosomal-DEAH_sG_Prp16p-DHX38.html) | Nucleus | mRNA splicing |
| D.Melanogaster | Prp16p / DHX38 | [CG32604](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_Spliceosomal-DEAH_sG_Prp16p-DHX38.html) |  |  |
| M.Musculus | Prp16p / DHX38 | [Ddx38](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_Spliceosomal-DEAH_sG_Prp16p-DHX38.html) |  |  |
| H.Sapiens | Prp16p / DHX38 | [DDX38 PRP16](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_Spliceosomal-DEAH_sG_Prp16p-DHX38.html) | Nucleus | mRNA splicing |
| S.Cerevisiae | Prp22p / DHX8 | [Prp22p YER013W](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_Spliceosomal-DEAH_sG_Prp22p-DHX8.html) | Nucleus | mRNA splicing |
| C.Elegans | Prp22p / DHX8 | [mog-5](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_Spliceosomal-DEAH_sG_Prp22p-DHX8.html) | Nucleus | mRNA splicing |
| D.Melanogaster | Prp22p / DHX8 | [CG8241](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_Spliceosomal-DEAH_sG_Prp22p-DHX8.html) | Nucleus | mRNA splicing |
| M.Musculus | Prp22p / DHX8 | [Dhx8](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_Spliceosomal-DEAH_sG_Prp22p-DHX8.html) | Nucleus | mRNA splicing |
| H.Sapiens | Prp22p / DHX8 | [DHX8 HRH1](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_Spliceosomal-DEAH_sG_Prp22p-DHX8.html) | Nucleus | mRNA splicing |
| S.Cerevisiae | Prp43p / DHX15 | [Prp43p YGL120C](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_Spliceosomal-DEAH_sG_Prp43p-DHX15.html) | Nucleus | mRNA splicing |
| C.Elegans | Prp43p / DHX15 | [F56D2.6](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_Spliceosomal-DEAH_sG_Prp43p-DHX15.html) | Nucleus | mRNA splicing |
| D.Melanogaster | Prp43p / DHX15 | [CG11107](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_Spliceosomal-DEAH_sG_Prp43p-DHX15.html) |  |  |
| M.Musculus | Prp43p / DHX15 | [Dhx15](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_Spliceosomal-DEAH_sG_Prp43p-DHX15.html) | Nucleus | mRNA splicing |
| H.Sapiens | Prp43p / DHX15 | [DHX15](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_Spliceosomal-DEAH_sG_Prp43p-DHX15.html) | Nucleus | Ribosome biogenesis |
| C.Elegans | DHX35 | [DHX35](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_Spliceosomal-DEAH_sG_DHX35.html) | Nucleus |  |
| D.Melanogaster | DHX35 |  |  |  |
| M.Musculus | DHX35 | [Dhx35](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_Spliceosomal-DEAH_sG_DHX35.html) |  |  |
| H.Sapiens | DHX35 | [DHX35](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_Spliceosomal-DEAH_sG_DHX35.html) | Nucleus | mRNA splicing |
| C.Elegans | RNA-helicase-A / DHX9 | [DHX9 rha-1](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_RHA-Group_sG_RNA-helicase-A-DHX9.html) | Nucleus  Cytoplasm  Cytoskeleton | mRNA splicing  RNA export  RNA-mediated gene silencing  Transcription  Translation |
| D.Melanogaster | RNA-helicase-A / DHX9 | [MLE CG11680](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_RHA-Group_sG_RNA-helicase-A-DHX9.html) | Nucleus  Chromosome | mRNA splicing  Transcription  Translation |
| M.Musculus | RNA-helicase-A / DHX9 | [Dhx9 mHEL-5 / NDH2](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_RHA-Group_sG_RNA-helicase-A-DHX9.html) | Nucleus  Cytoplasm  Cytoskeleton | mRNA splicing  RNA export  RNA-mediated gene silencing  Transcription  Translation  Innate immunity  Inflammatory response |
| H.Sapiens | RNA-helicase-A / DHX9 | [DHX9 LKP, NDH2](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_RHA-Group_sG_RNA-helicase-A-DHX9.html) | Nucleus  Cytoplasm  Cytoskeleton | mRNA splicing  RNA export  RNA-mediated gene silencing  Transcription  Translation  Innate immunity  Inflammatory response |
| B.Taurus | RNA-helicase-A / DHX9 | [DHX9 NDH2](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_RHA-Group_sG_RNA-helicase-A-DHX9.html) | Nucleus  Cytoplasm  Cytoskeleton | mRNA splicing  RNA export  RNA-mediated gene silencing  Transcription  Translation  Innate immunity  Inflammatory response |
| S.Cerevisiae | DHX29 | [YLR419W](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_RHA-Group_sG_DHX29.html) | Cytoplasm |  |
| D.Melanogaster | DHX29 | [CG9323](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_RHA-Group_sG_DHX29.html) |  |  |
| M.Musculus | DHX29 | [Dhx29](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_RHA-Group_sG_DHX29.html) |  |  |
| H.Sapiens | DHX29 | [DHX29](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_RHA-Group_sG_DHX29.html) |  |  |
| D.Melanogaster | DHX57 | [CG1582](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_RHA-Group_sG_DHX57.html) |  |  |
| M.Musculus | DHX57 | [Dhx57](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_RHA-Group_sG_DHX57.html) |  |  |
| H.Sapiens | DHX57 | [DHX57](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_RHA-Group_sG_DHX57.html) |  |  |
| M.Musculus | DHX36 | [Dhx36](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_RHA-Group_sG_DHX36.html) |  |  |
| H.Sapiens | DHX36 | [DHX36](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_RHA-Group_sG_DHX36.html) | Nucleus  Cytoplasm  Mitochondrion  Chromosome | RNA decay  Transcription  Translation  Innate immunity |
| M.Musculus | DHX30 | [Dhx30](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_RHA-Group_sG_DHX30.html) | Cytoplasm  Mitochondrion | Ribosome biogenesis |
| H.Sapiens | DHX30 | [DHX30](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G_RHA-Group_sG_DHX30.html) | Cytoplasm  Mitochondrion | Ribosome biogenesis  RNA decay |
| D.Melanogaster | DHX33 | [CG4901](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G__sG_DHX33.html) |  |  |
| M.Musculus | DHX33 | [Dhx33](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G__sG_DHX33.html) | Nucleus  Cytoplasm  Inflammasome |  |
| H.Sapiens | DHX33 | [DHX33](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G__sG_DHX33.html) | Nucleus  Cytoplasm  Inflammasome |  |
| M.Musculus | DHX40 | [Dhx40](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G__sG_DHX40.html) | Nucleus | mRNA splicing |
| H.Sapiens | DHX40 | [DHX40](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G__sG_DHX40.html) | Nucleus | mRNA splicing |
| S.Cerevisiae | DHX37 | [Dhr1p ECM16, YMR128W](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G__sG_DHX37.html) | Nucleus | Ribosome biogenesis  rRNA processing |
| C.Elegans | DHX37 | [RHA-2](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G__sG_DHX37.html) | Nucleus | rRNA processing |
| D.Melanogaster | DHX37 | [KURZ CG3228](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G__sG_DHX37.html) | Nucleus | rRNA processing |
| M.Musculus | DHX37 | [Dhx37](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G__sG_DHX37.html) |  |  |
| H.Sapiens | DHX37 | [DHX37](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G__sG_DHX37.html) | Nucleus | rRNA processing |
| S.Cerevisiae | DHX32 | [Dhr2p YKL078W](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G__sG_DHX32.html) | Nucleus | Ribosome biogenesis  rRNA processing |
| M.Musculus | DHX32 | [Dhx32](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G__sG_DHX32.html) | Nucleus  Mitochondrion | Mitochondrial RNA processing |
| H.Sapiens | DHX32 | [DHX32](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G__sG_DHX32.html) | Nucleus  Mitochondrion | Mitochondrial RNA processing |
| C.Elegans | DHX34 | [smgl-2 CELE\_Y37E11AM.1](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G__sG_DHX34.html) |  |  |
| D.Melanogaster | DHX34 | [CG32533 / mRpS14](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G__sG_DHX34.html) |  |  |
| M.Musculus | DHX34 | [Dhx34](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G__sG_DHX34.html) |  | RNA decay |
| H.Sapiens | DHX34 | [DHX34](https://rnahelicasedb.github.io/euk_deah/D_Eukaryota_F_DEAH-RHA_G__sG_DHX34.html) |  | RNA decay |
| E.Coli |  | [HrpA](https://rnahelicasedb.github.io/bac_deah/D_Bacteria_F_DEAH-RHA_G__sG_.html) |  | mRNA processing |
| E.coli |  | [HrpB](https://rnahelicasedb.github.io/bac_deah/D_Bacteria_F_DEAH-RHA_G__sG_.html) |  |  |
| C.Elegans | RIG-I / DHX58 / MDA5 | [Drh-1](https://rnahelicasedb.github.io/rig_dexh/D_Eukaryota_F_RIG-I-Like-DExH_G__sG_RIG-I-DHX58-MDA5.html) |  |  |
| M.Musculus | RIG-I / DHX58 / MDA5 | [Rig-I Dhx58](https://rnahelicasedb.github.io/rig_dexh/D_Eukaryota_F_RIG-I-Like-DExH_G__sG_RIG-I-DHX58-MDA5.html) | Cytoplasm  Cytoskeleton  Cell membrane  Tight junction | Pattern recognition receptor of the innate immune system |
| H.Sapiens | RIG-I / DHX58 / MDA5 | [RIG-I DHX58](https://rnahelicasedb.github.io/rig_dexh/D_Eukaryota_F_RIG-I-Like-DExH_G__sG_RIG-I-DHX58-MDA5.html) | Cytoplasm  Cytoskeleton  Cell membrane  Tight junction | Pattern recognition receptor of the innate immune system |
| M.Musculus | RIG-I / DHX58 / MDA5 | [MDA5 Ifih1](https://rnahelicasedb.github.io/rig_dexh/D_Eukaryota_F_RIG-I-Like-DExH_G__sG_RIG-I-DHX58-MDA5.html) | Nucleus  Cytoplasm | Pattern recognition receptor of the innate immune system |
| H.Sapiens | RIG-I / DHX58 / MDA5 | [MDA5 IFIH1](https://rnahelicasedb.github.io/rig_dexh/D_Eukaryota_F_RIG-I-Like-DExH_G__sG_RIG-I-DHX58-MDA5.html) | Nucleus  Cytoplasm | Pattern recognition receptor of the innate immune system |
| M.Musculus | LGP2 | [Lgp2](https://rnahelicasedb.github.io/rig_dexh/D_Eukaryota_F_RIG-I-Like-DExH_G__sG_LGP2.html) | Cytoplasm | Role in innate immune system, but presumably not a pattern recognition receptor |
| H.Sapiens | LGP2 | [LGP2](https://rnahelicasedb.github.io/rig_dexh/D_Eukaryota_F_RIG-I-Like-DExH_G__sG_LGP2.html) | Cytoplasm | Role in innate immune system, but presumably not a pattern recognition receptor |
| C.Elegans | Dicer | [Dicer1 K12H4.8](https://rnahelicasedb.github.io/rig_dexh/D_Eukaryota_F_RIG-I-Like-DExH_G__sG_Dicer.html) | Nucleus  Cytoplasm | miRNA processing |
| D.Melanogaster | Dicer | [Dicer1 CG4792](https://rnahelicasedb.github.io/rig_dexh/D_Eukaryota_F_RIG-I-Like-DExH_G__sG_Dicer.html) |  | miRNA processing |
| D.Melanogaster | Dicer | [Dicer2 CG6493](https://rnahelicasedb.github.io/rig_dexh/D_Eukaryota_F_RIG-I-Like-DExH_G__sG_Dicer.html) |  | miRNA processing |
| M.Musculus | Dicer | [Dicer1](https://rnahelicasedb.github.io/rig_dexh/D_Eukaryota_F_RIG-I-Like-DExH_G__sG_Dicer.html) | Cytoplasm | miRNA processing |
| H.Sapiens | Dicer | [DICER1](https://rnahelicasedb.github.io/rig_dexh/D_Eukaryota_F_RIG-I-Like-DExH_G__sG_Dicer.html) | Cytoplasm | miRNA processing |
| S.Cerevisiae | FancM | [MPH1p](https://rnahelicasedb.github.io/rig_dexh/D_Eukaryota_F_RIG-I-Like-DExH_G__sG_FancM.html) | Nucleus | DNA repair |
| D.Melanogaster | FancM | [CG7922](https://rnahelicasedb.github.io/rig_dexh/D_Eukaryota_F_RIG-I-Like-DExH_G__sG_FancM.html) |  |  |
| M.Musculus | FancM | [FancM](https://rnahelicasedb.github.io/rig_dexh/D_Eukaryota_F_RIG-I-Like-DExH_G__sG_FancM.html) |  |  |
| H.Sapiens | FancM | [FANCM](https://rnahelicasedb.github.io/rig_dexh/D_Eukaryota_F_RIG-I-Like-DExH_G__sG_FancM.html) | Nucleus | DNA repair |
| S.Cerevisiae | Ski2p / Mtr4p | [Ski2p YLR398C](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G_Ski2_sG_Ski2p-Mtr4p.html) | Cytoplasm | Antiviral Defense  Cytoplasmic RNA decay  Translation |
| C.Elegans | Ski2p / Mtr4p | [CELE\_F01G4.3](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G_Ski2_sG_Ski2p-Mtr4p.html) |  |  |
| D.Melanogaster | Ski2p / Mtr4p | [Ski2 CG10210](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G_Ski2_sG_Ski2p-Mtr4p.html) |  |  |
| M.Musculus | Ski2p / Mtr4p | [Skiv2l](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G_Ski2_sG_Ski2p-Mtr4p.html) |  |  |
| H.Sapiens | Ski2p / Mtr4p | [SKIV2L SKI2W](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G_Ski2_sG_Ski2p-Mtr4p.html) | Nucleus  Cytoplasm | RNA decay |
| S.Cerevisiae | Ski2p / Mtr4p | [Mtr4p YJL050W](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G_Ski2_sG_Ski2p-Mtr4p.html) | Nucleus | Nuclear RNA decay Ribosome biogenesis  rRNA processing |
| C.Elegans | Ski2p / Mtr4p | [Mtr4](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G_Ski2_sG_Ski2p-Mtr4p.html) | Nucleus | rRNA processing |
| D.Melanogaster | Ski2p / Mtr4p | [CG4152](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G_Ski2_sG_Ski2p-Mtr4p.html) |  |  |
| M.Musculus | Ski2p / Mtr4p | [SK2L2 SkiV2l2](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G_Ski2_sG_Ski2p-Mtr4p.html) | Nucleus | mRNA splicing  rRNA processing |
| H.Sapiens | Ski2p / Mtr4p | [SK2L2 SKIV2L2](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G_Ski2_sG_Ski2p-Mtr4p.html) | Nucleus | mRNA splicing  rRNA processing |
| S.Cerevisiae | Brr2 / Slh1 | [Slh1p YGR271W](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G_Brr2_sG_Brr2-Slh1.html) | Cytoplasm | Antiviral defense  mRNA splicing  Translation |
| C.Elegans | Brr2 / Slh1 | [CELE\_Y54E2A.4](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G_Brr2_sG_Brr2-Slh1.html) |  |  |
| D.Melanogaster | Brr2 / Slh1 | [CG5205](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G_Brr2_sG_Brr2-Slh1.html) |  |  |
| M.Musculus | Brr2 / Slh1 | [Ascc3](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G_Brr2_sG_Brr2-Slh1.html) | Nucleus | DNA repair  Transcription |
| H.Sapiens | Brr2 / Slh1 | [ASCC3 HELC1](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G_Brr2_sG_Brr2-Slh1.html) | Nucleus | DNA repair  Transcription  mRNA splicing |
| S.Cerevisiae | Brr2 / Slh1 | [Brr2p YER172C](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G_Brr2_sG_Brr2-Slh1.html) | Nucleus | mRNA splicing  Transcription Translation |
| C.Elegans | Brr2 / Slh1 | [Y46G5A.4](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G_Brr2_sG_Brr2-Slh1.html) | Nucleus | mRNA splicing |
| D.Melanogaster | Brr2 / Slh1 | [CG5931](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G_Brr2_sG_Brr2-Slh1.html) | Nucleus | mRNA splicing |
| M.Musculus | Brr2 / Slh1 | [Snrnp200](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G_Brr2_sG_Brr2-Slh1.html) | Nucleus | mRNA splicing |
| H.Sapiens | Brr2 / Slh1 | [SNRNP200, ASCC3L1 U5-200KD](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G_Brr2_sG_Brr2-Slh1.html) | Nucleus | mRNA splicing |
| S.Cerevisiae | Hfm1p | [Hfm1p YGL251C, MER3](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G__sG_Hfm1p.html) | Nucleus | DNA recombination |
| H.Sapiens | Hfm1p | [HFM1 SEC3D1](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G__sG_Hfm1p.html) |  | DNA recombination |
| C.Elegans | Hel308 | [CELE\_Y55B1AL.3](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G__sG_Hel308.html) |  |  |
| D.Melanogaster | Hel308 | [CG7972](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G__sG_Hel308.html) |  | DNA repair DNA recombination |
| M.Musculus | Hel308 | [Hel308](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G__sG_Hel308.html) |  | DNA repair |
| H.Sapiens | Hel308 | [HEL308](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G__sG_Hel308.html) |  | DNA repair |
| C.Elegans | DHX60 | [C28H8.3](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G__sG_DHX60.html) | Nucleus |  |
| M.Musculus | DHX60 | [Dhx60](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G__sG_DHX60.html) |  |  |
| H.Sapiens | DHX60 | [DHX60](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G__sG_DHX60.html) | Cytoplasm | Antiviral defense  Innate immunity |
| S.Cerevisiae | Suv3p | [Suv3p YPL029W](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G__sG_Suv3p.html) | Mitochondrion | Mitochondrial RNA processing |
| C.Elegans | Suv3p | [Suv3 C08F8.2](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G__sG_Suv3p.html) | Nucleus  Mitochondrion | Mitochondrial RNA processing |
| D.Melanogaster | Suv3p | [Suv3 CG9791](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G__sG_Suv3p.html) | Mitochondrion | Mitochondrial RNA processing |
| M.Musculus | Suv3p | [Supv3l1](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G__sG_Suv3p.html) | Nucleus  Mitochondrion | Mitochondrial RNA processing |
| H.Sapiens | Suv3p | [SUPV3L1](https://rnahelicasedb.github.io/ski2_dexh/D_Eukaryota_F_Ski2-like-DExH_G__sG_Suv3p.html) | Nucleus  Mitochondrion | Mitochondrial RNA processing |
| Vaccinia Virus (Poxviridae) | Viral DExH | [NPH-II CVA083](https://rnahelicasedb.github.io/viral_dexh/D_Viruses_F_Viral-DExH_G_Poxviridae_sG_Poxviridae.html) | Virion |  |
| Variola Virus (Poxviridae) | Viral DExH | [NPH-II](https://rnahelicasedb.github.io/viral_dexh/D_Viruses_F_Viral-DExH_G_Poxviridae_sG_Poxviridae.html) | Virion |  |
| Fowlpox Virus (Poxviridae) | Viral DExH | [NTP2](https://rnahelicasedb.github.io/viral_dexh/D_Viruses_F_Viral-DExH_G_Poxviridae_sG_Poxviridae.html) | Virion | Transcription |
| Yellow Fever Virus (Flaviviridae) | Viral DExH | [NS3h CVA083](https://rnahelicasedb.github.io/viral_dexh/D_Viruses_F_Viral-DExH_G_Flaviviridae_sG_Flaviviridae.html) | Virion  Host nucleus  Host cytoplasm  Host endoplasmic reticulum | Host-virus interaction  Inhibition of host innate immunity  Viral RNA replication  Viral attachment to and entry into host cell |
| Dengue Fever Virus (Flaviviridae) | Viral DExH | [NS3h](https://rnahelicasedb.github.io/viral_dexh/D_Viruses_F_Viral-DExH_G_Flaviviridae_sG_Flaviviridae.html) | Virion  Host nucleus  Host endoplasmic reticulum | Host-virus interaction  Inhibition of host innate immunity  Viral RNA replication  Viral attachment to and entry into host cell |
| Hepatitis C Virus (Flaviviridae\*) | Viral DExH | [NS3h](https://rnahelicasedb.github.io/viral_dexh/D_Viruses_F_Viral-DExH_G_Flaviviridae_sG_Flaviviridae.html) | Virion | Host-virus interaction  Viral attachment to and entry into host cell |
| Plum-pox Virus (Potyviridae) | Viral DExH | [CI (Cytoplasmic inclusion protein)](https://rnahelicasedb.github.io/viral_dexh/D_Viruses_F_Viral-DExH_G_Potyviridae_sG_Potyviridae.html) | Virion | Viral RNA replication |
| Lily-motle Virus (Potyviridae) | Viral DExH | [CI (Cytoplasmic inclusion protein)](https://rnahelicasedb.github.io/viral_dexh/D_Viruses_F_Viral-DExH_G_Potyviridae_sG_Potyviridae.html) | Virion | Viral RNA replication |
| Turnip-Mosaic Virus (Potyviridae) | Viral DExH | [CI (Cytoplasmic inclusion protein)](https://rnahelicasedb.github.io/viral_dexh/D_Viruses_F_Viral-DExH_G_Potyviridae_sG_Potyviridae.html) | Virion | Viral RNA replication |

**SF-1 RNA Helicase: Summary Table**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Species** | **Group** | **Protein** | **Localization** | **Biological Process** |
| S.Cerevisiae |  | Sen1p | Nucleus | mRNA processing  rRNA processing  tRNA processing |
| D.Melanogaster |  | SETX | Nucleus |  |
| M.Musculus |  | SETX | Nucleus, Cytoplasm | DNA repair  DNA recombination |
| H.Sapiens |  | SETX | Nucleus, Cytoplasm | DNA repair  DNA recombination |
| C.Elegans |  | ZNFX1 | Cytoplasm | RNA-mediated gene silencing |
| D.Melanogaster |  | ZNFX1 | Nucleus |  |
| M.Musculus |  | ZNFX1 | Nucleus |  |
| H.Sapiens |  | ZNFX1  IBP160 | Nucleus | mRNA processing  mRNA splicing |
| S.Cerevisiae |  | Upf1p | Nucleus, Cytoplasm | Nonsense-mediated mRNA decay |
| D.Melanogaster |  | UPF1 | Cytoplasm |  |
| M.Musculus |  | UPF1 | Nucleus, Cytoplasm | Nonsense-mediated mRNA decay |
| H.Sapiens |  | UPF1 | Nucleus, Cytoplasm | Nonsense-mediated mRNA decay |
| S.Cerevisiae |  | Hcs1p | Nucleus, Cytoplasm |  |
| M.Musculus |  | IGHMBP2 | Nucleus, Cytoplasm | Transcription |
| H.Sapiens |  | IGHMBP2 | Nucleus, Cytoplasm | Transcription |
| S.Cerevisiae |  | Dna2p | Nucleus, Chromosome | DNA repair |
| C.Elegans |  | DNA2 | Nucleus | DNA repair  DNA replication |
| D.Melanogaster |  | DNA2 | Nucleus | DNA repair  DNA replication |
| M.Musculus |  | DNA2 | Nucleus, Mitochondria | DNA repair  DNA replication |
| H.Sapiens |  | DNA2 | Nucleus, Mitochondria | DNA repair  DNA replication |
| S.Cerevisiae |  | Mtt1p | Cytoplasm |  |
| D.Melanogaster |  | MOV10  HELZ | Cytoplasm | RNA-mediated gene silencing |
| M.Musculus |  | MOV10  MOV10L  HELZ | Nucleus, Cytoplasm | RNA-mediated gene silencing |
| H.Sapiens |  | MOV10  MOV10L  HELZ  PR285 | Nucleus, Cytoplasm | RNA-mediated gene silencing  Transcription  Transcription regulation |
| E.Coli |  | UL1 | Cytoplasm | rRNA processing  Translation |
| E.Coli |  | Z1202 |  |  |

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