Supplementary Table 1. Gene-disease associations.

Gene	**Potential involvement in diseases**	**Reference**
SFXN1	May be involved in cancer cell growth; sub-expressed in Alzheimer's, depression and dementia	(Minjarez et al., 2016; Fang et al., 2018; Kory et al., 2018)
SFXN2	May be involved in cancer cell growth	(Kory et al., 2018)
SFXN3	May be involved in cancer cell growth	(Labuschagne et al., 2014; Kory et al., 2018)
SFXN4	Mitochondrial disorders, complex I deficiency, macrocytic anemia, optic nerve hypoplasia	(Sofou et al., 2019)
TTYH1, TTYH2, TTYH3	Potentially associated with cerebral edema following excessive oxidative stress, ischemia, traumatic brain injury, and glioma	(Han et al., 2019)
TTYH2	Renal cell carcinoma, colon cancer	(Rae et al., 2001; Toiyama et al., 2007)
YIPF1A, YIPF1B	Possibly linked to motor neuron degeneration in amyotrophic lateral scleroses type 8	(Kuijpers et al., 2013)
YIPF4	Potential interaction with human papillomaviruses	(Shaik et al., 2019)
YIPF6	Prostate cancer	(Djusberg et al., 2017)
ARV1	Epilepsy, intellectual disabilities	(Piñero et al., 2020)
EBP	Cataracts, musculoskeletal diseases, intellectual disabilities	(Piñero et al., 2020)
DAGLA	Neurodegenerative disorders	(Piñero et al., 2020)
DUOXA2	Thyroid disorders	(Piñero et al., 2020)
PROM1	Macular degeneration, glioblastoma neoplasms	(Piñero et al., 2020)
OXA1L	Mitochondrial diseases	(Piñero et al., 2020)

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