HOKKAIDO UNIVERSITY

Title	U6 snRNA expression prevents toxicity in TDP-43-knockdown cells
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Citation	PLoS ONE, 12(11), e0187813 https://doi.org/10.1371/journal.pone.0187813
Issue Date	2017-11-10
Doc URL	https://hdl.handle.net/2115/67949
Rights(URL)	https://creativecommons.org/licenses/by/4.0/
Type	journal article
File Information	S1_Table.pdf

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A

Synthetic oligonucleotide for U6 snRNA expression plasmid	
Sense	5'-AGATCCCCGTGCTCGCTTCGGCAGCACATATACTAAAATTGGAACGATACAGAG AAGATTTAGCATGGCCCCTGCGCAAGGATGACACGCAAATTCGTGAAGCGTTCCAT ATTTTTAAGCTT-3'
Antisense	5'-AAGCTTAAAAATATGGAACGCTTCACGAATTTGCGTGTCATCCTTGCGCAGGGG CCATGCTAAATCTTCTCTGTATCGTTCCAATTTTAGTATATGTGCTGCCGAAGCGAG CACGGGGATCT-3'

B

Primers for PCR		
Transcript name	Forward primer	Reverse primer
U6 snRNA	5'-CTCGCTTCGGCAGCACATATACT-3'	5'-ACGCTTCACGAATTTGCGTGTC-3'
RPS18	5'-GGGCGGAGATATGCTCATGTG-3'	5'-TCTGGGATCTTGTACTGTCGT-3'
7SL RNA	5'-GGAGTTCTGGGCTGTAGTGC-3'	5'-ATCAGCACGGGAGTTTTGAC-3'
18S rRNA	5'-GTAACCCGTTGAACCCCATT-3'	5'-CCATCCAATCGGTAGTAGCG-3'
snoRNA 202	5'-AGTACTTTTGAACCCTTTTCC-3'	†Commercial primer
Sort1	5'-CAGGAGACAAATGCCAAGGT-3'	5'-TGGCCAGGATAATAGGGACA-3'
Dnajc5	5'-CTCTATGTGGCGGAGCAGTT-3'	5'-GCTGTATGACGATCGGTGTG-3'
Poldip3/Skar	5'-AGTACAGGATGCCAGGGAGA-3'	5'-GGAGAACAGGAGCGGTGTAG-3'
Madd	5'-CTGAGCTAGGCGGTGAGTTCCCT-3'	5'-GTACTTGTGGCTCACCACTTCTTTA-3'

S1 Table: List of synthetic oligonucleotides and PCR primers.

(A) Synthetic oligonucleotides used to construct the U6 snRNA expression plasmid. (B) PCR primers used to detect transcripts and small RNAs. † denotes a commercially available primer included in the Mir-X First Strand Synthesis Kit (TaKaRa).