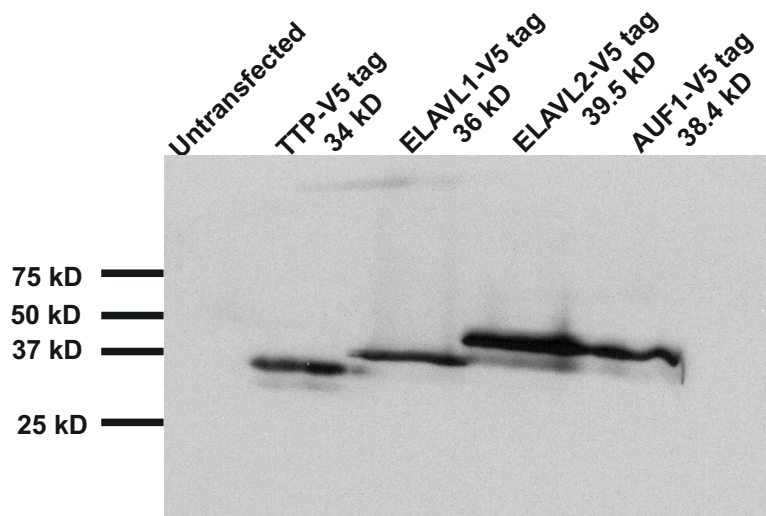


Kumar et al. Supplementary Table 1

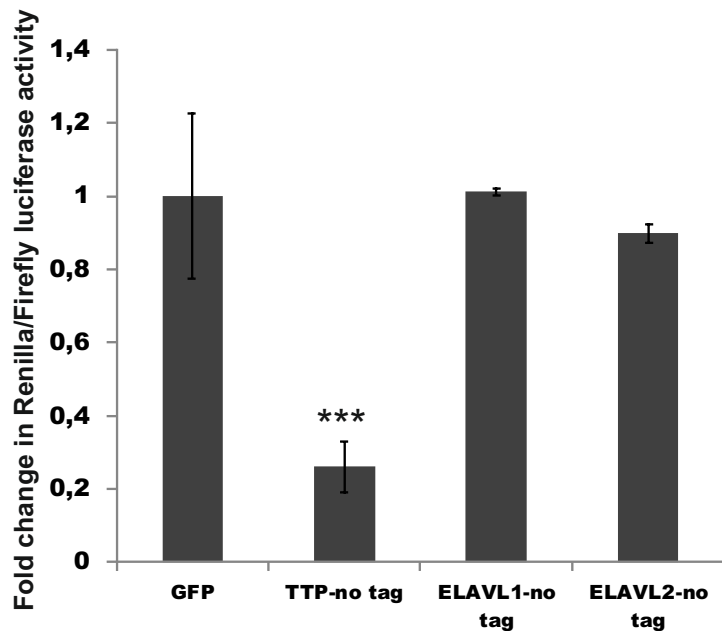
List of cloning and Q-PCR primers

Primers for cloning	Forward Primer	Reverse primer
<i>BDNF long 3' UTR-XbaI</i>	5'-TATTCTAGA AACTGACCATTA AAAAGGGGA AGATAGTGG-3'	5'-AAATCTAGATTACAATAGGCTTCTGAT GTGG-3'
<i>BDNF short 3' UTR-XbaI</i>	5'- GCATCTAGATGGATTTATGTTGTATAGATTATAT- 3'	5'- CAGTCTAGAATCTGTTTTCTGAAAGAGGGAC- 3'
<i>U1 fragment-XbaI</i>	5'- GCATCTAGATGGATTTATGTTGTATAGATTATAT- 3'	5'-AAATCTAGAGGTCATGGATATGTCCAA TAAAT-3'
<i>U2 fragment-XbaI</i>	5'-CGC TCT AGA GGA AAC AGT CAT TTG CGC A-3'	5'- CAGTCTAGAATCTGTTTTCTGAAAGAGGGAC- 3'
<i>TNF ARE-XbaI</i>	5'-TTTTCTAGAAGCCTTCCTCACAGAGCCAG-3'	5'-CCCTCTAGAGAAGACAGCTTCCCACAC TG-3'
Primers for Q-PCR	Forward Primer	Reverse primer
<i>Mus musculus ZFP36/TTP</i>	5'-TCTCTTACCAAGGCCATTC-3'	5'-ATCGACTGGAGGCTCTCG-3'
<i>Mus musculus ZFP36L1/BRF1</i>	5'-GCACAAGCACAACTTTCCGT-3'	5'-AATTGCAAGCGTGGAGGTTG-3'
<i>Mus musculus ZFP36L2/BRF2</i>	5'-GCACAAGCACAACTTTCCGT-3'	5'-AATTGCAAGCGTGGAGGTTG-3'
<i>Mus musculus actin, beta</i>	5'-CCAGTTCGCCATGGATGAC-3'	5'-GAGCCGTTGTGACGACC-3'
<i>Mus musculus BDNF (CDS, transcript variants 1-4)</i>	5'-TACCTGGATGCCGCAAACAT-3'	5'-GCTGTGACCCACTCGCTAAT-3'

a.



b.





Kumar et al. Supplementary Table 2

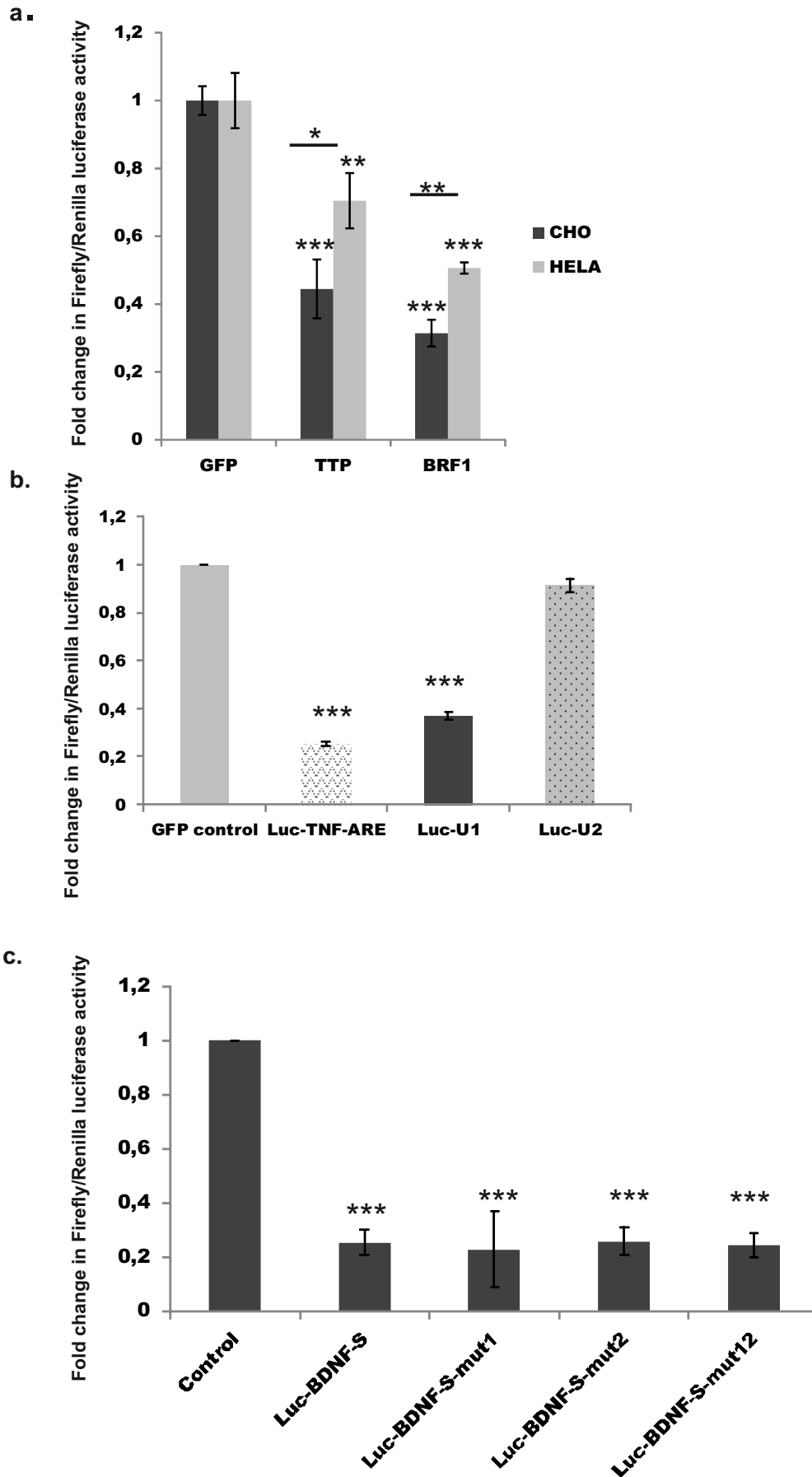
BDNF is co-expressed with ARE-BP-s in various tissues with known BDNF function.

mRNA	Brain*	Skeletal muscle	Heart**	Monocytes
BDNF	Yes	Yes	Yes	Yes
TTP	Yes	Yes	Yes	Yes
BRF1	Yes	Yes	Yes	Yes
BRF2	Yes	Yes	Yes	Yes
ELAVL1	Yes	Yes	Yes	Yes
ELAVL2	Yes	Yes	Yes	Yes
AUF1	Yes	Yes	Yes	Yes

\* BDNF is co-expressed with TTP, BRF1, BRF2, ELAVL1, ELAVL2 and AUF1 in prefrontal cortex, cingulate cortex, parietal lobe, temporal lobe, occipital lobe, ciliary ganglion, cerebellar peduncles, globus pallidus, olfactory bulb, thalamus, hypothalamus, subthalamic nucleus, caudate nucleus, amygdala, pons

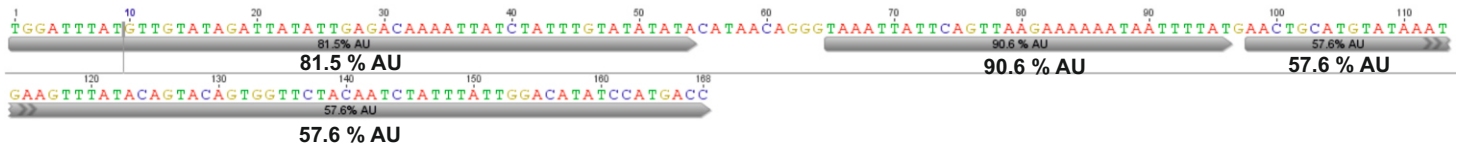
\*\* BDNF is co-expressed with TTP, BRF1, BRF2, ELAVL1, ELAVL2 and AUF1 in heart and in primary human cardiac myocytes

SOURCE: [www.Genecards.org](http://www.Genecards.org)

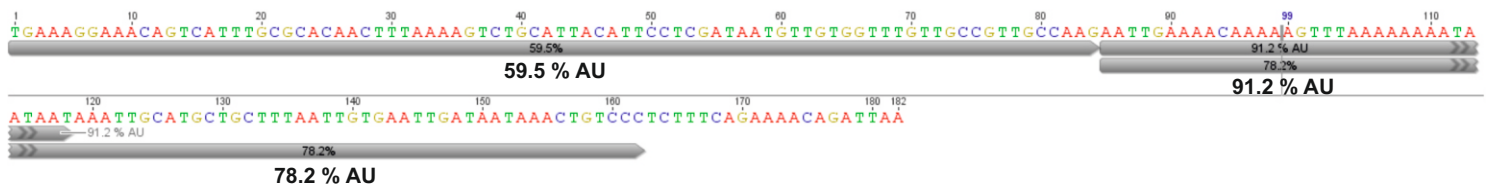


# Kumar et. al. Supplementary Figure 4

## U1



## U2



## TNF alpha ARE

