

Supplementary Data

Evolutionary conserved C-terminal region of FUS Gene

Human	R-G-E-H-R-Q-D- R -R-E-R-P-Y
Chimp	R-G-E-H-R-Q-D- R -R-E-R-P-Y
Macaque	R-G-E-H-R-Q-D- R -R-E-R-P-Y
Elephant	R-G-E-H-R-Q-D- R -R-E-R-P-Y
Chick	R-G-D-H-R-Q-D- R -R-E-R-P-Y
Cow	R-G-E-H-R-Q-D- R -R-E-R-P-Y
Rat	R-G-E-H-R-Q-D- R -R-E-R-P-Y
Mouse	R-G-E-H-R-Q-D- R -R-E-R-P-Y
Dog	R-G-E-H-R-Q-D- R -R-E-R-P-Y
Rabbit	R-G-E-H-R-Q-D- R -R-E-R-P-Y
Zebrafish	R-G-D-H-R- H -D- R -R- D -R-P-Y
Xenopus	R-G-D-H-R-Q-D- R -R- D -R-P-Y

SUPPLEMENTARY FIG. S1. Sequence alignment of C-terminal amino acids of Fused in sarcoma (FUS) from various species. The identical amino acids at position 521 highlighted in bold type.