

Table S1. Sources of fibroblasts examined in this work.

| Name in this study | Alternative Name | Company (Catalog ID) | Origin | Age | Gender | Disease |
|---------------------------|-------------------------|-----------------------------|---------------|------------|---------------|---|
| NL1 | AG05811 | Coriell | Skin | 71 Years | Female | Apparently Healthy |
| NL2 | AG08517 | Coriell | Skin | 66 Years | Female | Apparently Healthy |
| NL3 | AG09969 | Coriell | Skin | 53 Years | Male | Apparently Healthy |
| NL4 | AG11733 | Coriell | Skin | 70 Years | Female | Apparently Healthy |
| NL5 | AG12989 | Coriell | Skin | 47 Years | Male | Apparently Healthy |
| ALS1 | ND29563 | Coriell | Skin | 37 Years | Male | FUS: R522R |
| ALS2 | ND39027 | Coriell | Skin | 50 Years | Female | FUS: H517Q |
| ALS3 | ND40077 | Coriell | Skin | 47 Years | Female | FUS: R521G |
| ALS4 | ND29774 | Coriell | Skin | 68 Years | Female | SOD1: D90A |
| ALS5 | F09229 | Baloh Lab | Skin | 46 Years | Male | C9orf72 hexanucleotide repeat expansion (6-8kb expanded allele) |
| ALS6 | ND32947 | Coriell | Skin | 64 Years | Male | TDP43: G298S |
| ALS7 | C9-4 | Corey Lab | Skin | 61 Years | Male | C9orf72 hexanucleotide repeat expansion, Bulbar |
| ALS8 | C9-5 | Corey Lab | Skin | 69 Years | Female | C9orf72 hexanucleotide repeat expansion, Bulbar, FTD suspected |