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**Figure S1.** The conserved region common to all SOD2 variants spans from amino acid 46 until 76 (black box) which is aligned with nucleotide 238-282 within exon 2 of human SOD2 gene (<https://www.ncbi.nlm.nih.gov/nuccore/NM_000636.4>). Transcript variant 1 was used as the wild-type sequence.