**A screenshot of a computer code

Description automatically generated**

**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.