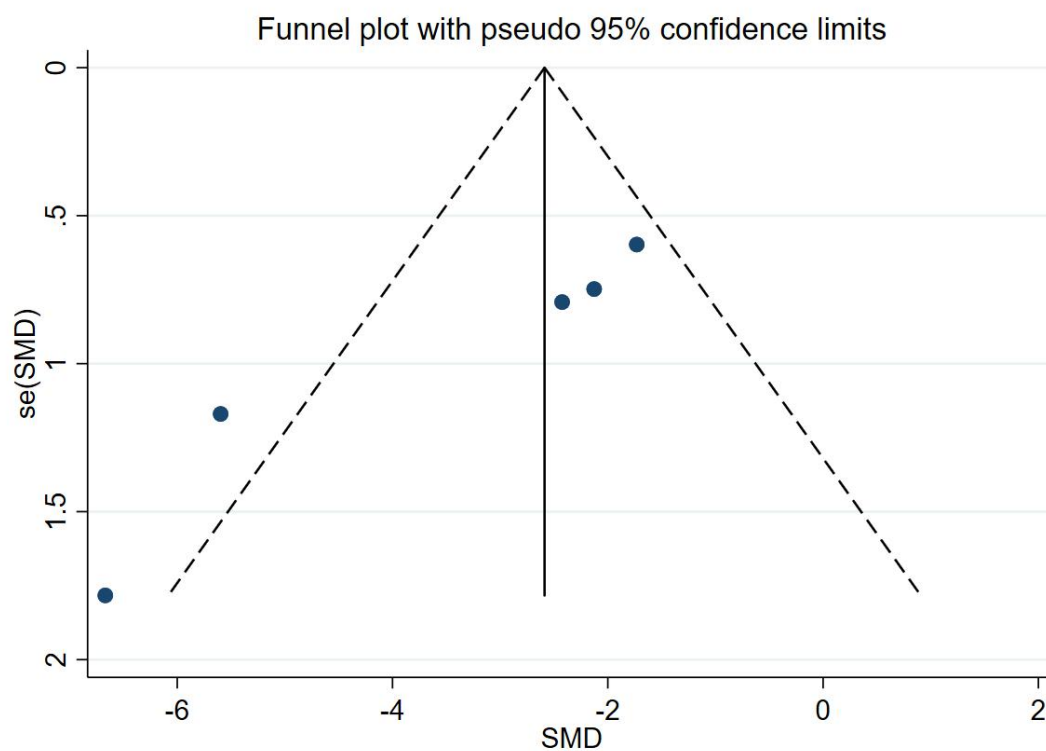
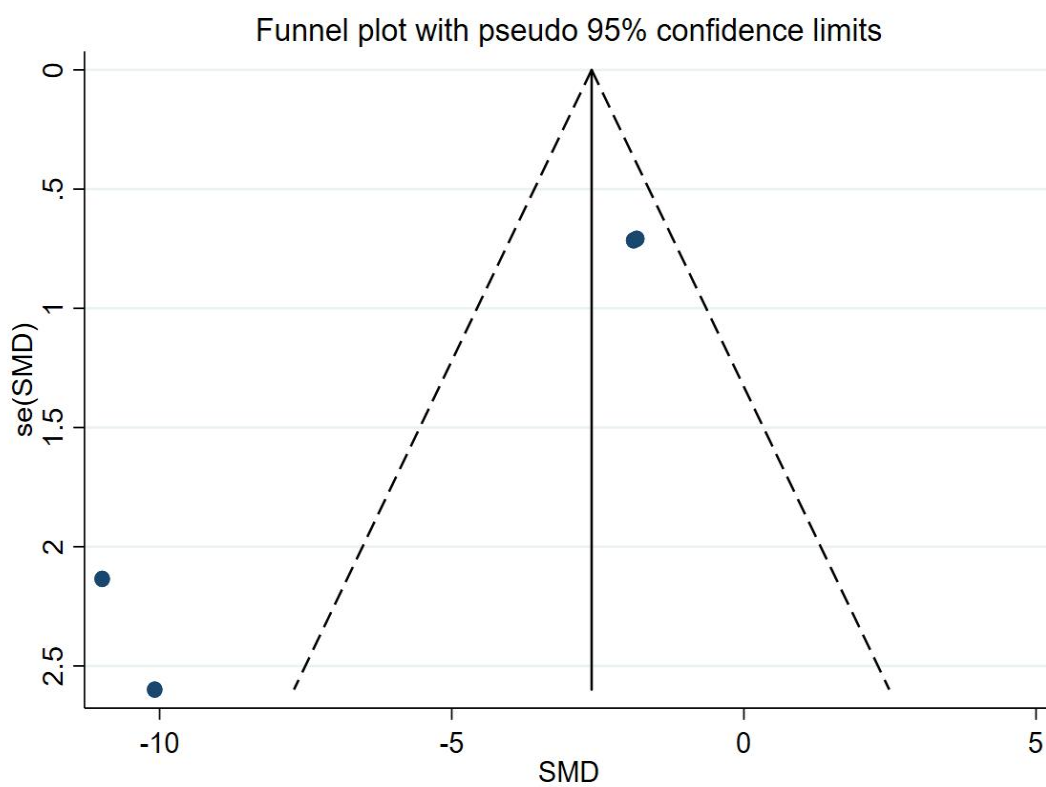


Inflammatory factors

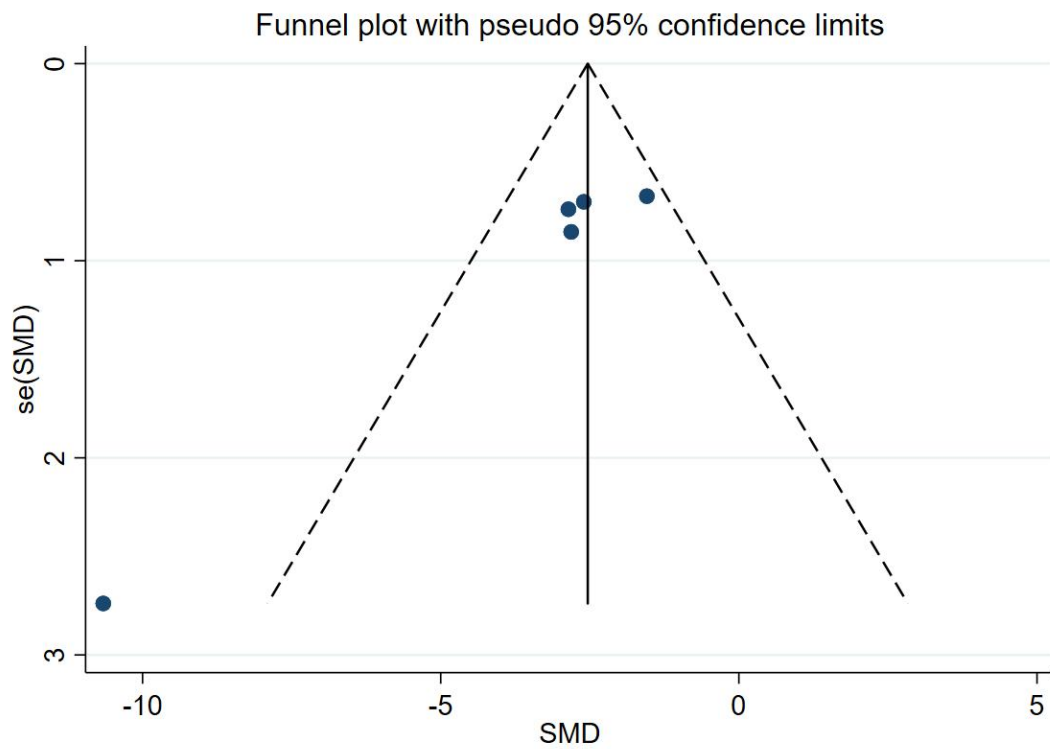
1. IL-1 β



2. IL-6

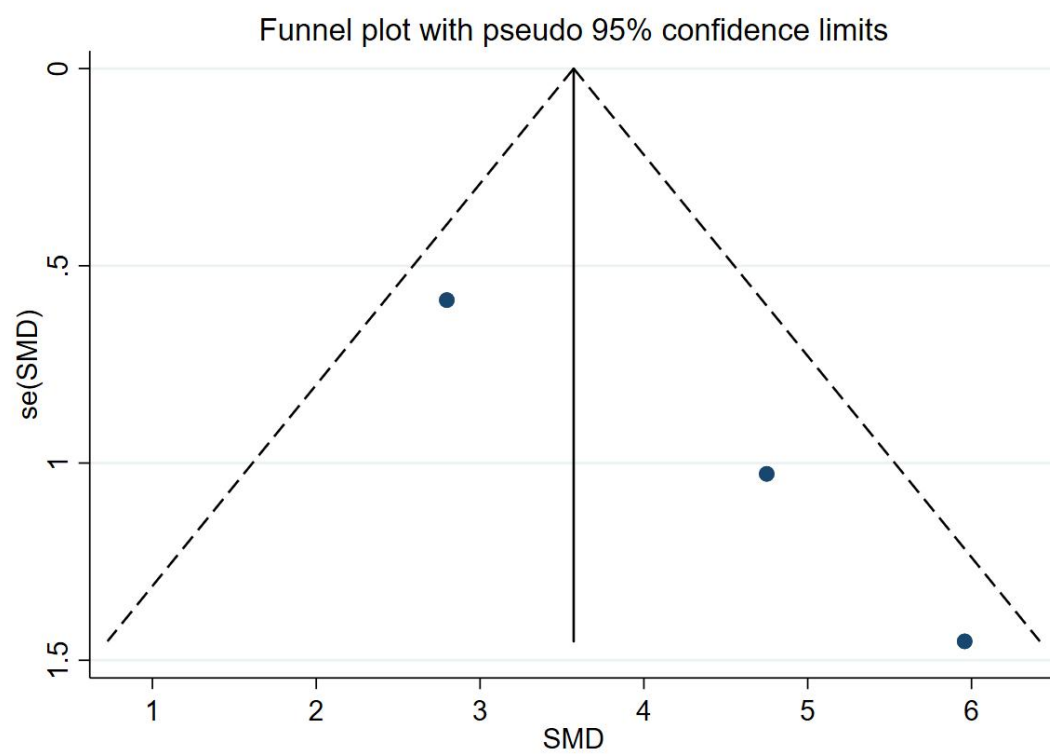


3. TNF- α

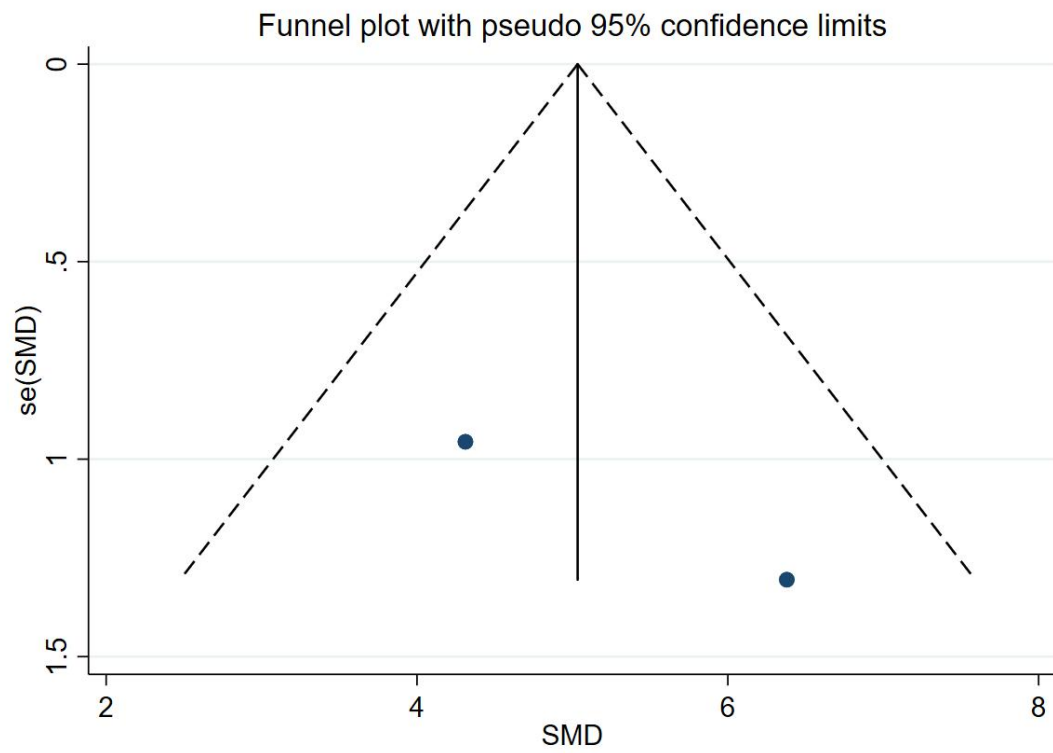


Oxidative stress factor

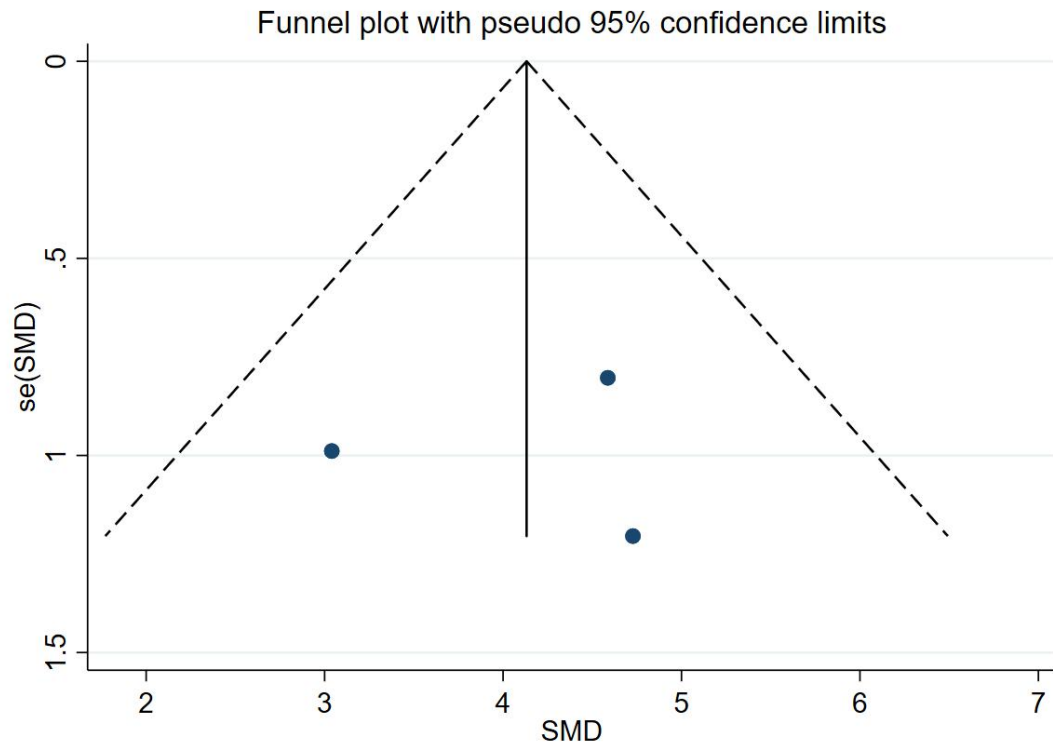
1.SOD



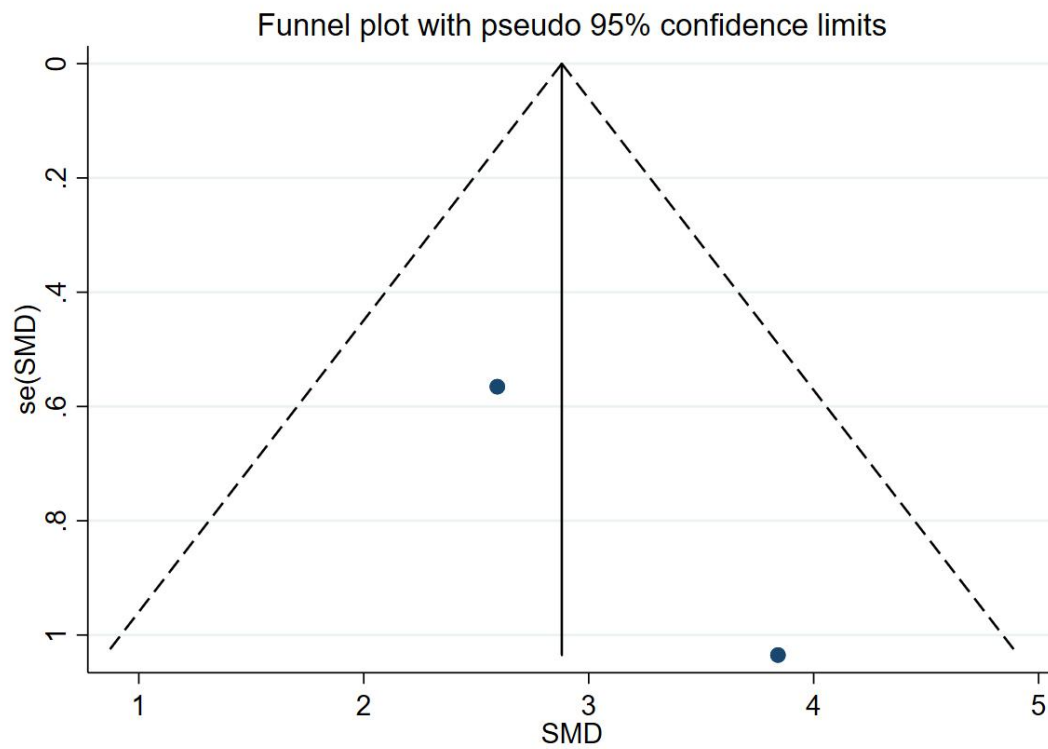
2.Sir2



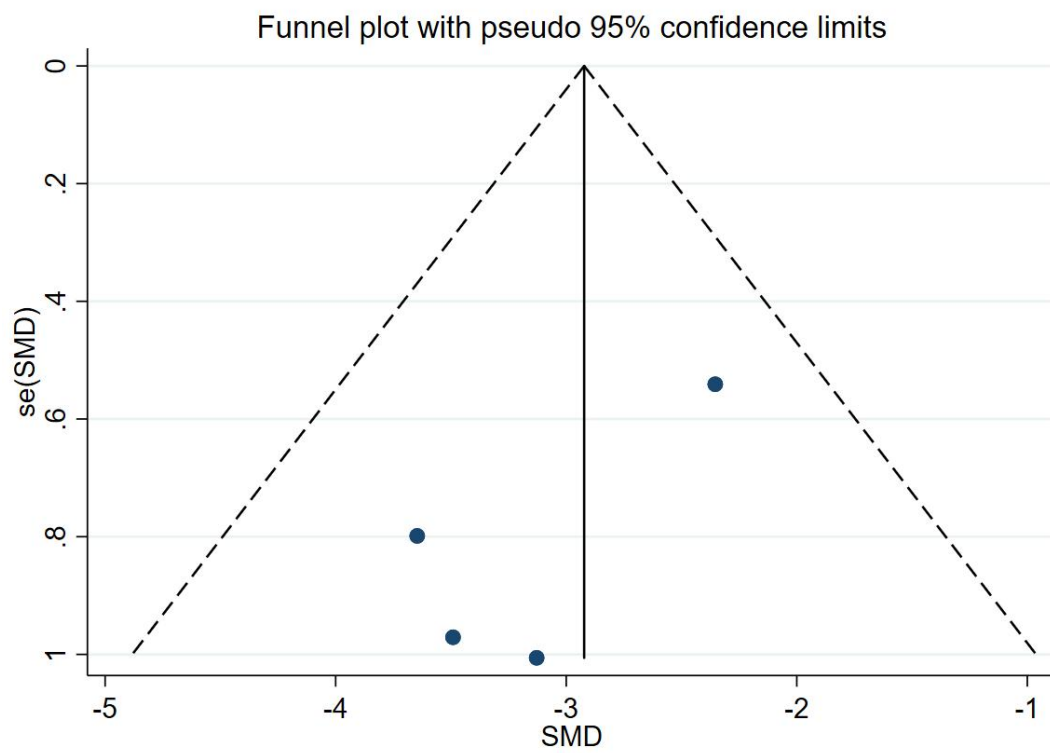
3.GPx



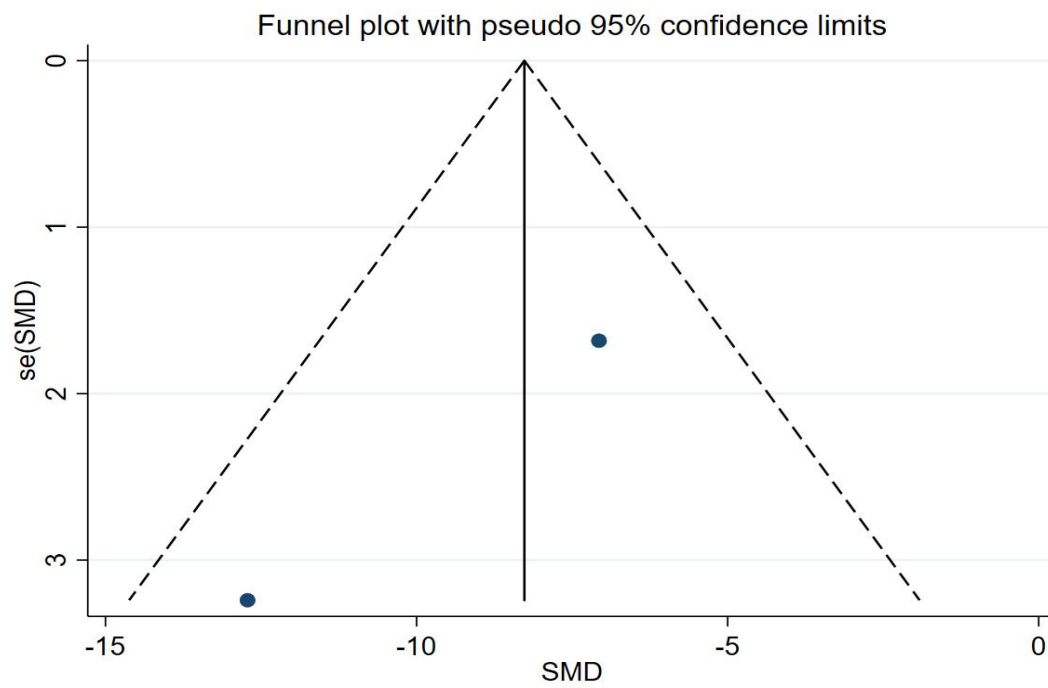
4.Nrf2



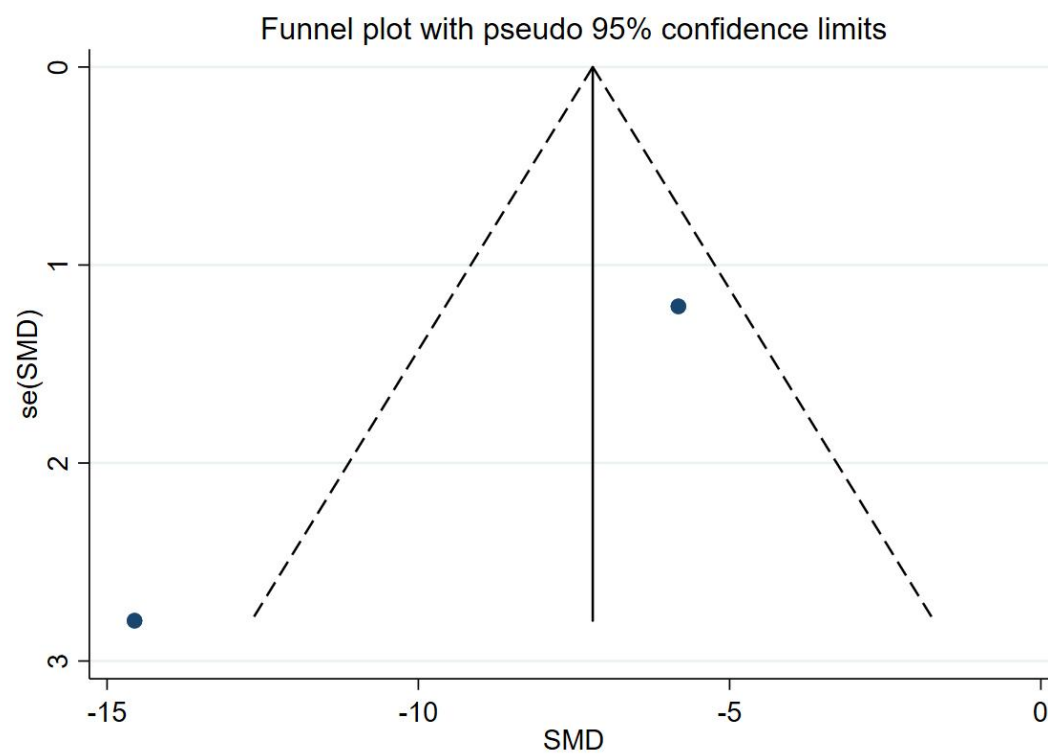
5.MDA



6.4-HNE

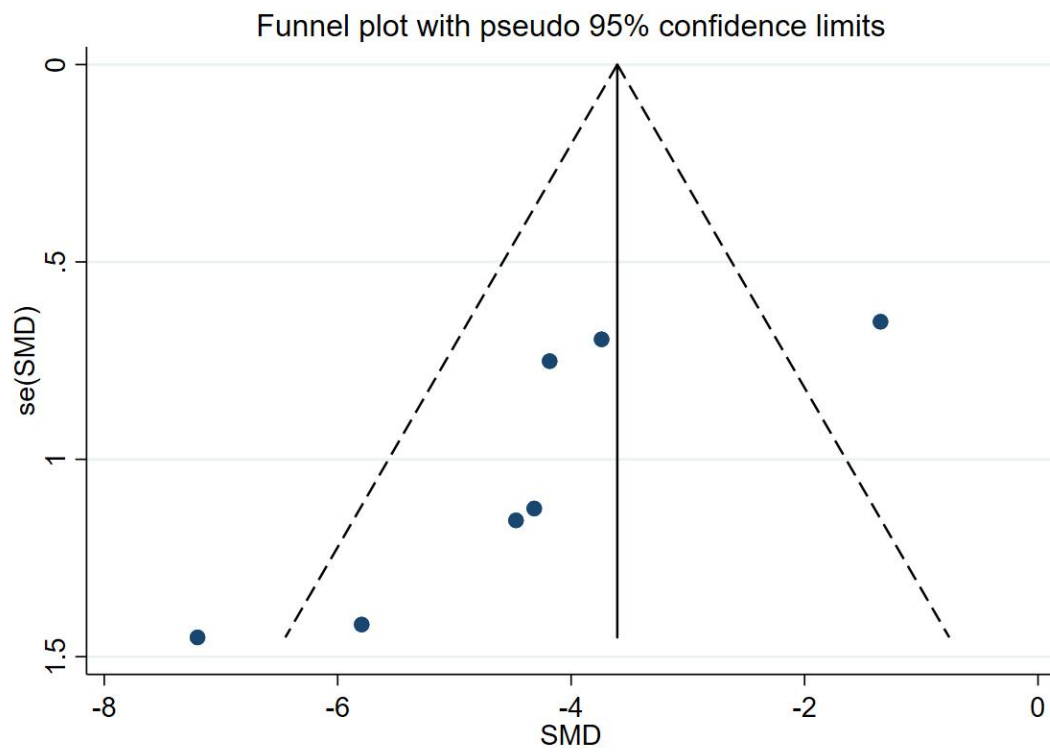


7. Protein carbonyllevel

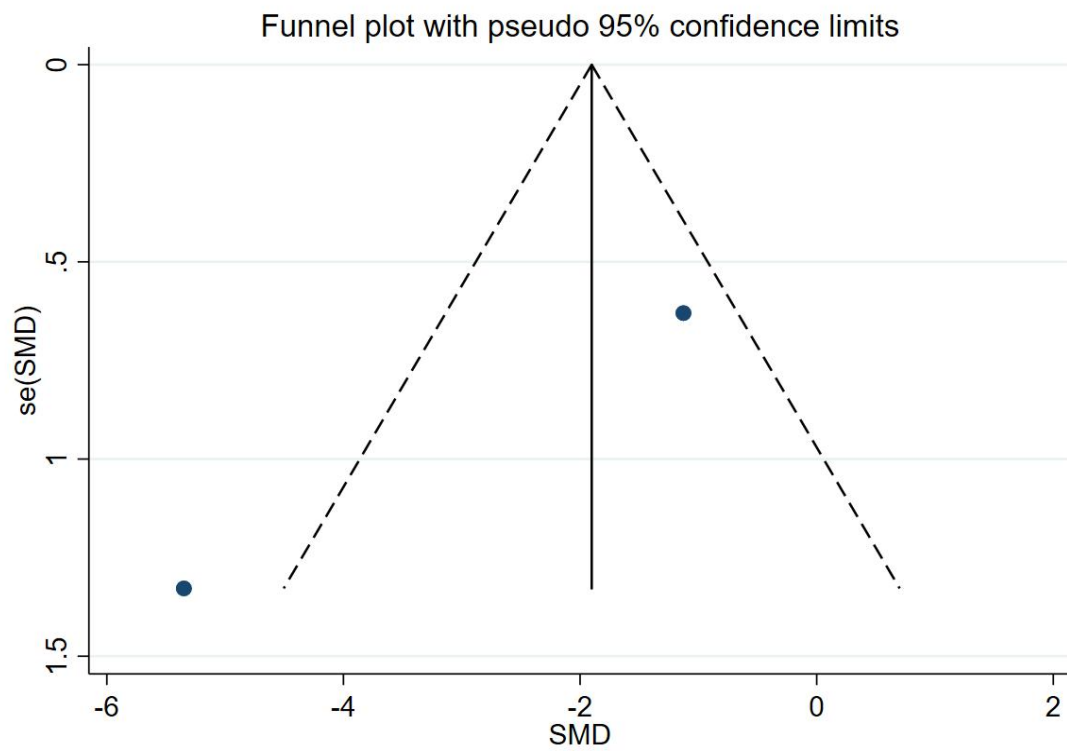


Neuroprotective factor

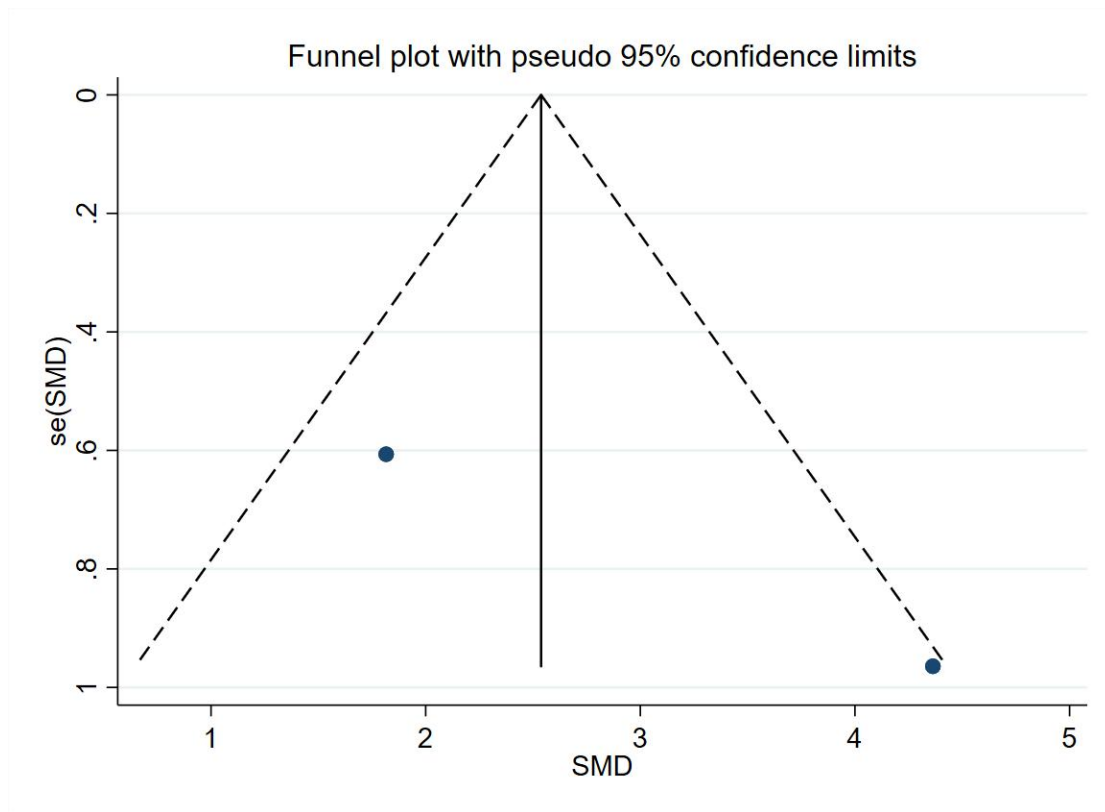
1. Brain water content



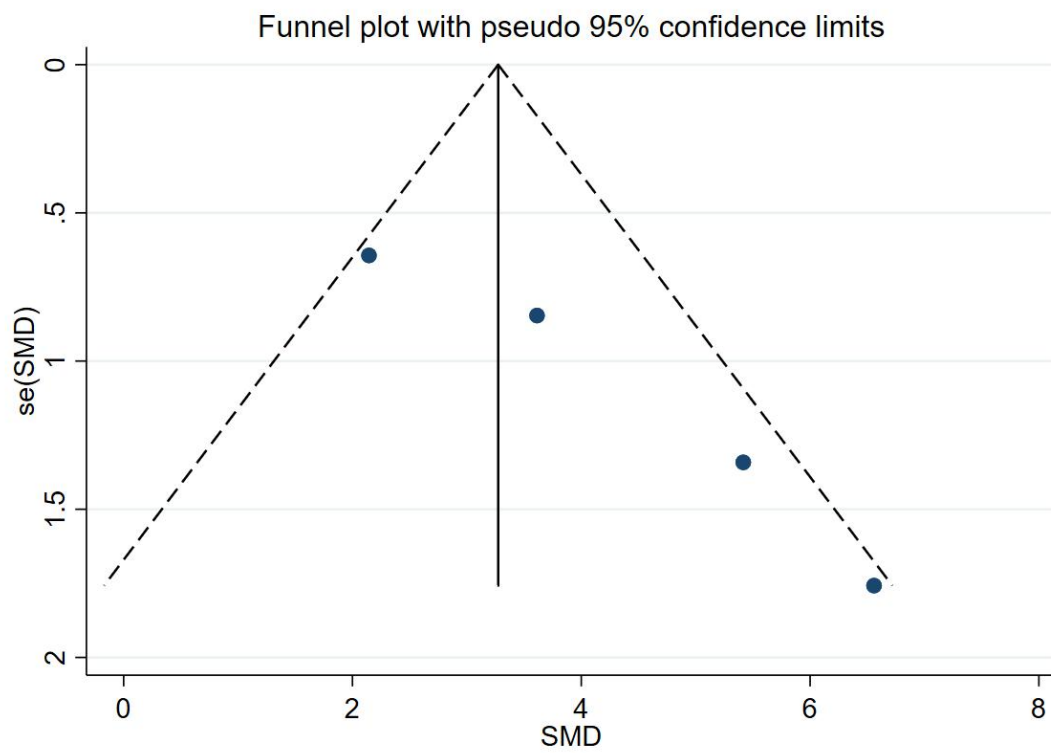
2.mNSS



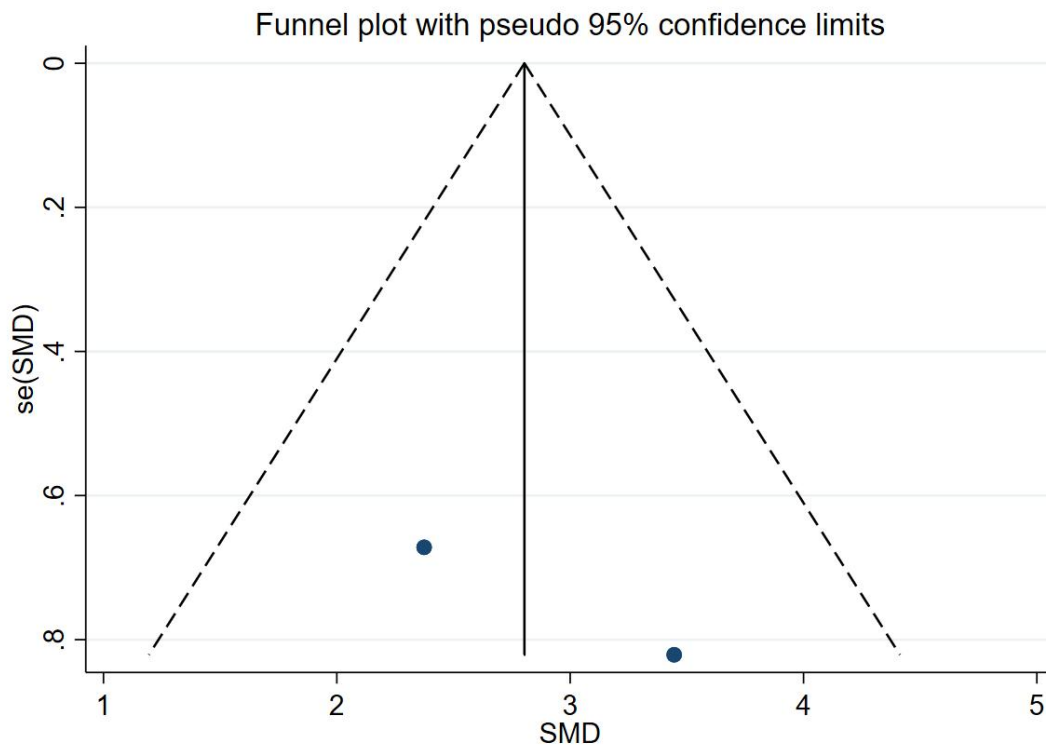
3.SynapsinI



4.BDNF

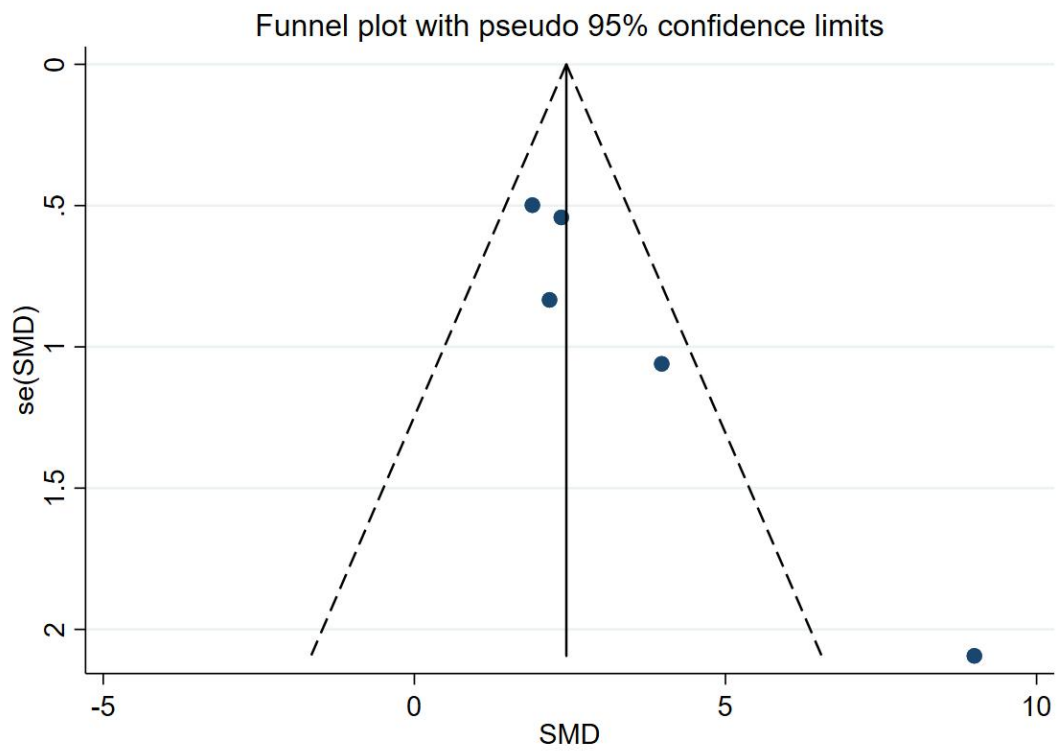


5.CREB

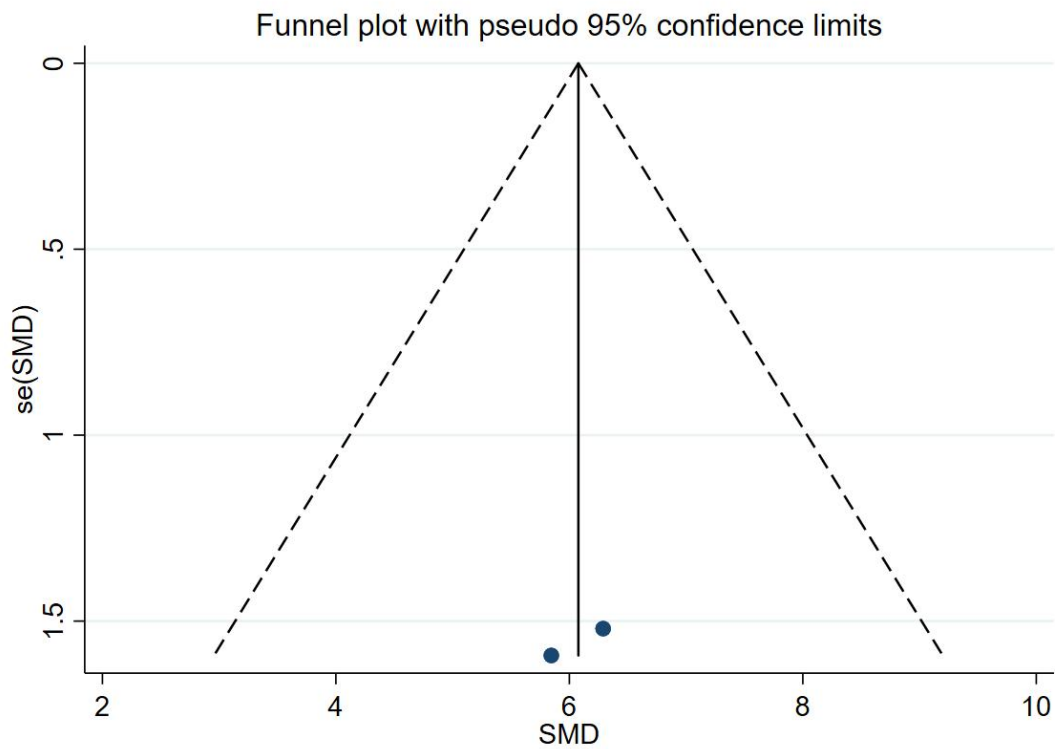


Autophagy and apoptosis factors

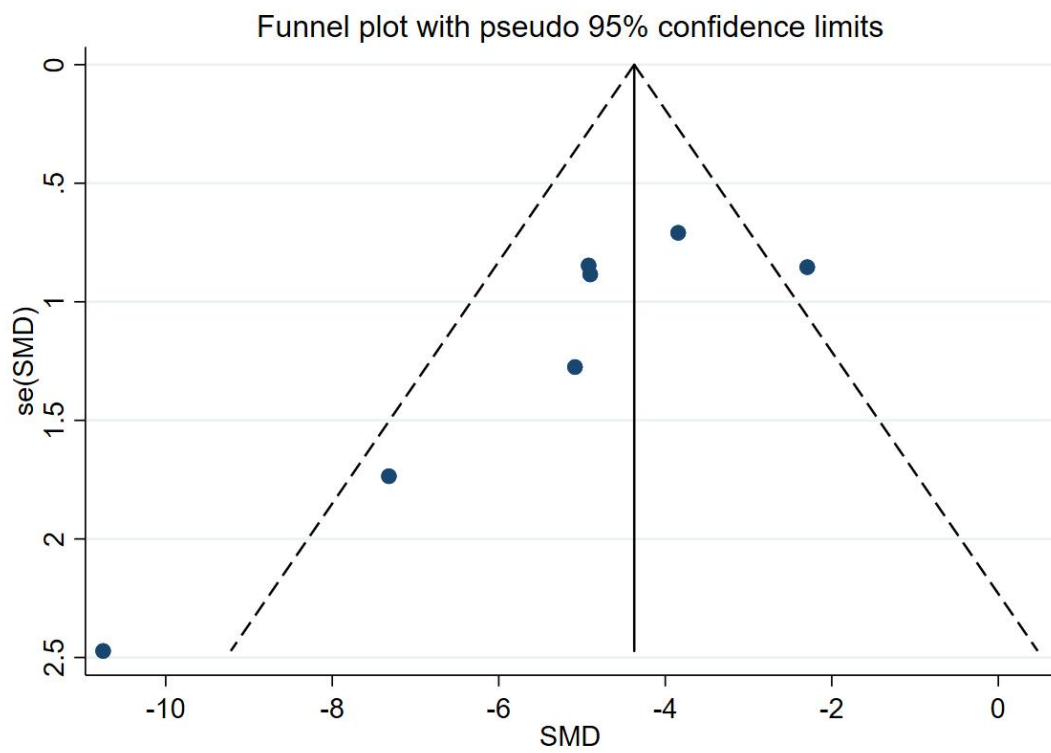
1.Bcl-2



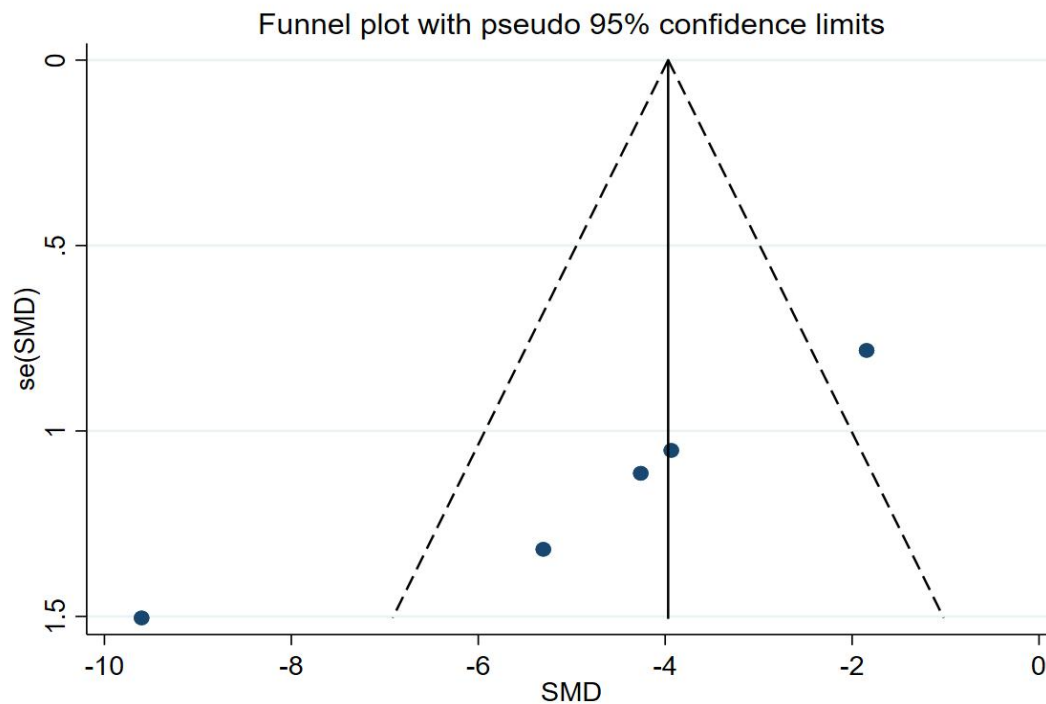
2.Beclin-1



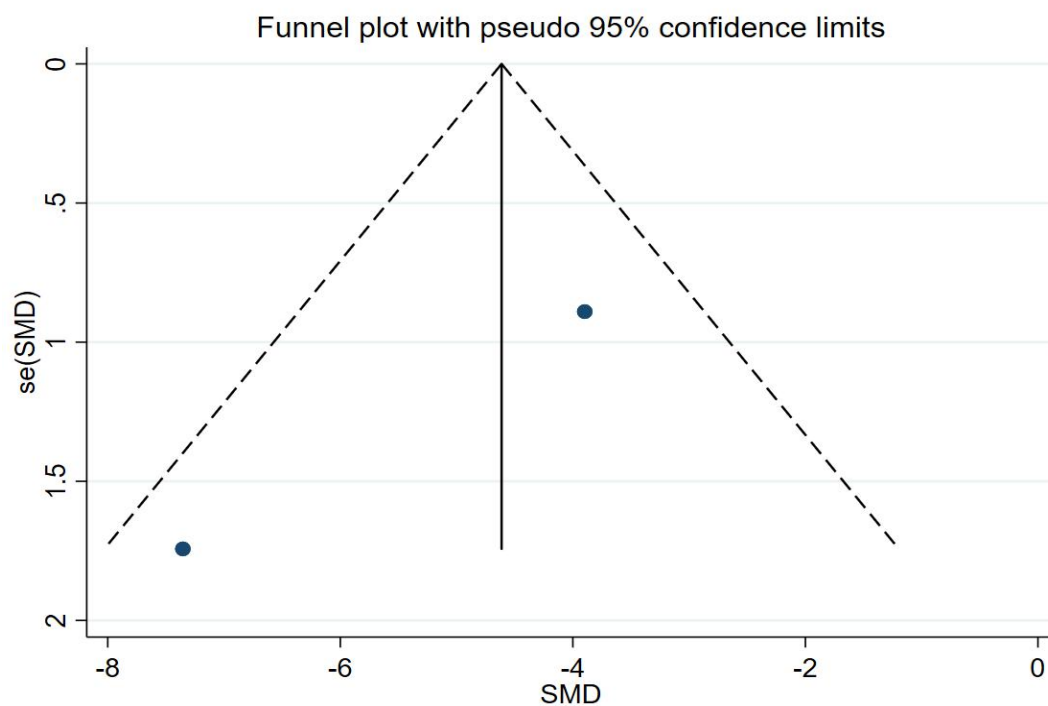
3.Caspase-3



4. Apoptosis index



5. P62



SMD, Standardized mean difference; CI, Confidence interval; IL-1 β , Interleukin-1 β ; IL-6, Interleukin-6; TNF- α , Tumor necrosis factor- α ; SOD, Superoxide dismutase; Sir2, Silent information regulator 2; GPx, Glutathione peroxidase; Nrf2, NF-E2-related factor; MDA, Malondialdehyde; 4-HNE, 4-hydroxynonenal; mNSS, Modified neurological severity score; BDNF, Brain-derived neurotrophic factor; CREB, Cyclic AMP-response element-binding protein; Bcl-2, B-cell lymphoma/leukemia 2; P62, Autophagy associated protein.