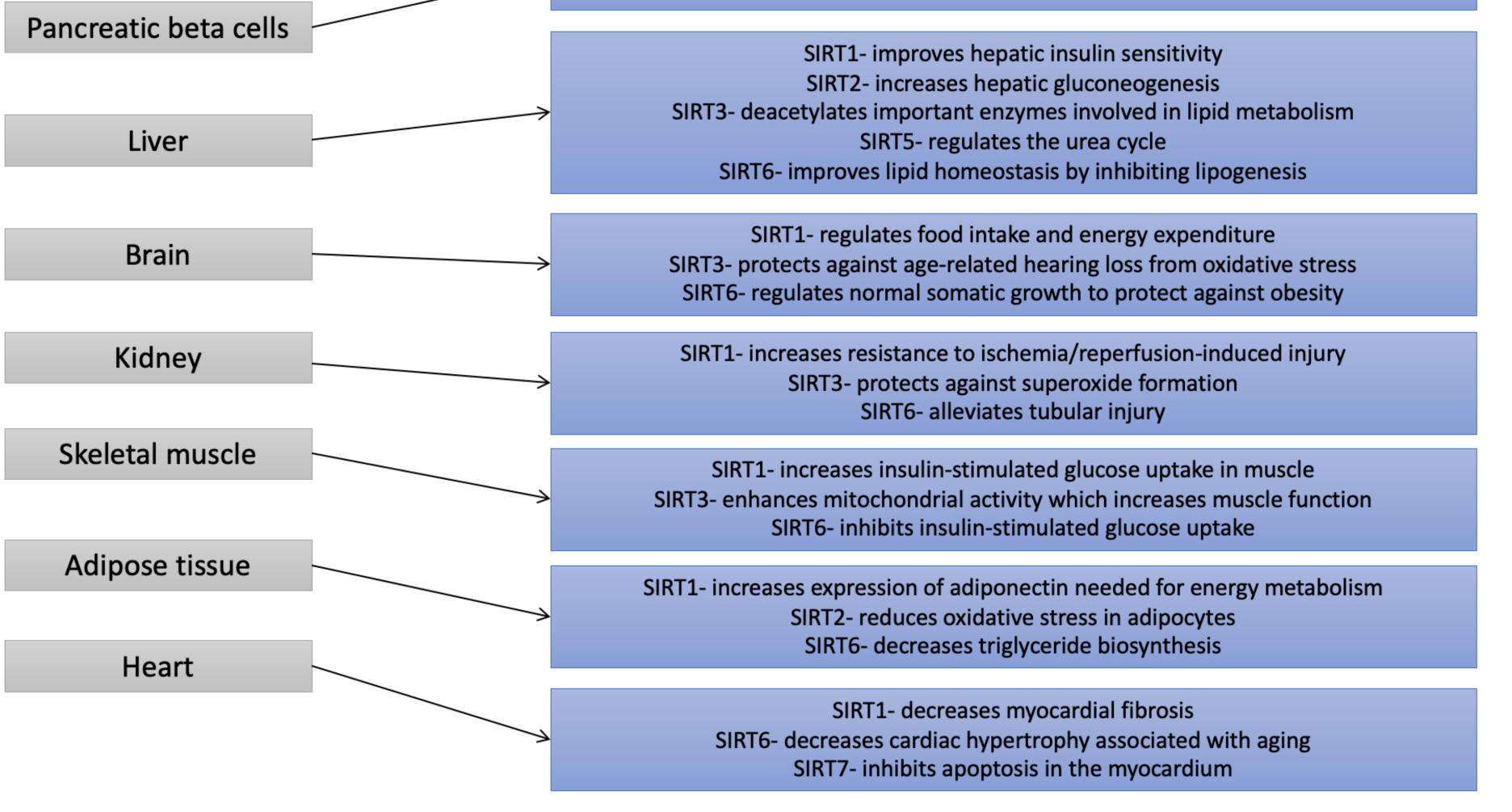


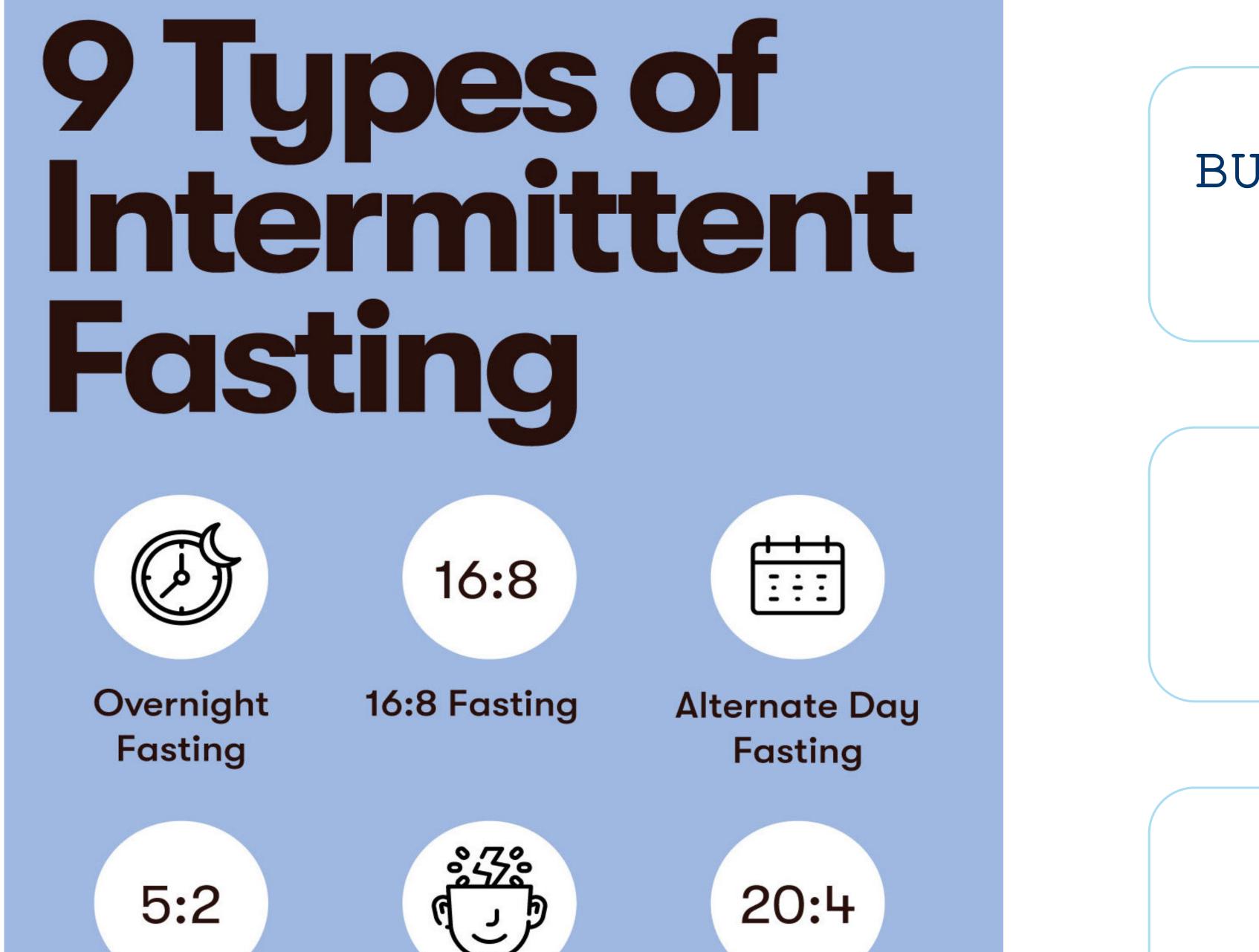
## SIRTUINS: The Longevity Protein

Organ Specific Functions of

SIRT1- protects beta cells against inflammation-induced apoptosis SIRT4- inhibits amino acid-induced insulin secretion

SIRTs: Although redundancy exists between protein substrates and SIRTs, each has a specific role in modulating oxidative stress, inflammation, and dysfunction. By acting on the multifactorial processes of aging, pathological changes and progressive decline can be minimized.









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