Non-Template Molecules Designed For Open-Ended Evolution

## Question

Could life start as a metabolic system without template replicators?

SimSoup Proof Of Concept Approach
Design an artificial chemical network and molecular structures for openended evolution. Simulate.

Memory Unit


Capacity 1 bit
Memory Bank Network
10 series of 9 units $\longrightarrow 10^{10}$ bits


Polymer $\mathrm{P}_{03}$ : Constructed By SimSoup


Closed Dimer $\mathrm{D}_{01}$ : Split By $\mathrm{P}_{01}$ To Maintain Autocatalytic Set


