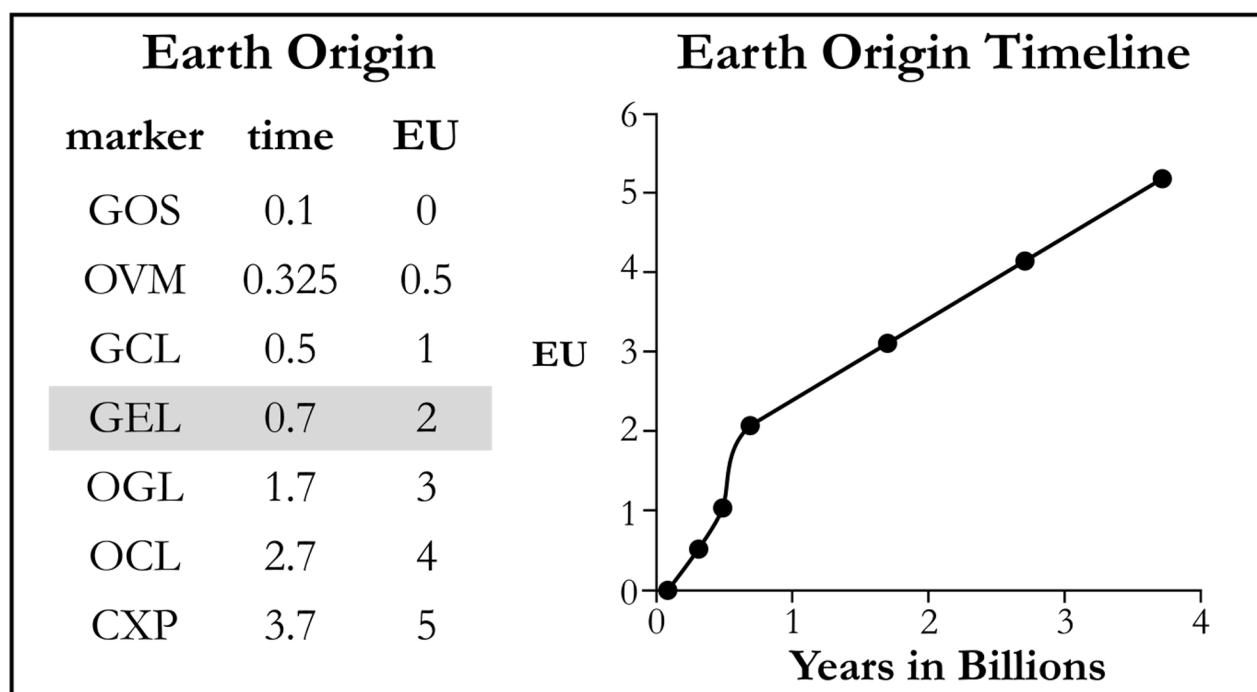
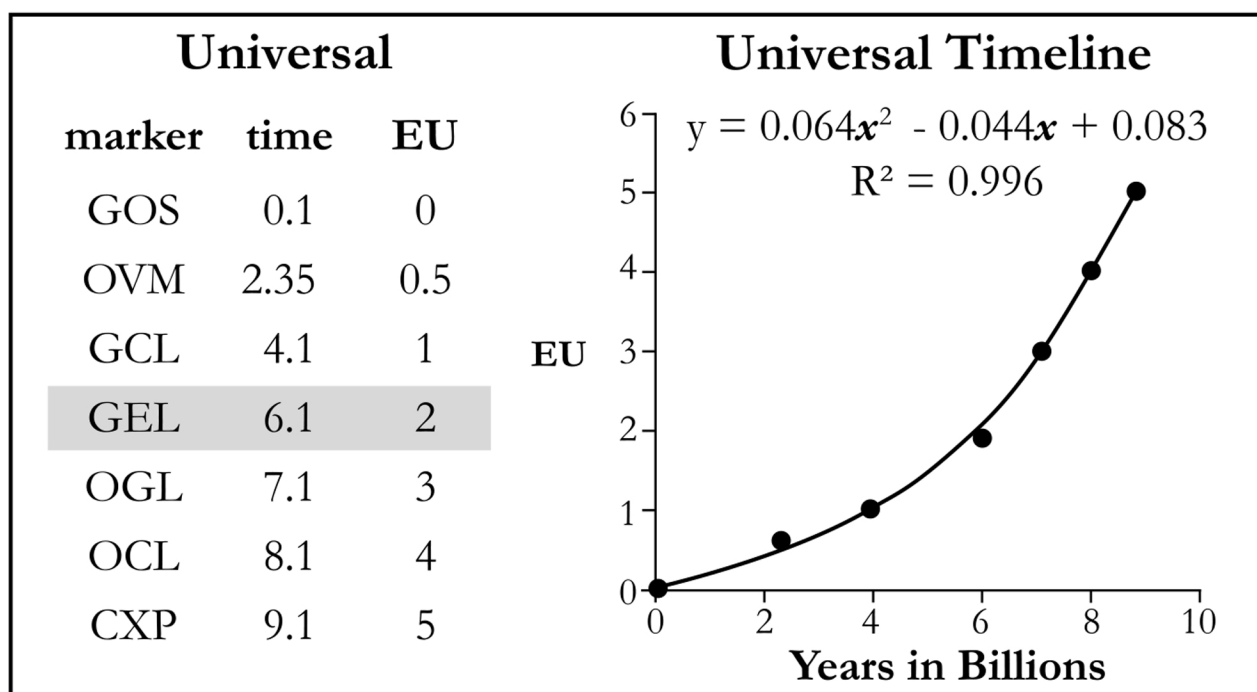


Earth Origin vs. Universal Evolutionary Timelines



Iso-genetic Assumptions:

GEL→OGL kinetic calibrator = 1.00 EU*/Gy

OGL→OCL and OCL→CXP = 1.00 EU/Gy

GCL→GEL = 0.50 EU/Gy ($\frac{1}{2}$ rate of GEL→OGL)

GOS→GCL = 0.25 EU/Gy ($\frac{1}{2}$ rate of GCL→GEL)

OVM interpolated (quadratic fit) for GOS→GEL = 0.5 EU

*EU, Evolutionary Unit; Gy, one billion years (one gigayear)

Universal Evolutionary Timeline

Gy BCE	Event
13.8	Big Bang
12.8	Light Star Formation
11.8	Heavy Star Formation
10.8	Primordial Planetary System Formation
10.7	Geochemical Organic Substrate
8.7	Organic Vesicular Metabolomaton
6.7	Genetically Competent Life
4.7	Genetically Efficient Life
4.5	Earth Formation
3.8	First Prokaryote Life on Earth
2.8	Organellar Eukaryote Life
1.8	Organocellular Life
0.5	Cambrian Explosion
0.225	Triassic Period
0.066	Chicxhulub Meteor Impact
0	Common Era