

Conclusion and perspective Identifying the process underlying replication origins and regulatory mechanisms has been one of a focal point in replication origin research. With the development of experimental technology, we are expected to add more replication-related data, such as replication timing and epigenetic modification sites, and provide online service for data analysis in the next update. On the one hand, with the explosive growth of origin-related datasets in eukaryotes, it has been a great impetus for researchers to explore the origin characterization, firing and regulatory mechanisms of replication origins through computational analysis and prediction. Furthermore, DeOri is expected to play a crucial role in experimental and computational studies of eukaryotic replication origins.