DECA: mango: cannoli: gnocchi: Lime: avocado: Exome Fast, multi-**ADAM** Auto-Set theoretic Parallel Scalable sample СОРУ Tools **Transforms:** parallel primitives for visualization variant number variant Read ETL legacy analysis calling genomics variant tools calling IntervalRDD Pipe API SortedRDD/RegionJoin **Core ADAM APIs APIs** Apache Spork Exec. Sys. Workflow engines (Toil) On-prem (CDH, Slurm/LSF) Clouds (CGCloud, Databricks, EMR) Deployment GA4GH Legacy file formats Apache File Formats (BAM/VCF) Parquet Schemas