Table S1. Combine Archive Test Cases.

`biomodels`: Examples from the Biomodels repository originally encoded as SBML and extended with basic SED–ML timecourse simulations.

`demos`: A set of models and SED–ML simulations of increasing complexity, in order to facilitate incremental support of the standard (4 archives, shown in Fig S2).

`real-models`: A selection of BioModels converted to COMBINE archives containing the associated SED–ML simulations (2 archives).

`published`: COMBINE archives published in the literature, including normative examples from the original paper introducing COMBINE archives (Bergmann *et al*, 2014) shown in Fig S3 (2 archives).

`swt`: Examples from the SED–ML Web Tools demonstrating advanced features of SED–ML (5 archives).

`sbml-test-suite`: COMBINE archive encodings of the entire SBML test suite (1196 archives).