Use cases for FuGE.Bio.Material Package

PCR amplification of 96 Well Plate, followed by testing and Re-rack

Existing sequences in 96-well plate are tested for PCR products and contamination.
Results indicate that 20% of the wells are not amplified and/or have contaminants. Products that have passed are re-racked into a new plate. Substitutes were found for replacing products that did not pass and put into the remaining wells.

1. Designate each product as a Material, giving sequence and organism characteristics
2. Designate a Material for the plate, with components for the constituent products.
3. Treat plate Material with PCR amplification. Result is a new plate material with new product components.
4. Quality control stats are attached to each product Material. (Characteristics?)
5. Materials that pass are moved to a new plate. New plate becomes a material with new product components corresponding to ancestors of prior plate.