The ModelSEED database welcomes user contributions. The following directions summarize the protocol for contributing thermodynamic reactions to the database.

1) Clone the ModelSEED repository

2) Compose a TSV file of the compounds in the contributed reactions
    a. The TSV column headers should follow the example file
        i. The 'NAMES' header is the compound name
        ii. The 'ID' header is an arbitrary identifier from the contributor

3) Identify the contributed reaction compounds in the ModelSEED database
    a. Execute the "Add_new_curated_compounds" python script via a command-line
        i. Open the code_staging branch of the repository
        ii. Pass the composed TSV file as an argument of the python script

4) Synchronize the contributed reactions with the ModelSEED reactions
    a. Execute the "Add_new_curated_reactions" python script via a command-line
        i. The matched compounds from the "Add_new_curated_compounds" script will be used to match reactions between the contributed data and the ModelSEED database.