```
Α
                                 B
                                         files.txt
         tag
               library.txt
                                    bin
                                         file
     ct.
                                    0
                                         library.txt
              expression.txt
     ct
         tag
                                    1
                                         expression.txt
                          kev.txt
         tag
                      sea
         ATCTGCGGCC
                      GCACCAGACAGTGACGTCAGCTGC...
         TACTGCGAAC
                      GCACCAGACAGTGACGTCAGCTGC...
         GGCTTGCACA
                      GCACCAGACAGTGACGTCAGCTGC...
         TAAAACGATA
                      GCACCAGACAGTGACGTCAGCTGC...
         ATGGCTAAAA
                      GCACCAGACAGTGACGTCAGCTGC...
         GACTAAACGC
                      GCACCAGACAGTGACGTCAGCTGC...
         AAGATGGCTG
                      GCACCAGACAGTGACGTCAGCTGC...
                      GCACCAGACAGTGACGTCAGCTGC...
         CACTATAGTA
         ACCGATCGCG
                      GCACCAGACAGTGACGTCAGCTGC...
D
          file
                files.txt
                                            tag key
key.txt
                           ---- tag
                                      sea
         gatherseqs --tagkey key.txt
                            dataset
           ct 1
                 tag
                       seq
                            data.txt
          logratios
                   log ratios
     lr
         tag
              seq
        errfromtags --var lr
                       log ratios with errorbars
         lr err
                 seq
                       lr with errs.txt
F
   $ sortseq gatherseqs -i files -o dataset.txt \
        --tagkey key.txt
   $ sortseq logratios -i dataset.txt -o lr.txt
```

Figure 7

\$ sortseq errfromtags -i lr.txt -o lr with errs.txt