

The Source Data 4-Figure 4 contains the following files:

mat data

- Figure4.mat
- U3FLlow.mat
- U3FLupp.mat
- U3HL.mat

load('Figure4.mat') load PlaneOrientation table with variables alphaHL, alphaFLupp, and alphaFLlow, corresponding to the alpha as they are plotted in upper panels of Figure 4 A and B.

load('U3FLlow.mat') load UFL2 table with variables: U1, U2, U3, that corresponds to the components of the u_{3u} , u_{3l} , and u_{3h} vectors . See Figure 3-figure supplement 1

load('U3FLupp.mat') load UFL1 table with variables: U1, U2, U3, that corresponds to the components of the u_{3sc} , u_{3u} , and u_{3l} vectors . See Figure 3-figure supplement 1

load('U3HL.mat') load UHL table with variables: U1, U2, U3, that corresponds to the components of the u_{3t} , u_{3s} , and u_{3f} vectors . See Figure 3-figure supplement 1