

The Source Data 3-Figure 3 supplement 1 contains the following files:

mat data

U3FLlow.mat

U3FLupp.mat

U3HL.mat

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