

	Normalized Absolute Error (in %) 309 unlabeled data points
Dataset 1	
dpERK	2.37
Twist	2.03
Dataset 2	
dpERK	2.01
Dorsal	1.10
ind	1.45
Dataset 3	
dpERK	1.57
ind	0.9
rho	1.11
Dataset 4	
Twist	2.18
ind	1.63
rho	1.84

Normalized Absolute Error obtained by K-fold cross-validation for each modality of each dataset. In each case, we performed 10 repetitions, where the labeled samples are distributed randomly among the K bins, and the 309 unlabeled data points are chosen randomly. The error is then averaged over 10 repetitions. More details about the Normalized Absolute Error can be found in S1 Text.