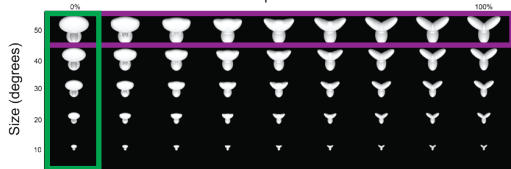


**A**

Size (degrees)

identity-preserving  
identity-altering

Morph Level

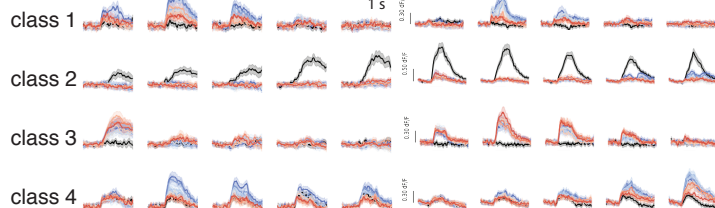
**B**

size (deg) →

0.2  $\Delta F/F$ 

1 s

morph level

**C**

Example FOV

Functional class  
grouping of all cells  
in example FOV

- class 1
- class 2
- class 3
- class 4

**D**

V1

LM

LI

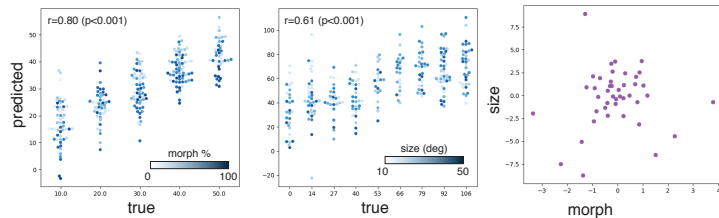
Functional  
classes (all datasets)

**E**

Regression on size

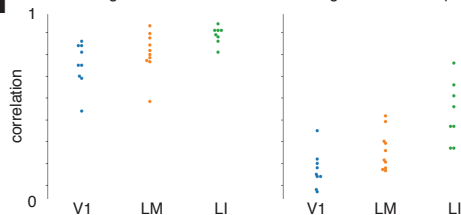
Regression on morph

Regression coefficients

**F**

Regression on size

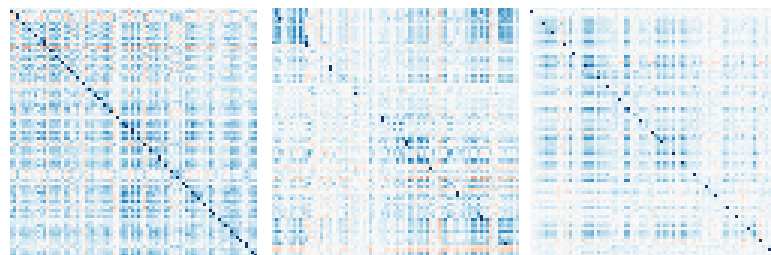
Regression on morph

**G**

V1

LM

LI

**H**

trial-to-trial corr.

V1

LM

LI

