Fit and Diverse: Set Evolution for Inspiring 3D Shape Galleries (supplemental material)
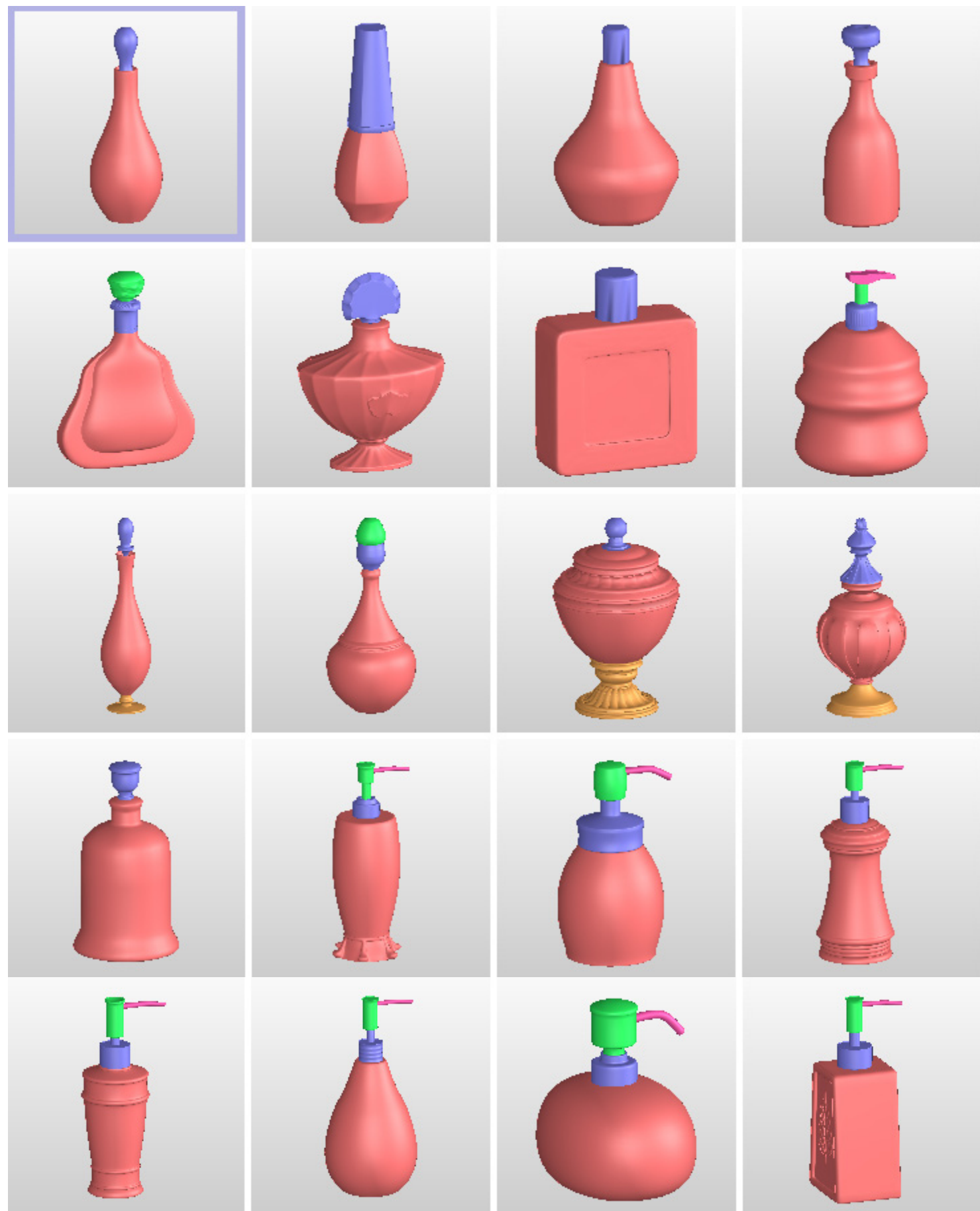
Paper ID: 0237

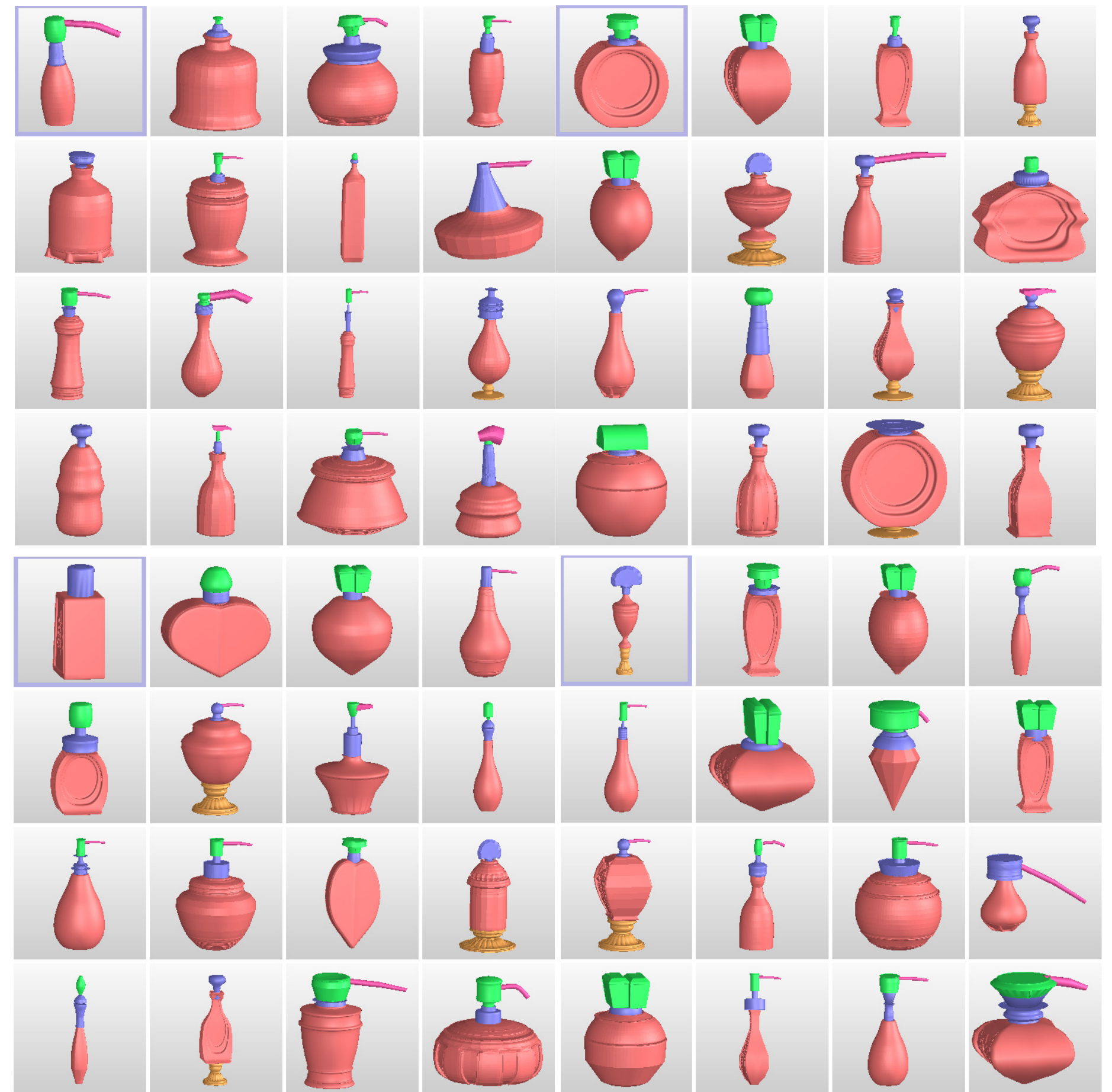Side-by-side comparisons for set evolution

Outline

- Data sets:
  - Perfume bottles
  - Teapots and vases
  - Chairs
  - Lamps
  - Candelabra
  - TV-aliens
- For each set, we show side-by-side comparison between:
  - Input set and set evolved with "fit-and-diverse"
  - Set evolved with "fit-and-diverse" and that with "fit" only
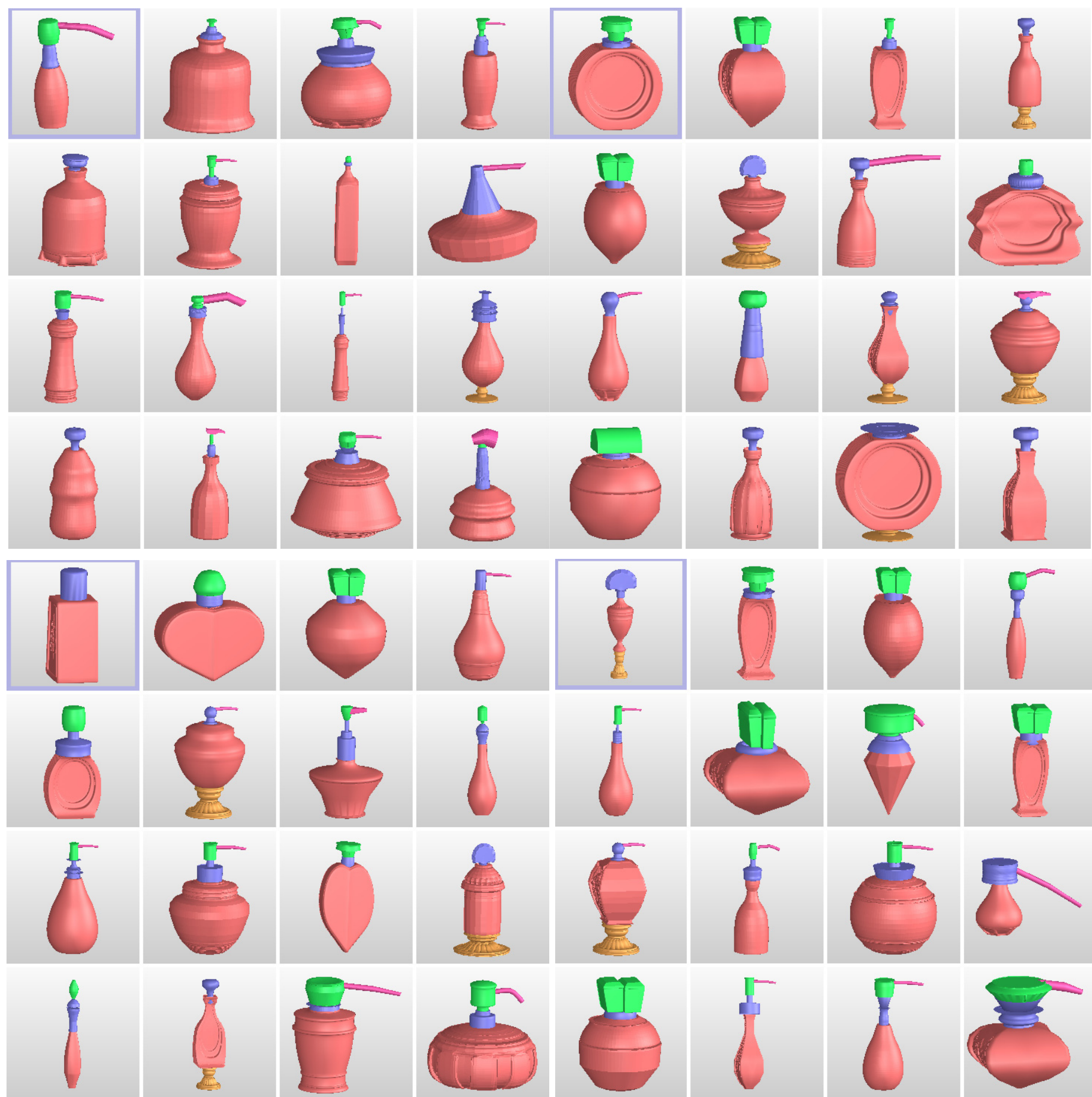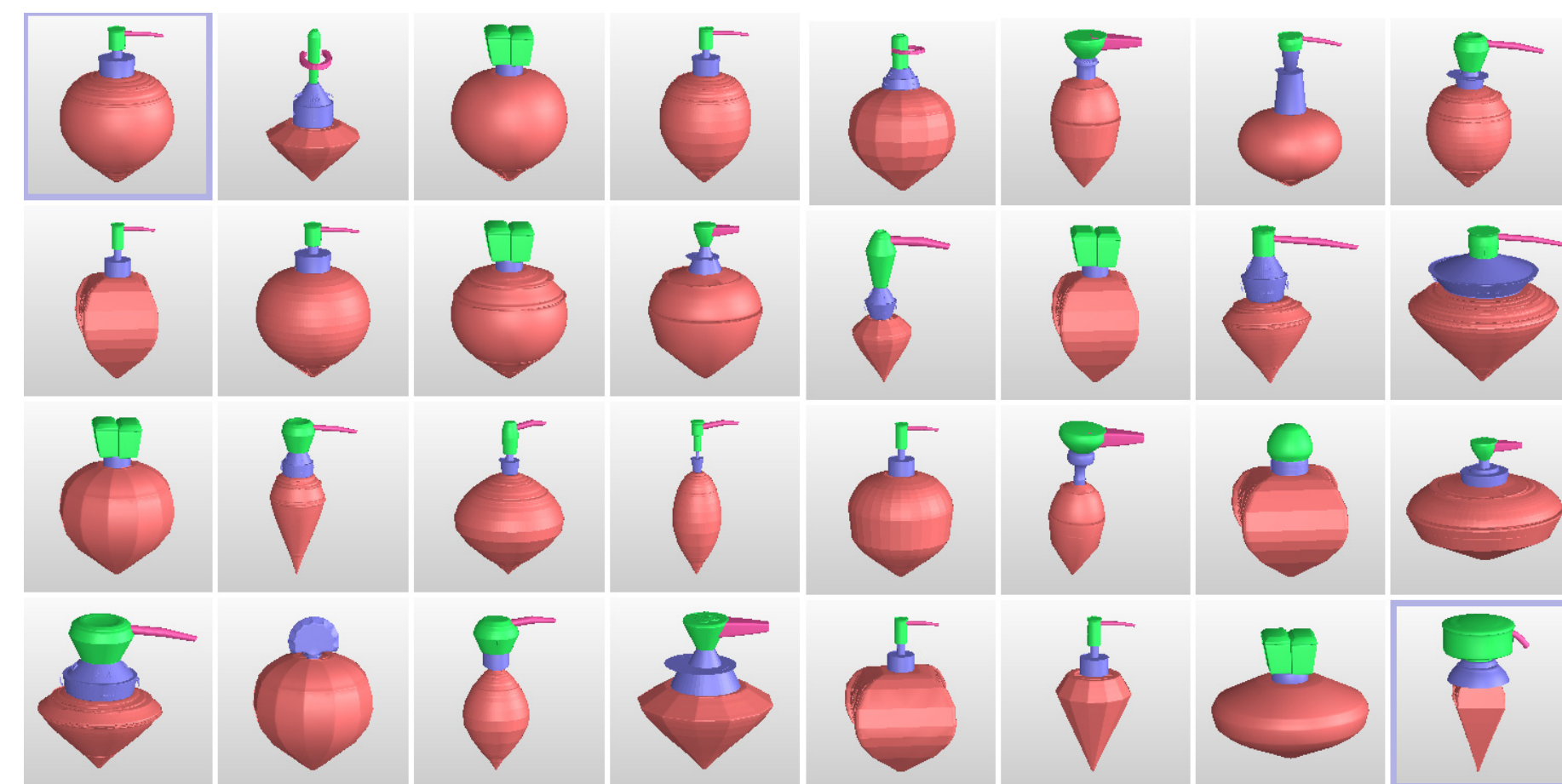
Perfume bottles

Input set

Evolved set (fit & diverse)

Set evolved with "fit-and-diverse"

Elite set evolved with "fit" only

(User preference: bottles with heart- or diamond-shaped body)
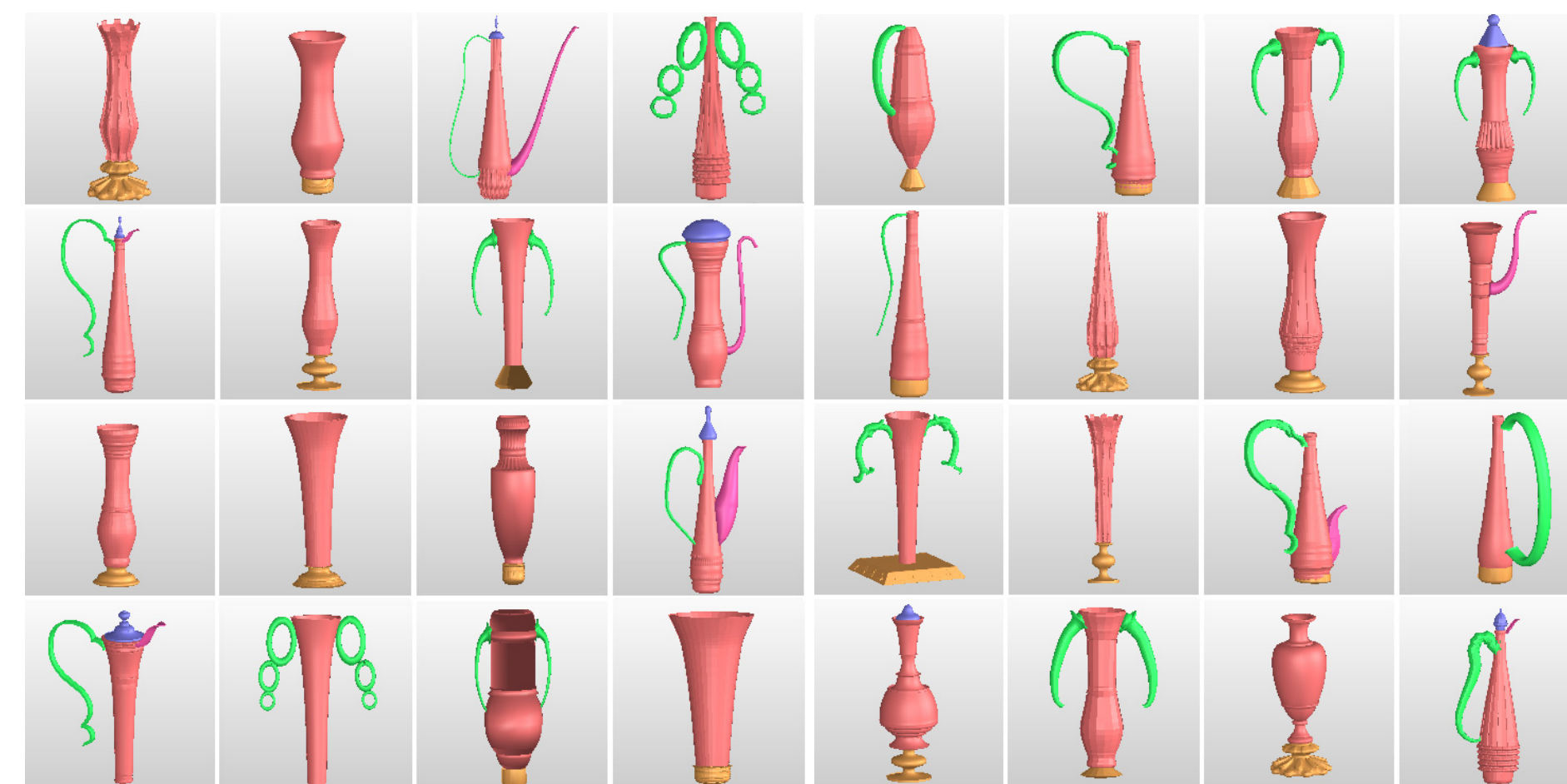
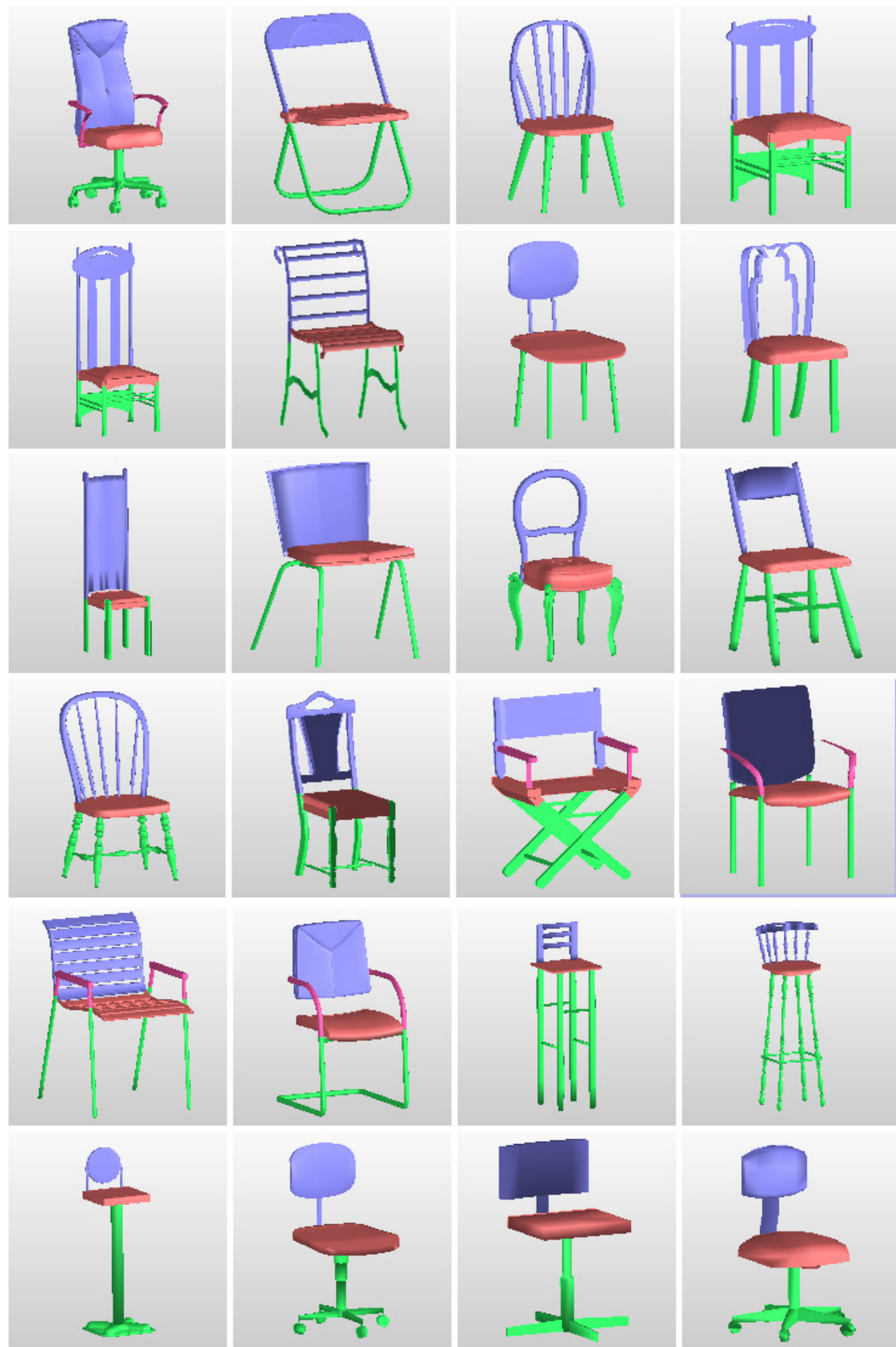# Teapots and vases

Input set

Set evolved with "fit-and-diverse"

Set evolved with "fit-and-diverse"

Elite set evolved with "fit" only
(User preference: teapots or vases with slender body)
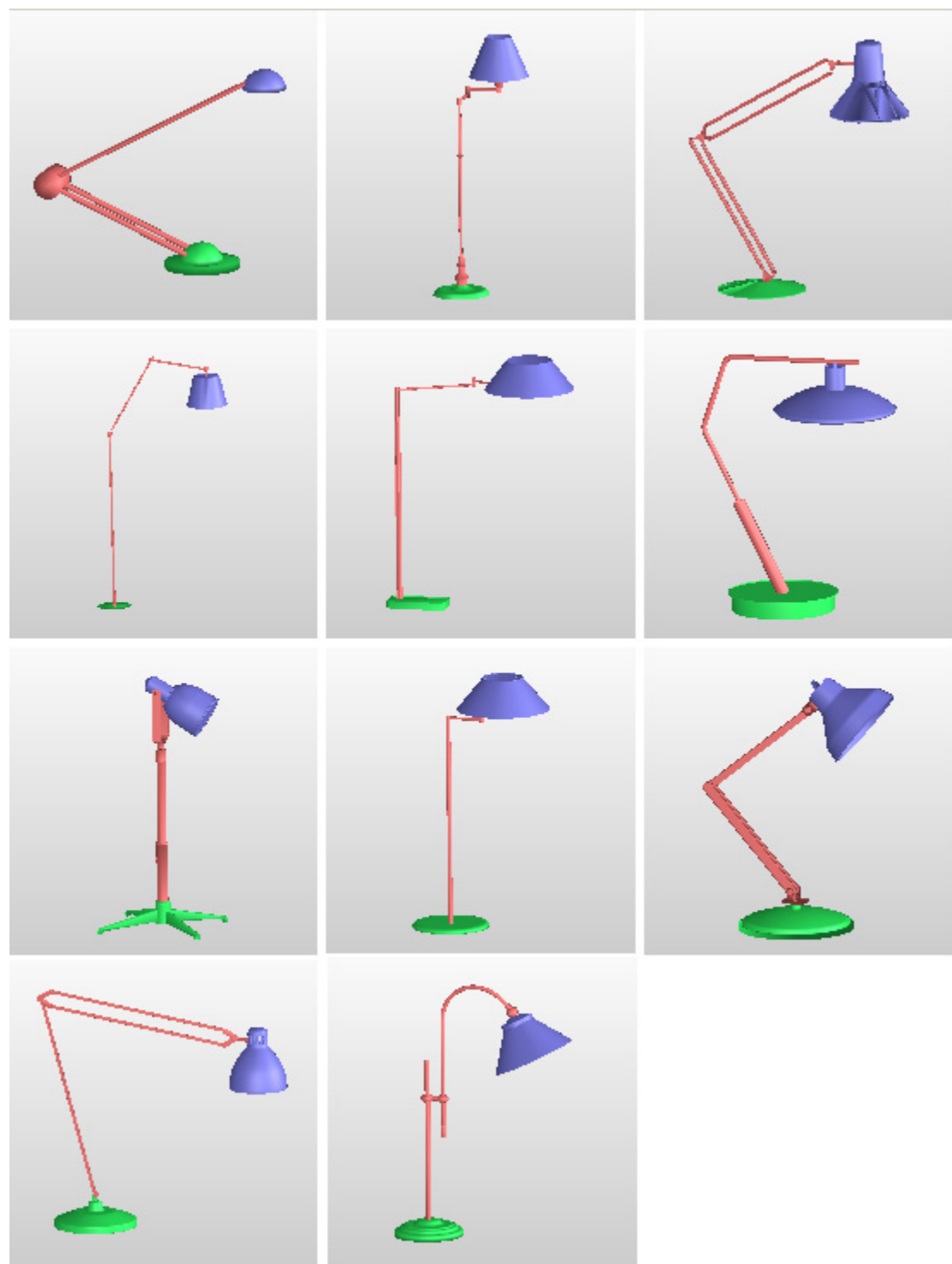
Chairs

Input set

Set evolved with "fit-and-diverse"

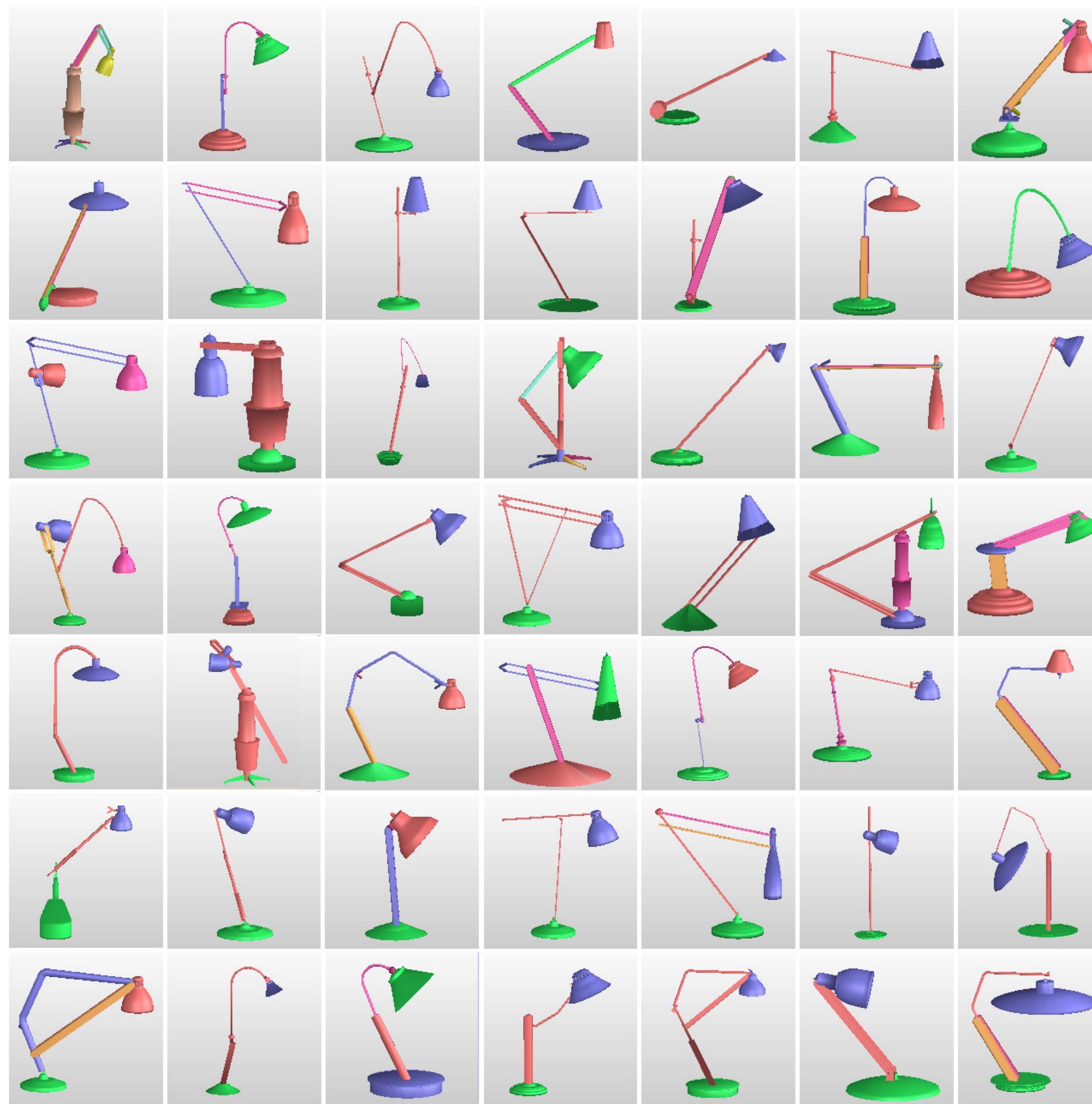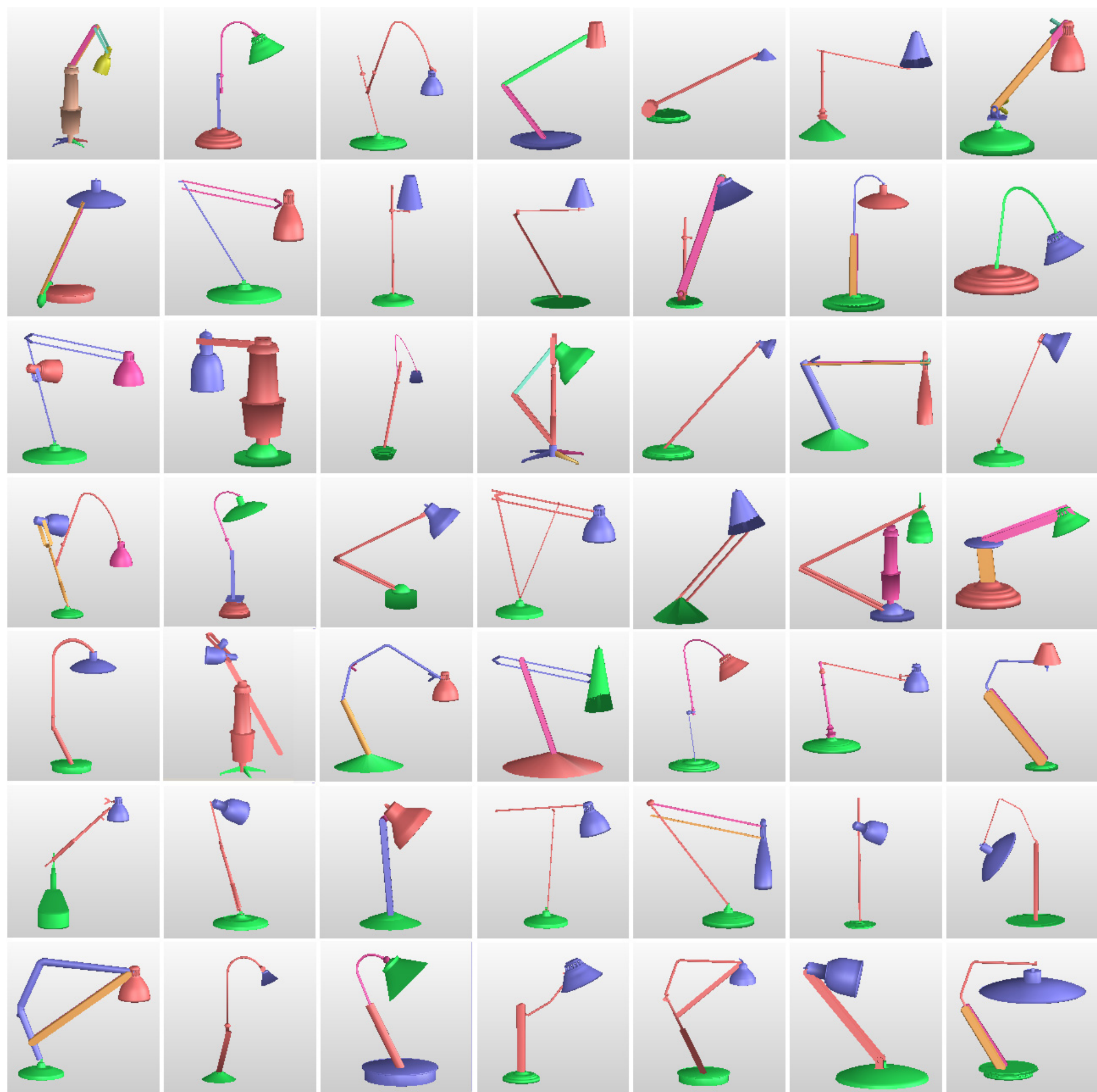Set evolved with "fit-and-diverse"

Elite set evolved with "fit" only

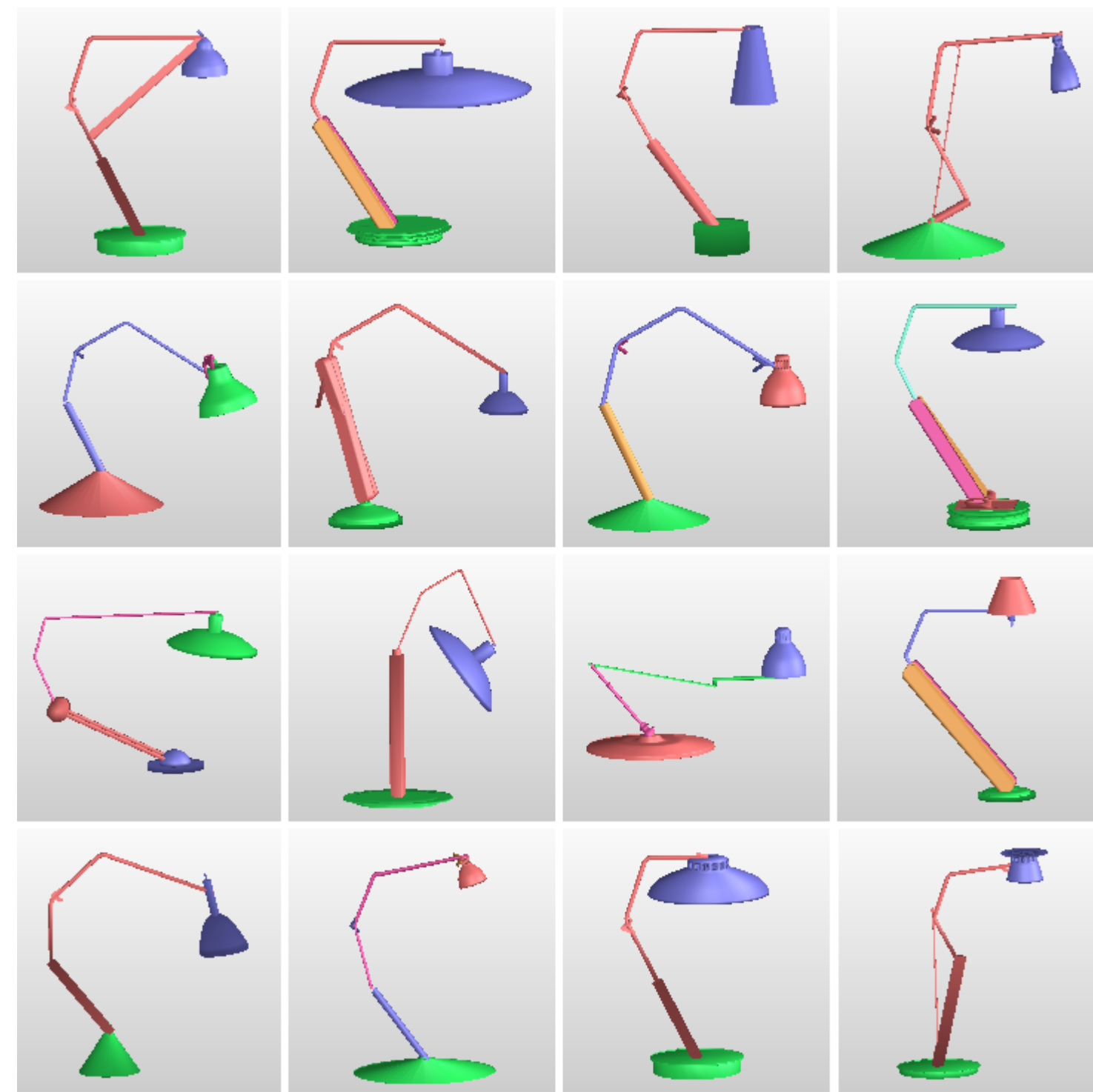(User preference: swivel chairs or bar stools)

Lamps

Input set

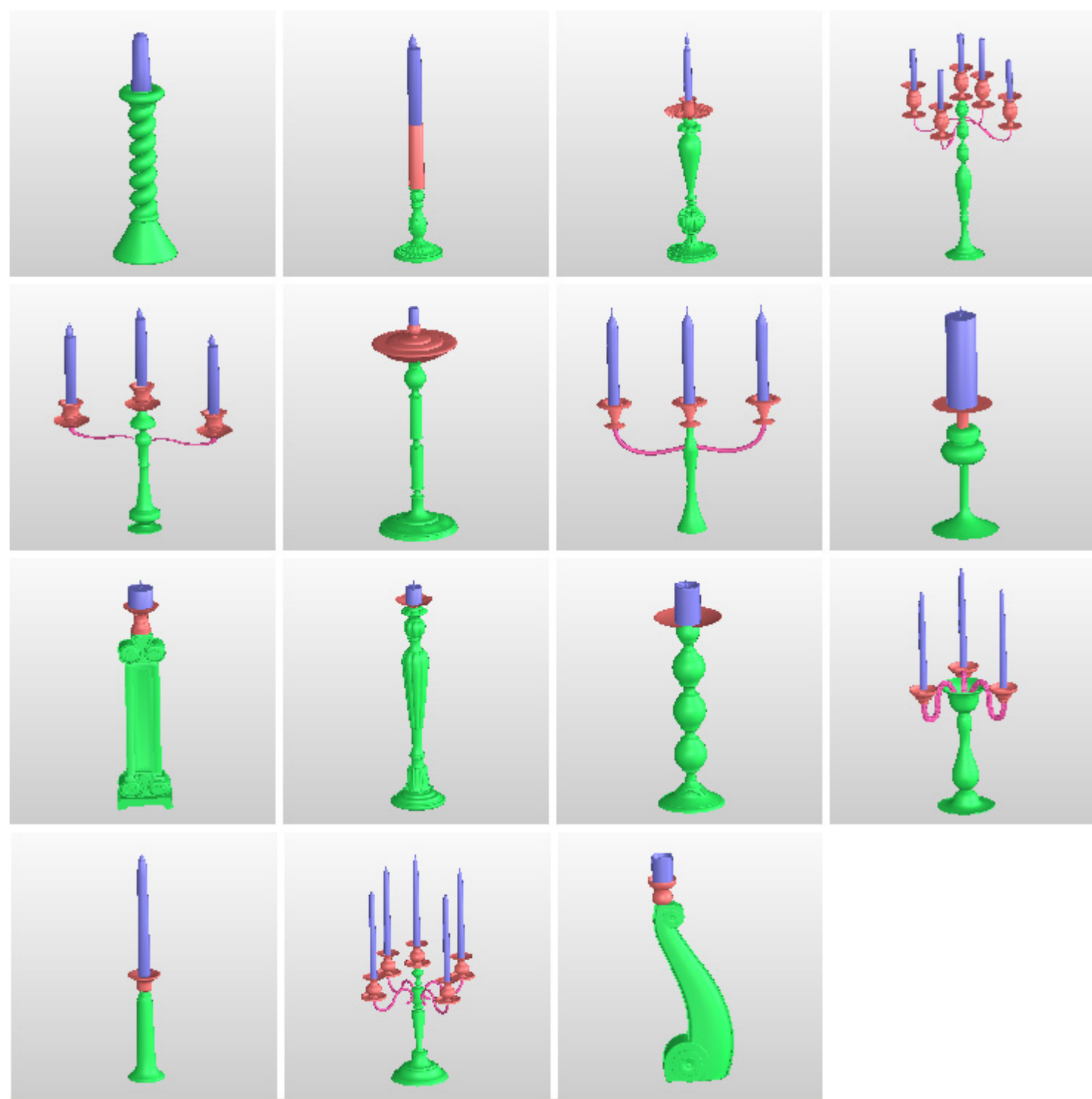Set evolved with "fit-and-diverse"
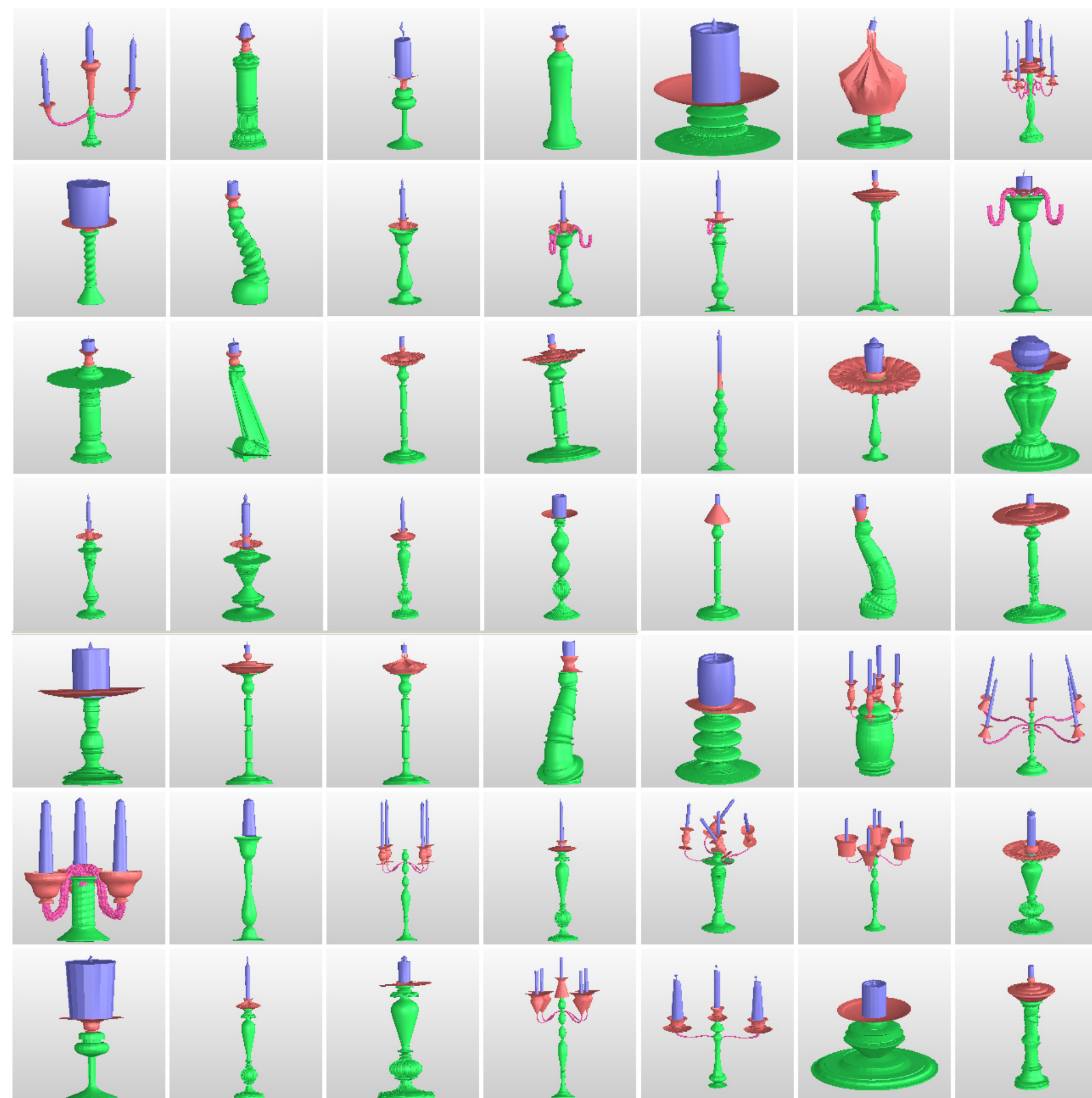
Set evolved with "fit-and-diverse"

Elite set evolved with "fit" only
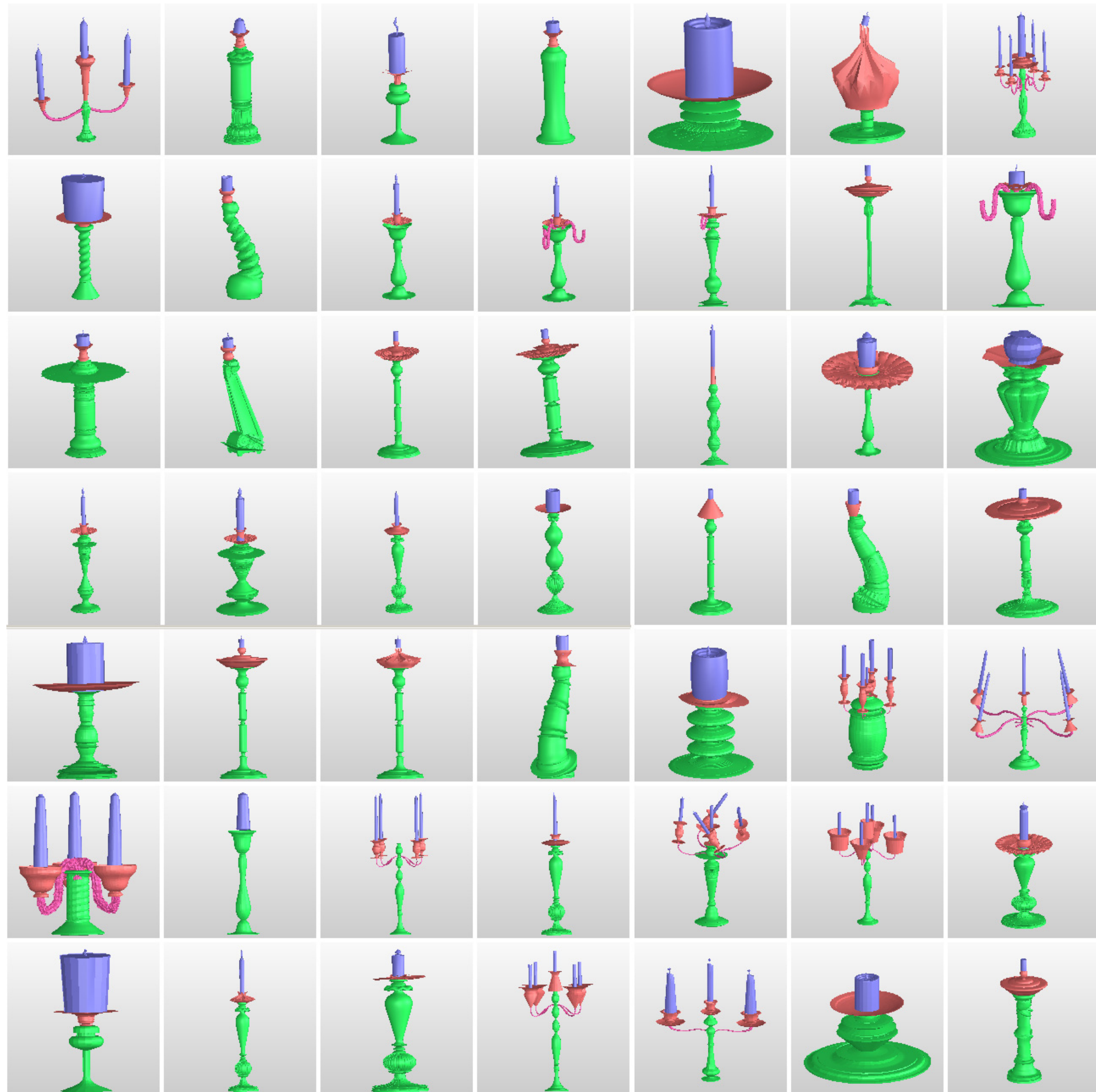
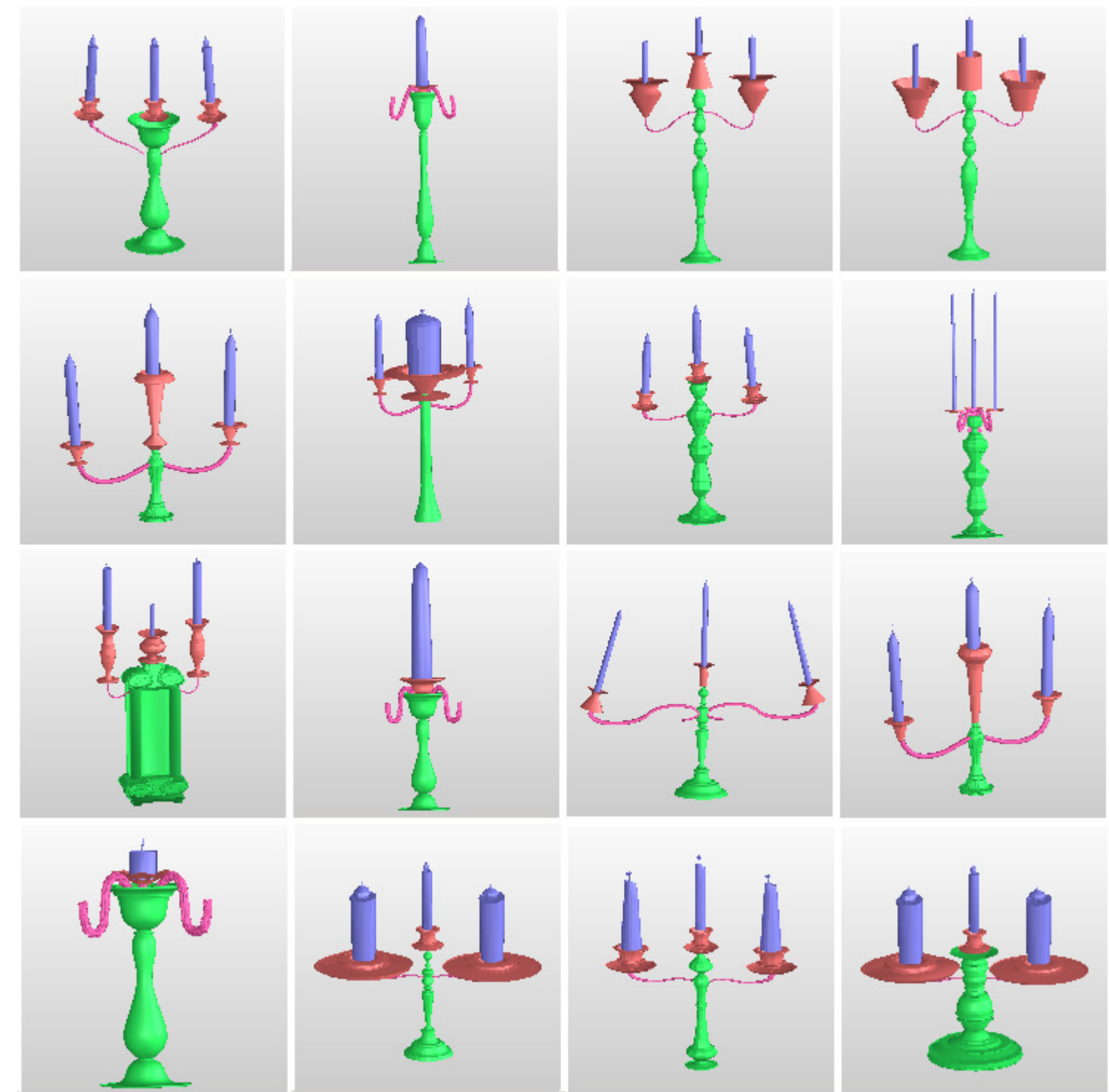(User preference: articulation desk lamps)

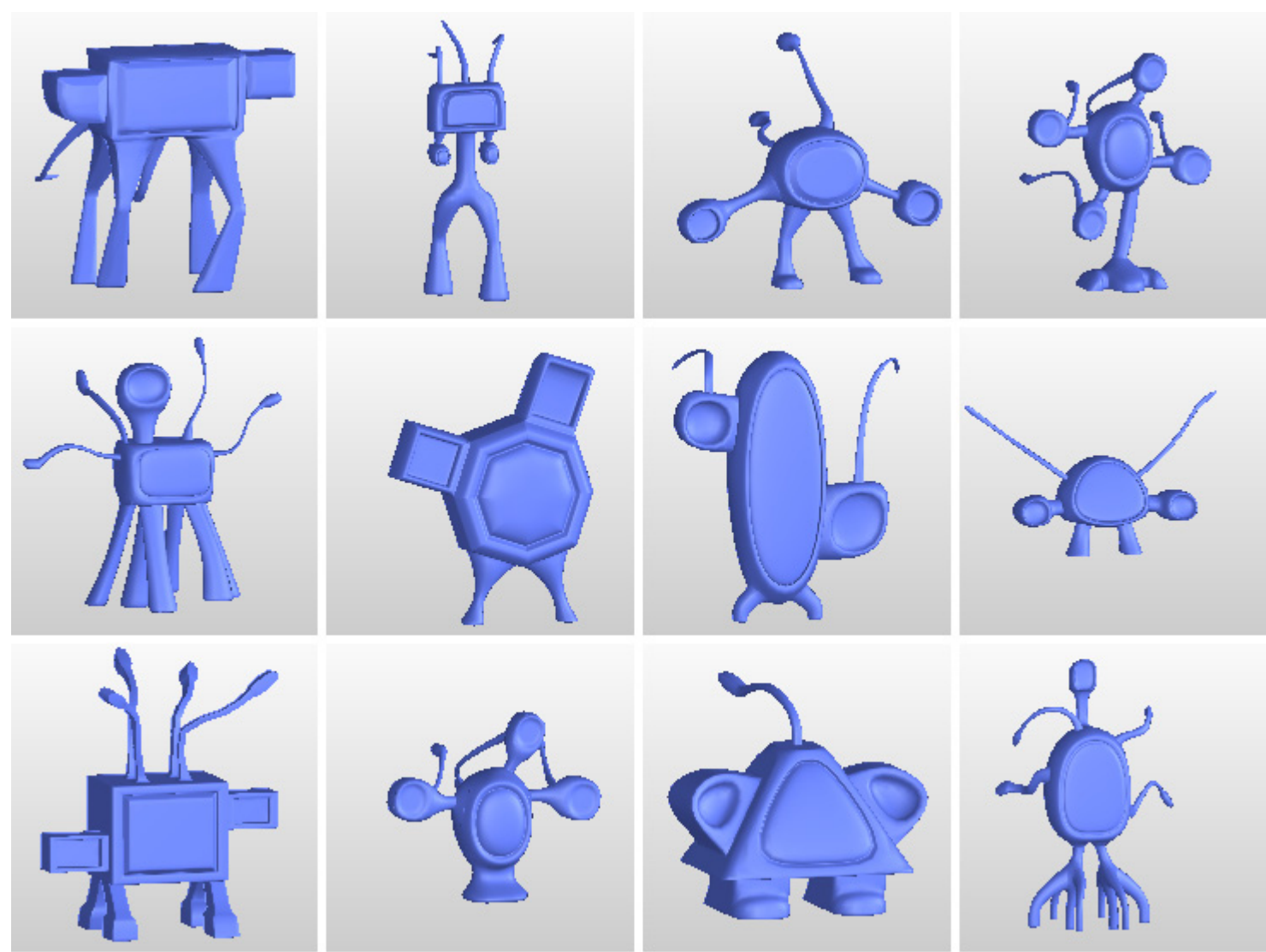# Candelabra

Input set

Set evolved with "fit-and-diverse"
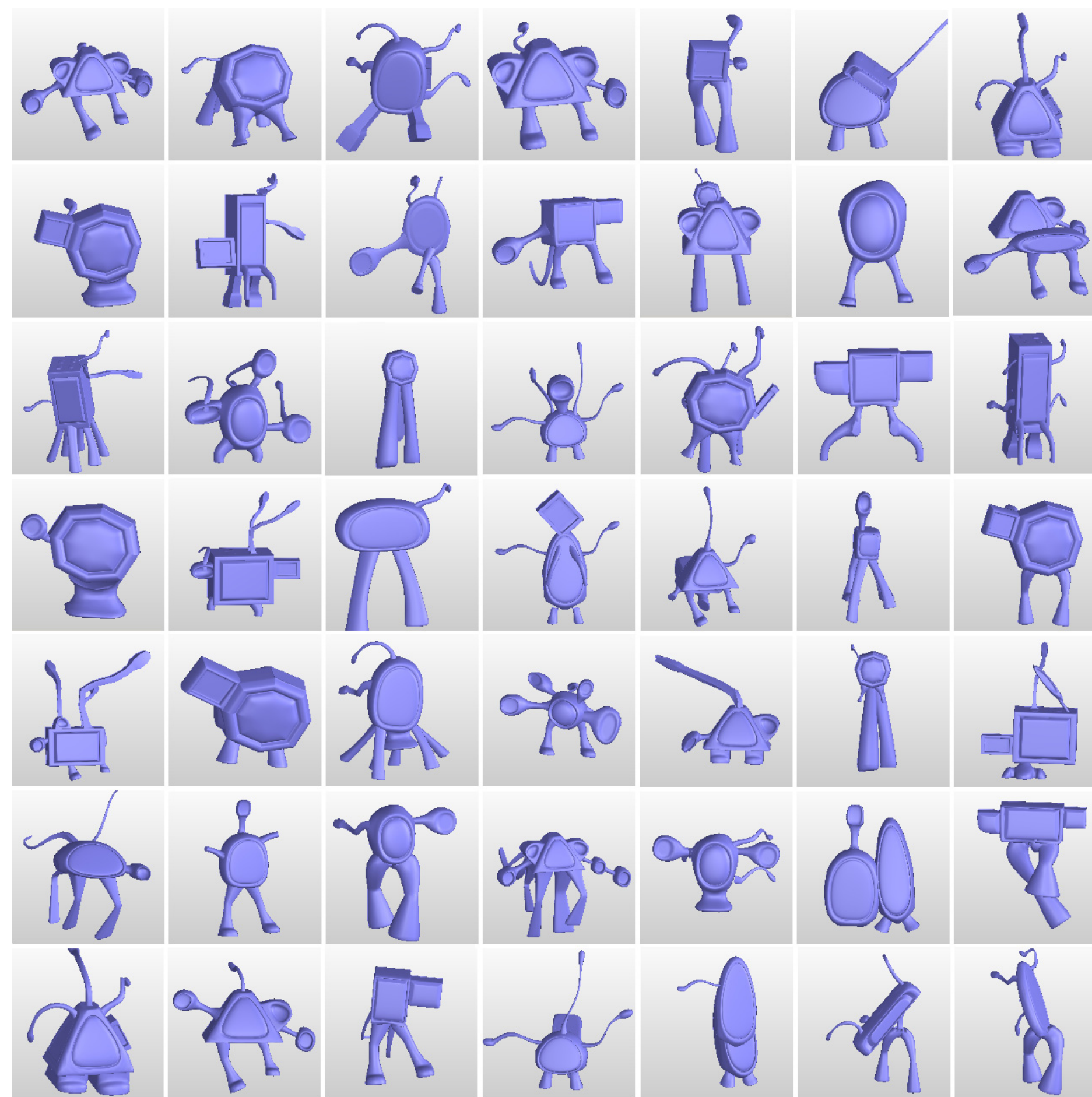
Set evolved with "fit-and-diverse"

Elite set evolved with "fit" only

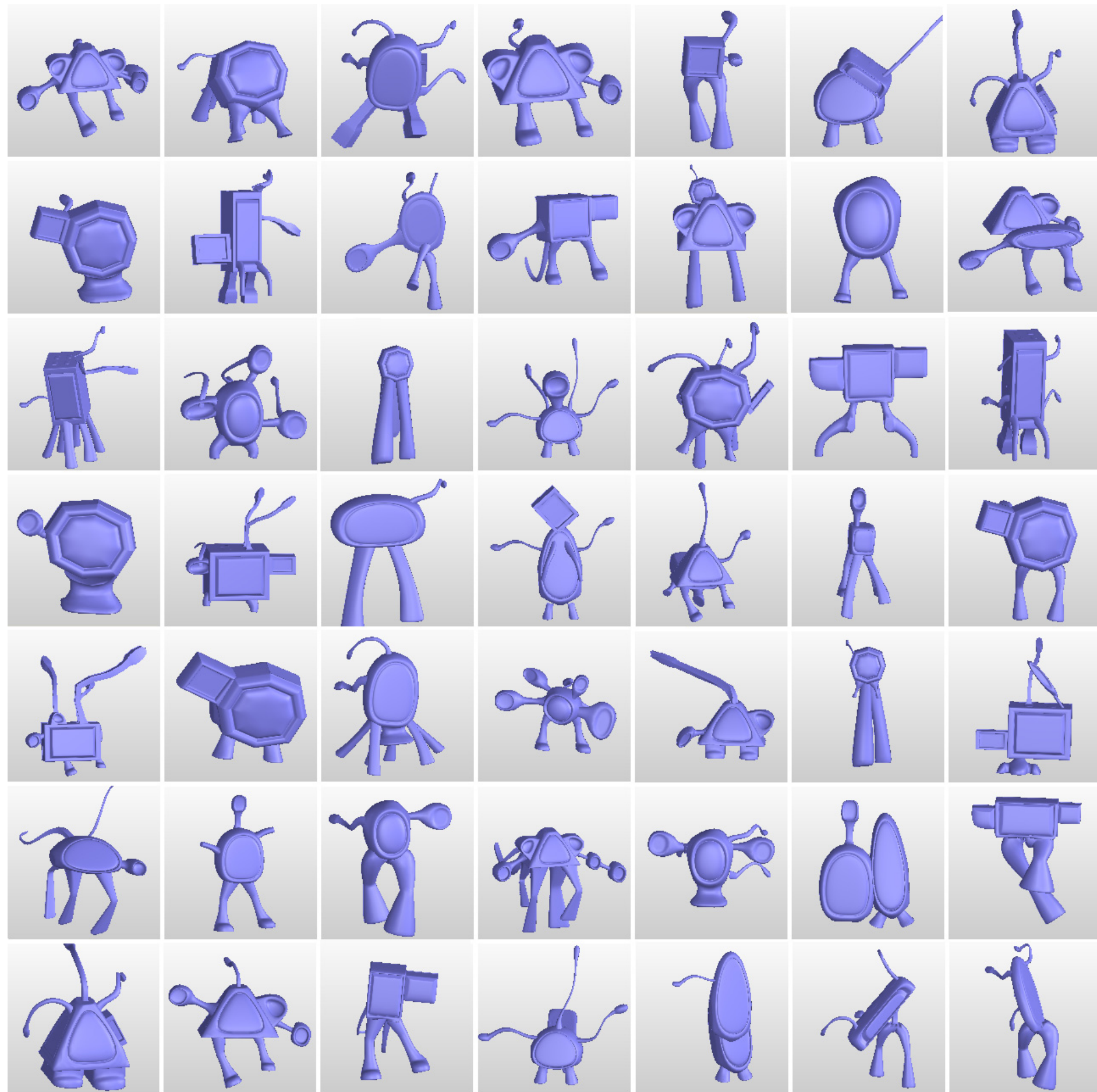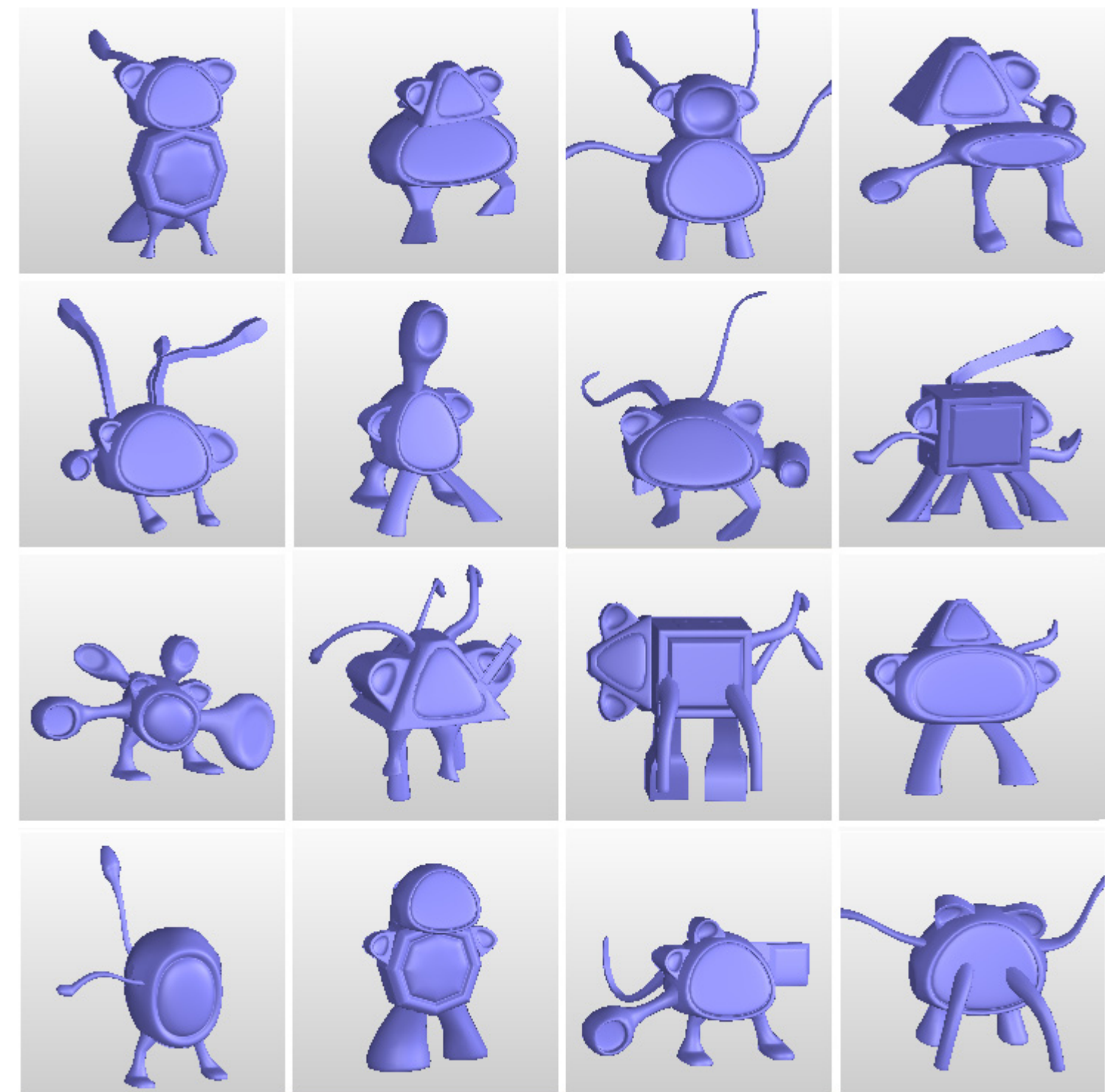(User preference: two-arm candelabra)

TV-aliens

Input set

Set evolved with "fit-and-diverse"

Set evolved with "fit-and-diverse"

Elite set evolved with "fit" only

(User preference: cat-like aliens)