

# The SBGN Survey

Stuart Moodie,  
COMBINE 20 Sep 2013



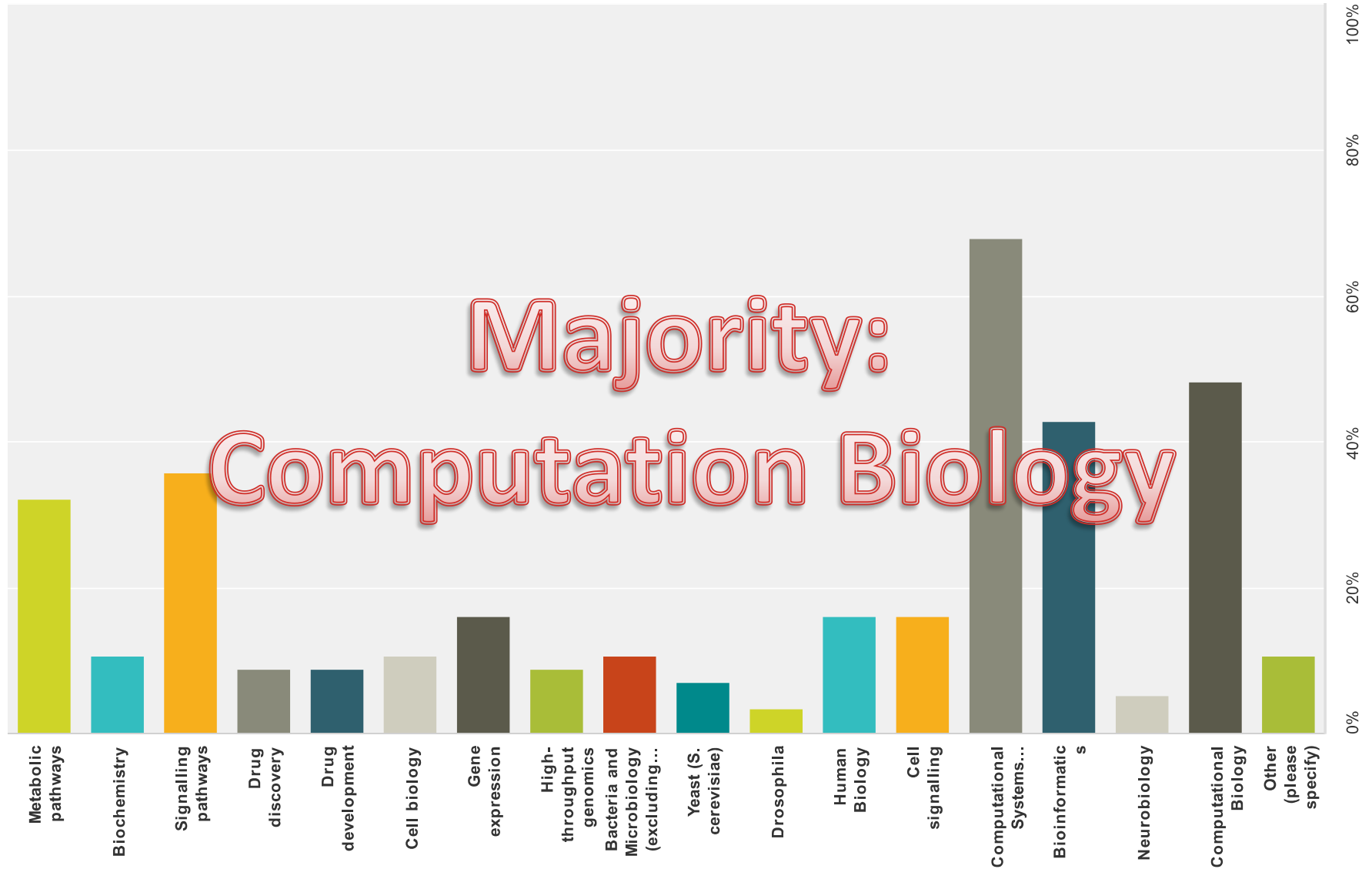
# Motivation

- Who uses it?
- Is it used?
- What's it used for?
- What's good?
- What can we improve?

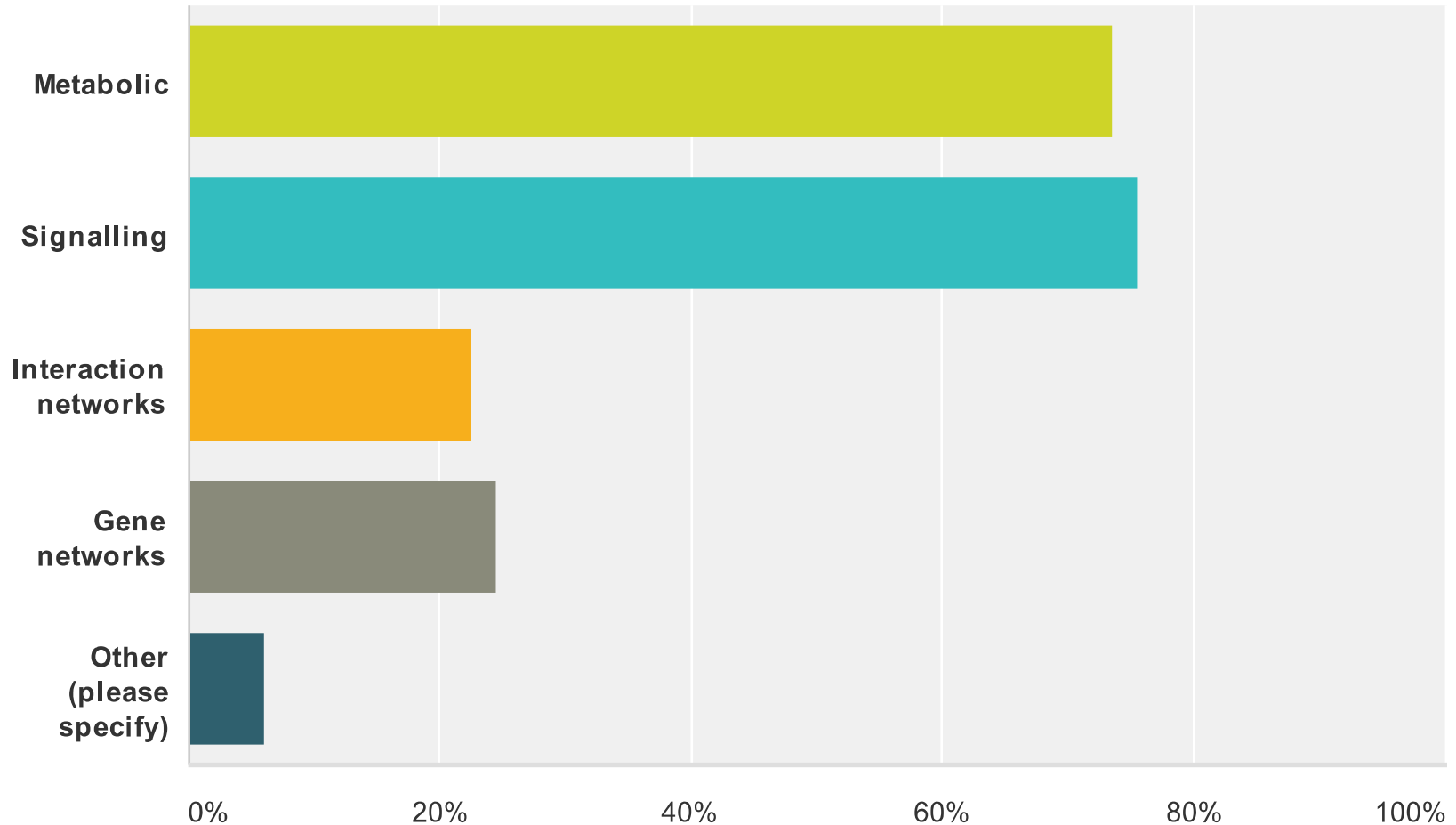
# Details

- Run from Apr – Sep 2013
- 67 Responses
- Majority from EU (58%) North America (32%)
- Vast majority academic (84%)
- No claims to be a representative sample!

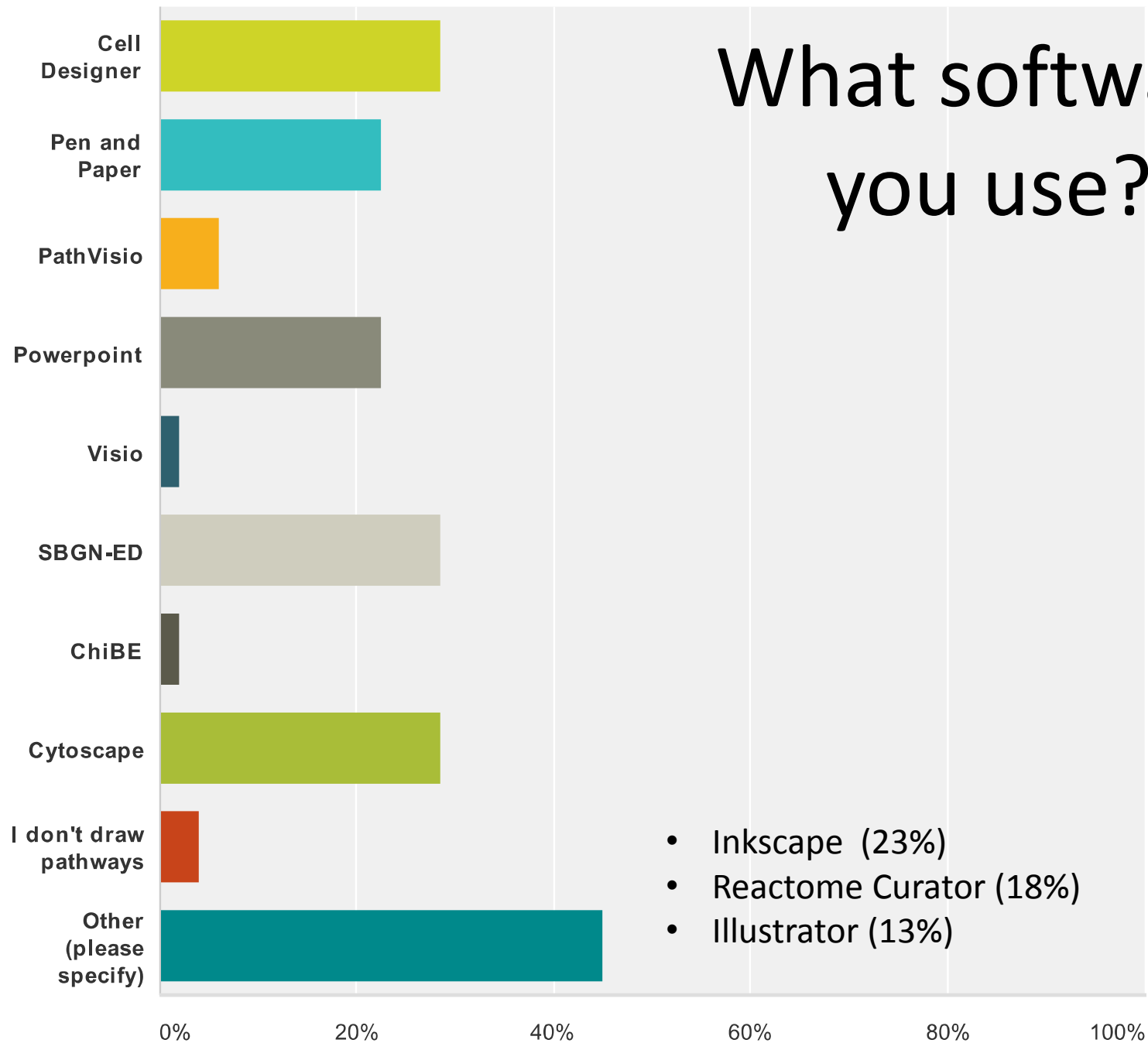
# Research Activities



# What Pathways?



# What software you use?



# Notations Used

## Read in papers etc

1. Cartoon (freestyle)
2. CellDesigner
3. SBGN
4. MIM
5. mEPN

## Familiarity

1. Cartoon (freestyle)
2. SBGN
3. CellDesigner
4. MIM
5. mEPN

## Written by you

- Cartoon
- SBGN
- CellDesigner
- MIM
- mEPN

# User Priorities

## Higher

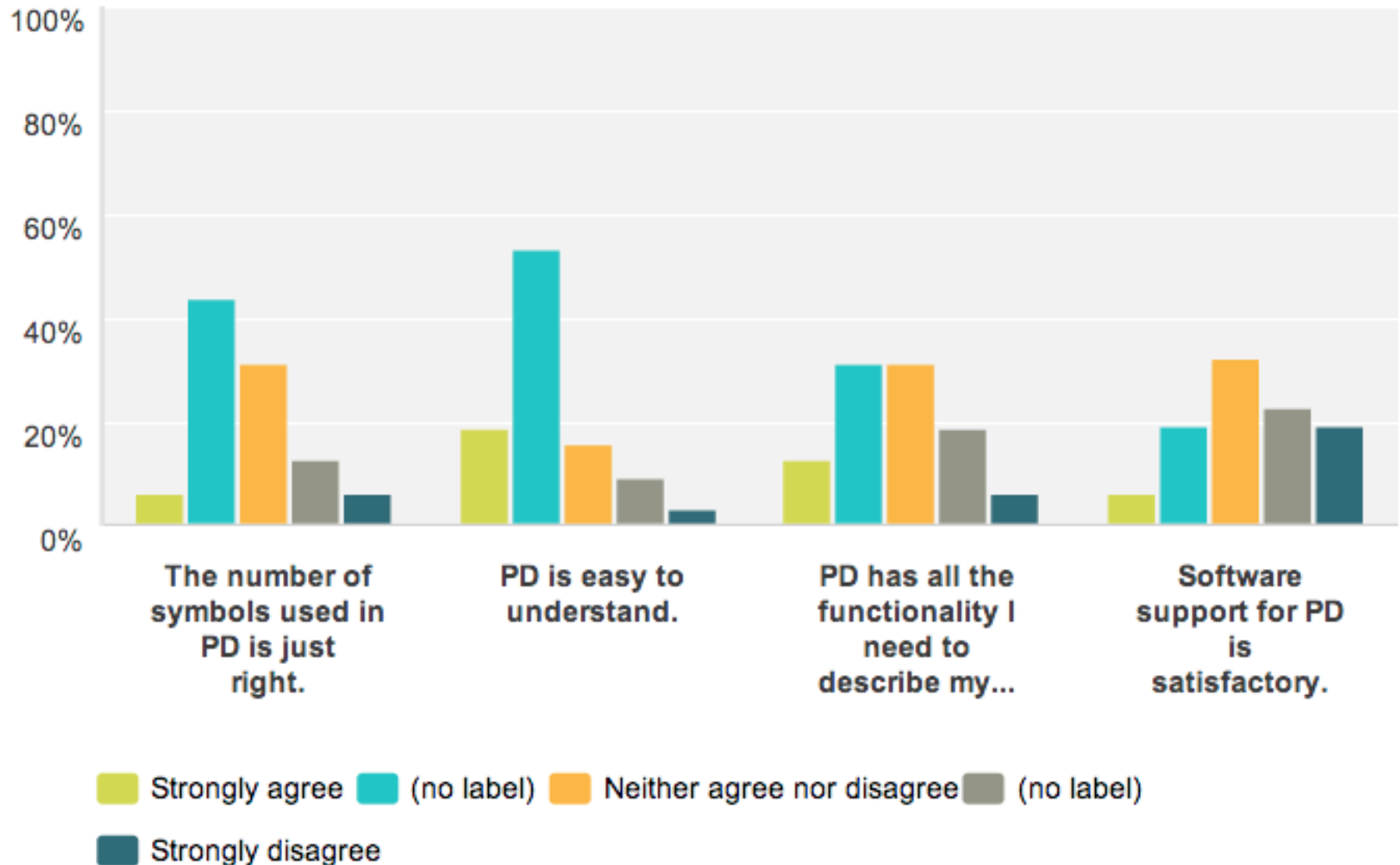
- Aesthetically pleasing
- Attractive diagrams
- Unambiguous
- Read without legend

## Neutral

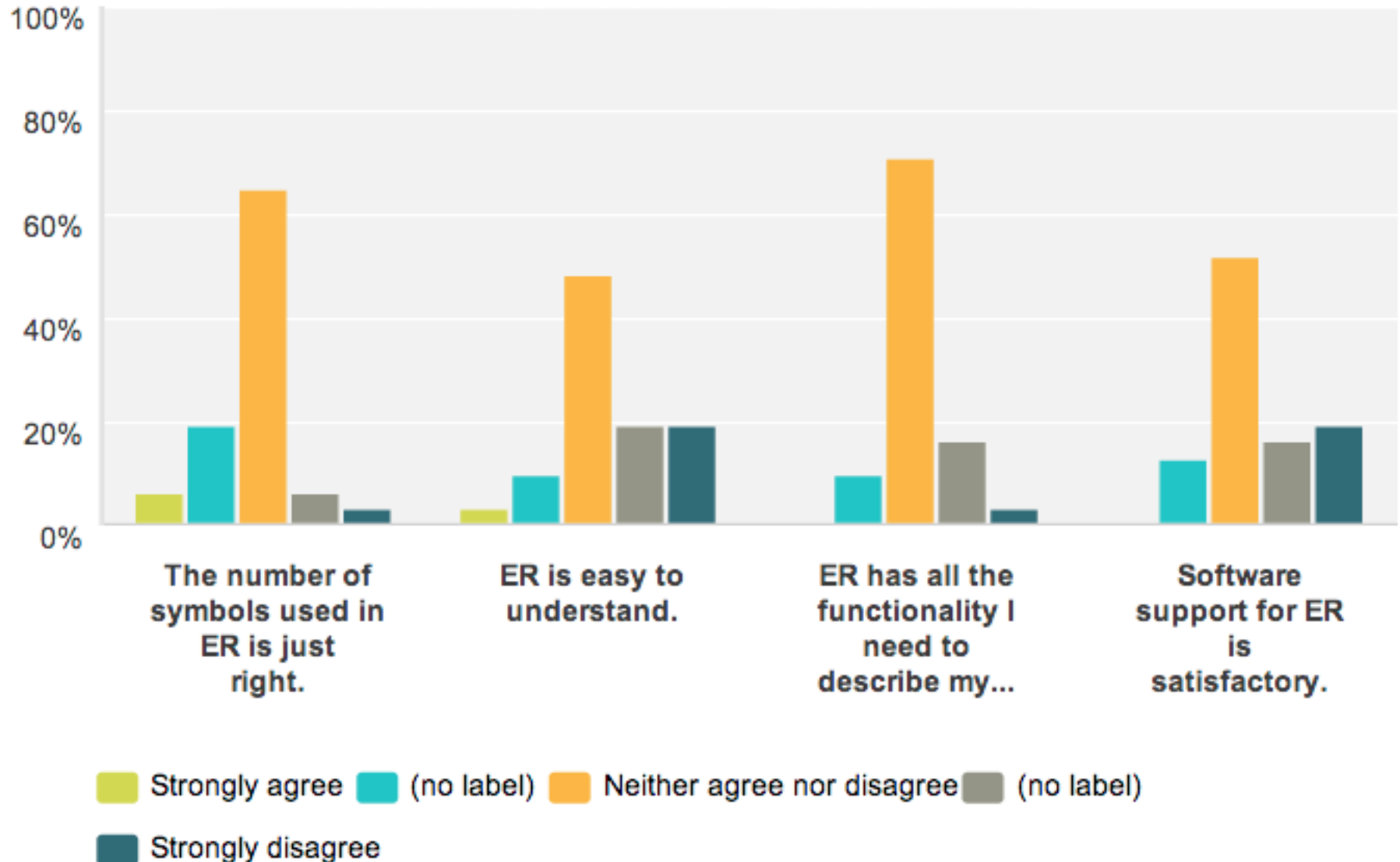
- Colour without meaning
- Different shapes for protein functions



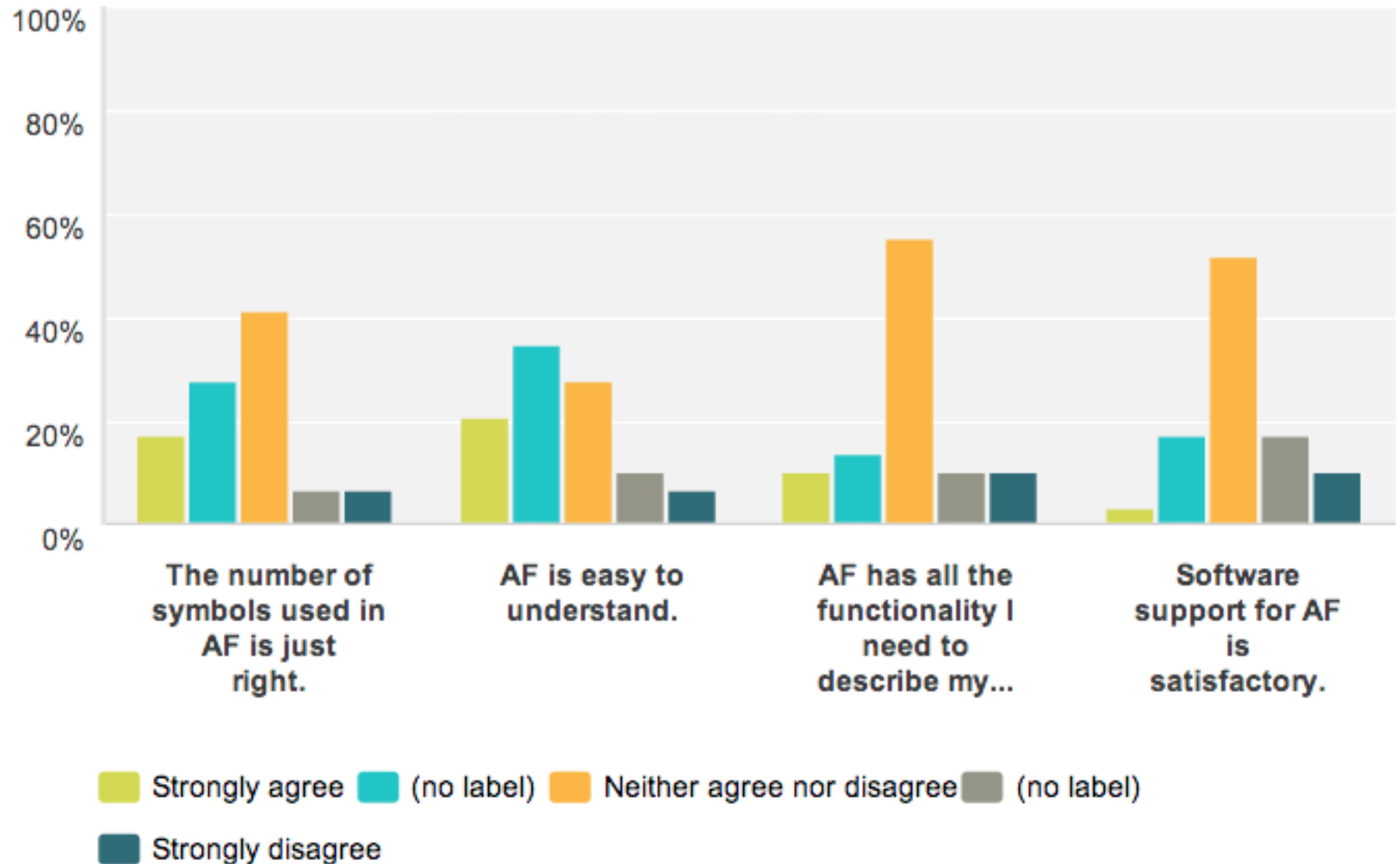
# Assessing PD



# Assessing ER



# Assessing AF



# Conclusions

- Being used to generate pathway diagrams
- User base: computational/systems biologists
- PD > AF > ER for understanding
- Software support less satisfactory

# Prize

- Was going to be a T-shirt
- £20 Amazon voucher
- Prize draw later?

# Thanks

- Everyone who responded!
- Feedback/comments:
  - SBGN Editors
  - Nicolas Le Novere
  - Alexander Mazein
  - Huaiyu Mi