

# The Categories

## You will be able to select one of seven categories:

- AB
- marginal AB
- symmetric
- marginal P1
- P1
- no expression
- ambiguous

## Assign a category to each gene using these criteria:

### **AB**

clear AB bias in staining in two or more 2-cell stage embryos.

### **marginal AB**

potentially some AB bias staining in more than one 2-cell stage embryo but also some ambiguity due to either faint differences in staining, too few 2-cell stage embryos, a lack in consistency, or difficulty in calling AB or P1 for a minority of embryos.

### **symmetric**

even staining between AB and P1 cells. This can occur at different staining levels.

### **marginal P1**

potentially some P1 bias staining in more than one 2-cell stage embryo but also some ambiguity due to either faint differences in staining, too few 2-cell stage embryos, a lack in consistency, or a difficulty in calling AB or P1 for a minority of embryos.

### **P1**

clear P1 bias in staining in two or more 2-cell stage embryos.

### **no expression**

no staining discernible at the 2-cell stage or staining too faint.

### **ambiguous**

too many inconsistencies to categorize between. These inconsistencies could be due to patterning, staining, or image quality. This category includes a mix of situations including (1) instances where some embryos have AB-biased and others have P1-biased staining, or (2) some images are successfully stained and others are not or (3) embryos are too dark or too out of focus to score.