

## 1 “global\_variables” component

This component has no equations.

## 2 “PLA2\_cyto” component

$$\frac{d(PLA2\_cyto)}{d(time)} = (delta\_PLA2\_cyto\_rxn0 + delta\_PLA2\_cyto\_rxn2 + delta\_PLA2\_cyto\_rxn5)$$

## 3 “PLA2\_” component

$$\frac{d(PLA2\_)}{d(time)} = (delta\_PLA2\_rxn0 + delta\_PLA2\_rxn1)$$

## 4 “Ca” component

$$\frac{d(Ca)}{d(time)} = (delta\_Ca\_rxn1 + delta\_Ca\_rxn2)$$

## 5 “Ca\_PLA2\_” component

$$\frac{d(Ca\_PLA2\_)}{d(time)} = delta\_Ca\_PLA2\_rxn1$$

## 6 “Ca\_PLA2” component

$$\frac{d(Ca\_PLA2)}{d(time)} = (\delta_{Ca\_PLA2\_rxn2} + \delta_{Ca\_PLA2\_rxn3} + \delta_{Ca\_PLA2\_rxn4})$$

## 7 “DAG” component

$$\frac{d(DAG)}{d(time)} = \delta_{DAG\_rxn3}$$

## 8 “DAG\_Ca\_PLA2” component

$$\frac{d(DAG\_Ca\_PLA2)}{d(time)} = \delta_{DAG\_Ca\_PLA2\_rxn3}$$

## 9 “PIP2\_” component

$$\frac{d(PIP2\_)}{d(time)} = (\delta_{PIP2\_rxn4} + \delta_{PIP2\_rxn5})$$

## 10 “PIP2\_Ca\_PLA2” component

$$\frac{d(PIP2\_Ca\_PLA2)}{d(time)} = \delta_{PIP2\_Ca\_PLA2\_rxn4}$$

## 11 “PIP2\_PLA2” component

$$\frac{d(PIP2\_PLA2)}{d(time)} = \delta_{PIP2\_PLA2\_rxn5}$$

## 12 “AA” component

$$\frac{d(AA)}{d(time)} = (\delta_{AA\_rxn7} + \delta_{AA\_rxn8} + \delta_{AA\_rxn9} + \delta_{AA\_rxn10} + \delta_{AA\_rxn11} + \delta_{AA\_rxn6})$$

### **13 “APC” component**

$$\frac{d(APC)}{d(time)} = (\text{delta\_APC\_rxn6} + \text{delta\_APC\_rxn7} + \text{delta\_APC\_rxn8} + \text{delta\_APC\_rxn9} + \text{delta\_APC\_rxn10} + \text{delta\_APC\_rxn11})$$

### **14 “reaction0” component**

This component has no equations.

### **15 “reaction1” component**

This component has no equations.

### **16 “reaction2” component**

This component has no equations.

### **17 “reaction3” component**

This component has no equations.

### **18 “reaction4” component**

This component has no equations.

### **19 “reaction5” component**

This component has no equations.

### **20 “reaction6” component**

This component has no equations.

### **21 “reaction7” component**

This component has no equations.

## **22 “reaction8” component**

This component has no equations.

## **23 “reaction9” component**

This component has no equations.

## **24 “reaction10” component**

This component has no equations.

## **25 “reaction11” component**

This component has no equations.