

$$p_1 = p_1(\text{Input})$$

$S_{cyto}$

$S_{mem}$

$$p_2$$

$$S_{tot}$$

$$p_4 = p_4(x, S_{ves})$$

$S_{ves}$

$$p_3 = p_3(S_{mem})$$

MAPK<sub>pp</sub>

