

Q0 // m<sub>1,2→1</sub>

$$\frac{1}{1+e^{f_2} b_1 f_{2,1}} \mathbb{E} \left[ c_1 f_1 + c_1 f_2 + c_3 f_3 + e^{-f_2} u_1 (w_1 f_{1,2} + w_3 f_{1,3}) + \frac{e^{f_2} u_1 w_1 f_{2,1}}{1+e^{f_2} b_1 f_{2,1}} + \frac{u_1 (w_1 f_{2,2} + w_3 f_{2,3})}{1+e^{f_2} b_1 f_{2,1}} + \frac{w_1 (u_1 f_{1,1} + e^{f_2} u_3 f_{3,1})}{1+e^{f_2} b_1 f_{2,1}} - \frac{b_1 (w_1 f_{2,2} + w_3 f_{2,3}) (u_1 f_{1,1} + e^{f_2} u_3 f_{3,1})}{1+e^{f_2} b_1 f_{2,1}} + u_3 w_1 f_{3,2} + u_3 w_3 f_{3,3} \right]$$