

$$\begin{aligned}
\{ \{ C16 &= \frac{1}{2880 \beta_1 \beta_2 (1+d\kappa) (1+d\mu)} \\
& (9 d^5 Tc1^2 \alpha_1 \beta_2 + 2880 Tc0 \beta_1 \beta_2 + 240 d Tc1 \beta_1 \kappa - 1440 d Q2 Tc1 \beta_1 \kappa + \\
& 5 d^4 Tc1^2 \alpha_1 \beta_1 \kappa - 4 d Tc1^2 \alpha_2 \beta_1 \kappa + 2880 d Th0 \beta_1 \beta_2 \kappa + 120 d^3 Tc1 \beta_2 \mu - \\
& 360 d^3 Q2 Tc1 \beta_2 \mu + 4 d^6 Tc1^2 \alpha_1 \beta_2 \mu - 5 d^3 Tc1^2 \alpha_2 \beta_2 \mu + 2880 d Tc0 \beta_1 \beta_2 \mu + \\
& 360 d^2 Tc1 \beta_1 \kappa \mu - 1800 d^2 Q2 Tc1 \beta_1 \kappa \mu - 9 d^2 Tc1^2 \alpha_2 \beta_1 \kappa \mu + 2880 d^2 Th0 \beta_1 \beta_2 \kappa \mu) , \\
C26 &= \frac{1}{2880 \beta_1 \beta_2 (1+d\kappa) (1+d\mu)} (9 d^5 Tc1^2 \alpha_1 \beta_2 + 2880 Tc0 \beta_1 \beta_2 + 240 d Tc1 \beta_1 \kappa - \\
& 1440 d Q2 Tc1 \beta_1 \kappa + 5 d^4 Tc1^2 \alpha_1 \beta_1 \kappa - 4 d Tc1^2 \alpha_2 \beta_1 \kappa + 2880 d Th0 \beta_1 \beta_2 \kappa + 120 d^3 Tc1 \\
& \beta_2 \mu - 360 d^3 Q2 Tc1 \beta_2 \mu + 4 d^6 Tc1^2 \alpha_1 \beta_2 \mu - 5 d^3 Tc1^2 \alpha_2 \beta_2 \mu + 2880 d Tc0 \beta_1 \beta_2 \mu + \\
& 360 d^2 Tc1 \beta_1 \kappa \mu - 1800 d^2 Q2 Tc1 \beta_1 \kappa \mu - 9 d^2 Tc1^2 \alpha_2 \beta_1 \kappa \mu + 2880 d^2 Th0 \beta_1 \beta_2 \kappa \mu) , \\
C17 &= - \frac{1}{2880 \beta_1 \beta_2 (1+d\kappa) (1+d\mu)} (\kappa (-240 Tc1 \beta_1 + 1440 Q2 Tc1 \beta_1 - 5 d^3 Tc1^2 \alpha_1 \beta_1 + \\
& 4 Tc1^2 \alpha_2 \beta_1 + 9 d^5 Tc1^2 \alpha_1 \beta_2 + 2880 Tc0 \beta_1 \beta_2 - 2880 Th0 \beta_1 \beta_2 - 360 d Tc1 \beta_1 \mu + \\
& 1800 d Q2 Tc1 \beta_1 \mu + 9 d Tc1^2 \alpha_2 \beta_1 \mu + 120 d^3 Tc1 \beta_2 \mu - 360 d^3 Q2 Tc1 \beta_2 \mu + \\
& 4 d^6 Tc1^2 \alpha_1 \beta_2 \mu - 5 d^3 Tc1^2 \alpha_2 \beta_2 \mu + 2880 d Tc0 \beta_1 \beta_2 \mu - 2880 d Th0 \beta_1 \beta_2 \mu) , \\
C27 &= \frac{1}{2880 \beta_1 \beta_2 (1+d\kappa) (1+d\mu)} (240 Tc1 \beta_1 - 1440 Q2 Tc1 \beta_1 + 5 d^3 Tc1^2 \alpha_1 \beta_1 - \\
& 4 Tc1^2 \alpha_2 \beta_1 - 9 d^5 Tc1^2 \alpha_1 \beta_2 - 2880 Tc0 \beta_1 \beta_2 + 2880 Th0 \beta_1 \beta_2 + 360 d Tc1 \beta_1 \mu - \\
& 1800 d Q2 Tc1 \beta_1 \mu - 9 d Tc1^2 \alpha_2 \beta_1 \mu - 120 d^3 Tc1 \beta_2 \mu + 360 d^3 Q2 Tc1 \beta_2 \mu - \\
& 4 d^6 Tc1^2 \alpha_1 \beta_2 \mu + 5 d^3 Tc1^2 \alpha_2 \beta_2 \mu - 2880 d Tc0 \beta_1 \beta_2 \mu + 2880 d Th0 \beta_1 \beta_2 \mu) , \\
C23 &= \frac{1}{8 (1+d\mu)} (48 - 96 Q2 - d^3 Tc1 \alpha_1 - 4 Tc1 \alpha_2 + 24 d \mu - 24 d Q2 \mu - 3 d Tc1 \alpha_2 \mu) , \\
C25 &= - \frac{d (d^2 Tc1 \alpha_1 + 24 \mu - 72 Q2 \mu - Tc1 \alpha_2 \mu)}{48 (1+d\mu)} , \\
C24 &= \frac{-24 + 72 Q2 + d^3 Tc1 \alpha_1 + Tc1 \alpha_2}{12 (1+d\mu)} , \\
C15 &= - \frac{d (d^2 Tc1 \alpha_1 + 24 \mu - 72 Q2 \mu - Tc1 \alpha_2 \mu)}{48 (1+d\mu)} , \\
C14 &= \frac{(-24 + 72 Q2 + d^3 Tc1 \alpha_1 + Tc1 \alpha_2) \mu}{12 (1+d\mu)} , \\
C13 &= \frac{3 d^2 Tc1 \alpha_1 - 24 \mu + 72 Q2 \mu + 4 d^3 Tc1 \alpha_1 \mu + Tc1 \alpha_2 \mu}{8 d (1+d\mu)} , \\
C22 &= Tc1, C12 = Tc1, C11 = 0, C21 = 0 \} \} ;
\end{aligned}$$