

$$\begin{pmatrix} \sigma_1(1 - \gamma_{12}) & \sigma_2\rho_{21} & \mathbf{0} & \sigma_4\phi_4 & \sigma_5\phi_5 \\ \sigma_1\gamma_{12} & \sigma_2(1 - \gamma_{23} - \rho_{21}) & \sigma_3\rho_{32} & \mathbf{0} & \mathbf{0} \\ \mathbf{0} & \sigma_2\gamma_{23} & \sigma_3(1 - \gamma_{34} - \rho_{32}) & \sigma_4\rho_{43} & \mathbf{0} \\ \mathbf{0} & \mathbf{0} & \sigma_3\gamma_{34} & \sigma_4(1 - \gamma_{45} - \rho_{43}) & \sigma_5\rho_{54} \\ \mathbf{0} & \mathbf{0} & \mathbf{0} & \sigma_4\gamma_{45} & \sigma_5(1 - \rho_{54}) \end{pmatrix}$$