

$$\begin{pmatrix} \cdot & \alpha\pi_C & \beta\pi_G & \gamma\pi_T \\ \alpha\pi_A & \cdot & \delta\pi_G & \epsilon\pi_T \\ \beta\pi_A & \delta\pi_C & \cdot & \phi\pi_T \\ \gamma\pi_A & \epsilon\pi_C & \phi\pi_G & \cdot \end{pmatrix}$$

REV

$$\begin{pmatrix} \cdot & \beta\pi_C & \alpha\pi_G & \beta\pi_T \\ \beta\pi_A & \cdot & \beta\pi_G & \gamma\pi_T \\ \alpha\pi_A & \beta\pi_C & \cdot & \beta\pi_T \\ \beta\pi_A & \gamma\pi_C & \beta\pi_G & \cdot \end{pmatrix}$$

TN93

$$\begin{pmatrix} \cdot & \alpha & \beta & \gamma \\ \alpha & \cdot & \delta & \epsilon \\ \beta & \delta & \cdot & \phi \\ \gamma & \epsilon & \phi & \cdot \end{pmatrix}$$

SYM

$$\begin{pmatrix} \cdot & \beta\pi_C & (\beta + \frac{\alpha}{\pi_R})\pi_G & \beta\pi_T \\ \beta\pi_A & \cdot & \beta\pi_G & (\beta + \frac{\alpha}{\pi_Y})\pi_T \\ (\beta + \frac{\alpha}{\pi_R})\pi_A & \beta\pi_C & \cdot & \beta\pi_T \\ \beta\pi_A & (\beta + \frac{\alpha}{\pi_Y})\pi_C & \beta\pi_G & \cdot \end{pmatrix}$$

F84

$$\begin{pmatrix} \cdot & \beta\pi_C & \alpha\pi_G & \beta\pi_T \\ \beta\pi_A & \cdot & \beta\pi_G & \alpha\pi_T \\ \alpha\pi_A & \beta\pi_C & \cdot & \beta\pi_T \\ \beta\pi_A & \alpha\pi_C & \beta\pi_G & \cdot \end{pmatrix}$$

HKY85

$$\begin{pmatrix} \cdot & \alpha\pi_C & \alpha\pi_G & \alpha\pi_T \\ \alpha\pi_A & \cdot & \alpha\pi_G & \alpha\pi_T \\ \alpha\pi_A & \alpha\pi_C & \cdot & \alpha\pi_T \\ \alpha\pi_A & \alpha\pi_C & \alpha\pi_G & \cdot \end{pmatrix}$$

F81

$$\begin{pmatrix} \cdot & \beta\pi_C & \alpha\pi_C & \beta\pi_A \\ \beta\pi_A & \cdot & \beta\pi_C & \alpha\pi_A \\ \alpha\pi_A & \beta\pi_C & \cdot & \beta\pi_A \\ \beta\pi_A & \alpha\pi_C & \beta\pi_C & \cdot \end{pmatrix}$$

CS05

$$\begin{pmatrix} \cdot & \beta & \alpha & \gamma \\ \beta & \cdot & \gamma & \alpha \\ \alpha & \gamma & \cdot & \beta \\ \gamma & \alpha & \beta & \cdot \end{pmatrix}$$

K81

$$\begin{pmatrix} \cdot & \beta & \alpha & \beta \\ \beta & \cdot & \beta & \alpha \\ \alpha & \beta & \cdot & \beta \\ \beta & \alpha & \beta & \cdot \end{pmatrix}$$

K80

$$\begin{pmatrix} \cdot & \alpha & \alpha & \alpha \\ \alpha & \cdot & \alpha & \alpha \\ \alpha & \alpha & \cdot & \alpha \\ \alpha & \alpha & \alpha & \cdot \end{pmatrix}$$

JC69