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Erratum

Intrastrand Parity Rules of DNA Base Composition and Usage Biases of Synonymous Codons

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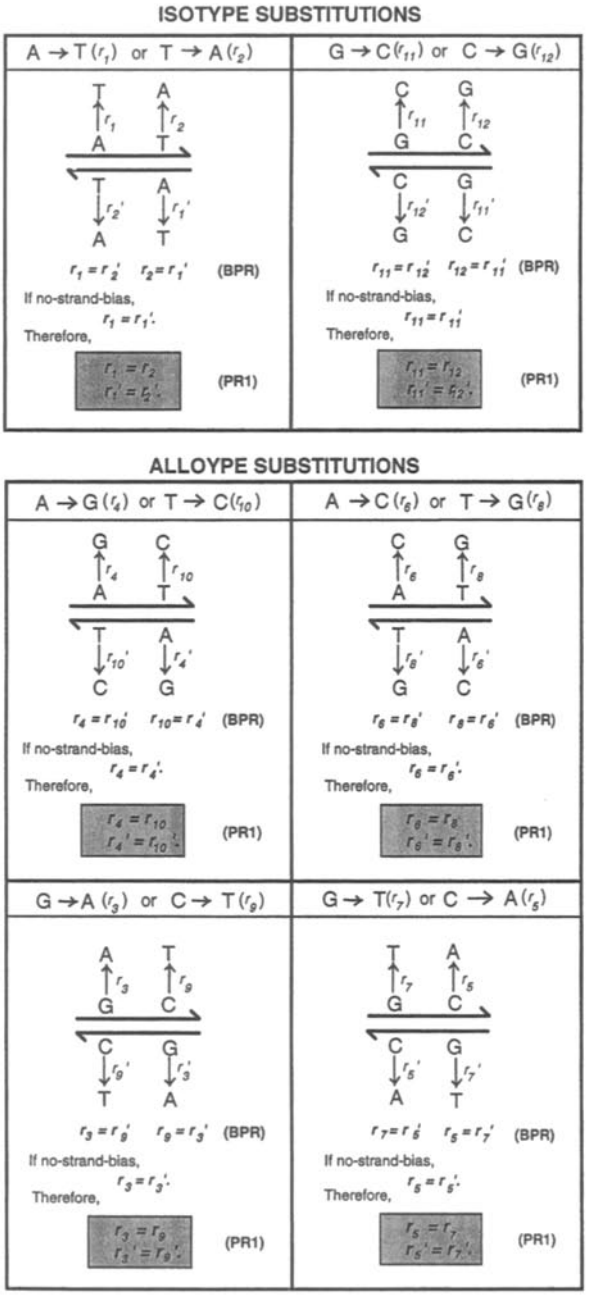
Page 324, With corrections of errors, the diagram of Appendix I and some equations in Appendix II should appear as follows:

Appendix I: A Logical Derivation of PRI



Appendix 2: Equations for the Calculation of *A*, *T*, *G*, and *C* at Equilibrium

$$
\begin{aligned}
dA/dt &= (-r_1\text{-}r_4\text{-}r_6)A+r_2T+r_3G+r_5(1\text{-}A\text{-}T\text{-}G)=0\\
dT/dt &= r_1A+(-r_2\text{-}r_8\text{-}r_{10})T+r_7(1\text{-}A\text{-}T\text{-}C)+r_9C=0\\
dG/dt &= r_4A+r_8(1\text{-}A\text{-}G\text{-}C)+(-r_3\text{-}r_7\text{-}r_{11})G+r_{12}C=0\\
dC/dt &= r_6(1\text{-}T\text{-}G\text{-}C)+r_{10}T+r_{11}G+(-r_5\text{-}r_9\text{-}r_{12})C=0,
\end{aligned}
$$

or

$$
\begin{aligned}
dA/dt &= (-r_1\text{-}r_4\text{-}r_5\text{-}r_6)A+(r_2\text{-}r_5)T+(r_3\text{-}r_5)G+0{*}C+r_5=0\\
dT/dt &= (r_1\text{-}r_7)A+(-r_2\text{-}r_7\text{-}r_8\text{-}r_{10})T+0{*}G+(r_9\text{-}r_7)C+r_7=0\\
dG/dt &= (r_4\text{-}r_8)A+0{*}T+(-r_3\text{-}r_7\text{-}r_8\text{-}r_{11})G+(r_{12}\text{-}r_8)C+r_8=0\\
dC/dt &= 0{*}A+(r_{10}\text{-}r_6)T+(r_{11}\text{-}r_6)G+(-r_5\text{-}r_6\text{-}r_9\text{-}r_{12})C+r_6=0.
\end{aligned}
$$