

$$\max \sum_{i=1}^{834} \left\{ 1 - \prod_{j=1}^{w_i} \left[1 - \alpha \left(\frac{P_0}{(1 + aMD_i)(1 + bTD_i)} + l_i \right) \frac{1}{d_{ij} + l_i} \right] \right\} \quad (1)$$