$$Z_j = \sum_{i=1}^{n} |Z_{ij}|w_i \quad Z_j \in [0,6] \qquad (4.1)$$

$$P_j = \frac{e^{-RZ_j}}{\sum_{j=a}^{f} e^{-RZ_j}} \quad P_j \in [0, 1] \qquad (4.2)$$

$$P_j = P_{\text{basis}} \sum_{i=1}^{n} w_i \sum_{k=a}^{f} P_{ik} Q_{ik} \quad P_j \in [0, 1] \qquad (4.3)$$

Table 2
Adjustment factors for the basis probabilities

Parent RIF's state	Adjustment factors Q
f	10^a
e	7^a
d	4^a
c	1
b	0.55
a	0.1

[a] These adjustment factors are only valid for basis probabilities $p < 0.1$.