The formulae (28) and (29) were printed incorrectly. In their correct form, they read

\[
k_{\pm l}^{\text{cat}} = k_l^V \left( \frac{k_l^{\text{eq}} \prod_i (k_i^M)^{-n_{il}}} {k_l} \right)^{\pm 1/2} \quad (28)
\]

\[
\ln k_{\pm l}^{\text{cat}} = \ln k_l^V \pm \frac{1}{2} \ln k_l^{\text{eq}} \mp \sum_i \frac{N_{il}}{2} \ln k_i^M \quad (29)
\]