Erratum: Three-body interactions improve contact prediction within direct-coupling analysis **[Phys. Rev. E **96**, 052405 (2017)]**

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This article contains two typographical errors.

The first one is located in Sec. II B at the end of the paragraph and involves the equation for computation of the score S_{ij} . Each norm $\|\dots\|$ in the formula has an erroneous square and the respective arguments should be the coupling matrices $\hat{\mathbf{J}}_{ij}$ in zero-sum gauge (indicated by the hat). The correct equation is

$$S_{ij} = \|\hat{\mathbf{J}}_{ij}\|_2 - \frac{\|\hat{\mathbf{J}}_{:j}\|_2 \|\hat{\mathbf{J}}_{i:}\|_2}{\|\hat{\mathbf{J}}_{::}\|_2},$$

and the norms read $\|\hat{\mathbf{J}}_{ij}\|_2 = \sqrt{\sum_{l,m=1}^q \hat{J}_{ij}(l, m)^2}$.

The second typographical error is located in the $\hat{J}_{ij}$ calculation in Eq. (B5). The equation contains the erroneous term $[V_{ijk}^{\text{red}}(\mu(r), m, \eta)]$ with a missing mapping μ in the second argument. It should be $V_{ijk}^{\text{red}}(\mu(r), \mu(m), \eta)$. The corrected full Eq. (B5) is

$$\begin{aligned} \hat{J}_{ij}(l, m) = & J_{ij}(l, m) + \frac{1}{q} \sum_{r=1}^q \left[-J_{ij}(r, m) - J_{ij}(l, r) + \frac{1}{q} \sum_{s=1}^q J_{ij}(r, s) \right] + \frac{1}{q_{\text{red}}} \sum_{k=1}^N \sum_{\eta=1}^{q_{\text{red}}} \left[V_{ijk}^{\text{red}}(\mu(l), \mu(m), \eta) \right. \\ & \left. + \frac{1}{q} \sum_{r=1}^q \left[-V_{ijk}^{\text{red}}(\mu(r), \mu(m), \eta) - V_{ijk}^{\text{red}}(\mu(l), \mu(r), \eta) + \frac{1}{q} \sum_{s=1}^q V_{ijk}^{\text{red}}(\mu(r), \mu(s), \eta) \right] \right]. \end{aligned}$$