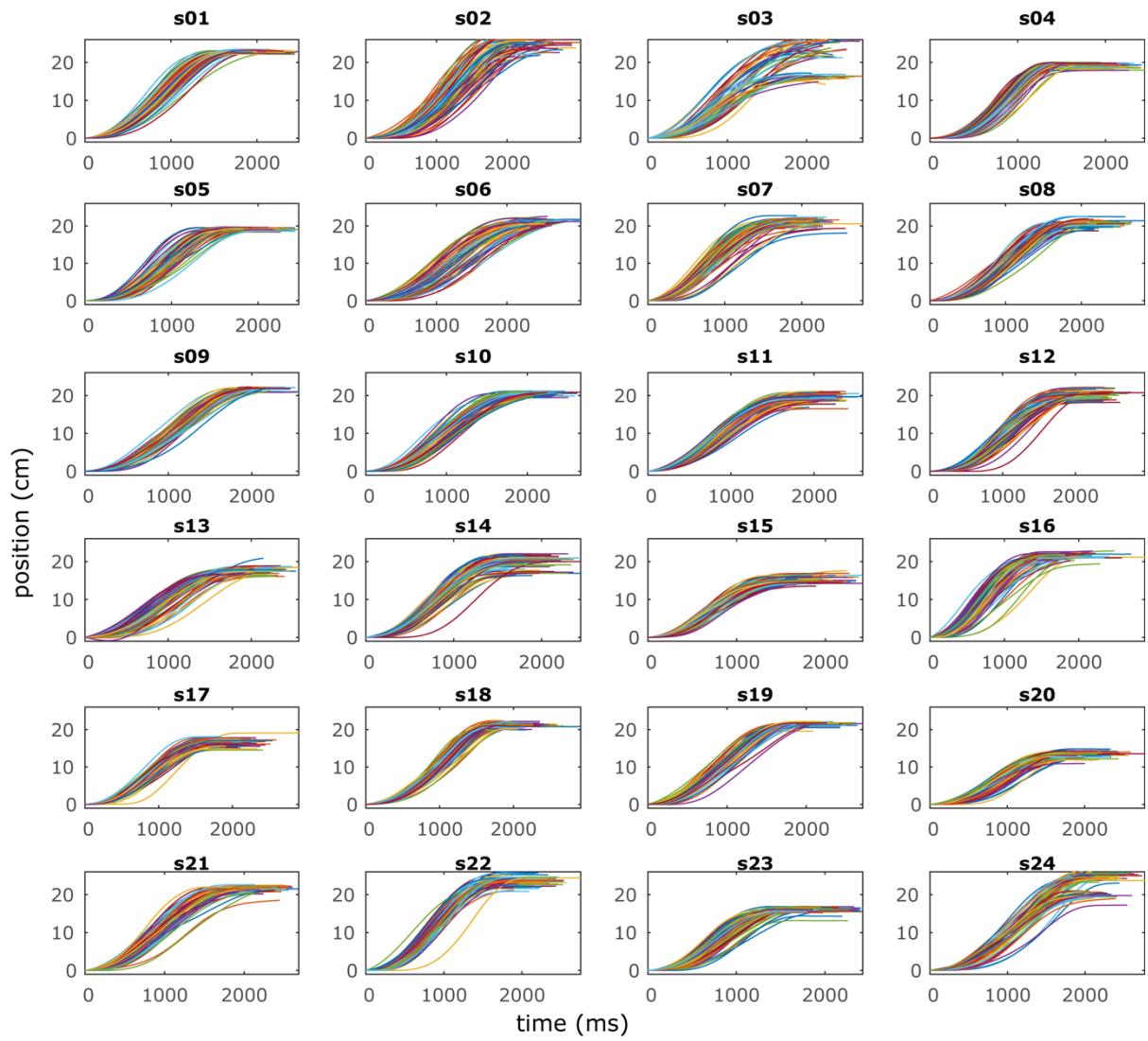
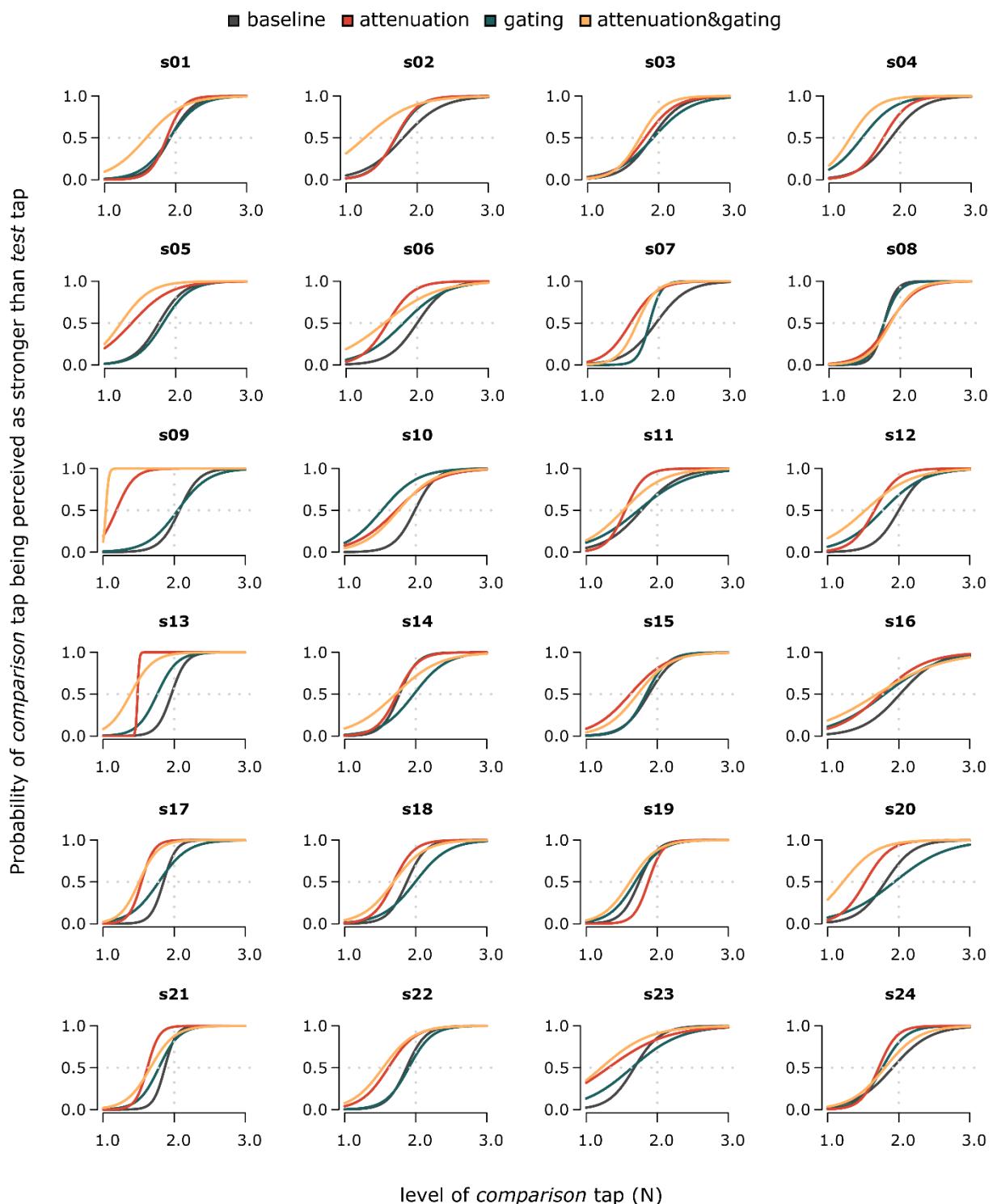


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2 **Supplementary Fig. S1. Position traces for the participants' movements under the *gating*
3 condition.**

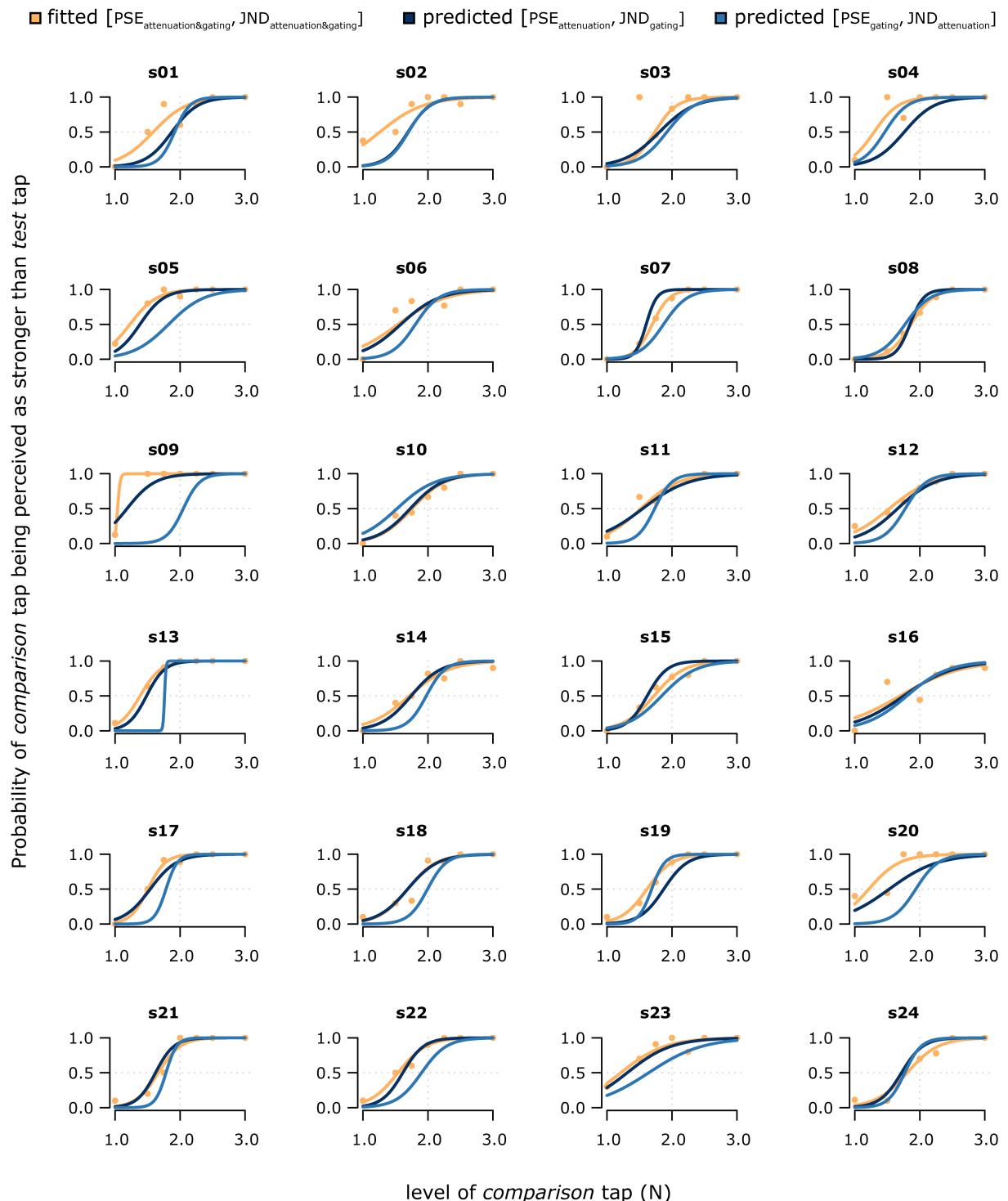


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5 **Supplementary Fig. S2. Position traces for the participants' movements under the**
6 *attenuation&gating* condition.

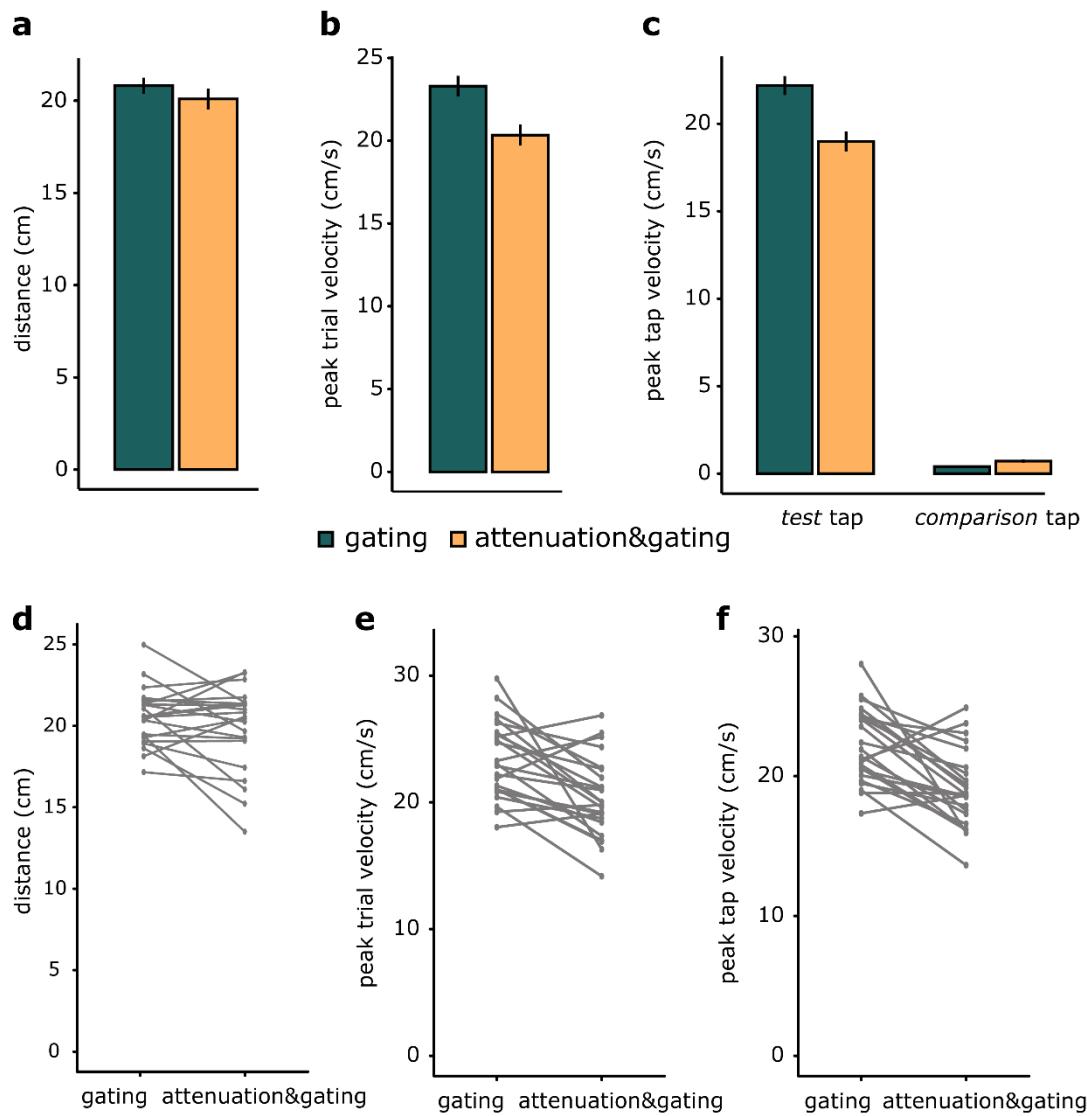


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Supplementary Fig. S3. Fitted logistic models based on the participants' responses under each condition.



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11 **Supplementary Fig. S4.** Fitted logistic models based on the participants' responses under
12 the *attenuation&gating* condition (yellow) and predicted logistic curves based on the
13 participants' PSE and JND in the *attenuation* and *gating* conditions (blue).



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Supplementary Fig. S5. Movement parameters for the *attenuation* and *attenuation&gating* conditions. Bar graphs show **(a)** the total distance (mean \pm SEM) run by the participants' left arm, **(b)** the peak velocity (mean \pm SEM) for the entire trial duration, and **(c)** the peak velocity (mean \pm SEM) at the intervals of the two taps. **(d, e, f)** Line plots illustrate the differences in distance, peak trial velocity and peak tap velocity between the *gating* and *attenuation&gating* conditions.