

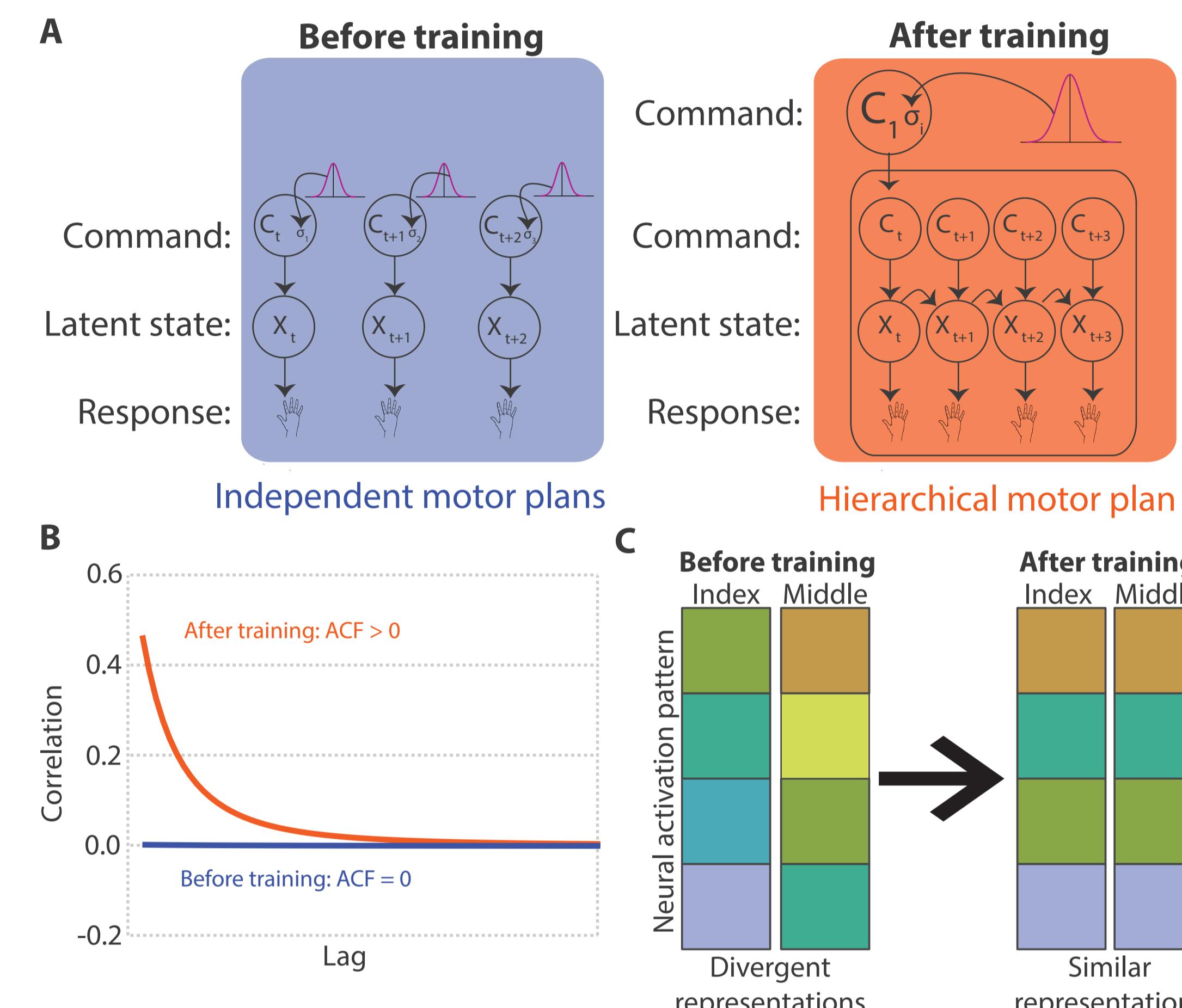
Dissociable local and global plasticity resulting from motor sequence learning

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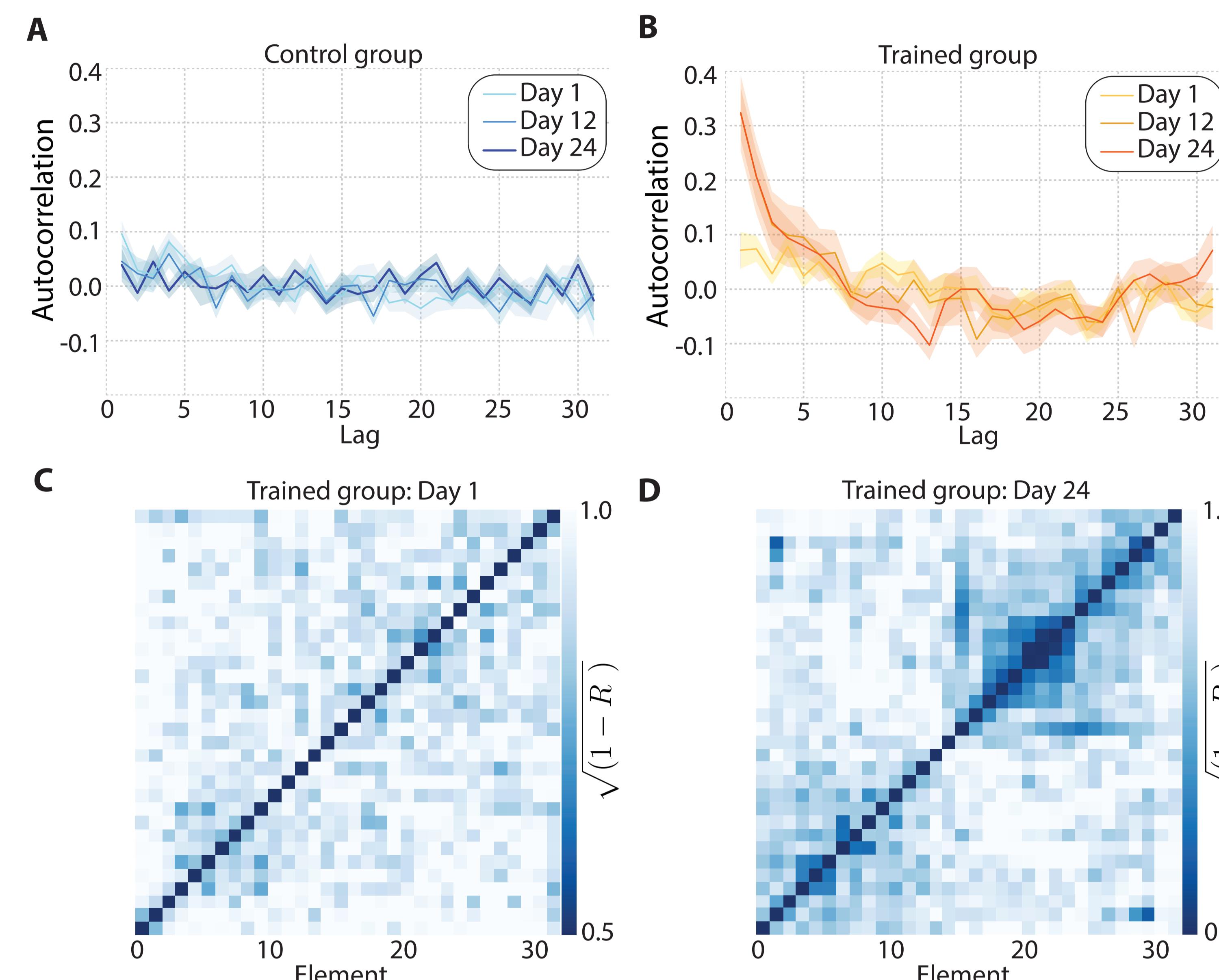
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Introduction

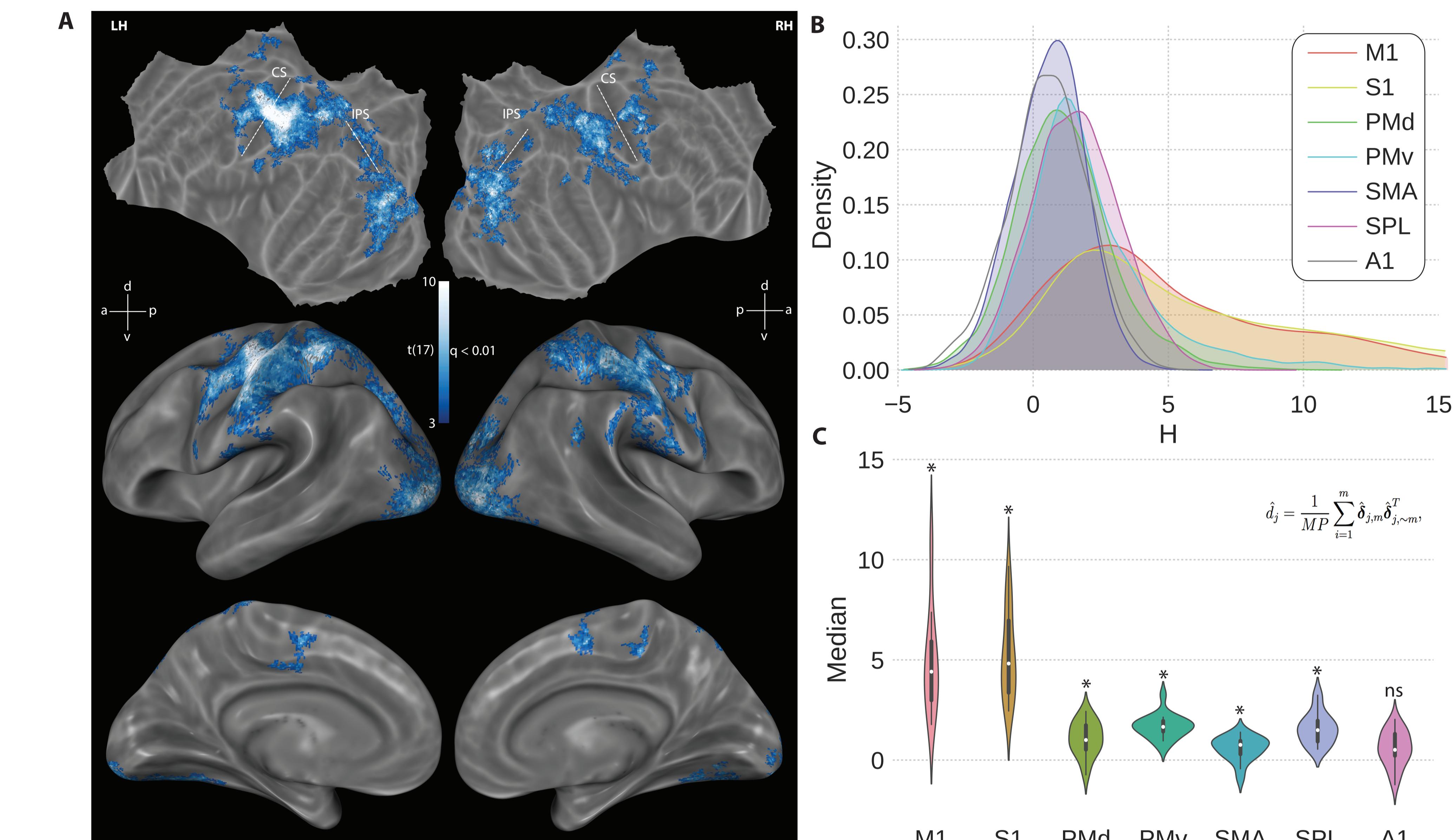
Serial action binding is central to efficient movement.
It is unknown how this is coordinated within the motor control hierarchy.



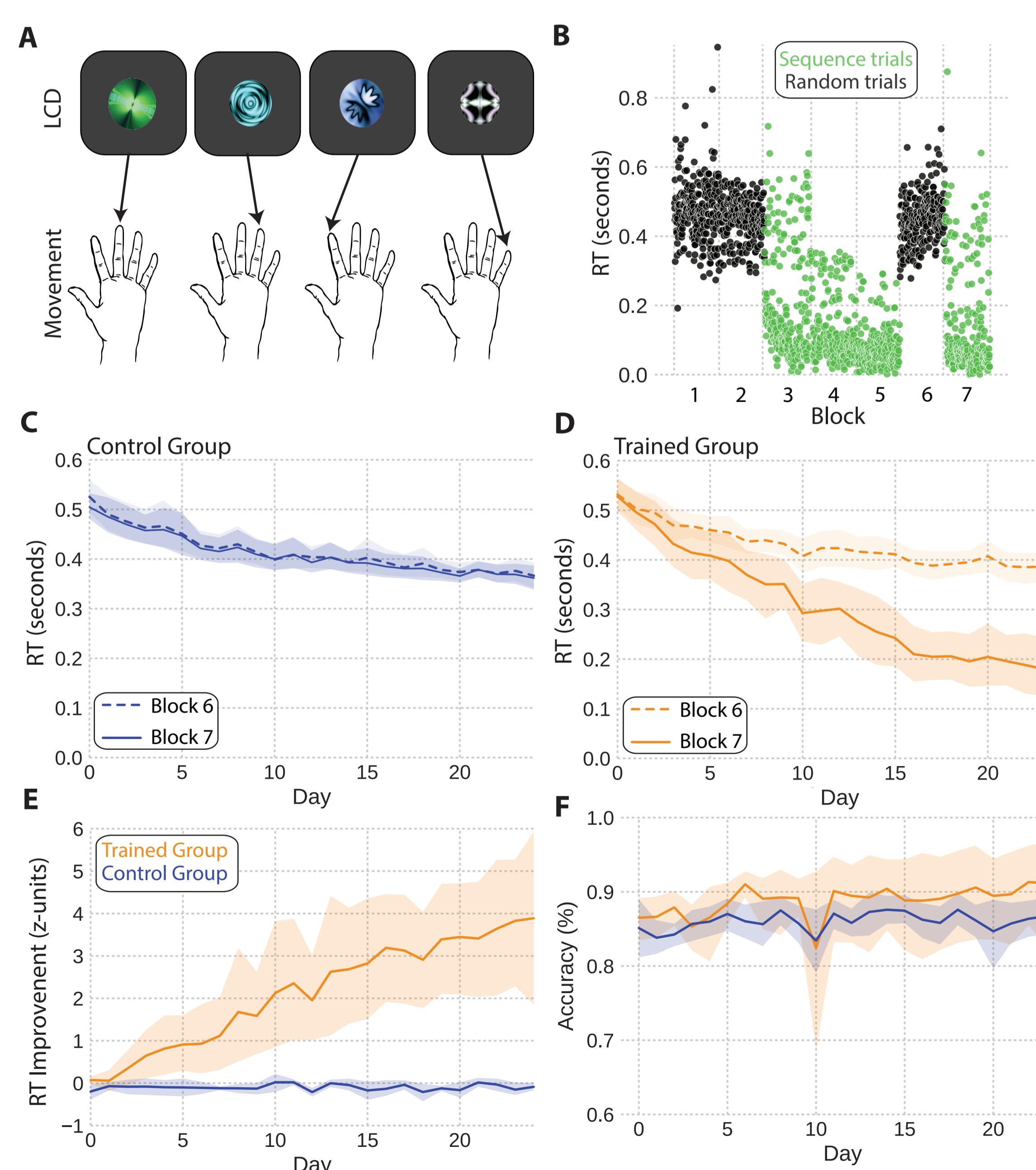
2. Action binding



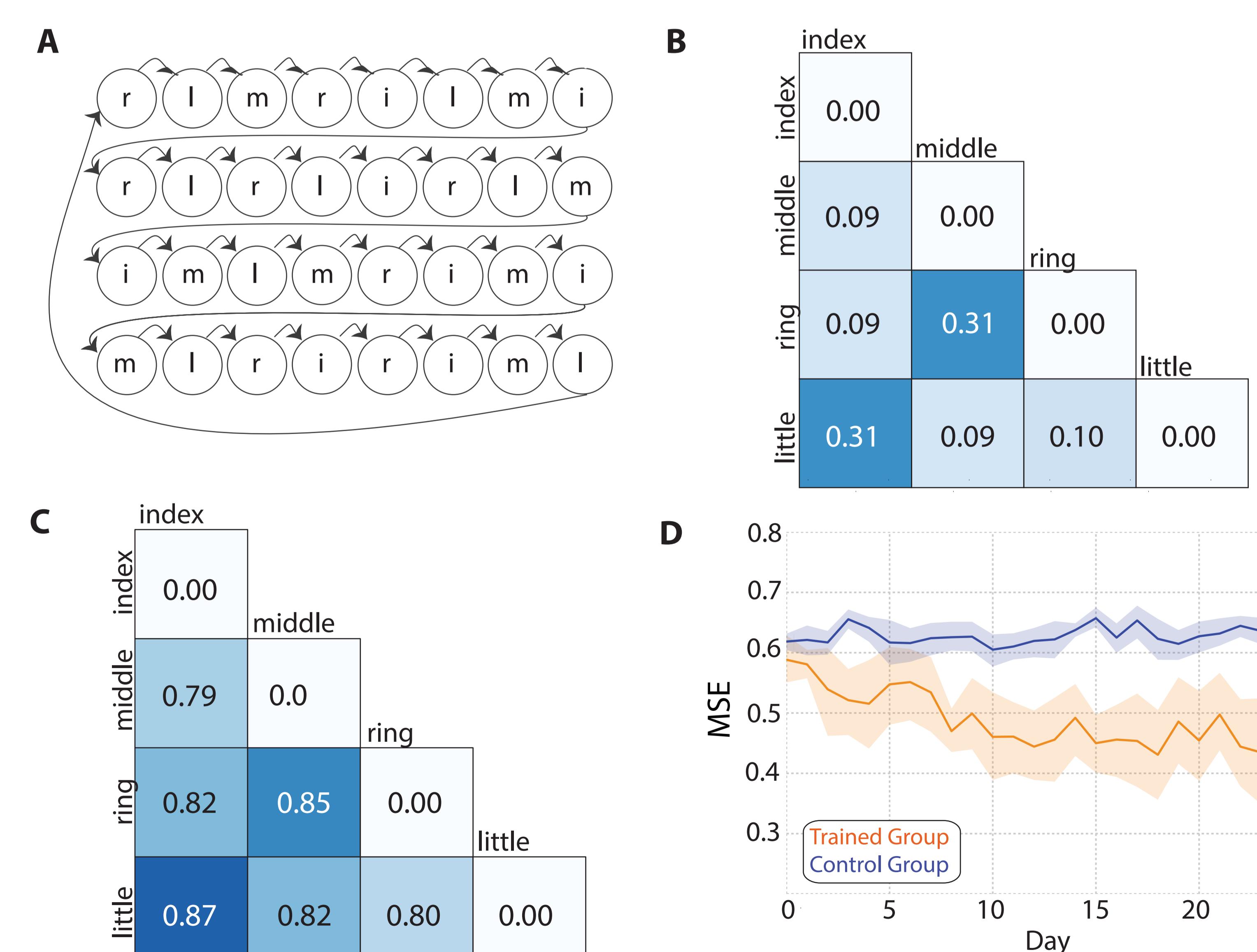
4. Unbiased decoding of single finger movements



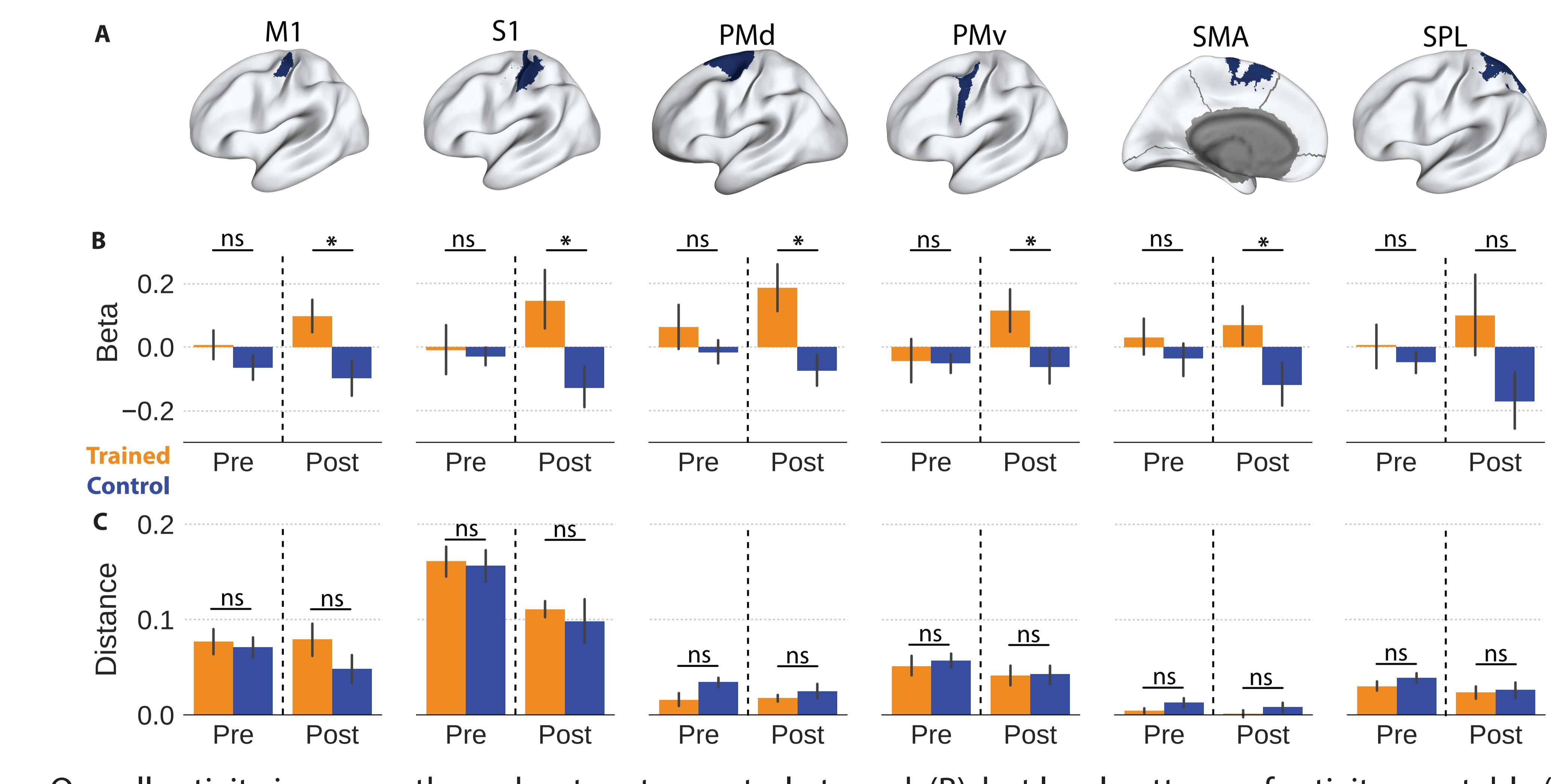
1. Speed accuracy tradeoff



3. Stereotyped movement transitions



5. Sequence versus single finger plasticity



Overall activity increases throughout motor control network (B), but local patterns of activity are stable (C). Therefore, binding is likely to be coordinated by higher levels within the motor hierarchy.