A 23-year-old man had epilepsy, mental retardation, and a stereotyped movement (figure 1 and video1), which was exacerbated by emotion. No abnormality was detected in the EEG during this movement. Array comparative genomic hybridization showed a Xq28 duplication: arr [GRCh37]Xq28(153032004_153406233)x2 (figure 2).
The methyl-CpG-binding protein 2 gene (MECP2) duplication syndrome is a rare genetic disease whose causative gene is the same as that for Rett syndrome. The characteristic symptom of both diseases is stereotyped movement. The movement in MECP2 duplication syndrome is writhing arms and hands, unlike Rett syndrome.

**Study Funding**
No targeted funding reported.

**Disclosure**
The authors declare that there is no conflict of interest regarding the publication of this article. Go to Neurology.org/N for full disclosures.

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**Figure 2** Detection of the Xq28 Duplication by Using Array Comparative Genomic Hybridization

MECP2, IRAK1, and L1CAM were included in the duplication with a size of approximately 0.4 Mb. Genomic positions are based on data from the human genome assembly GRCH37/hg19.

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**Appendix**

**Appendix (continued)**

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<tr>
<th>Name</th>
<th>Location</th>
<th>Contribution</th>
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<tbody>
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</tr>
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Tomohiro Wakabayashi, Shinobu Fukumura, Satoru Takahashi, et al.
Neurology 2021;97:92-94 Published Online before print April 30, 2021
DOI 10.1212/WNL.0000000000012130

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