

**Table S1:** MECP2 pathogenic variants in the patients with drug-resistant epilepsy. na: not available; multiple identical entries in the patient's medical charts confirmed the mutated gene, but the precise pathogenic variant/position could not be recovered from the old genetic report.

Patient	MECP2 [NM_004992.3] pathogenic variant
1	na
2	c.880C>T;p.(Arg294*)
3	c.455C>G;p.(Pro152Arg)
4	c.316C>T;p.(Arg106Trp)
5	c.397C>T;p.(Arg133Cys)
6	c.916C>T;p.(Arg306Cys)
7	c.763C>T;p.(Arg255*)
8	c.547C>T;p.(Thr158Met)
9	deletion of exons 3 and 4
10	c.808C>T;p.(Arg270*)
11	c.808C>T;p.(Arg270*)
12	c.763C>T;p.(Arg255*)