

SUPPLEMENTARY MATERIALS

RHOBTB2*-Associated Neurological Phenotypes and Underlying Mechanisms: Alternating Hemiplegia of Childhood Beyond *ATP1A3

**Ruzica Kravljanac^{1,2,†}, Kristel Klaassen^{3,*,†}, Vladimir Oparnica¹, Biljana Vucetic Tadic^{1,2},
Marina Andjelkovic³, Anita Skakic³, Sara Stankovic³, Maja Stojiljkovic³**

¹ Institute for Mother and Child Healthcare of Serbia "Dr Vukan Cupic", 11070 Belgrade, Serbia.

² Faculty of Medicine, University of Belgrade, 11000 Belgrade, Serbia.

³ Institute of Molecular Genetics and Genetic Engineering, University of Belgrade, 11042 Belgrade, Serbia

* Corresponding author: Kristel Klaassen, PhD

Institute of Molecular Genetics and Genetic Engineering, University of Belgrade

Vojvode Stepe 444a, 11042 Belgrade, SERBIA

Email: kristel.klaassen@imgge.bg.ac.rs

† These authors contributed equally to this work

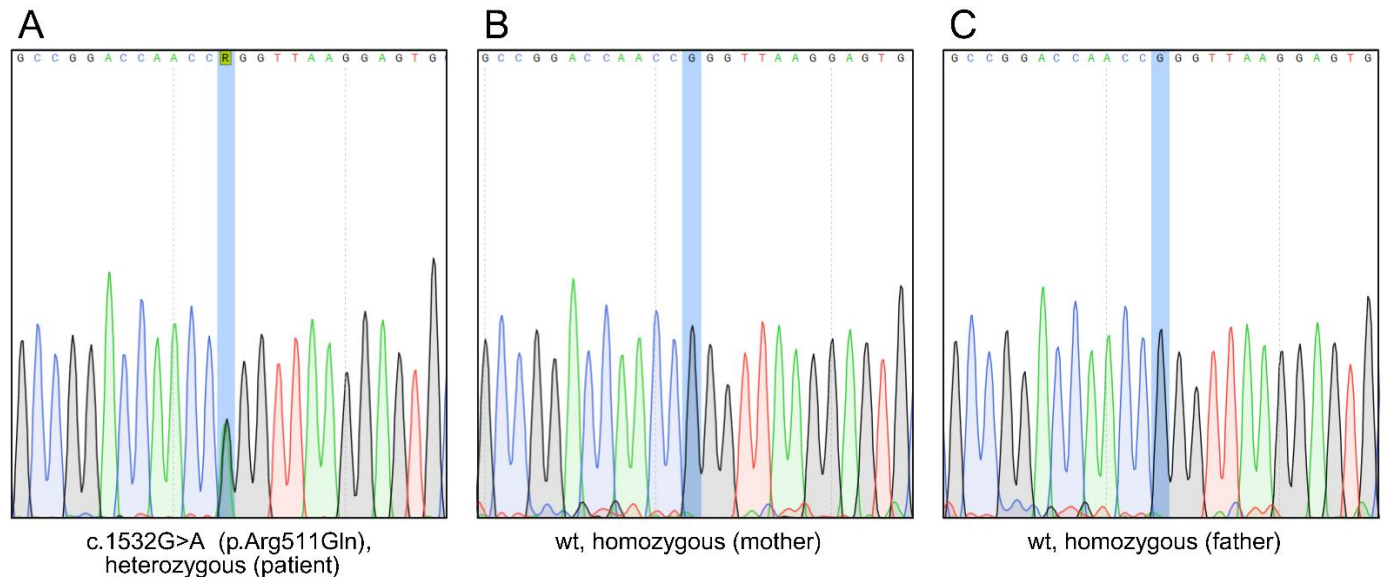


Figure S1. Electropherograms showing the *RHOBTB2* variant c.1532G>A (p.Arg511Gln). Sanger sequencing confirmed the presence of the variant c.1532G>A (p.Arg511Gln) in heterozygous state in the patient (A), while both parents demonstrated a *wild-type* genotype (B, C).

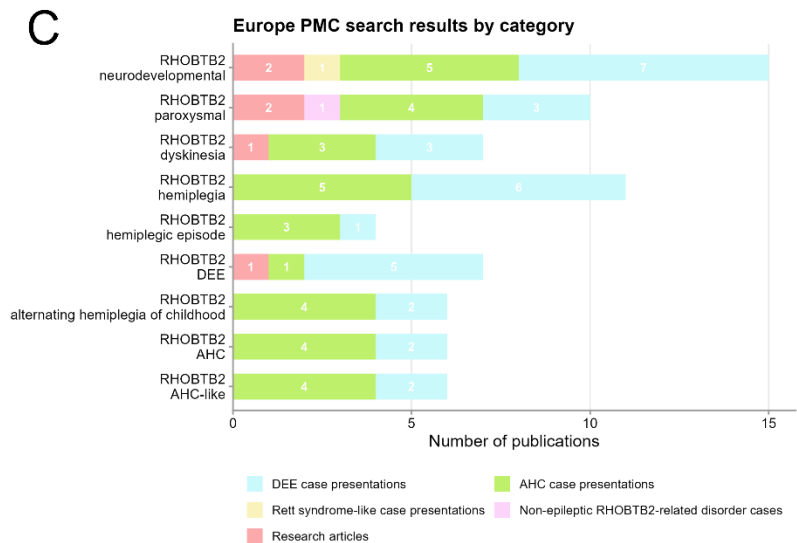
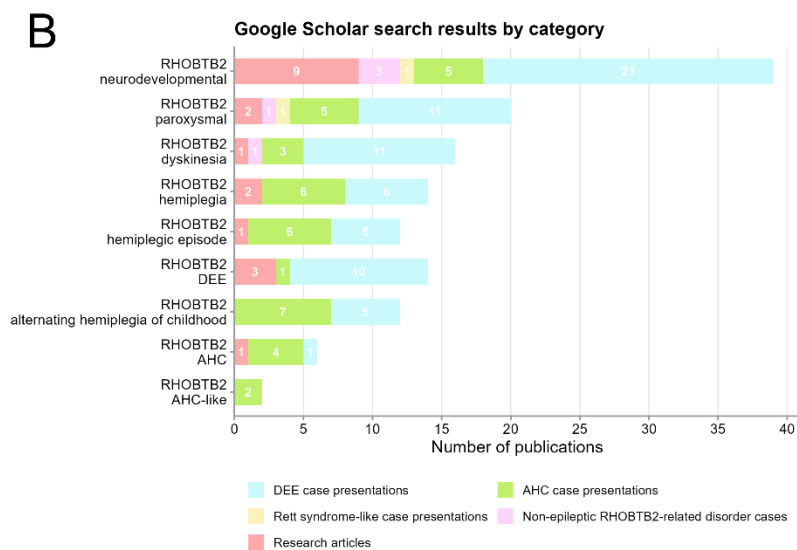
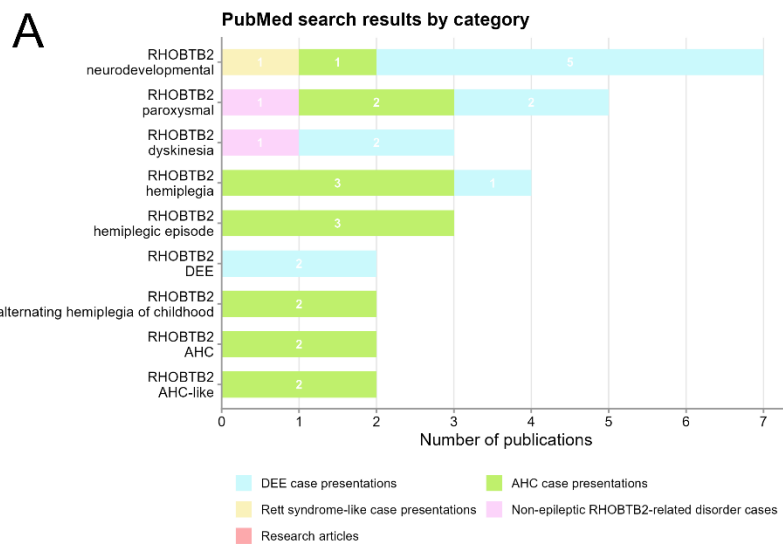


Figure S2. Stacked bar plots showing the number of publications across 5 categories. The number of publications per search term, belonging to each category is indicated by different colors. Results from 3 databases are shown: PubMed (A), Google Scholar (B), and Europe PMC (C).

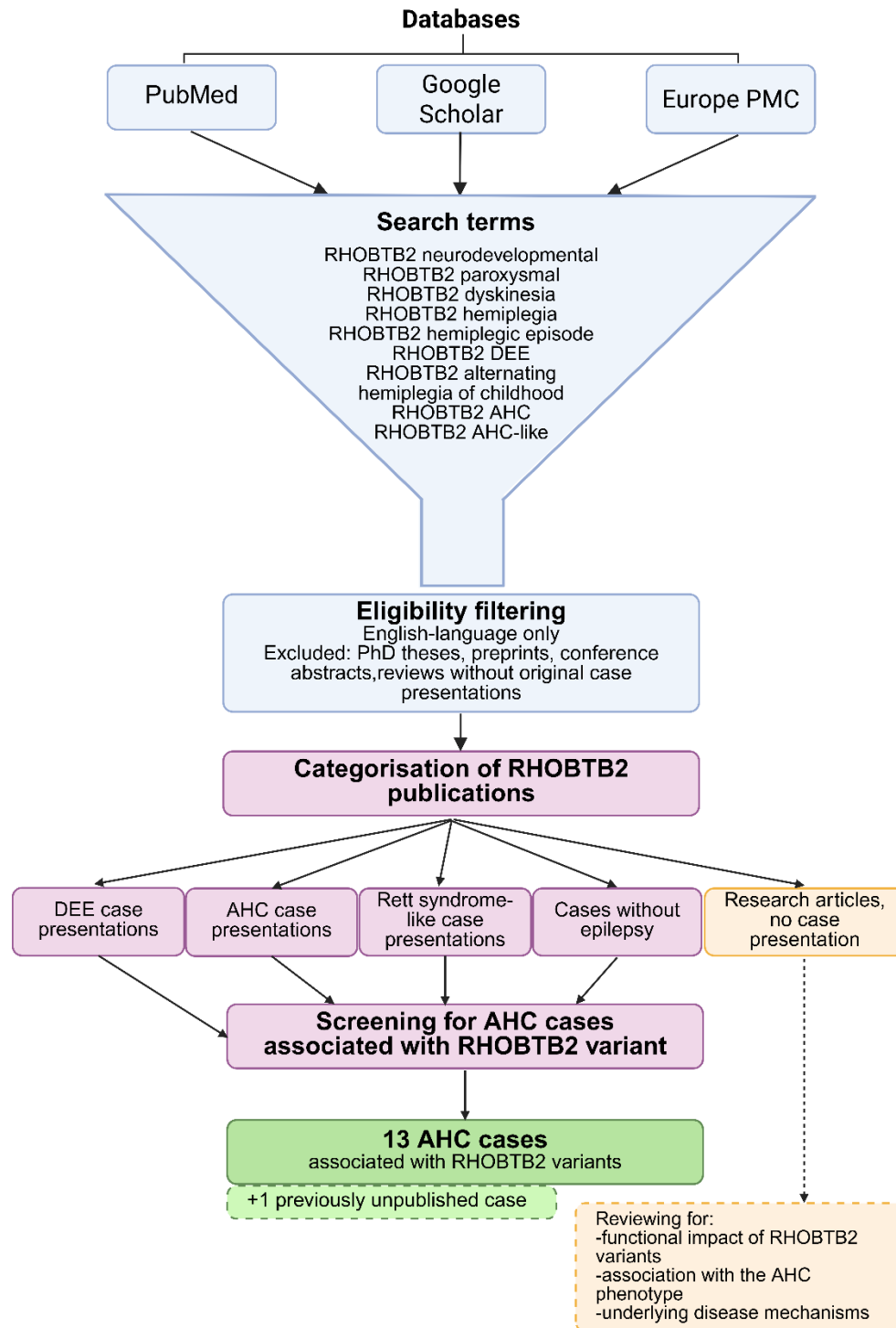


Figure S3. Flow diagram representing the literature search process. Same search terms were applied across 3 databases. Resulting publications were filtered and categorized into 5 groups. Articles containing case presentations were screened for *RHOBTB2*-associated AHC, yielding 13 published cases included in this review, along with 1 novel, previously unpublished case.