Resource Summary Report

Generated by SPARC SAWG on Sep 12, 2026

RettBASE: IRSF MECP2 Variation Database

RRID:SCR_001066
Type: Tool

Proper Citation

RettBASE: IRSF MECP2 Variation Database (RRID:SCR_001066)

Resource Information

URL: http://mecp2.chw.edu.au/

Proper Citation: RettBASE: IRSF MECP2 Variation Database (RRID:SCR_001066)

Description: Database constructed by merging mutation and polymorphism data from the published literature pertaining to Rett syndrome and related clinical disorders, and by incorporating unpublished mutation and polymorphism data that have been submitted directly. RettBase is updated on a very frequent basis manually by curators to ensure the validity of the data submitted., THIS RESOURCE IS NO LONGER IN SERVICE. Documented on September 16,2025.

Synonyms: RettBase

Resource Type: data or information resource, database

Defining Citation: PMID:28544139

Keywords: genetics; metadata, polymorphism

Related Condition: Rett Syndrome

Availability: THIS RESOURCE IS NO LONGER IN SERVICE

Resource Name: RettBASE: IRSF MECP2 Variation Database

Resource ID: SCR_001066

Alternate IDs: nif-0000-00156

Record Creation Time: 20220129T080205+0000

Record Last Update: 20260912T200121+0000

Ratings and Alerts

No rating or validation information has been found for RettBASE: IRSF MECP2 Variation Database.

No alerts have been found for RettBASE: IRSF MECP2 Variation Database.

Data and Source Information

Source: SciCrunch Registry

Usage and Citation Metrics

We found 14 mentions in open access literature.

Listed below are recent publications. The full list is available at SPARC SAWG .

Shah RR, et al. (2017) MeCP2 mutations: progress towards understanding and treating Rett syndrome. Genome medicine, 9(1), 17.

Bueno C, et al. (2016) Rett Syndrome Mutant Neural Cells Lacks MeCP2 Immunoreactive Bands. PloS one, 11(4), e0153262.

Cobolli Gigli C, et al. (2016) MeCP2 Related Studies Benefit from the Use of CD1 as Genetic Background. PloS one, 11(4), e0153473.

Stefanelli G, et al. (2016) Brain phosphorylation of MeCP2 at serine 164 is developmentally regulated and globally alters its chromatin association. Scientific reports, 6, 28295.

Bianciardi L, et al. (2016) MECP2 missense mutations outside the canonical MBD and TRD domains in males with intellectual disability. Journal of human genetics, 61(2), 95.

Gold WA, et al. (2015) The Utility of Next-Generation Sequencing in Gene Discovery for Mutation-Negative Patients with Rett Syndrome. Frontiers in cellular neuroscience, 9, 266.

Viana MC, et al. (2015) MECP2, a gene associated with Rett syndrome in humans, shows conserved coding regions, independent Alu insertions, and a novel transcript across primate evolution. BMC genetics, 16, 77.

Kucukkal TG, et al. (2014) Computational and experimental approaches to reveal the effects of single nucleotide polymorphisms with respect to disease diagnostics. International journal of molecular sciences, 15(6), 9670.

Bellini E, et al. (2014) MeCP2 post-translational modifications: a mechanism to control its involvement in synaptic plasticity and homeostasis? Frontiers in cellular neuroscience, 8, 236.

Baker SA, et al. (2013) An AT-hook domain in MeCP2 determines the clinical course of Rett syndrome and related disorders. Cell, 152(5), 984.

Ravn K, et al. (2011) Two new Rett syndrome families and review of the literature: expanding the knowledge of MECP2 frameshift mutations. Orphanet journal of rare diseases, 6, 58.

Fendri-Kriaa N, et al. (2011) A case of a Tunisian Rett patient with a novel double-mutation of the MECP2 gene. Biochemical and biophysical research communications, 409(2), 270.

Ho KL, et al. (2008) MeCP2 binding to DNA depends upon hydration at methyl-CpG. Molecular cell, 29(4), 525.

Young JI, et al. (2004) X-chromosome inactivation patterns are unbalanced and affect the phenotypic outcome in a mouse model of rett syndrome. American journal of human genetics, 74(3), 511.