

Resource Summary Report

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Pleiades Promoter Project: Genomic Resources Advancing Therapies for Brain Disorders

RRID:SCR_003282

Type: Tool

Proper Citation

Pleiades Promoter Project: Genomic Resources Advancing Therapies for Brain Disorders (RRID:SCR_003282)

Resource Information

URL: <http://www.bcgsc.ca/project/pleiades-promoter-project>

Proper Citation: Pleiades Promoter Project: Genomic Resources Advancing Therapies for Brain Disorders (RRID:SCR_003282)

Description: Project to generate human DNA promoters of less than 4 kb (MiniPromoters) to drive gene expression in defined brain regions of therapeutic interest for diseases such as Alzheimer, Parkinson, Huntington, Amyotrophic Lateral Sclerosis, Multiple Sclerosis, Spinocerebellar Ataxia, Depression, Autism, and Cancer. Project develops and shares tools like human MiniPromoters that drive region- and cell-specific gene expression in the mouse brain, expression constructs, mouse embryonic stem cell lines, and knock-in mice all of which carry brain-specific MiniPromoters. Project is daughter of Genome Canada Project, Atlas of Gene Expression in Mouse Development, within which mouse brain gene expression data have already been gathered. Project team has collaborated with International BioPharma Solutions Ltd., management and communications consulting company specializing in product development and commercialization advice. Project will explore challenging interface between science and journalism with focus on genomics and gene therapy.

Abbreviations: Pleiades Promoter Project

Resource Type: biomaterial supply resource, material resource

Keywords: Human, DNA, promoter, gene, expression, brain, disorder, therapy

Related Condition: Alzheimer, Parkinson, Huntington, Amyotrophic Lateral Sclerosis, Multiple Sclerosis, Spinocerebellar Ataxia, Depression, Autism, Cancer

Funding: Genome Canada ;
Genome British Columbia ;

UBC Institute of Mental Health ;
Child and Family Research Institute

Availability: Free, Freely available

Resource Name: Pleiades Promoter Project: Genomic Resources Advancing Therapies for Brain Disorders

Resource ID: SCR_003282

Alternate IDs: nif-0000-01868

Alternate URLs: <https://plone.bcgsc.ca/project/pleiades-promoter-project>

Old URLs: <http://www.pleiades.org/>

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Ratings and Alerts

No rating or validation information has been found for Pleiades Promoter Project: Genomic Resources Advancing Therapies for Brain Disorders.

No alerts have been found for Pleiades Promoter Project: Genomic Resources Advancing Therapies for Brain Disorders.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 4 mentions in open access literature.

Listed below are recent publications. The full list is available at [ASWG](#) .

de Leeuw CN, et al. (2014) Targeted CNS Delivery Using Human MiniPromoters and Demonstrated Compatibility with Adeno-Associated Viral Vectors. Molecular therapy. Methods & clinical development, 1, 5.

Yang C, et al. (2012) Targeting of >1.5 Mb of human DNA into the mouse X chromosome reveals presence of cis-acting regulators of epigenetic silencing. Genetics, 192(4), 1281.

Smedley D, et al. (2011) Cre recombinase resources for conditional mouse mutagenesis. Methods (San Diego, Calif.), 53(4), 411.

Portales-Casamar E, et al. (2007) PAZAR: a framework for collection and dissemination of cis-regulatory sequence annotation. Genome biology, 8(10), R207.