Resource Summary Report

Generated by FDI Lab - SciCrunch.org on Apr 16, 2025

pBPGUw

RRID:Addgene_17575
Type: Plasmid

Proper Citation

RRID:Addgene_17575

Plasmid Information

URL: http://www.addgene.org/17575

Proper Citation: RRID:Addgene_17575

Insert Name: GAL4

Organism: Saccharomyces cerevisiae

Bacterial Resistance: Chloramphenicol and Ampicillin

Defining Citation: PMID:18621688

Vector Backbone Description: Backbone Size:9052; Vector Backbone:pBDP; Vector Types:Insect Expression; Bacterial Resistance:Chloramphenicol and Ampicillin

Comments: pBPGUw is a modular Gateway compatible GAL4 vector amenable to high throughput in vitro cloning using Invitrogen LR clonase and specific in vivo genomic targeting using PhiC31 integrase. pBPGUw contains a Drosophila synthetic core promoter (DSCP) that contains TATA, Inr, MTE, and DPE motifs. In addition the GAL4 CDS and yeast transcriptional terminator can easily be substituted for another driver by a directional 5' KpnI to 3' HindIII digest.

Plasmid Name: pBPGUw

Record Creation Time: 20220422T222015+0000

Record Last Update: 20220422T223341+0000

Ratings and Alerts

No rating or validation information has been found for pBPGUw.

No alerts have been found for pBPGUw.

Data and Source Information

Source: Addgene

Usage and Citation Metrics

We found 21 mentions in open access literature.

Listed below are recent publications. The full list is available at FDI Lab - SciCrunch.org.

Carrier Y, et al. (2024) Biased cell adhesion organizes the Drosophila visual motion integration circuit. Developmental cell.

Sun J, et al. (2024) Two sequential gene expression programs bridged by cell division support long-distance collective cell migration. Development (Cambridge, England), 151(10).

Ye D, et al. (2024) Changes in the cellular makeup of motor patterning circuits drive courtship song evolution in Drosophila. bioRxiv : the preprint server for biology.

Ye D, et al. (2024) Changes in the cellular makeup of motor patterning circuits drive courtship song evolution in Drosophila. Current biology : CB, 34(11), 2319.

Coleman RT, et al. (2023) A modular circuit architecture coordinates the diversification of courtship strategies in Drosophila. bioRxiv : the preprint server for biology.

Buffry AD, et al. (2023) Characterisation of the role and regulation of Ultrabithorax in sculpting fine-scale leg morphology. Frontiers in cell and developmental biology, 11, 1119221.

Longden KD, et al. (2023) Different spectral sensitivities of ON- and OFF-motion pathways enhance the detection of approaching color objects in Drosophila. Nature communications, 14(1), 7693.

Wang Z, et al. (2023) Evolution of a fatty acyl-CoA elongase underlies desert adaptation in Drosophila. Science advances, 9(35), eadg0328.

Begeman IJ, et al. (2022) Regeneration and developmental enhancers are differentially compatible with minimal promoters. Developmental biology, 492, 47.

Duckhorn JC, et al. (2022) Regulation of Drosophila courtship behavior by the Tlx/tailless-like nuclear receptor, dissatisfaction. Current biology : CB, 32(8), 1703.

Wang Z, et al. (2022) Desiccation resistance differences in Drosophila species can be largely

explained by variations in cuticular hydrocarbons. eLife, 11.

Pinto PB, et al. (2022) Specificity of the Hox member Deformed is determined by transcription factor levels and binding site affinities. Nature communications, 13(1), 5037.

Janssens J, et al. (2022) Decoding gene regulation in the fly brain. Nature, 601(7894), 630.

Ebrahim SAM, et al. (2021) Sight of parasitoid wasps accelerates sexual behavior and upregulates a micropeptide gene in Drosophila. Nature communications, 12(1), 2453.

Hertenstein H, et al. (2021) Starvation-induced regulation of carbohydrate transport at the blood-brain barrier is TGF-?-signaling dependent. eLife, 10.

Lucas T, et al. (2021) Discrete cis-acting element regulates developmentally timed gene-lamina relocation and neural progenitor competence in vivo. Developmental cell, 56(18), 2649.

Chiu H, et al. (2021) A circuit logic for sexually shared and dimorphic aggressive behaviors in Drosophila. Cell, 184(2), 507.

Bornstein B, et al. (2021) Transneuronal Dpr12/DIP-? interactions facilitate compartmentalized dopaminergic innervation of Drosophila mushroom body axons. The EMBO journal, 40(12), e105763.

Miller SW, et al. (2020) Disparate expression specificities coded by a shared Hox-C enhancer. eLife, 9.

Kondo T, et al. (2019) Two-step regulation of trachealess ensures tight coupling of cell fate with morphogenesis in the Drosophila trachea. eLife, 8.