



# Golden GATEway Cloning Kit

**Description:** The Golden GATEway cloning system combines Golden Gate and Multisite Gateway cloning for construction of complex plasmids in a predefined order. This system was specifically designed for generating transgenesis constructs, but is also suitable for creating fusion proteins, and can be used in many different model organisms.

More information can be found at:

<http://www.addgene.org/cloning/goldengateway/wittbrodt/>

**Reference:** Golden GATEway cloning--a combinatorial approach to generate fusion and recombination constructs. Kirchmaier S, Lust K, Wittbrodt J. PLoS One. 2013 Oct 7;8(10):e76117. doi: 10.1371/journal.pone.0076117. PubMed ID: 24116091

**Handling and Storage:** Store glycerol stocks at -80°C and minimize freeze-thaw cycles. To access a plasmid, keep the plate on dry ice to prevent thawing. Using a sterile pipette tip, puncture the seal above an individual well and spread a portion of the glycerol stock onto an agar plate. To patch the hole, use sterile tape or a portion of a fresh aluminum seal.

**Note:** These plasmid constructs are being distributed to non-profit institutions for the purpose of basic research.

Please contact Addgene at [help@addgene.org](mailto:help@addgene.org) with any questions.

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## Plate Map

	1	2	3	4	5	6
A	pGGEV_+1_Linkers	pGGEV_-1_Linkers	pGGEV_2_Linkers	pGGEV_3_Linkers	pGGEV_4_Linkers	pGGEV_5_Linkers
B	pGGEV_6'_Linkers	pGGEV_7'_Linkers	pGGEV_8'_Linkers	pGGEV_+1_Xcml-LacZ	pGGEV_-1_Xcml-LacZ	pGGEV_2'_Xcml-LacZ
C	pGGEV_3'_Xcml-LacZ	pGGEV_4'_Xcml-LacZ	pGGEV_5'_Xcml-LacZ	pGGEV_6'_Xcml-LacZ	pGGEV_7'_Xcml-LacZ	pGGEV_8'_Xcml-LacZ
D	p3E_GGWDest-	p3E_GGWDest+	p5E_GGWDest-	p5E_GGWDest+	pME_GGWDest-	pME_GGWDest+
E						
F						
G						
H						

7	8	9	10	11	12
pGGEV_6_Linkers	pGGEV_7_Linkers	pGGEV_2'_Linkers	pGGEV_3'_Linkers	pGGEV_4'_Linkers	pGGEV_5'_Linkers
pGGEV_3'_Xcml-LacZ	pGGEV_4'_Xcml-LacZ	pGGEV_5'_Xcml-LacZ	pGGEV_6'_Xcml-LacZ	pGGEV_7'_Xcml-LacZ	pGGEV_2'_Xcml-LacZ
pGGEV_-1_FRT_+1_OA-pGGDestSC-ATG	pGGEV_3_FRT_+1_OA-pGGDestSC+ATG	pGGEV_2_+nls-eGFP-HA-_+1_BK+	pGGEV_4'_+nls-mCherry-Flag-_+1_BK+	pGGW_SM_BglII	pGGW_SM_BamHI

**Instructions:** To access a plasmid, keep the plate on dry ice to prevent thawing. Using a sterile pipette tip, puncture the seal above an individual well and spread a portion of the glycerol stock onto an agar plate. To patch the hole, use sterile tape or a portion of a fresh aluminum seal.

Please visit <http://www.addgene.org/cloning/goldengateway/wittbrodt/plate1/> for a list of the appropriate antibiotics for each plasmid.

## How to Cite your Addgene Plasmids in Future Publications (Save for reference)

These plasmids were created by your colleagues. Please acknowledge the Principal Investigator, cite the article in which they were created, and include Addgene in the Materials and Methods of your future publications.

### Information pertinent to your requested plasmids:

*Principal Investigator:* Joachim Wittbrodt

*Article Reference:* **Golden GATEway cloning--a combinatorial approach to generate fusion and recombination constructs.** Kirchmaier S, Lust K, Wittbrodt J. PLoS One. 2013 Oct 7;8(10):e76117. doi: 10.1371/journal.pone.0076117. (PubMed ID: 24116091)

*Addgene:* Golden GATEway Cloning Kit

If you have any questions about how to cite these plasmids, please contact Addgene at [help@addgene.org](mailto:help@addgene.org) or call (617) 225-9000.

Best wishes for many successful publications!

