



Advanced Gateway Destination Vectors

Description: The Susan Lindquist laboratory of the Howard Hughes Medical Institute and the Whitehead Institute for Biomedical Research has deposited a set of Gateway® destination vectors for high-throughput genetic analysis in *S. cerevisiae*. The plasmids are divided into three plates. Detailed information can be found at:

www.addgene.org/yeast_gateway

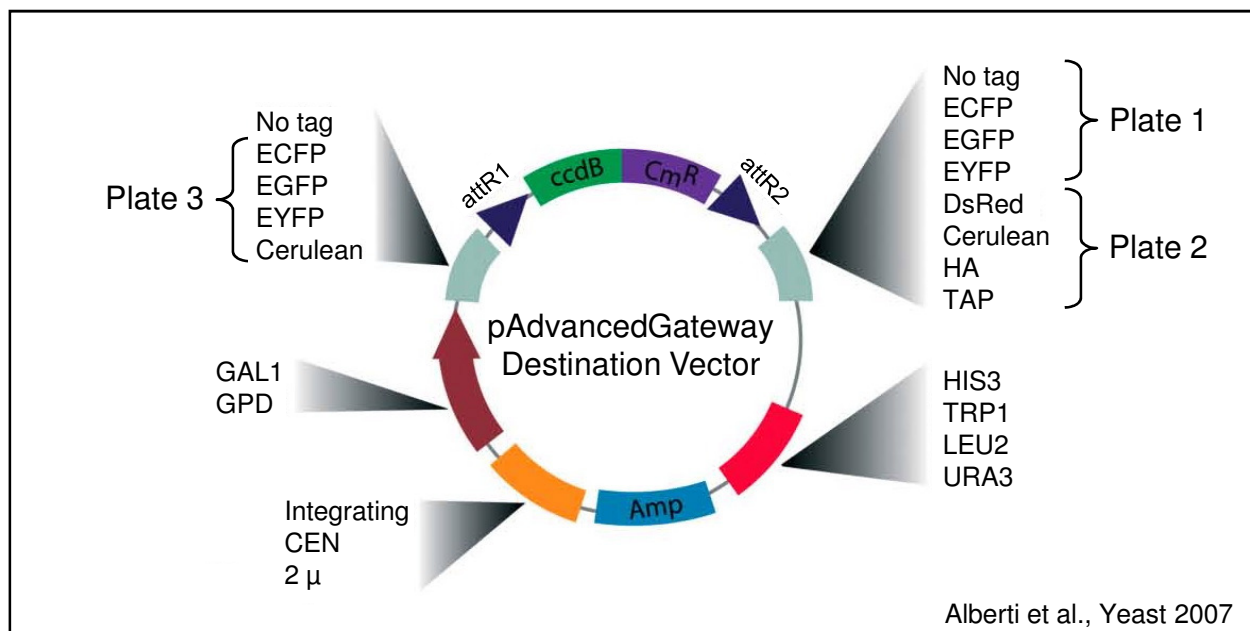
Reference: A suite of Gateway® cloning vectors for high-throughput genetic analysis in *Saccharomyces cerevisiae*. Simon Alberti, Aaron D. Gitler, and Susan Lindquist. *Yeast*, 2007.

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 Susan Lindquist to determine proper attribution on any publications arising from the use of these plasmids.

Please contact Addgene at help@addgene.org with any questions.

Advanced Gateway Destination Vectors



The set of pAdvancedGateway Destination Vectors allows for a choice of:

1. Promoter: constitutive (GPD) or inducible (GAL1)
2. N-terminal protein tag: ECFP, EGFP, EYFP, Cerulean
3. C-terminal protein tag: ECFP, EGFP, EYFP, DsRed, Cerulean, HA, TAP
4. Integrating or extra-chromosomal:
 - Integrating: pAG303, 304, 305, 306
 - Low-copy number (CEN): pAG413, 414, 415, 416
 - High-copy number (2μ): pAG423, 424, 425, 426
5. Selectable marker:
 - HIS3: pAG303, 413, 423
 - TRP1: pAG304, 414, 424
 - LEU2: pAG305, 415, 425
 - URA3: pAG306, 416, 426

* Please see individual plasmid pages for detailed maps and full sequences.

Advanced Gateway Destination Vectors

Plate 1

	1	2	3	4	5	6
A	303GAL-ccdB	413GAL-ccdB	423GAL-ccdB	303GAL-ccdB-ECFP	413GAL-ccdB-ECFP	423GAL-ccdB-ECFP
B	303GPD-ccdB	413GPD-ccdB	423GPD-ccdB	303GPD-ccdB-ECFP	413GPD-ccdB-ECFP	423GPD-ccdB-ECFP
C	304GAL-ccdB	414GAL-ccdB	424GAL-ccdB	304GAL-ccdB-ECFP	414GAL-ccdB-ECFP	424GAL-ccdB-ECFP
D	304GPD-ccdB	414GPD-ccdB	424GPD-ccdB	304GPD-ccdB-ECFP	414GPD-ccdB-ECFP	424GPD-ccdB-ECFP
E	305GAL-ccdB	415GAL-ccdB	425GAL-ccdB	305GAL-ccdB-ECFP	415GAL-ccdB-ECFP	425GAL-ccdB-ECFP
F	305GPD-ccdB	415GPD-ccdB	425GPD-ccdB	305GPD-ccdB-ECFP	415GPD-ccdB-ECFP	425GPD-ccdB-ECFP
G	306GAL-ccdB	416GAL-ccdB	426GAL-ccdB	306GAL-ccdB-ECFP	416GAL-ccdB-ECFP	426GAL-ccdB-ECFP
H	306GPD-ccdB	416GPD-ccdB	426GPD-ccdB	306GPD-ccdB-ECFP	416GPD-ccdB-ECFP	426GPD-ccdB-ECFP

	7	8	9	10	11	12
A	303GAL-ccdB-EGFP	413GAL-ccdB-EGFP	423GAL-ccdB-EGFP	303GAL-ccdB-EYFP	413GAL-ccdB-EYFP	423GAL-ccdB-EYFP
B	303GPD-ccdB-EGFP	413GPD-ccdB-EGFP	423GPD-ccdB-EGFP	303GPD-ccdB-EYFP	413GPD-ccdB-EYFP	423GPD-ccdB-EYFP
C	304GAL-ccdB-EGFP	414GAL-ccdB-EGFP	424GAL-ccdB-EGFP	304GAL-ccdB-EYFP	414GAL-ccdB-EYFP	424GAL-ccdB-EYFP
D	304GPD-ccdB-EGFP	414GPD-ccdB-EGFP	424GPD-ccdB-EGFP	304GPD-ccdB-EYFP	414GPD-ccdB-EYFP	424GPD-ccdB-EYFP
E	305GAL-ccdB-EGFP	415GAL-ccdB-EGFP	425GAL-ccdB-EGFP	305GAL-ccdB-EYFP	415GAL-ccdB-EYFP	425GAL-ccdB-EYFP
F	305GPD-ccdB-EGFP	415GPD-ccdB-EGFP	425GPD-ccdB-EGFP	305GPD-ccdB-EYFP	415GPD-ccdB-EYFP	425GPD-ccdB-EYFP
G	306GAL-ccdB-EGFP	416GAL-ccdB-EGFP	426GAL-ccdB-EGFP	306GAL-ccdB-EYFP	416GAL-ccdB-EYFP	426GAL-ccdB-EYFP
H	306GPD-ccdB-EGFP	416GPD-ccdB-EGFP	426GPD-ccdB-EGFP	306GPD-ccdB-EYFP	416GPD-ccdB-EYFP	426GPD-ccdB-EYFP

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Plate 2

	1	2	3	4	5	6
A	303GAL-ccdB-DsRed	413GAL-ccdB-DsRed	423GAL-ccdB-DsRed	303GAL-ccdB-Cer	413GAL-ccdB-Cer	423GAL-ccdB-Cer
B	303GPD-ccdB-DsRed	413GPD-ccdB-DsRed	423GPD-ccdB-DsRed	303GPD-ccdB-Cer	413GPD-ccdB-Cer	423GPD-ccdB-Cer
C	304GAL-ccdB-DsRed	414GAL-ccdB-DsRed	424GAL-ccdB-DsRed	304GAL-ccdB-Cer	414GAL-ccdB-Cer	424GAL-ccdB-Cer
D	304GPD-ccdB-DsRed	414GPD-ccdB-DsRed	424GPD-ccdB-DsRed	304GPD-ccdB-Cer	414GPD-ccdB-Cer	424GPD-ccdB-Cer
E	305GAL-ccdB-DsRed	415GAL-ccdB-DsRed	425GAL-ccdB-DsRed	305GAL-ccdB-Cer	415GAL-ccdB-Cer	425GAL-ccdB-Cer
F	305GPD-ccdB-DsRed	415GPD-ccdB-DsRed	425GPD-ccdB-DsRed	305GPD-ccdB-Cer	415GPD-ccdB-Cer	425GPD-ccdB-Cer
G	306GAL-ccdB-DsRed	416GAL-ccdB-DsRed	426GAL-ccdB-DsRed	306GAL-ccdB-Cer	416GAL-ccdB-Cer	426GAL-ccdB-Cer
H	306GPD-ccdB-DsRed	416GPD-ccdB-DsRed	426GPD-ccdB-DsRed	306GPD-ccdB-Cer	416GPD-ccdB-Cer	426GPD-ccdB-Cer

	7	8	9	10	11	12
A	303GAL-ccdB-HA [±]	413GAL-ccdB-HA	423GAL-ccdB-HA	303GAL-ccdB-TAP	413GAL-ccdB-TAP	423GAL-ccdB-TAP
B	303GPD-ccdB-HA [±]	413GPD-ccdB-HA	423GPD-ccdB-HA	303GPD-ccdB-TAP	413GPD-ccdB-TAP	423GPD-ccdB-TAP
C	304GAL-ccdB-HA [±]	414GAL-ccdB-HA	424GAL-ccdB-HA	304GAL-ccdB-TAP	414GAL-ccdB-TAP	424GAL-ccdB-TAP
D	304GPD-ccdB-HA [±]	414GPD-ccdB-HA	424GPD-ccdB-HA	304GPD-ccdB-TAP	414GPD-ccdB-TAP	424GPD-ccdB-TAP
E	305GAL-ccdB-HA	415GAL-ccdB-HA	425GAL-ccdB-HA	305GAL-ccdB-TAP	415GAL-ccdB-TAP	425GAL-ccdB-TAP
F	305GPD-ccdB-HA	415GPD-ccdB-HA	425GPD-ccdB-HA	305GPD-ccdB-TAP	415GPD-ccdB-TAP	425GPD-ccdB-TAP
G	306GAL-ccdB-HA [±]	416GAL-ccdB-HA	426GAL-ccdB-HA	306GAL-ccdB-TAP	416GAL-ccdB-TAP	426GAL-ccdB-TAP
H	306GPD-ccdB-HA [±]	416GPD-ccdB-HA	426GPD-ccdB-HA	306GPD-ccdB-TAP	416GPD-ccdB-TAP	426GPD-ccdB-TAP

[±] missing CYC1 terminator

Note: 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 www.addgene.org/yeast_gateway for plasmid information



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Plate 3

	1	2	3	4	5	6
A	303GAL-ECFP-ccdB	413GAL-ECFP-ccdB	423GAL-ECFP-ccdB	303GAL-EGFP-ccdB	413GAL-EGFP-ccdB	423GAL-EGFP-ccdB
B	303GPD-ECFP-ccdB	413GPD-ECFP-ccdB	423GPD-ECFP-ccdB	303GPD-EGFP-ccdB	413GPD-EGFP-ccdB	423GPD-EGFP-ccdB
C	304GAL-ECFP-ccdB	414GAL-ECFP-ccdB	424GAL-ECFP-ccdB	304GAL-EGFP-ccdB	414GAL-EGFP-ccdB	424GAL-EGFP-ccdB
D	304GPD-ECFP-ccdB	414GPD-ECFP-ccdB	424GPD-ECFP-ccdB	304GPD-EGFP-ccdB	414GPD-EGFP-ccdB	424GPD-EGFP-ccdB
E	305GAL-ECFP-ccdB	415GAL-ECFP-ccdB	425GAL-ECFP-ccdB	305GAL-EGFP-ccdB	415GAL-EGFP-ccdB	425GAL-EGFP-ccdB
F	305GPD-ECFP-ccdB	415GPD-ECFP-ccdB	425GPD-ECFP-ccdB	305GPD-EGFP-ccdB	415GPD-EGFP-ccdB	425GPD-EGFP-ccdB
G	306GAL-ECFP-ccdB	416GAL-ECFP-ccdB	426GAL-ECFP-ccdB	306GAL-EGFP-ccdB	416GAL-EGFP-ccdB	426GAL-EGFP-ccdB
H	306GPD-ECFP-ccdB	416GPD-ECFP-ccdB	426GPD-ECFP-ccdB	306GPD-EGFP-ccdB	416GPD-EGFP-ccdB	426GPD-EGFP-ccdB

	7	8	9	10	11	12
A	303GAL-EYFP-ccdB	413GAL-EYFP-ccdB†	423GAL-EYFP-ccdB	303GAL-Cer-ccdB	413GAL-Cer-ccdB	423GAL-Cer-ccdB
B	303GPD-EYFP-ccdB	413GPD-EYFP-ccdB	423GPD-EYFP-ccdB	303GPD-Cer-ccdB	413GPD-Cer-ccdB	423GPD-Cer-ccdB
C	304GAL-EYFP-ccdB	414GAL-EYFP-ccdB	424GAL-EYFP-ccdB	304GAL-Cer-ccdB	414GAL-Cer-ccdB	424GAL-Cer-ccdB
D	304GPD-EYFP-ccdB	414GPD-EYFP-ccdB	424GPD-EYFP-ccdB	304GPD-Cer-ccdB	414GPD-Cer-ccdB	424GPD-Cer-ccdB
E	305GAL-EYFP-ccdB	415GAL-EYFP-ccdB	425GAL-EYFP-ccdB	305GAL-Cer-ccdB	415GAL-Cer-ccdB	425GAL-Cer-ccdB
F	305GPD-EYFP-ccdB	415GPD-EYFP-ccdB	425GPD-EYFP-ccdB	305GPD-Cer-ccdB	415GPD-Cer-ccdB	425GPD-Cer-ccdB
G	306GAL-EYFP-ccdB	416GAL-EYFP-ccdB	426GAL-EYFP-ccdB	306GAL-Cer-ccdB	416GAL-Cer-ccdB	426GAL-Cer-ccdB
H	306GPD-EYFP-ccdB	416GPD-EYFP-ccdB	426GPD-EYFP-ccdB	306GPD-Cer-ccdB	416GPD-Cer-ccdB	426GPD-Cer-ccdB

† : missing portion of the Gal1 promoter

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