# **Pooled Library Deposit Questionnaire**

*Please answer all of the following questions regarding the pooled library or libraries you would like to deposit to Addgene (Sections I, IV, V, VI and either II or III depending on the type of library).*

## I. General Library Questions

1. How many libraries, including sub-libraries, would you like to deposit?

| Answer:  |
| --- |

1. Library Name(s):

| Answer:  |
| --- |

1. Please list the name(s) of the relevant PI and institution where the pooled library was created:

| PI who should be included on the Material Transfer Agreement (MTA): Is this PI an HHMI Investigator?: |
| --- |

| Institution: |
| --- |

1. Lab contact information:

| Name: Email:  |
| --- |

1. Please provide 2-3 sentences describing how this library would be used by scientists. This description may be used for a library webpage.

| Answer:  |
| --- |

1. Do you have a working manuscript describing the library?  If so, would you be able to provide us with a draft copy of it? These would be kept confidential.  If published, provide the PubMed ID and/or DOI.

| Answer:  |
| --- |

1. How does this library differ from other libraries available through Addgene (<https://www.addgene.org/pooled-library/>)?

| Answer:  |
| --- |

1. Do you have at least 100 µg of the library to deposit?
	1. How does your lab determine DNA concentration (i.e. Nanodrop, fluorescent assay, etc.)?

| Answer:  |
| --- |

1. Have the samples you want to deposit been verified by Next Generation Sequencing?

| Answer:  |
| --- |

1. Does the library involve the CRISPR/Cas system? (Is it a gRNA library?)
	1. [If yes, please answer section II](#_66qrsek4trvo)
	2. [If no, please answer section III](#_aj7wthb4vy0t)

| Answer:  |
| --- |

## II. For gRNA libraries

1. For each library, please list the following:
2. Species targeted:

| Answer:  |
| --- |

1. Number of genes/elements targeted:

| Answer:  |
| --- |

1. Number of gRNAs per element:

| Answer:  |
| --- |

1. Number and type of control gRNAs:

| Answer:  |
| --- |

1. Total number of gRNAs:

| Answer:  |
| --- |

1. Is it a knockout, activation, or inhibition library?

| Answer:  |
| --- |

1. Does the backbone contain Cas9? If not, which Cas9-expressing plasmids can be used with this library?

| Answer:  |
| --- |

## III. For non-gRNA libraries

1. What type of library is this?

| Answer:  |
| --- |

1. What species are the inserts?

| Answer:  |
| --- |

1. How many unique inserts does the library contain?

| Answer:  |
| --- |

1. What is the size (or size range) of the insert(s)?

| Answer:  |
| --- |

1. Are there barcodes associated with the inserts?

| Answer:  |
| --- |

## IV. Library backbone

1. Name of library backbone(s)? Please provide the Addgene ID if available.

| Answer:  |
| --- |

1. If the backbone is not already available at Addgene, are you able to deposit the backbone?

| Answer:  |
| --- |

1. What type of vector is the backbone? Please write all that apply from the list below in the box provided. If the vector type is not listed please write other and the vector type.
* Mammalian
* Expression
* Bacterial Expression
* Yeast Expression
* Worm Expression
* Insect Expression
* Plant Expression
* Mouse Targeting
* Lentiviral
* Retroviral
* Adenoviral
* AAV
* RNAi
* Cre/Lox
* CRISPR
* TALEN
* Luciferase
* Synthetic Biology
* Other

| Vector type: |
| --- |

## V. Additional information for all libraries

1. If there are multiple libraries, how does each library differ from one another?
	1. Would a requesting scientist need all or a combination of the libraries for an experiment?

| Answer:  |
| --- |

1. Will you be depositing any individual plasmids, such as companion constructs, alongside the library?

| Answer:  |
| --- |

1. How many requests have you received for this library?

| Answer:  |
| --- |

1. Regarding the biosafety level for these plasmids, can you please confirm that the individual, unmodified plasmids, either in purified form or when introduced into bacterial or mammalian cells can safely be used at BSL-1?

| Answer:  |
| --- |

1. Are there any restrictions or other obligations (*e.g.* patents, licenses, sponsored research agreements, MTAs) related to this library that could affect Addgene’s distribution to academic labs?

| Answer:  |
| --- |

##

## VI. Amplification Questions

Addgene distributes aliquots of pooled library material which will be amplified by the receiving lab for experimental applications.

1. Do you have written protocols for amplification as a Word document or PDF?

| Answer:  |
| --- |

1. How is library representation verified after amplification?

| Answer:  |
| --- |

1. How much DNA would recipient scientists need to amplify this library?

| Answer:  |
| --- |

1. Do you have bioinformatic algorithms used to analyze the library and can they be provided to recipient scientists?

| Answer:  |
| --- |

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### Please note if your library is accepted for distribution, we will require the following files/information prior to receiving the DNA sample:

1. A full plasmid sequence for the vector backbone
2. A full library amplification protocol including the following information:
	1. Is this library amplified in liquid culture or on LB plates?
		1. If you use LB plates how many plates and of what size are used?
	2. Bacterial Strain
	3. Growth Temperature
	4. Growth Time
	5. Amount of DNA (ng) per transformation
	6. Target transformation efficiency (if known)
3. Primers and PCR protocols to prepare samples of amplified library for deep sequencing verification including the following information:
	1. Primers should include any Illumina adapter sequences
	2. Expected size of amplicons
4. A spreadsheet of all target genes and sgRNA sequences
5. Representative Illumina sequencing results (read counts or some representation or visualization thereof) that confirm diversity of the library sample
6. Deconvolution algorithms for analyzing NGS data (if available)
7. A non-copyright figure representing/summarizing the libraries and descriptive figure caption (Optional)