

Resource Summary Report

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FLASH v2.0

DOI:10.17504/protocols.io.6iwhcfe

Type: Protocol

Proper Citation

Amy Lyden, Gloria Castañeda, Emily Crawford, Saharai Caldera, Jenai Quan, Katherine Travisano 2019. FLASH v2.0. protocols.io dx.doi.org/10.17504/protocols.io.6iwhcfe

Protocol Information

URL: <https://dx.doi.org/10.17504/protocols.io.6iwhcfe>

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Group: Chan Zuckerberg Biohub

Summary: FLASH is a crispr-cas9 technology that enriches for targeted sequences in sequencing libraries. The initial DNA sample undergoes a blocking step that removes of the 5' phosphoryl groups of the DNA fragments, resulting in a product that is not amendable for downstream adaptor ligation or amplification via standard Illumina-based library preparation. The subsequent incorporation of targeted CRISPR-cas9 library exposes the desired regions of interest, allowing them to be processed into a library. For more information on methods and results, please see the FLASH paper. For FLASH guide RNA design help, please see our github.

Affiliations: CZ Biohub, CZ Biohub, CZ Biohub, CZ Biohub, UCSF, CZ Biohub, CZ Biohub

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