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(71) Applicant: **REGENERON PHARMACEUTICALS, INC.** [US/US]; 777 Old Saw Mill River Road, Tarrytown, New York 10591 (US).

(72) Inventors: **LEE, Wei Ting Chelsea**; c/o Regeneron Pharmaceuticals, Inc., 777 Old Saw Mill River Road, Tarrytown, New York 10591 (US). **BONETTI, Ciro**; c/o Regeneron

Pharmaceuticals, Inc., 777 Old Saw Mill River Road, Tarrytown, New York 10591 (US).

(74) Agent: **SCHILLING, Stephen H.** et al.; Alston & Bird LLP, Vantage South End, 1120 South Tryon Street, Suite 300, Charlotte, North Carolina 28203-6818 (US).

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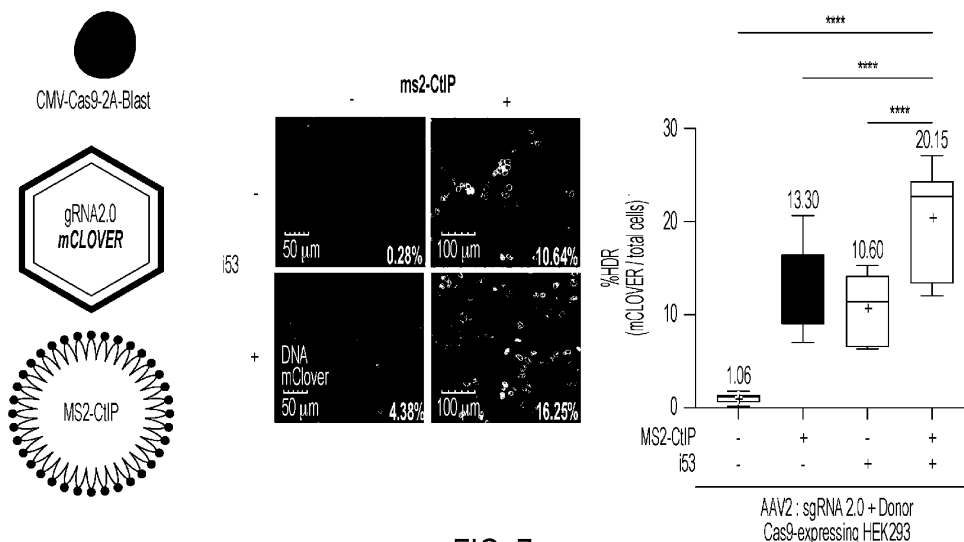


FIG. 7

(57) Abstract: Provided herein are combinations comprising CRISPR/Cas systems, CtBP-interacting protein, and inhibitor of 53BP1 for use in enhancing homology-directed repair of CRISPR/Cas-mediated cleavage of a target DNA by an exogenous donor nucleic acid. Also provided are methods of using such combinations to make a targeted genetic modification in a cell by homology-directed repair of CRISPR/Cas-mediated cleavage at a target genomic locus in the cell.

[Continued on next page]

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