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PATENT ASSIGNMENT

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NATURE OF CONVEYANCE:	EXECUTIVE ORDER 9424, CONFIRMATORY LICENSE

CONVEYING PARTY DATA

Name	Execution Date
MASSACHUSETTS INSTITUTE OF TECHNOLOGY	10/10/2012

RECEIVING PARTY DATA

Name:	National Institutes of Health (NIH), U.S. Dept. of Health and Human Services (DHHS), U.S. Government	
Street Address:	NIH Division of Extramural Inventions and Technology Resources (DEITR)	
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PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12897740

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Total Attachments: 1

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PATENT REEL: 029166 FRAME: 0280

License to the United States Government

Cambridge, MA 02142 US

(Business Address)

RECORDED: 10/22/2012

Sign and submit the executed document to the appropriate funding agency (e.g. upload in iEdison). Invention Title: THE USES OF 21-23 nt SEQUENCE-SPECIFIC MEDIATORS OF DOUBLE-STRANDED RNA INTERFERENCE AS A TOOL TO STUDY GENE FUNCTION AND AS A GENE-SPECIFIC THERAPEUTIC Inventor(s): David P Bartel, Phillip A Sharp, Thomas Tuschl, Phillip D Zamore U.S. Filing/Issue Date: 10/04/2010 Patent or Application Serial No.: 12/897, 740 Grant/Contract Number(s): GM034277 Foreign Applications filed/intended in (countries): The invention identified above is a Subject Invention under 35 U.S.C. 200, et seq., and the Standard Patent Rights clause at 37 CFR 401.14, FAR 52.227-11 or FAR 52.227-12 (if applicable) which are included among the terms of the above identified grant or contract award from the United State Government. This document is confirmatory of: 1. The nonexclusive, nontransferable, irrevocable, paid-up license to practice or have practiced for or on behalf of the United States the invention described in any patent application and in any and all divisions, continuations, and continuations in part, and in any and all patents and re-issues granted thereon throughout the world; and 2. All other rights acquired by the Government by reason of the above identified grant/contract award and the laws and regulations that are applicable to the award. The Government is hereby granted an irrevocable power to inspect and make copies of the above-identified patent application. day of October 10th ,20 12 Signed this By Rolande Johndro (Institutional Business Official) Patent Compliance Administrator For MASSACHUSETTS INSTITUTE OF TECHNOLOGY (Grantee/Contractor Organization) At MIT Technology Licensing Office NE18-501 One Cambridge Center, Kendall Square

> PATENT REEL: 029166 FRAME: 0281