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GenBank: GU045595.1

Synthetic construct Mac gene, complete cds

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LOCUS GU045595 942 bp DNA linear SYN

06-JAN-2010

DEFINITION Synthetic construct Mac gene, complete cds.

ACCESSION GU045595

VERSION GU045595.1 GI:282892264

KEYWORDS .

SOURCE synthetic construct

ORGANISM [synthetic construct](#)

other sequences; artificial sequences.

REFERENCE 1 (bases 1 to 942)

AUTHORS Chow,B., Han,X., Dobry,A., Qian,X., Chuong,A., Li,M.,

Henninger,M.,

Monahan,P. and Boyden,E.

TITLE High-Performance Genetically-Targetable Optical Neural

Silencing

via the Class of Light-Driven Proton Pumps

JOURNAL Nature (2010) In press

REFERENCE 2 (bases 1 to 942)

AUTHORS Chow,B., Han,X., Dobry,A., Qian,X., Chuong,A., Li,M., Henninger,M.,

Monahan,P. and Boyden,E.

TITLE Direct Submission

JOURNAL Submitted (28-SEP-2009) MIT, Media Lab, BCS, BE, E15-430, 20 Ames

St., Cambridge, MA 01242, USA

FEATURES Location/Qualifiers

source

1..942

/organism="synthetic construct"

/mol_type="other DNA"

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/note="derived from Leptospaeria maculans"

1..942

/note="opsin; mammalian codon-optimized"

/codon_start=1

/transl_table=11

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/db_xref="GI:282892265"

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TGHGVALNKIVIRTQHDHVPDPTYETVYRQVYYARYIDWAIITPLLLLDLGLLAGMSG

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GEKLRSFVFAIGAYTLILWTAYPVWGLADGARKIGVDGEIIAYAVLDVLAKGVFGAW

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[CDS](#)

ORIGIN

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```

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//

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