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GenBank: GU045599.1

## Synthetic construct ss-Prl-Arch-GFP gene, complete cds

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LOCUS GU045599 1674 bp DNA linear SYN

06-JAN-2010

DEFINITION Synthetic construct ss-Prl-Arch-GFP gene, complete cds.

ACCESSION GU045599

VERSION GU045599.1 GI:282892272

KEYWORDS .

SOURCE synthetic construct

ORGANISM [synthetic construct](#)

other sequences; artificial sequences.

REFERENCE 1 (bases 1 to 1674)

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 1674)

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..1674

/organism="synthetic construct"

/mol\_type="other DNA"

/db\_xref="taxon:32630"

/note="derived from Halorubrum sodomense"

1..1674

/note="aR-3; archaerhodopsin-3; mammalian codon-optimized;

flanked with enhanced trafficking sequences; fused to GFP"

/codon\_start=1

/transl\_table=11

/product="ss-Prl-Arch-GFP"

/protein\_id="ADB03116.1"

/db\_xref="GI:282892273"

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ATSLRSAKERGPEVASTFNLTALVVLWTAYPILWIIGTEGAGVVGLGIETLLFMV

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ORIGIN

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```

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