

Pathway Construct Report

Pathway information

compound0: trans

↓ 2.5.1.10

compound1: trans-Farnesyl diphosphate

↓ 2.5.1.29

compound2: Isopentenyl diphosphate

↓ 2.5.1.32

compound3: Geranylgeranyl diphosphate

↓ 2.5.1.32

compound4: Prephytoene diphosphate

↓ 1.3.99.31

compound5: 15-cis-Phytoene

↓ 5.5.1.19

compound6: Lycopene

↓ 1.14.15.24

compound7: beta-Carotene

↓ 1.14.99.64

compound8: Zeaxanthin

↓ 1.14.99.64

compound9: Adonixanthin

Enzyme information

-----EC:5.5.1.19-----

-Physical and chemical properties

org: Sulfolobus solfataricus

KKM: -

KM: 0

PH: -

T: -

-Sequence

> - | **Sulfolobus solfataricus** | 1bp

-

-----EC:2.5.1.32-----

-Physical and chemical properties

org: Pantoea agglomerans

KKM: -

KM: 0

PH: 7.93

T: -

-Sequence

> - | **Pantoea agglomerans** | 1bp

-

-----EC:1.3.99.31-----

-Physical and chemical properties

org: Pantoea agglomerans

KKM: -

KM: 0

PH: -

T: -

-Sequence

> - | **Pantoea agglomerans** | 1bp

-

-----EC:1.14.15.24-----

-Physical and chemical properties

org: Pantoea agglomerans

KKM: -

KM: 0

PH: -

T: -

-Sequence

> - | **Pantoea agglomerans** | 1bp

-

-----EC:2.5.1.10-----

-Physical and chemical properties

org: Ricinus communis

KKM: -

KM: 0

PH: 6.93

T: -

-Sequence

> - | **Ricinus communis** | 1bp

-

-----EC:1.14.99.64-----

-Physical and chemical properties

org: Myxococcus fulvus

KKM: -

KM: -

PH: -

T: -

-Sequence

> **LILAB_16045** | **Myxococcus fulvus** | 420bp

```
ATGGAGACTT TCGCCGGCCA ACGCCGTCCC GCACCGCCCG
GAGCCTGGGG CGTCGTCATC CTGCCGTGGG TGGAGCCGCT
CACCTGGCTG CACGTCGCCC TCCAGGCCTG GCTTTGCACG
AACGAGGCCG TGGGCACGGT CGCCTGCTTC CTCTTCGCGG
GGCTGTCCTA CCGGCGGCTG ACCCACAGCC AGTCCTTCTG
GCCCTGGCTG GGGACCTTCA TGGCCCGCTA CACGACGTTG
CCGCGCATCC TCGTCTTCTG GGTGCTGCCC TCGGTGCTGG
GCACCCTGCA GCTCTTCTAC CGCACGCTGC CGCGCAACCA
CCTGTGGGCC CTGCTGTCGT GCTTCTTCTT CGGCTACCAC
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CGGGCCCGCG AGGCCGCGCT GGCGCAGGGC GCCGGGACGC
TCCCGGGACA GGAAGGCACT

-----EC:2.5.1.32-----

-Physical and chemical properties

org: Pantoea agglomerans

KKM: -

KM: 0

PH: 7.93

T: -

-Sequence

> - | Pantoea agglomerans | 1bp

-

-----EC:1.14.99.64-----

-Physical and chemical properties

org: Myxococcus fulvus

KKM: -

KM: -

PH: -

T: -

-Sequence

> LILAB_16045 | Myxococcus fulvus | 420bp

ATGGAGACTT TCGCCGGCCA ACGCCGTCCC GCACCGCCCG
GAGCCTGGGG CGTCGTCATC CTGCCGTGGG TGGAGCCGCT
CACCTGGCTG CACGTCGCCC TCCAGGCCTG GCTTTGCACG
AACGAGGCCG TGGGCACGGT CGCCTGCTTC CTCTTCGCGG
GGCTGTCCTA CCGGCGGCTG ACCCACAGCC AGTCCTTCTG
GCCCTGGCTG GGGACCTTCA TGGCCCGCTA CACGACGTTG
CCGCGCATCC TCGTCTTCTG GGTGCTGCCC TCGGTGCTGG
GCACCCTGCA GCTCTTCTAC CGCACGCTGC CGCGCAACCA
CCTGTGGGCC CTGCTGTCGT GCTTCTTCTT CGGCTACCAC

CGGGCCCGCG AGGCCGCGCT GGCGCAGGGC GCCGGGACGC
TCCCGGGACA GGAAGGCACT

-----EC:2.5.1.29-----

-Physical and chemical properties

org: Ricinus communis

KKM: -

KM: 0

PH: -

T: -

-Sequence

> - | Ricinus communis | 1bp

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