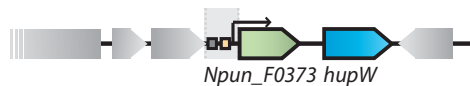


A

Nostoc punctiforme ATCC 29133*Anabaena variabilis* ATCC 29413*Nostoc* sp. strain PCC 7120*Nostoc* sp. strain PCC 7422*Nodularia spumigena* CCY9414

B

putative *NtcA* b.s.

-10

R.B.S.

-AACTC**GTAG**CGTAACA**CACT**AAAA...13N...TGAGT**TAGGCT**GCCTT... 22N...TTTACACGGTAAGCTT**gtg**

-AACTC**GTAG**CGTAACA**CACT**AAAA...13N...TAAGT**TAGGCT**GCCTT... 23N ...TTTATAGGTAAGCTT**gtg**

-GAGTC**GTAG**CATAACA**CACT**AAAA... 8N...AACAG**TAGGTT**AGGCTT... 28N ...TTTATAGGTAAGCTT**gtg**

-AACTC**GTAG**CGTAACA**CACT**AAAA...13N...TGGGT**TAGGCT**TGGCTT...23N...TTTACACGGTAAGCTT**gtg**

500 bp



Unknown gene

*hupS/hupL**hupW*

Annotated protein

Putative *NtcA* binding site and -10 box

Promotor region