

Figure 10

A) 

INSERT A SEQUENCE (in fasta format)

>sp|Q9KR80|AROA_VIBCH
MESLTLQPIELISGEVNLPGSKSVSNRALLAALASGTTRLTNLLSDDIRHMLNALTKL
GVNYRLSADKTTCEVEGLGQAFHTTQPLELFLGNAGTAMRPLAALCLGQGDYVLTGEPR
MKERPIGHLVDALRQAGAQIEVLEQENFPPLRIQGTGLQACTVTIDGSISSQFLTAFLMS
APLAQGKVTIKIVGELVSKPYIDITLHIMEQGVQVINHDYQEFVIPAGQSVSPGQFLV
EGDASSASYFLAAAIKGGEVKVTGIGKNSIQGDIQFADALEKMGAEIWDGDDYVIARRG
ELNAVDLDFNHIPDAAMTIATTALFAKGTTAIRNVYNWRVKETDRLAAMATELRKVGATV
EEGEDFIVITPPTKLIHAAIDTYDDHRMAMCFSLVALSDTFVTINDPKCTSKTFPDYFDK
FAQLSR

INSERT A REFERENCE SEQUENCE (optional)

>Reference_Sequence
MESLTLQPIELISGEVNLPGSKSVSNRALLAALASGTTRLTNLLSDDIRHMLNALTKL
GVNYRLSADKTTCEVEGLGQAFHTTQPLELFLGNAGTAMRPLAALCLGQGDYVLTGEPR
MKERPIGHLVDALRQAGAQIEVLEQENFPPLRIQGTGLQACTVTIDGSISSQFLTAFLMS
APLAQGKVTIKIVGELVSKPYIDITLHIMEQGVQVINHDYQEFVIPAGQSVSPGQFLV
EGDASSASYFLAAAIKGGEVKVTGIGKNSIQGDIQFADALEKMGAEIWDGDDYVIARRG
ELNAVDLDFNHIPDAAMTIATTALFAKGTTAIRNVYNWRVKETDRLAAMATELRKVGATV
EEGEDFIVITPPTKLIHAAIDTYDDHRMAMCFSLVALSDTFVTINDPKCTSKTFPDYFDK
FAQLSR

INSERT AA MARKERS (optional)

#AA,Position
S/A,21
K,22
S,23
R,27
D,49
G,96
T,97
R,100
R,124

SEND

D) 

EPSP Synthase Class

Query sequence ID: 378384

CLASS	IDENTITY	MOTIFS (n_positives / n_total)
Class I (alpha)	1.000	-
Class I (beta)	1.000	-
Class II	0.605	-
Class III	0.465	0 / 18
Class IV	0.233	-
Reference	1.000	-