

SEQUENCE LISTING

<110> RO, DAE-KYUN
 NEWMAN, KARYN
 PARADISE, ERIC M.
 KEASLING, JAY D.
 OUELLET, MARIO
 EACHUS, RACHEL
 HO, KIMBERLY
 HAM, TIMOTHY

<120> POLYNUCLEOTIDES ENCODING ISOPRENOID
 MODIFYING ENZYMES AND METHODS OF USE THEREOF

<130> BERK-049WO

<150> 60/697,067

<151> 2005-07-05

<160> 33

<170> FastSEQ for Windows Version 4.0

<210> 1

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<212> DNA

<213> Artemisia annua

<400> 1

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<213> Artemisia annua

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 <213> *Artemisia annua*

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 Arg Glu Gly Ala Thr Lys Glu Tyr Val Gln His Lys Met Thr Gln Lys
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 645 650 655
 Cys Gly Asp Ala Lys Gly Met Ala Lys Asp Val His Arg Thr Leu His
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 Thr Ile Val Gln Glu Gln Gly Ser Leu Asp Ser Ser Lys Ala Glu Leu
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<212> DNA

<213> Artemisia annua

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<211> 488

<212> PRT

<213> Artemisia annua

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385					390					395				400	
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				405					410					415	
Gly	Ala	Glu	Tyr	Glu	Tyr	Leu	Pro	Phe	Gly	Ala	Gly	Arg	Arg	Met	Cys
			420					425					430		
Pro	Gly	Ala	Ala	Leu	Gly	Leu	Ala	Asn	Val	Gln	Leu	Pro	Leu	Ala	Asn
		435					440					445			
Ile	Leu	Tyr	His	Phe	Asn	Trp	Lys	Leu	Pro	Asn	Gly	Ala	Ser	Tyr	Asp
450						455					460				
Gln	Ile	Asp	Met	Thr	Glu	Arg	Phe	Gly	Ile	Ser	Val	Glu	Arg	Lys	Thr
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caagttggtt gcaatgatac ttagtagagc tgcgtttggg aaaagaatca aggaccataa 240
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tatctttcct tcgcagaaat ttotacatca tatttcgggc aagagatcta ggttaactag 360
cattcacaaa aagctcgata atttaataca taaccttggt gctgagcata ttgttgaagc 420
ctcaagtaaa actaaggaga cgtccottga tgttcttcta aggcacaaag atagccttga 480
attcccattg acagctgata acgttaaago catcattttg gtatgaatta atccaatata 540
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ccgtcaacca gtcaatttgg ctggatatga cataccat aagaccaaac ttattgtcaa 960
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