

LISTAS DE SECUENCIAS

<110>	Biobab S.L. R&D					
<120>	Pseudomonas palmensis P7 estimulante del metabolismo adaptativo de plantas frente a estrés abiótico y mejoradora de nutrición de hierro					
<130>	fig 666666.276201					
<160>	41					
<210>	1					
<211>	477					
<212>	DNA (ADN)					
<213>	Pseudomonas palmensis					
<400>	Gen1					
atgctccagt	gcaccctgat	tcagcccctg	ggccgtggca	tggcgcaggc	gagccgccgc	60
ttcgagttgt	tcacgcagcg	acaggggggc	gccggcgggc	tgtgcagccg	gttcgggagc	120
gggcggtata	cgcttcacgg	gcgcggggcac	cgcaacgact	gccggcgcgag	gagctggtgc	180
ctgtaccggc	gcaggcaccg	atgccagggg	cggcggcgagc	ttcagggccg	ccagggtcgc	240
ggccaccggg	gcaaccggct	cgggcgcggc	agcagggtgtg	atcggttcag	ccaccgtcag	300
cgcggttcg	aggtattcga	actcggtgtc	gatttcttta	tagctgtccg	cacttgcccc	360
aaacctggtg	aacagatttc	caatgtcgtc	tgcattgactc	atatgtgtaa	tcccggccta	420
cggctatctg	atcaactgct	ggggcagata	aggtctgtca	cactgctagg	atgctaa	477
<210>	2					
<211>	462					
<212>	DNA (ADN)					
<213>	Pseudomonas palmensis					
<400>	Gen2					
atgccgcgtc	ctgcggctgg	ggcaaggata	gtggtgcgcg	cgcagggtgc	gcgggggaga	60
gtgagtcgag	gtttgcagc	ggttgacggg	gccaggggcg	ctgttcaaga	tcacggcgcc	120
ccggtgcagc	cttcgccggc	aacaccggct	ccaacaaggg	cacaaccaga	caggagtctg	180
tcatgcagtc	gttcaccca	cccgcacta	ccgccgatat	cgaggcgctt	ttcgagatcc	240
gcaccagcgt	cgtcgagaac	catctgtctc	gcgaacagat	gctggcgctg	ggtatcacc	300
cggccagcct	ggccgaggcc	atcgcgccg	ccccgtgcgc	ctggctggcg	gaagtcgagg	360
gcatgccggc	ggcgtttgcc	atggtcgatc	tggaagacgc	ctgcgtgttc	gcgctgttcg	420
tcaaacctgc	attcgaaggg	caggggctgg	cccgcgaact	ga		462
<210>	3					
<211>	234					
<212>	DNA (ADN)					
<213>	Pseudomonas palmensis					
<400>	Gen3					
ttggctatac	accaacatcc	acaaaacctg	acttgaaga	aagaagagcg	gcgccaaggc	60
gcctacaggg	acaggctcgg	cttcaggacg	caagcagcgc	gacgatcatc	gccagcgcat	120
gctgctggc	aagcaacgtc	aacggctgca	ggcctcgga	aggctatcgg	cagcacgtgc	180
actttgcttg	aggcgccgca	agcatgcggc	acgaagccaa	cgcgccaagt	gtga	234
<210>	4					
<211>	225					
<212>	DNA (ADN)					
<213>	Pseudomonas palmensis					
<400>	Gen4					
ttggagacga	gggaagacgg	ggggaaatta	gggggctggc	cactccagtt	ccgcaggccc	60

cggcacgttg	catgtgccgt	gtgcacgcta	tgcaggcgcc	agccttgctg	gccaacgcat	120
gcgccggcgc	tttcacagcc	taaatacacc	tgcacctgct	tcgttctgt ^o gggtacgact		180
ggacctgtg	gtcccgcac	ctatcgacaa	ggacgcattg	catga		225
<210>	5					
<211>	210					
<212>	DNA (ADN)					
<213>	<i>Pseudomonas palmensis</i>					
<400>	Gen5					
atggctgtag	cgggcccg	cggcgacttc	gaccatccgg	ggtggggaca	gctcaaggac	60
agtgagggcg	gccagggaca	tgacacgtgg	gttcattggag	gagtctcggg	tgctgtgtg	120
tatttgcatt	atttagaact	tagttccaat	ttcaatgcaa	gtacaaaaaa	aacagcttg	180
cgctccgcaa	aactgccttt	gtttgcctga				210
<210>	6					
<211>	204					
<212>	DNA (ADN)					
<213>	<i>Pseudomonas palmensis</i>					
<400>	Gen6					
atggccgctt	tcatctggca	cagcagcgta	gtcactcacg	agcacctcca	accttgtgat	60
ttttattctg	ttggcgcacg	ccccgaacc	cgcaagcccg	gtactgacgc	gggaacaggc	120
ggctgctgcc	ctgctcgagt	cttagggcac	gaaggggctg	gcacaagcga	aaaaaaatgg	180
gctggtcctg	aattattttc	ctga				204
<210>	7					
<211>	195					
<212>	DNA (ADN)					
<213>	<i>Pseudomonas palmensis</i>					
<400>	Gen7					
atgagcgcg	atgatttcaa	gggcagggtt	tccctggtac	ccctgagcgc	acagcatagc	60
cgttcatcgg	ccgtataca	gctgaggcgt	cagcctgatg	tactgcaggg	gaggctgccg	120
ctgtcggcag	gcccgggcac	taaagtactt	acaatttttc	ttacgccctg	tagaatcgcg	180
ttacgcatac	aataa					195
<210>	8					
<211>	192					
<212>	DNA (ADN)					
<213>	<i>Pseudomonas palmensis</i>					
<400>	Gen8					
atgacctcta	gaaaccagac	aaagcttgcg	ctgcggcgac	agactgcgag	cgcagtggcc	60
gaacgacagg	tgttttatg	ggagggcgca	cactctgaag	cagcaccgcg	cacttgtcaa	120
agtacggggc	tagacggctg	cacgcgggtc	gcatgcatga	ctgaaaacga	cgcatttcaa	180
ttgaacgttt	ga					192
<210>	9					
<211>	185					
<212>	DNA (ADN)					
<213>	<i>Pseudomonas palmensis</i>					
<400>	Gen9					
gtggcctgca	ccgcagaggc	acggtcagca	agccacgacc	agaaaagcaa	accgcccccc	60
gcaaccacca	agccagcg	cagggatacc	agggccacac	cggttaccaa	caggggcaag	120
cccaataggc	cggtgagcca	ggacaggtag	accagtttca	tatgccgacc	cctttgtcgt	180
gatag						185

<210>	10					
<211>	162					
<212>	DNA (ADN)					
<213>	<i>Pseudomonas palmensis</i>					
<400>	Gen10					
ttgctatctg	gtgaggacga	gcgcaatcgg	cagaaattta	gccgtcgcct	gcgccctgtg	60
cgggccgccc	ggggccgctt	gctggctaaa	ttccctgtg	tgcacaacgt	tctagcttcg	120
acaacgccat	gctccatggc	gcaacgcgag	acacacaggt	ag		162
<210>	11					
<211>	156					
<212>	DNA (ADN)					
<213>	<i>Pseudomonas palmensis</i>					
<400>	Gen11					
atggcagatg	tgcgggggca	ggcgggcgag	catacgatct	cctgggtcgg	gccttgtccg	60
ttgcaggcc	gggagtcgta	tcgacgaatg	aggctgttct	gtaccggggc	gtggcccttt	120
gcgcggacgg	caggcgcgga	gaacgccagg	gcgtga			156
<210>	12					
<211>	156					
<212>	DNA (ADN)					
<213>	<i>Pseudomonas palmensis</i>					
<400>	Gen12					
gtggctgaac	ttcaggtttt	tggtcattgc	gaggctctgtc	tgcacaaggc	ggtcaacggg	60
gagggcgcg	cgaaacgtcg	cagcgccctc	ctgtgtcgtc	cgcgccgggc	aaaaaatga	120
gcggatgtgc	gactagtcaa	caaatggcaa	cgataa			156
<210>	13					
<211>	150					
<212>	DNA (ADN)					
<213>	<i>Pseudomonas palmensis</i>					
<400>	Gen13					
ttgaggcttg	agagcatagg	gaatgaagcc	actgaagtat	cgctgttgaa	agccgggtcga	60
atatcgccca	acaggcgttt	ggggcaacgc	ctggatttaa	ctttgtgcag	ttttgccaac	120
actggaatca	gacgatttca	agtgtgtcga				150
<210>	14					
<211>	150					
<212>	DNA (ADN)					
<213>	<i>Pseudomonas palmensis</i>					
<400>	Gen14					
ttgccccg	aactggcgcg	cagcgccagc	aaaacctg	aacgcgatct	ggctgatgca	60
ccgcgcacga	tcgtcgccca	gcagcagccc	acctgcacgc	atgtggttga	gctaccgctt	120
gagcccagcc	aagtcagtaa	ggcacgttga				150
<210>	15					
<211>	147					
<212>	DNA (ADN)					
<213>	<i>Pseudomonas palmensis</i>					
<400>	Gen15					
gtgctgggag	tgacggcg	agggcaggca	gaacgcgggc	gtggaaggac	atcagtatca	60
ccattgttgt	tggtgattgg	gccgggcact	gcagtaaagt	cagagccctg	gctgaccggt	120
cttttgccgg	aggtgaggcg	atgctaa				147

<210>	16					
<211>	147					
<212>	DNA (ADN)					
<213>	<i>Pseudomonas palmensis</i>					
<400>	Gen16					
atggatcacg	gtcacaccgt	caccgaaacc	catgtcttcc	cgctcaagtc	ggcggatttc	60
tgcatcaggg	gatgctgcgc	tggcgccggt	ggccagcagc	aggaggcaga	gggcgaggcg	120
ggcatggct	gcacctcgcc	gctgtag				147
<210>	17					
<211>	144					
<212>	DNA (ADN)					
<213>	<i>Pseudomonas palmensis</i>					
<400>	Gen17					
atggtacgac	gaatttctat	cgtactgata	agcgggatcg	agggtggtga	ggggtattca	60
ccgatctggc	tgagcatcga	acatttcgac	catcatttcc	tcatgcttct	ttgccttac	120
ggtgtagagc	atgcaccggt	gtaa				144
<210>	18					
<211>	141					
<212>	DNA (ADN)					
<213>	<i>Pseudomonas palmensis</i>					
<400>	Gen18					
gtgggccagc	cgctgactcg	ttgccagcag	gtgcgcccgc	tgttctgtca	ggcgttcctg	60
ggcgatggca	tcaatgtccg	cgttcaggac	ggcgatctgc	ctggcatggt	cggcttcccg	120
ctgtgcgagc	cccgcggcta	a				141
<210>	19					
<211>	141					
<212>	DNA (ADN)					
<213>	<i>Pseudomonas palmensis</i>					
<400>	Gen19					
atggccgctg	gccgcacttg	cggcacggcc	ggctgctcga	tcgacttcat	ccgcgaggct	60
agatcagca	cgagcagcgg	cagcatcagc	caccgcacgg	tcaatggttt	tctgtccatc	120
ctgaatcgcc	ttgttgattg	a				141
<210>	20					
<211>	141					
<212>	DNA (ADN)					
<213>	<i>Pseudomonas palmensis</i>					
<400>	Gen20 fig 66666666.276201.peg.3580					
atgttgctgc	aggtaccggg	gcttggcatg	cccggcaagc	tgggccaagc	ttgcatgggc	60
ctgcagcagt	tgcttacta	cgggcctttc	atcgatagcg	ctgatgatta	ctatcaaagg	120
gcccgcctgt	cggcgcggtg	a				141
<210>	21					
<211>	138					
<212>	DNA (ADN)					
<213>	<i>Pseudomonas palmensis</i>					
<400>	Gen21					
gtggtcgta	tcggccagcg	gccggagctc	gcccggcctg	ctgaaaggcg	ccctacttta	60
actgaacccc	ccacctcgac	aaacagcgaa	tgcacacacg	gcgaaaaagg	cctgacctgt	120

aaaaaaacat	atctatga						138
<210>	22						
<211>	132						
<212>	DNA (ADN)						
<213>	<i>Pseudomonas palmensis</i>						
<400>	Gen22						
gtggagtatc	cggcgaagcg	ccatattcgc	cgggaagtca	gggcgttttc	tcagaacctg	60	
cctgtagtag	ttcttcgcc	attgtgggtt	ggccgcaagc	caagcccgat	gggtgattgc	120	
ctgctgcgct	ga					132	
<210>	23						
<211>	132						
<212>	DNA (ADN)						
<213>	<i>Pseudomonas palmensis</i>						
<400>	Gen23						
tgggggaac	cacaatggcg	tttcatggg	cgacggctac	acggttggca	ggagcgagcg	60	
cggctcgag	gcgttgcgga	ttcggcaca	ggcaaaaaca	gggcaacccg	aggggcgccc	120	
tgctatgct	ga					132	
<210>	24						
<211>	126						
<212>	DNA (ADN)						
<213>	<i>Pseudomonas palmensis</i>						
<400>	Gen24						
atggccaacg	ccacctggg	tcaccccgag	gcgttcggcc	agtttctcct	gcgtgaggcc	60	
cagctcgcg	attctggctt	tcgccagttc	attccatttt	ttcatcgctg	gcacgatacg	120	
gactga						126	
<210>	25						
<211>	126						
<212>	DNA (ADN)						
<213>	<i>Pseudomonas palmensis</i>						
<400>	Gen25						
gtggatcacc	ggtgtggact	ccttgagggtg	agggatgcag	ctttttattg	tgcaagcgg	60	
tgttttcttg	tgaggacaca	tctctggccg	cagaaccttt	tgtccaggcc	aaaaaaaaagc	120	
cgctga						126	
<210>	26						
<211>	126						
<212>	DNA (ADN)						
<213>	<i>Pseudomonas palmensis</i>						
<400>	Gen26						
ttggacattg	gcatagaggt	gttgctgtta	cagagcgtgt	gtggcaagca	acacatgaag	60	
aaattgctga	gttactggat	gcttcagggg	ttgctagccg	tgatgcagac	caccttcaaa	120	
agctaa						126	
<210>	27						
<211>	126						
<212>	DNA (ADN)						
<213>	<i>Pseudomonas palmensis</i>						
<400>	Gen27						
ttgagcggcg	gtcatggtga	actccacagc	gaactgatca	cggaatgcgg	gcgcctcgct	60	
gcgtgcagcg	gggcccgtcg	gttatctgtg	agggacagta	atgcgcctgg	aagtgaggct	120	

caatga						126
<210>	28					
<211>	126					
<212>	DNA (ADN)					
<213>	Pseudomonas palmensis					
<400>	Gen28 fig 6666666.276201.peg.312					
atgcaccaca	atgttgggca	ggctgccgtt	ctcaaatcga	atggctctgg	caccggcaaa	60
cttgaagccc	gtggccatgg	cgatgctgcc	tgccctggcct	cgcaagaggt	gcgtgttgtg	120
tattga						126
<210>	29					
<211>	123					
<212>	DNA (ADN)					
<213>	Pseudomonas palmensis					
<400>	Gen29 fig 6666666.276201.peg.4067					
gtgcagcggg	tggtgttcag	gtggctcgta	gcttgtcgcc	aggcgccggc	cggtgcaagg	60
gcaacgcagc	gctggccgac	gtcaggctat	cggccggatg	cccgcgtagt	taatagtggc	120
tga						123
<210>	30					
<211>	123					
<212>	DNA (ADN)					
<213>	Pseudomonas palmensis					
<400>	Gen30 fig 6666666.276201.peg.5179					
ttgaactcct	gcccgcgaga	gaaattcacg	ggcttcttca	acctgatatc	gcttggcctc	60
tttgctggg	tgcgggcggt	ggcagcgcca	ctgctgatcg	cccagcacca	gcttgagcct	120
tga						123
<210>	31					
<211>	120					
<212>	DNA (ADN)					
<213>	Pseudomonas palmensis					
<400>	Gen31 fig 6666666.276201.peg.5272					
ttgccggtga	aggattcggt	gggattgccg	caaataattt	gtgcgatcat	tcgccggcaa	60
ggccgtcccc	tgcaaggcatt	tgcaaggcaca	aaaaaacccg	ccgaggcggg	ttgatgtag	120
<210>	32					
<211>	120					
<212>	DNA (ADN)					
<213>	Pseudomonas palmensis					
<400>	Gen32 fig 6666666.276201.peg.2055					
ttggtacagg	ccgaagggaa	tcagcaggag	gccgaaaccg	aaggctcgag	tcgcaatgac	60
gatgcccgt	gggatcgacg	caacgccaat	cagaacgccg	gccaaaaaac	cggatcgtag	120
<210>	33					
<211>	120					
<212>	DNA (ADN)					
<213>	Pseudomonas palmensis					

<400>	Gen33 fig 66666666.276201.peg.3769					
gtgcgtttct	ttctcgtggt	ccttgagggg	gataggctgg	ggcatgtgca	ggctcttgcg	60
gaaaacggat	acaccaccgg	cctgggagca	ggcagtgaac	gggcgcgatg	gcgtgaatga	120
<210>	34					
<211>	117					
<212>	DNA (ADN)					
<213>	Pseudomonas palmensis					
<400>	Gen34 fig 66666666.276201.peg.3932					
ttgcttaaac	cgagcgccat	ggcctgcatg	ccttggcgcc	gctggcccgg	cagcgaaacg	60
caacacgaac	ggaagccgac	cgcaatcaag	cagcttttga	tagttgggga	aggttga	117
<210>	35					
<211>	117					
<212>	DNA (ADN)					
<213>	Pseudomonas palmensis					
<400>	Gen35 fig 66666666.276201.peg.4843					
ttgcgcgcca	ctggtggaga	acaatcgctg	gaaaaaatct	ctcatcacac	gcatcccaaa	60
acaggtagac	cgatcgttct	cggcaggcgc	gtgaagtatg	tgagatctgc	gatataa	117
<210>	36					
<211>	117					
<212>	DNA (ADN)					
<213>	Pseudomonas palmensis					
<400>	Gen36 fig 66666666.276201.peg.3663					
atggttggtc	gagggcacag	cggtgcagcg	caaaggctgt	gcaaaagcac	aaagacagcg	60
tcctctggct	caaacagact	cgcatgaca	actgcctcga	cgcagttgcg	gcgataa	117
<210>	37					
<211>	117					
<212>	DNA (ADN)					
<213>	Pseudomonas palmensis					
<400>	Gen37 fig 66666666.276201.peg.311					
atgtgcatgg	cggctttgca	gaaagggcag	ggcagcagtt	cgctgaccat	ctgttcggtg	60
ttgctggatc	ggttttctgt	gggcatgggg	atacctcgct	ggatcgctcta	cagttga	117
<210>	38					
<211>	117					
<212>	DNA (ADN)					
<213>	Pseudomonas palmensis					
<400>	Gen38 fig 66666666.276201.peg.3014					
atgaggccca	agcatagtca	ccggcccctg	cgccggcaac	gcccgcctct	gcccggtttg	60
cgctgcctgc	aggcgctggc	gttgccggcg	aaggcgtcac	tggagatcct	tgcataa	117
<210>	39					
<211>	114					
<212>	DNA (ADN)					
<213>	Pseudomonas palmensis					

<400>	Gen39 fig 66666666.276201.peg.2287						
atgctctgca	tgaggttcga	cagcggcgct	gatcatactt	gtctccgtcc	cttgttctgc	60	
gggcgtatcc	cacccgctgc	atgtctgtac	tggtgttctc	gctatgtcat	gtga	114	
<210>	40						
<211>	114						
<212>	DNA (ADN)						
<213>	Pseudomonas palmensis						
<400>	Gen40 fig 66666666.276201.peg.470						
ttgccagtgg	ggtctgcgcg	aatgcgcaat	ttcgcgctca	acgctagatg	gcgaatggag	60	
gggtgtcaaa	tgcccatgtc	agccagcaat	ccgaagctca	atttgcgccg	ttga	114	
<210>	41						
<211>	114						
<212>	DNA (ADN)						
<213>	Pseudomonas palmensis						
<400>	Gen41 fig 66666666.276201.peg.1618						
atggcgaaaa	aaggtgcaac	ggtgtcgcg	ttggtcatgg	ttgtctccct	gttcaacccg	60	
ccaagcctcg	acagttgccc	gccgcaagtc	aagaaatggc	aaagaagcga	ttga	114	