

Lista de secuencias

1	Información sobre la lista de secuencias	
1-1	Nombre del fichero	Sequence Listing_A24012-WO (G3419WO).xml
1-2	Versión de la DTD	V1_3
1-3	Nombre del software	WIPO Sequence
1-4	Versión del software	2.3.0
1-5	Fecha de producción	2024-07-02
2	Información general	
2-4	Solicitud actual: Referencia al expediente del solicitante	A24012-WO
2-5	Solicitud de prioridad más antigua: Oficina de PI	JP
2-6	Solicitud de prioridad más antigua: Número de solicitud	2023-139803
2-7	Solicitud de prioridad más antigua: Fecha de presentación	2023-08-30
2-8en	Nombre del solicitante	Astellas Pharma Inc.
2-10en	Título de la invención	VARIANTE DE IdeZ
2-11	Número total de secuencias	35
3-1	Secuencias	
3-1-1	Identificador de la secuencia	1
3-1-2	Tipo de molécula	AA
3-1-3	Extensión	349
3-1-4-1	Características Localización/Calificadores	source 1..349

organism = *Streptococcus equi*

Residuos

IGMKKYFVGI NAHGHVAISA KKIEGENIGA QVLGLFTLSS GKDIWQKLS349

Secuencias

2

DNA

945

source 1..945

organism = *Streptococcus equi*

Residuos

ttcgaccaga acaagaccga gatcgaggcc tacctgagca agcaccgccga gaagcagaag300

atcatcttca acaatcaaga gctgttcgac ctgaaggccg ccatcgacac caaggactcc360
cagaccaaca gccagctgtt caactacttc cgcgacaagg cctttcctaa cctgtctgct420
agacagctgg gcgtgatgcc tgacctggtg ctggacatgt tcatcaacgg ctactacctg480
aacgtgttca agaccagtc caccgacgtg aaccggcctt accaggacaa ggataagaga540
ggcggcatct tcgacgccgt gttcaccaga ggcgatcaga ccacactgct gaccgccaga600
cacgatctga agaacaaggg cctgaacgac atctccacca tcatcaagca agagctgacc660
gagggcagag ccctggctct gtctcacacc tacgccaacg tgtccatcag ccacgtgatc720
aacctgtggg gcgctgactt taacgccgag ggcaatctgg aagccatcta cgtgaccgac780
tctgacgcca acgctccat cggcatgaag aaatacttcg tgggcatcaa cgctcacggc840
catgtggcca tctccgcaa gaagatcgag ggcgagaata tcggcgctca ggtgctgggc900
ctgttcaccc tgagttccgg caaggatatc tggcagaagc tgtcc945

3-3	Secuencias	
3-3-1	Identificador de la secuencia	3
3-3-2	Tipo de molécula	AA
3-3-3	Extensión	315
3-3-4-1	Características Localización/Calificadores	source 1..315 mol_type = protein organism = Streptococcus equi
3-3-5	Residuos	
	DDYQRNAAEV YAKEVPHQIT SVWTKGVTP L TPEQFRYNNE DVIHAPYLAH QGWYDITKVF60	
	DGKDNLLCGA ATAGNMLHWW FDQNKTEIEA YLSKHPEKQK IIFNNQELFD LKAAIDTKDS120	
	QTNSQLFN YF RDKAFPNLSA RQLGVMPDLV LDMFINGYYL NVFKTQSTDV NRPYQDKDKR180	

GGIFDAVFTR GDQTLLTAR HDLKNKGLND ISTIIKQELT EGRALALSHT YANVSISHV1240
NLWGADFNAE GNLEAIYVTD SDANASIGMK KYFVGINAHG HVAISAKKIE GENIGAQVLG300
LFTLSSGKDI WQKLS315

3-4	Secuencias	
3-4-1	Identificador de la secuencia	4
3-4-2	Tipo de molécula	DNA
3-4-3	Extensión	945
3-4-4-1	Características Localización/Calificadores	source 1..945 mol_type = other DNA organism = Streptococcus equi
3-4-5	Residuos	
	gacgactacc agagaaacgc cgccgagggtg tacgccaag aggtgccaca tcagatcacc60	
	tccgtgtgga ccaagggcgt gacacctctg acacccgagc agttccggta caacaacgag120	
	gatgtgatcc acgctcctta cctggctcac caaggatggt acgacatcac caaggtgttc180	
	gacggcaagg acaacctgct gtgtggcgct gctaccgccg gcaatatgct gcactggtgg240	
	ttcgaccaga acaaagagga aatcgaggcc tacctgagca agcacccca gaagcagaag300	
	atcatcttca acaatcaaga gctgttcgac ctgaaggccg ccatcgacac caaggactcc360	
	cagaccaaca gccagctgtt caactacttc cgcgacaagg ccttctctgg cctgtccgct420	
	agacagctgg gagtgatgcc tgacctggtg ctggacatgt tcatcaacgg ctactacctg480	
	aacgtgttca agaccgctc caccgacgtg aaccggcctt accaggacaa ggataagaga540	
	ggcggcatct tcgacgccgt gttcaccaga ggcgatcaga ccactgct gaccgccaga600	
	cacgatctga agaacaaggg cctgaacgac atctccacca tcatcaagca agagctgacc660	

gagggcagag ccctggctct gtctcacacc tatgccaacg tgcggatctc ccacgtgatc720
aacctgtggg gcgctgactt taacgccgag ggcaatctgg aagccatcta cgtgaccgac780
tctgacgccg atgcctccat cggcatgaag aaatactcg tgggcatcaa cgcccacggc840
catgtggcca tctctgcaa gaagatcgag ggcgagaata tcggcgctca ggtgctgggc900
ctgttcaccc tgagttccgg caaggatatc tggcagaagc tgtcc945

3-5 Secuencias

3-5-1	Identificador de la secuencia	5
3-5-2	Tipo de molécula	AA
3-5-3	Extensión	315
3-5-4-1	Características Localización/Calificadores	source 1..315 mol_type = protein organism = Streptococcus equi
3-5-5	Residuos	
	DDYQRNAAEV YAKEVPHQIT SVWTKGVTP L TPEQFRYNNE DVIHAPYLAH QGWYDITKVF60	
	DGKDNLLCGA ATAGNMLHWW FDQNKEEIEA YLSKHPEKQK IIFNNQELFD LKAAIDTKDS120	
	QTNSQLFN YF RDKA FPGLSA RQLGVM PDLV LDMFINGYYL NVFKTQSTDV NRPYQDKDKR180	
	GGIFDAVFTR GDQTTLLTAR HDLKNKGLND ISTI IKQELT EGRALALSHT YANVRISHVI240	
	NLWGADFNAE GNLEAIYVTD SDADASIGMK KYFVGINAHG HVAISAKKIE GENIGAQVLG300	
	LFTLSSGKDI WQKLS315	

3-6 Secuencias

3-6-1	Identificador de la secuencia	6
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3-6-2	Tipo de molécula	DNA
3-6-3	Extensión	945
3-6-4-1	Características Localización/Calificadores	source 1..945 mol_type = other DNA organism = Streptococcus equi
3-6-5	Residuos	
	gacgactacc agagaaacgc cgccgaggtg tacgccaaag aggtgccaca tcagatcacc60	
	tccgtgtgga ccaagggcgt gacacctctg acacccgagc agttccgga caacaacgag120	
	gatgtgatcc acgctccta cctggctcac caaggatggt acgacatcac caaggtgttc180	
	gacggcaagg acaacctgct gtgtggcgct gctaccgccg gcaatatgct gcactggtgg240	
	ttcgaccaga acaaaacgga aatcgaggcc tacctgagca agcaccgccga gaagcagaag300	
	atcatctta acaatcaaga gctgttcgac ctgaaggccg ccatcgacac caaggactcc360	
	cagaccaaca gccagctgtt caactacttc cgcgacaagg ctttctctgg cctgtccgct420	
	agacagctgg gagtgaatgc tgacctgtg ctggacatgt tcatcaacgg ctactacctg480	
	aacgtgttca agaccagtc caccgacgtg aaccggcctt accaggacaa ggataagaga540	
	ggcggcatct tcgacgccgt gttcaccaga ggcgatcaga ccacactgct gaccgccaga600	
	cacgatctga agaacaaggg cctgaacgac atctccacca tcatcaagca agagctgacc660	
	gagggcagag ccctggctct gtctcacacc tatgccaacg tgcggatctc ccacgtgatc720	
	aacctgtggg gcgctgact taacgccgag ggcaatctgg aagccatcta cgtgaccgac780	
	tctgacgccg atgcctccat cggcataag aaatacttcg tgggcatcaa cgcccacggc840	
	catgtggcca tctctgcaa gaagatcgag ggcgagaata tcggcgctca ggtgctgggc900	
	ctgttcacc tgagttccgg caaggatc tggcagaagc tgttc945	

3-7	Secuencias	
3-7-1	Identificador de la secuencia	7
3-7-2	Tipo de molécula	AA
3-7-3	Extensión	315
3-7-4-1	Características Localización/Calificadores	source 1..315 mol_type = protein organism = Streptococcus equi
3-7-5	Residuos	
	DDYQRNAAEV YAKEVPHQIT SVWTKGVTPPL TPEQFRYNNE DVIHAPYLAH QGWYDITKVF60	
	DGKDNLLCGA ATAGNMLHWW FDQNKTEIEA YLSKHPEKQK IIFNNQELFD LKAAIDTKDS120	
	QTNSQLFNYP RDKAFPGLSA RQLGVMPDLV LDMFINGYYL NVFKTQSTDV NRPYQDKDKR180	
	GGIFDAVFTR GDQTTLLTAR HDLKNKGLND ISTIIKQELT EGRALALSHT YANVRISHVI240	
	NLWGADFNAE GNLEAIYVTD SDADASIGMK KYFVGINAHG HVAISAKKIE GENIGAQVLG300	
	LFTLSSGKDI WQKLS315	
3-8	Secuencias	
3-8-1	Identificador de la secuencia	8
3-8-2	Tipo de molécula	DNA
3-8-3	Extensión	945
3-8-4-1	Características Localización/Calificadores	source 1..945 mol_type = other DNA organism = Streptococcus equi
3-8-5	Residuos	

gacgactacc agagaaacgc cgccgaggtg tacgccaaag aggtgccaca tcagatcacc60
tccgtgtgga ccaagggcgt gacacctctg acacccgagc agttccggtg caacaacgag120
gatgtgatcc acgctcctta cctggctcac caaggatggt acgacatcac caaggtgttc180
gacgggaagg acaacctgct gtgtggcgct gctaccgccg gcaatatgct gcactggtgg240
ttcgaccaga acaaagagga aatcgaggcc tacctgagca agcaccgccg gaagcagaag300
atcatcttca acaatcaaga gctgttcgac ctgaaggccg ccatcgacac caaggactcc360
cagaccaaca gccagctgtt caactacttc cgcgacaagg ccttcctaa cctgtccgct420
agacagctgg gagtgatgcc tgacctggtg ctggacatgt tcatcaacgg ctactacctg480
aacgtgttca agaccagtc caccgacgtg aaccggcctt accaggacaa ggataagaga540
ggcggcatct tcgacgccgt gttcaccaga ggcatcaga ccactgct gaccgccaga600
cacgatctga agaacaaggg cctgaacgac atctcacca tcatcaagca agagctgacc660
gagggcagag ccttggtctt gtctcacacc tatgccaacg tgcggatctc ccactgac720
aacctgtggg gcgctgactt taacgccgag ggcaatctgg aagccatcta cgtgaccgac780
tctgacgccg atgcctccat cggcataag aaatacttcg tgggcatcaa cgccacggc840
catgtggcca tcttgccaa gaagatcgag ggcgagaata tcggcgctca ggtgtgggc900
ctgttcccc tgagttccgg caaggatatc tggcagaagc tgtcc945

3-9	Secuencias	
3-9-1	Identificador de la secuencia	9
3-9-2	Tipo de molécula	AA
3-9-3	Extensión	315
3-9-4-1	Características Localización/Calificadores	source 1..315 mol_type = protein

		organism = Streptococcus equi
3-9-5	Residuos	
DDYQRNAAEV YAKEVPHQIT SVWTKGVTP L TPEQFRYNNE DVIHAPYLAH QGWYDITKVF60		
DGKDNLLCGA ATAGNMLHWW FDQNKEEIEA YLSKHPEKQK IIFNNQELFD LKAAIDTKDS120		
QTNSQLFNYF RDKAFP NLSA RQLGVMPDLV LDMFINGYYL NVFKTQSTDV NRPYQDKDKR180		
GGIFDAVFTR GDQTTLLTAR HDLKNKGLND ISTIIKQELT EGRALALSHT YANVRISHVI240		
NLWGADFNAE GNLEAIYVTD SDADASIGMK KYFVGINAHG HVAISAKKIE GENIGAQVLG300		
LFTLSSGKDI WQKLS315		
3-10	Secuencias	
3-10-1	Identificador de la secuencia	10
3-10-2	Tipo de molécula	DNA
3-10-3	Extensión	945
3-10-4-1	Características Localización/Calificadores	source 1..945
		mol_type = other DNA
		organism = Streptococcus equi
3-10-5	Residuos	
gacgactacc agagaaacgc cgccgaggtg tacgccaaag aggtgccaca tcagatcacc60		
tccgtgtgga ccaagggcggt gacacctctg acacccgagc agttccggta caacaacgag120		
gatgtgatcc acgtcctta cctggctcac caaggatggt acgacatcac caaggtgttc180		
gacggcaagg acaacctgct gtgtggcgct gctaccgccg gcaatatgct gcactggtgg240		
ttcgaccaga acaaagagga aatcgaggcc tacctgagca agcacccccga gaagcagaag300		
atcatcttca acaatcaaga gctgttcgac ctgaaggccg ccatcgacac caaggactcc360		

cagaccaaca gccagctgtt caactacttc cgcgacaagg cctttcctgg cctgtccgct420
agacagctgg gagtgatgcc tgacctggtg ctggacatgt tcatcaacgg ctactacctg480
aacgtgttca agaccgagtc caccgacgtg aaccggcctt accaggacaa ggataagaga540
ggcggcatct tcgacgccgt gttcaccaga ggcgatcaga ccacactgct gaccgccaga600
cacgatctga agaacaaggg cctgaacgac atctccacca tcatcaagca agagctgacc660
gagggcagag ccttggctct gtctcacacc tatgccaacg tgctgatctc ccacgtgatc720
aacctgtggg gcgctgactt taacgccgag ggcaatctgg aagccatcta cgtgaccgac780
tctgacgccg atgcctccat cggcatgaag aaatactcg tgggcatcaa cgccacggc840
catgtggcca tctctgcaa gaagatcgag ggcgagaata tcggcgctca ggtgctgggc900
ctgttcaccc tgagttccgg caaggatatc tggcagaagc tgtcc945

3-11	Secuencias	
3-11-1	Identificador de la secuencia	11
3-11-2	Tipo de molécula	AA
3-11-3	Extensión	315
3-11-4-1	Características Localización/Calificadores	source 1..315 mol_type = protein organism = Streptococcus equi
3-11-5	Residuos	
	DDYQRNAAEV YAKEVPHQIT SVWTKGVTP L TPEQFRYNNE DVIHAPYLAH QGWYDITKVF60	
	DGKDNLLCGA ATAGNMLHWW FDQNKEEIEA YLSKHPEKQK IIFNNQELFD LKAAIDTKDS120	
	QTNSQLFNYF RDKAFPGLSA RQLGVMPDLV LDMFINGYYL NVFKTQSTDV NRPYQDKDKR180	
	GGIFDAVFTR GDQTTLLTAR HDLKNKGLND ISTIIKQELT EGRALALSHT YANVSISHVI240	

NLWGADFNAE GNLEAIYVTD SDADASIGMK KYFVGINAHG HVAISAKKIE GENIGAQVLG300
LFTLSSGKDI WQKLS315

3-12	Secuencias	
3-12-1	Identificador de la secuencia	12
3-12-2	Tipo de molécula	DNA
3-12-3	Extensión	945
3-12-4-1	Características Localización/Calificadores	source 1..945 mol_type = other DNA organism = Streptococcus equi
3-12-5	Residuos	
	gacgactacc agagaaacgc cgccgaggtg tacgccaaag aggtgccaca tcagatcacc60	
	tccgtgtgga ccaagggcgt gacacctctg acacccgagc agttccggta caacaacgag120	
	gatgtgatcc acgctcctta cctggctcac caaggatggt acgacatcac caaggtgttc180	
	gacggcaagg acaacctgct gtgtggcgct gctaccgccg gcaatatgct gactggtgg240	
	ttcgaccaga acaaagagga aatcgaggcc tacctgagca agcacccca gaagcagaag300	
	atcatcttca acaatcaaga gctgttcgac ctgaaggccg ccatcgacac caaggactcc360	
	cagaccaaca gccagctgtt caactacttc cgcgacaagg cctttcctgg cctgtccgct420	
	agacagctgg gagtgatgcc tgacctgggt ctggacatgt tcatcaacgg ctactacctg480	
	aacgtgttca agaccagtc caccgacgtg aaccggcctt accaggacaa ggataagaga540	
	ggcggcatct tcgacgccgt gttcaccaga ggcgatcaga ccacactgct gaccgccaga600	
	cacgatctga agaacaaggg cctgaacgac atctccacca tcatcaagca agagctgacc660	
	gagggcagag ccctggctct gtctcacacc tatgccaacg tgcggatctc ccacgtgatc720	

aacctgtggg gcgctgactt taacgccgag ggcaatctgg aagccatcta cgtgaccgac780
tctgacgcca atgcctccat cggcatgaag aaatacttcg tgggcatcaa cgcccacggc840
catgtggcca tctctgcaa gaagatcgag ggcgagaata tcggcgctca ggtgctgggc900
ctgttcaccc tgagttccgg caaggatatc tggcagaagc tgtcc945

3-13	Secuencias	
3-13-1	Identificador de la secuencia	13
3-13-2	Tipo de molécula	AA
3-13-3	Extensión	315
3-13-4-1	Características Localización/Calificadores	source 1..315 mol_type = protein organism = Streptococcus equi
3-13-5	Residuos	
	DDYQRNAAEV YAKEVPHQIT SVWTKGVTP L TPEQFRYNNE DVIHAPYLAH QGWYDITKVF60	
	DGKDNLLCGA ATAGNMLHWW FDQNKEEIEA YLSKHPEKQK IIFNNQELFD LKAAIDTKDS120	
	QTNSQLFNYF RDKAFPGLSA RQLGVMPDLV LDMFINGYYL NVFKTQSTDV NRPYQDKDKR180	
	GGIFDAVFTR GDQTTLLTAR HDLKNKGLND ISTIIKQELT EGRALALSHT YANVRISHVI240	
	NLWGADFNAE GNLEAIYVTD SDANASIGMK KYFVGINAHG HVAISAKKIE GENIGAQVLG300	
	LFTLSSGKDI WQKLS315	

3-14	Secuencias	
3-14-1	Identificador de la secuencia	14
3-14-2	Tipo de molécula	AA

3-14-3	Extensión	541
3-14-4-1	Características Localización/Calificadores	source 1..541 mol_type = protein organism = synthetic construct

3-14-5 Residuos

DDYQRNAAEV YAKEVPHQIT SVWTKGVTPPL TPEQFRYNNE DVIHAPYLAH QGWYDITKVF60

DGKDNLLCGA ATAGNMLHWW FDQNKEEIEA YLSKHPEKQK IIFNNQELFD LKAAIDTKDS120

QTNSQLFNYP RDKAEPGLSA RQLGVMPDLV LDMFINGYYL NVFKTQSTDV NRPYQDKDKR180

GGIFDAVFTR GDQTTLLTAR HDLKNKGLND ISTIIKQELT EGRALALSHT YANVRISHVI240

NLWGADFNAE GNLEAIYVTD SDADASIGMK KYFVGINAHG HVAISAKKIE GENIGAQVLG300

LFTLSSGKDI WQKLSDKTHT CPPCPAPNAE GGPSVFLFPP KPKDTLMASR TPEVTCVVVD360

VSHEDPEVKF NWYVDGVEVH NAKTKPREQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK420

ALPAPIEKTI SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ480

PENNYKTPPP VLDSGGSFFL YSKLTVDKSR WQQGNVFSCS VMHEALHNHY TQKSLSLSPG540

K541

3-15	Secuencias	
3-15-1	Identificador de la secuencia	15
3-15-2	Tipo de molécula	AA
3-15-3	Extensión	541
3-15-4-1	Características Localización/Calificadores	source 1..541 mol_type = protein organism = synthetic construct

3-15-5 Residuos

DDYQRNAAEV YAKEVPHQIT SVWTKGVTPPL TPEQFRYNNE DVIHAPYLAH QGWYDITKVF60

DGKDNLLCGA ATAGNMLHWW FDQNKEEIEA YLSKHPEKQK IIFNNQELFD LKAAIDTKDS120

QTNSQLFNYF RDKAFPGLSA RQLGVMPDLV LDMFINGYYL NVFKTQSTDV NRPYQDKDKR180

GGIFDAVFTR GDQTTLLTAR HDLKNKGLND ISTIIKQELT EGRALALSHT YANVRISHVI240

NLWGADFNAE GNLEAIYVTD SDADASIGMK KYFVGINAHG HVAISAKKIE GENIGAQVLG300

LFTLSSGKDI WQKLSDKTHT CHKCPAPNAE GGPSVFLFPP KPKDTLMASR TPEVTCVVVD360

VSHEDPEVKF NWYVDGVEVH NAKTKPREQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK420

ALPAPIEKTI SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ480

PENNYKTPPP VLDSGGSFFL YSKLTVDKSR WQQGNVFSCS VMHEALHNHY TQKSLSLSPG540

K541

3-16	Secuencias	
3-16-1	Identificador de la secuencia	16
3-16-2	Tipo de molécula	AA
3-16-3	Extensión	541
3-16-4-1	Características Localización/Calificadores	source 1..541 mol_type = protein organism = synthetic construct
3-16-5	Residuos	
	DDYQRNAAEV YAKEVPHQIT SVWTKGVTPPL TPEQFRYNNE DVIHAPYLAH QGWYDITKVF60	
	DGKDNLLCGA ATAGNMLHWW FDQNKEEIEA YLSKHPEKQK IIFNNQELFD LKAAIDTKDS120	
	QTNSQLFNYF RDKAFPGLSA RQLGVMPDLV LDMFINGYYL NVFKTQSTDV NRPYQDKDKR180	

GGIFDAVFTR GDQTTLLTAR HDLKNKGLND ISTIIKQELT EGRALALSHT YANVRISHVI240
NLWGADFNAE GNLEAIYVTD SDADASIGMK KYFVGINAHG HVAISAKKIE GENIGAQVLG300
LFTLSSGKDI WQKLSDKTHT CPPCPAPEAE EVPSVFLFPP KPKDTLMASR TPEVTCVVVD360
VSHEDPEVKF NWYVDGVEVH NAKTKPREQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK420
ALPAPIEKTI SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ480
PENNYKTPP VLDSDGSFFL YSKLTVDKSR WQQGNVFSCS VMHEALHNHY TQKSLSLSPG540
K541

3-17	Secuencias	
3-17-1	Identificador de la secuencia	17
3-17-2	Tipo de molécula	AA
3-17-3	Extensión	541
3-17-4-1	Características Localización/Calificadores	source 1..541 mol_type = protein organism = synthetic construct
3-17-5	Residuos	
	DDYQRNAAEV YAKEVPHQIT SVWTKGVTPPL TPEQFRYNNE DVIHAPYLAH QGWYDITKVF60	
	DGKDNLLCGA ATAGNMLHWW FDQNKEEIEA YLSKHPEKQK IIFNNQELFD LKAAIDTKDS120	
	QTNSQLFNYP RDKAFPLSA RQLGVMPDLV LDMFINGYYL NVFKTQSTDV NRPYQDKDKR180	
	GGIFDAVFTR GDQTTLLTAR HDLKNKGLND ISTIIKQELT EGRALALSHT YANVRISHVI240	
	NLWGADFNAE GNLEAIYVTD SDADASIGMK KYFVGINAHG HVAISAKKIE GENIGAQVLG300	
	LFTLSSGKDI WQKLSDKTHT CHKCPAPNAE EVSSVFLFPP KPKDTLMASR TPEVTCVVVD360	
	VSHEDPEVKF NWYVDGVEVH NAKTKPREQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK420	

ALPAPIEKTI SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ480
PENNYKTPP VLDSDGSFFL YSKLTVDKSR WQQGNVFSCS VMHEALHNHY TQKSLSLSPG540
K541

3-18	Secuencias	
3-18-1	Identificador de la secuencia	18
3-18-2	Tipo de molécula	AA
3-18-3	Extensión	541
3-18-4-1	Características Localización/Calificadores	source 1..541 mol_type = protein organism = synthetic construct
3-18-5	Residuos	
	DDYQRNAAEV YAKEVPHQIT SVWTKGVTPPL TPEQFRYNNE DVIHAPYLAH QGWYDITKVF60	
	DGKDNLLCGA ATAGNMLHWW FDQNKEEIEA YLSKHPEKQK IIFNNQELFD LKAAIDTKDS120	
	QTNSQLFNYF RDKAFPGLSA RQLGVMPDLV LDMFINGYYL NVFKTQSTDV NRPYQDKDKR180	
	GGIFDAVFTR GDQTTLLTAR HDLKNKGLND ISTIIKQELT EGRALALSHT YANVRISHVI240	
	NLWGADFNAE GNLEAIYVTD SDADASIGMK KYFVGINAHG HVAISAKKIE GENIGAQVLG300	
	LFTLSSGKDI WQKLSDKTHT CPPCPAPEAE GGPSVFLFPP KPKDTLMASR TPEVTCVVVD360	
	VSHEDPEVKF NWYVDGVEVH NAKTKPREQA NSTYRVSVL TVLHQDWLNG KEYKCKVSNK420	
	ALPAPIEKTI SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ480	
	PENNYKTPP VLDSDGSFFL YSKLTVDKSR WQQGNVFSCS VMHEALHNHY TQKSLSLSPG540	
	K541	

3-19	Secuencias	
3-19-1	Identificador de la secuencia	19
3-19-2	Tipo de molécula	AA
3-19-3	Extensión	541
3-19-4-1	Características Localización/Calificadores	source 1..541 mol_type = protein organism = synthetic construct
3-19-5	Residuos	
	DDYQRNAAEV YAKEVPHQIT SVWTKGVTP L TPEQFRYNNE DVIHAPYLAH QGWYDITKVF60	
	DGKDNLLCGA ATAGNMLHWW FDQNKEEIEA YLSKHPEKQK IIFNNQELFD LKAAIDTKDS120	
	QTNSQLFNYF RDKAFPGLSA RQLGVMPDLV LDMFINGYYL NVFKTQSTDV NRPYQDKDKR180	
	GGIFDAVFTR GDQTTLLTAR HDLKNKGLND ISTIHKQELT EGRALALSHT YANVRISHVI240	
	NLWGADFNAE GNLEAIYVTD SDADASIGMK KYFVGINAHG HVAISAKKIE GENIGAQVLG300	
	LFTLSSGKDI WQKLSDKTHT CPPCPAPEAE GGPSVFLFPP KPKDTLMASR TPEVTCVVVD360	
	VSHEDPEVKF NWYVDGVEVH NAKTKPREQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK420	
	ALPAPIEKTI SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ480	
	PENNYKTPPP VLDSDGSFFL YSKLTVDKSR WQQGNVFSCS VMHEALHNHY TQKSLSLSPG540	
	K541	
3-20	Secuencias	
3-20-1	Identificador de la secuencia	20
3-20-2	Tipo de molécula	AA
3-20-3	Extensión	541

3-20-4-1	Características Localización/Calificadores	source 1..541 mol_type = protein organism = synthetic construct
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3-20-5	Residuos
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DDYQRNAAEV YAKEVPHQIT SVWTKGVTPPL TPEQFRYNNE DVIHAPYLAH QGWYDITKVF60
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QTNSQLFNYP RDKAFPLSA RQLGVMPDLV LDMFINGYYL NVFKTQSTDV NRPYQDKDKR180
GGIFDAVFTR GDQTTLLTAR HDLKNKGLND ISTIHKQELT EGRALALSHT YANVRISHVI240
NLWGADFNAE GNLEAIYVTD SDADASIGMK KYFVGINAHG HVAISAKKIE GENIGAQVLG300
LFTLSSGKDI WQKLSDKTHT CPPCPAPNAA GGPSVFLFPP KPKDTLMASR TPEVTCVVVD360
VSHEDPEVKF NWYVDGVEVH NAKTKPREQA NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK420
ALPAPIEKTI SKAKQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ480
PENNYKTPPP VLDSDGSFFL YSKLTVDKSR WQQGNVFSCS VMHEALHNHY TQKSLSLSPG540
K541

3-21	Secuencias
-------------	-------------------

3-21-1	Identificador de la secuencia	21
3-21-2	Tipo de molécula	AA
3-21-3	Extensión	541
3-21-4-1	Características Localización/Calificadores	source 1..541 mol_type = protein organism = synthetic construct
3-21-5	Residuos	

DDYQRNAAEV YAKEVPHQIT SVWTKGVTP L TPEQFRYNNE DVIHAPYLAH QGWYDITKVF60
DGKDNLLCGA ATAGNMLHWW FDQNKEEIEA YLSKHPEKQK IIFNNQELFD LKAAIDTKDS120
QTNSQLFN YF RDKAFPGLSA RQLGVMPDLV LDMFINGYYL NVFKTQSTDV NRPYQDKDKR180
GGIFDAVFTR GDQTTLLTAR HDLKNKGLND ISTIIKQELT EGRALALSHT YANVRISHVI240
NLWGADFNAE GNLEAIYVTD SDADASIGMK KYFVGINAHG HVAISAKKIE GENIGAQVLG300
LFTLSSGKDI WQKLSDKTH T CPPCPAPEAE EVPSVFLFPP KPKDTLMASR TPEVTCVVVD360
VSHEDPEVKF NWYVDGVEVH NAKTKPREQA NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK420
ALPAPIEKTI SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ480
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K541

3-22	Secuencias	
3-22-1	Identificador de la secuencia	22
3-22-2	Tipo de molécula	AA
3-22-3	Extensión	541
3-22-4-1	Características Localización/Calificadores	source 1..541 mol_type = protein organism = synthetic construct
3-22-5	Residuos	DDYQRNAAEV YAKEVPHQIT SVWTKGVTP L TPEQFRYNNE DVIHAPYLAH QGWYDITKVF60 DGKDNLLCGA ATAGNMLHWW FDQNKEEIEA YLSKHPEKQK IIFNNQELFD LKAAIDTKDS120 QTNSQLFN YF RDKAFPGLSA RQLGVMPDLV LDMFINGYYL NVFKTQSTDV NRPYQDKDKR180 GGIFDAVFTR GDQTTLLTAR HDLKNKGLND ISTIIKQELT EGRALALSHT YANVRISHVI240

NLWGADFNAE GNLEAIYVTD SDADASIGMK KYFVGINAHG HVAISAKKIE GENIGAQVLG300
LFTLSSGKDI WQKLSDKTHT CHKCPAPNAE EVSSVFLFPP KPKDTLMASR TPEVTCVVVD360
VSHEDPEVKF NWYVDGVEVH NAKTKPREQA NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK420
ALPAPIEKTI SKAKGQPREP QVYTLPPSRD ELTKNQVSLT CLVKGFYPSD IAVEWESNGQ480
PENNYKTPP VLDSDGSFFL YSKLTVDKSR WQQGNVFSCS VMHEALHNHY TQKSLSLSPG540
K541

3-23	Secuencias	
3-23-1	Identificador de la secuencia	23
3-23-2	Tipo de molécula	AA
3-23-3	Extensión	541
3-23-4-1	Características Localización/Calificadores	source 1..541 mol_type = protein organism = synthetic construct
3-23-5	Residuos	
	DDYQRNAAEV YAKEVPHQIT SVWTKGVTP L TPEQFRYNNE DVIHAPYLAH QGWYDITKVF60 DGKDNLLCGA ATAGNMLHWW FDQNKEEIEA YLSKHPEKQK IIFNNQELFD LKAAIDTKDS120 QTNSQLFN YF RDKAFPGLSA RQLGVMPDLV LDMFINGYYL NVFKTQSTDV NRPYQDKDKR180 GGIFDAVFTR GDQTTLLTAR HDLKNKGLND ISTIIKQELT EGRALALSHT YANVRISHVI240 NLWGADFNAE GNLEAIYVTD SDADASIGMK KYFVGINAHG HVAISAKKIE GENIGAQVLG300 LFTLSSGKDI WQKLSDKTHT CPPCPAPEAE EVPSVFLFPP KPKDTLMASR TPEVTCVVVD360 VSHEDPEVKF NWYVDGVEVH NAKTKPREQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK420 ALPAPIEKTI SKAKGQPREP QVYTLPPSRD ELTKNQVSL S CAVKGFYPSD IAVEWESNGQ480	

PENNYKTPP VLSDGSFFL VSKLTVDKSR WQQGNVFSCS VMHEALHNHY TQKSLSLSPG540

K541

3-24	Secuencias	
3-24-1	Identificador de la secuencia	24
3-24-2	Tipo de molécula	AA
3-24-3	Extensión	221
3-24-4-1	Características Localización/Calificadores	source 1..221 mol_type = protein organism = synthetic construct
3-24-5	Residuos	
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	NAKTKPREQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK ALPAPIEKTI SKAKGQPREP120	
	QVYTLPPSRD ELTKNQVSLW CLVKGFYPSD IAVEWESNGQ PENNYKTPP VLSDGSFFL180	
	YSKLTVDKSR WQQGNVFSCS VMHEALHNHY TQKSLSLSPG K221	

3-25	Secuencias	
3-25-1	Identificador de la secuencia	25
3-25-2	Tipo de molécula	DNA
3-25-3	Extensión	1623
3-25-4-1	Características Localización/Calificadores	source 1..1623 mol_type = other DNA organism = synthetic construct

3-25-5

Residuos

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aag1623

3-26	Secuencias	
3-26-1	Identificador de la secuencia	26
3-26-2	Tipo de molécula	DNA
3-26-3	Extensión	1623
3-26-4-1	Características Localización/Calificadores	source 1..1623 mol_type = other DNA organism = synthetic construct
3-26-5	Residuos	
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	gatgtgatcc acgctcctta cctggctcac caaggatggt acgacatcac caaggtgttc180	
	gacggcaagg acaacctgct gtgtggcgct gctaccgccg gcaatatgct gcactggtgg240	
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	cagaccaaca gccagctgtt caactacttc cgcgacaagg cctttcctgg cctgtccgct420	
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3-27-2	Tipo de molécula	DNA
3-27-3	Extensión	1623
3-27-4-1	Características Localización/Calificadores	source 1..1623 mol_type = other DNA organism = synthetic construct
3-27-5	Residuos	
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aag1623

3-28	Secuencias	
3-28-1	Identificador de la secuencia	28
3-28-2	Tipo de molécula	DNA
3-28-3	Extensión	1623
3-28-4-1	Características Localización/Calificadores	source 1..1623 mol_type = other DNA organism = synthetic construct
3-28-5	Residuos	
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aag1623

3-29	Secuencias	
3-29-1	Identificador de la secuencia	29
3-29-2	Tipo de molécula	DNA
3-29-3	Extensión	1623
3-29-4-1	Características Localización/Calificadores	source 1..1623 mol_type = other DNA organism = synthetic construct
3-29-5	Residuos	
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	gatgtgatcc acgctcctta cctggctcac caaggatggt acgacatcac caaggtgttc180	
	gacggcaagg acaacctgct gtgtggcgct gctaccgccg gcaatatgct gcactggtgg240	
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	atcatcttca acaatcaaga gctgttcgac ctgaaggccg ccatcgacac caaggactcc360	
	cagaccaaca gccagctgtt caactacttc cgcgacaagg ccttcctgg cctgtccgct420	
	agacagctgg gagtgatgcc tgacctgggt ctggacatgt tcatcaacgg ctactacctg480	
	aacgtgttca agaccagtc caccgacgtg aaccggcctt accaggacaa ggataagaga540	
	ggcggcatct tcgacgccgt gttcaccaga ggcgatcaga ccacactgct gaccgccaga600	
	cacgatctga agaacaaggg cctgaacgac atctccacca tcatcaagca agagctgacc660	
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aag1623

3-30	Secuencias	
3-30-1	Identificador de la secuencia	30
3-30-2	Tipo de molécula	DNA
3-30-3	Extensión	1623
3-30-4-1	Características Localización/Calificadores	source 1..1623 mol_type = other DNA

organism = synthetic construct

3-30-5

Residuos

gacgactacc agagaaatgc cgccgagggtg tacgccaaag aggtgccaca tcagatcacc60
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aag1623

3-31	Secuencias	
3-31-1	Identificador de la secuencia	31
3-31-2	Tipo de molécula	DNA
3-31-3	Extensión	1623
3-31-4-1	Características Localización/Calificadores	source 1..1623 mol_type = other DNA organism = synthetic construct
3-31-5	Residuos	
	gacgactacc agagaaatgc cgccgagggtg tacgcaaag aggtgccaca tcagatcacc60	
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aag1623

3-32-1	Identificador de la secuencia	32
3-32-2	Tipo de molécula	DNA
3-32-3	Extensión	1623
3-32-4-1	Características Localización/Calificadores	source 1..1623 mol_type = other DNA organism = synthetic construct
3-32-5	Residuos	
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aag1623

3-33	Secuencias	
3-33-1	Identificador de la secuencia	33
3-33-2	Tipo de molécula	DNA
3-33-3	Extensión	1623
3-33-4-1	Características Localización/Calificadores	source 1..1623 mol_type = other DNA organism = synthetic construct
3-33-5	Residuos	
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aag1623

3-34	Secuencias	
3-34-1	Identificador de la secuencia	34
3-34-2	Tipo de molécula	DNA
3-34-3	Extensión	1623
3-34-4-1	Características Localización/Calificadores	source 1..1623 mol_type = other DNA organism = synthetic construct
3-34-5	Residuos	
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aag1623

3-35	Secuencias	
3-35-1	Identificador de la secuencia	35
3-35-2	Tipo de molécula	DNA
3-35-3	Extensión	663
3-35-4-1	Características Localización/Calificadores	source 1..663

mol_type = other DNA

organism = synthetic construct

3-35-5

Residuos

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aag663
