






 OX20-8	#1	ATG GAT TAT GAA ATC GCT GAG AGC ACT GAC AAG
		M D Y E I A E S T D K
 4213-1 (OX)	#1	ATG GAT TAT GAA ATC GCT GAG AGC ACT GAC AAG
		M D Y E I A E S T D K
 PI105B	#1	ATG GAT TCT GAA ATC GTT GAG AGC ACT GAC ATG
		M D S E I V E S T D M
 4213-32 (105...	#1	ATG GAT TCT GAA ATC GTT GAG AGC ACT GAC ATG
		M D S E I V E S T D M
 WMS-82	#1	ATG GAT TAT GAA ATC GCT GAG AGC ACT GAC AAG
		M D Y E I A E S T D K

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#1	ATG GAT TAT GAA ATC GCT GAG AGC ACT GAC AAG
	M D Y E I A E S T D K
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4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"

 OX20-8	#34	GCC GAT ATC ACT GTT GAT GCA AGG AGT TTT AGT
		A D I T V D A R S F S
 4213-1 (OX)	#34	GCC GAT ATC ACT GTT GAT GCA AGG AGT TTT AGT
		A D I T V D A R S F S
 PI105B	#34	GCC GAT ATC ACT GTT GAT GCA AAG AGT TTT AGT
		A D I T V D A K S F S
 4213-32 (10...	#34	GCC GAT ATC ACT GTT GAT GCA AAG AGT TTT AGT
		A D I T V D A K S F S
 WMS-82	#34	GCC GAT ATC ACT GTT GAT GCA AGG AGT TTT AGT
		A D I T V D A R S F S

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	#34	GCC GAT ATC ACT GTT GAT GCA AGG AGT TTT AGT
		A D I T V D A R S F S

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4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"

 OX20-8	#67	TGG GCA GTG GAC AGT GCG ATA AAG AGT GAG ACT
		W A V D S A I K S E T
 4213-1 (OX)	#67	TGG GCA GTG GAC AGT GCG ATA AAG AGT GAG ACT
		W A V D S A I K S E T
 PI105B	#67	TGG GCA GTG GAC AGT GCG ATA AAG AGT GAG ACT
		W A V D S A I K S E T
 4213-32 (10...	#67	TGG GCA GTG GAC AGT GCG ATA AAG AGT GAG ACT
		W A V D S A I K S E T
 WMS-82	#67	TGG GCA GTG GAC AGT GCG ATA AAG AGT GAG ACT
		W A V D S A I K S E T

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	#67	TGG GCA GTG GAC AGT GCG ATA AAG AGT GAG ACT
		W A V D S A I K S E T

4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"






OX20-8	#100	GCG TCA ATT TTG GGA GAA TCC CGA ATC CAT AGT
		A S I L G E S R I H S
4213-1 (OX)	#100	GCG TCA ATT TTG GGA GAA TCC CGA ATC CAT AGT
		A S I L G E S R I H S
PI105B	#100	GCG TCA ATT TCG GGA GAA TCC CGA ATC CAT AGT
		A S I S G E S R I H S
4213-32 (1...	#100	GCG TCA ATT TCG GGA GAA TCC CGA ATC CAT AGT
		A S I S G E S R I H S
WMS-82	#100	GCG TCA ATT TTG GGA GAA TCC CGA ATC CAT AGT
		A S I L G E S R I H S

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	#100	GCG TCA ATT TTG GGA GAA TCC CGA ATC CAT AGT
		A S I L G E S R I H S

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4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"

 OX20-8	#133	TTT TGT TCC GTA GTG GAC AAT GCC ATA AGG AGT
		F C S V V D N A I R S
 4213-1 (OX)	#133	TTT TGT TCC GTA GTG GAC AAT GCC ATA AGG AGT
		F C S V V D N A I R S
 PI105B	#133	TTT TGT TCC GTA GTG GAC AAT GCC ATA AGG AGT
		F C S V V D N A I R S
 4213-32 (1...	#133	TTT TGT TCC GTA GTG GAC AAT GCC ATA AGG AGT
		F C S V V D N A I R S
 WMS-82	#133	TTT TGT TCC GTA GTG GAC AAT GCC ATA AGG AGT
		F C S V V D N A I R S

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	#133	TTT TGT TCC GTA GTG GAC AAT GCC ATA AGG AGT
		F C S V V D N A I R S

4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"

OX20-8	#166	AGG ACT GCA TCA GAT TTG GGA ACA TCT CCT TCC
		R T A S D L G T S P S
4213-1 (OX)	#166	AGG ACT GCA TCA GAT TTG GGA ACA TCT CCT TCC
		R T A S D L G T S P S
PI105B	#166	AGG ACT GCA TCA GAT TTG GGA ACA TCT CCT TCT
		R T A S D L G T S P S
4213-32 (1...	#166	AGG ACT GCA TCA GAT TTG GGA ACA TCT CCT TCT
		R T A S D L G T S P S
WMS-82	#166	AGG ACT GCA TCA GAT TTG GGA ACA TCT CCT TCC
		R T A S D L G T S P S

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	#166	AGG ACT GCA TCA GAT TTG GGA ACA TCT CCT TCC
		R T A S D L G T S P S

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4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"

 OX20-8	#199	CCT GTC CAT AGT CTT GCT TCG GCA GTG GCC AAT
		P V H S L A S A V A N
 4213-1 (OX)	#199	CCT GTC CAT AGT CTT GCT TCG GCA GTG GCC AAT
		P V H S L A S A V A N
 PI105B	#199	CCT GTC CAT AGT CTT GCT TCG GCA GTG GCC AAT
		P V H S L A S A V A N
 4213-32 (1...	#199	CCT GTC CAT AGT CTT GCT TCG GCA GTG GCC AAT
		P V H S L A S A V A N
 WMS-82	#199	CCT GTC CAT AGT CTT GCT TCG GCA GTG GCC AAT
		P V H S L A S A V A N

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	#199	CCT GTC CAT AGT CTT GCT TCG GCA GTG GCC AAT
		P V H S L A S A V A N

4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"






 OX20-8	#232	GCA ATG AGC AGC AGT AGT GCT GCA CCA TTT TCA
		A M S S S S A A P F S
 4213-1 (OX)	#232	GCA ATG AGC AGC AGT AGT GCT GCA CCA TTT TCA
		A M S S S S A A P F S
 PI105B	#232	GCA ATG AGC AGC AGT AGT ::: ::: ::: :::
		A M S S S S
 4213-32 (1...	#232	GCA ATG AGC AGC AGT AGT ::: ::: ::: :::
		A M S S S S
 WMS-82	#232	GCA ATG AGC AGC AGT AGT GCT GCA CCA TTT TCA
		A M S S S S A A P F S
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	#232	GCA ATG AGC AGC AGT AGT GCT GCA CCA TTT TCA
		A M S S S S A A P F S



4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"






OX20-8	#265	CAA CTG GAA ACG TCT CCT TCT CCT GTC CAG AGT
		Q L E T S P S P V Q S
4213-1 (OX)	#265	CAA CTG GAA ACG TCT CCT TCT CCT GTC CAG AGT
		Q L E T S P S P V Q S
PI105B	#265	::: ::: ::: ::: ::: ::: ::: ::: ::: ::: ::: :::
4213-32 (1...	#265	::: ::: ::: ::: ::: ::: ::: ::: ::: ::: :::
WMS-82	#265	CAA CTG GAA ACG TCT CCT TCT CCT GTC CAG AGT
		Q L E T S P S P V Q S
		-----
	#265	CAA CTG GAA ACG TCT CCT TCT CCT GTC CAG AGT
		Q L E T S P S P V Q S

4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"

 OX20-8	#298	CTT GCT TCG GCA GTG CCC AGT GCA ATG AGC AGG
		L A S A V P S A M S R
 4213-1 (OX)	#298	CTT GCT TCG GCA GTG CCC AGT GCA ATG AGC AGG
		L A S A V P S A M S R
 PI105B	#298	... ..
 4213-32 (1...	#298	... ..
 WMS-82	#298	CTT GCT TCG GCA GTG CCC AGT GCA ATG AGC AGG
		L A S A V P S A M S R
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	#298	CTT GCT TCG GCA GTG CCC AGT GCA ATG AGC AGG
		L A S A V P S A M S R

4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"

 OX20-8	#331	AGT AAA GCT GCA CCA TTT TCA CAA CTG GAA GTG
		S K A A P F S Q L E V
 4213-1 (OX)	#331	AGT AAA GCT GCA CCA TTT TCA CAA CTG GAA GTG
		S K A A P F S Q L E V
 PI105B	#331	...: ...: GCT GCA CCA TTT TCA CAA CTG GAA GTG
		A A P F S Q L E V
 4213-32 (1...	#331	...: ...: GCT GCA CCA TTT TCA CAA CTG GAA GTG
		A A P F S Q L E V
 WMS-82	#331	AGT AAA GCT GCA CCA TTT TCA CAA CTG GAA GTG
		S K A A P F S Q L E V
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	#331	AGT AAA GCT GCA CCA TTT TCA CAA CTG GAA GTG
		S K A A P F S Q L E V

 OX20-8	#364	GTG CCG AAC GCC ACT AGA CAT GTT CCT GCA CGA
		V P N A T R H V P A R
 4213-1 (OX)	#364	GTG CCG AAC GCC ACT AGA CAT GTT CCT GCA CGA
		V P N A T R H V P A R
 PI105B	#364	GTG CCC AAC GCC ACT GGA CTT GTT CCT GCA CGA
		V P N A T G L V P A R
 4213-32 (1...	#364	GTG CCC AAC GCC ACT GGA CTT GTT CCT GCA CGA
		V P N A T G L V P A R
 WMS-82	#364	GTG CCC AAC GCC ACT AGA CAT GTT CCT GCA CGA
		V P N A T R H V P A R






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	#364	GTG CCC AAC GCC ACT AGA CAT GTT CCT GCA CGA
		V P N A T R H V P A R
		• • •




4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"

 OX20-8	#397	TTA TTC ACC TGG GCT GAG CTT AAA GCA GCC ACC
		L F T W A E L K A A T
 4213-1 (OX)	#397	TTA TTC ACC TGG GCT GAG CTT AAA GCA GCC ACC
		L F T W A E L K A A T
 PI105B	#397	TTA TTC ACC TGG TCT GAG CTT AAA GAA GCC ACC
		L F T W S E L K E A T
 4213-32 (1...	#397	TTA TTC ACC TGG TCT GAG CTT AAA GAA GCC ACC
		L F T W S E L K E A T
 WMS-82	#397	TTA TTC ACC TGG GCT GAG CTT AAA GCA GCC ACC
		L F T W A E L K A A T
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	#397	TTA TTC ACC TGG GCT GAG CTT AAA GCA GCC ACC
		L F T W A E L K A A T
		• •

4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"

 OX20-8	#430	AAC AAT TTC TCA CCT CAC AAC CGG ATT CGT CAT
		N N F S P H N R I R H
 4213-1 (OX)	#430	AAC AAT TTC TCA CCT CAC AAC CGG ATT CGT CAT
		N N F S P H N R I R H
 PI105B	#430	TAC AAT TTC TCA CCT CAC AAC CGG ATT CGT CAT
		Y N F S P H N R I R H
 4213-32 (1...	#430	TAC AAT TTC TCA CCT CAC AAC CGG ATT CGT CAT
		Y N F S P H N R I R H
 WMS-82	#430	AAC AAT TTC TCA CCT CAC AAC CGG ATT CGT CAT
		N N F S P H N R I R H
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	#430	AAC AAT TTC TCA CCT CAC AAC CGG ATT CGT CAT
		N N F S P H N R I R H
		•

4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"

 OX20-8	#463	TTT GGA ACC TTT GGC TTT GGG TAC AGA GGC AAA
		F G T F G F G Y R G K
 4213-1 (OX)	#463	TTT GGA ACC TTT GGC TTT GGG TAC AGA GGC AAA
		F G T F G F G Y R G K
 PI105B	#463	TTT GGA AGC TTT TTC TTT GTG TAC AGA GGC AAA
		F G S F F F V Y R G K
 4213-32 (1...	#463	TTT GGA AGC TTT TTC TTT GTG TAC AGA GGC AAA
		F G S F F F V Y R G K
 WMS-82	#463	TTT GGA ACC TTT GGC TTT GGG TAC AGA GGC AAA
		F G T F G F G Y R G K
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	#463	TTT GGA ACC TTT GGC TTT GGG TAC AGA GGC AAA
		F G T F G F G Y R G K
		• • •

4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"


 OX20-8	#496	CTC GTT GAT GGT CGT GAG GTC GCA ATC GTT AAG
		L V D G R E V A I V K
 4213-1 (OX)	#496	CTC GTT GAT GGT CGT GAG GTC GCA ATC GTT AAG
		L V D G R E V A I V K
 PI105B	#496	CTC GTT GAT GGT CGT GAG GTC GCA ATC GTT AAG
		L V D G R E V A I V K
 4213-32 (1...	#496	CTC GTT GAT GGT CGT GAG GTC GCA ATC GTT AAG
		L V D G R E V A I V K
 WMS-82	#496	CTC GTT GAT GGT CGT GAG GTC GCA ATC GTT AAG
		L V D G R E V A I V K

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	#496	CTC GTT GAT GGT CGT GAG GTC GCA ATC GTT AAG
		L V D G R E V A I V K



4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"

 OX20-8	#529	GGA ACC CAG TTT GGT AAG TCT GAA TTT GCC ATC
		G T Q F G K S E F A I
 4213-1 (OX)	#529	GGA ACC CAG TTT GGT AAG TCT GAA TTT GCC ATC
		G T Q F G K S E F A I
 PI105B	#529	GAA ACC CCG TTT GGT AAG TCT GAA TTT GCC ATC
		E T P F G K S E F A I
 4213-32 (1...	#529	GAA ACC CCG TTT GGT AAG TCT GAA TTT GCC ATC
		E T P F G K S E F A I
 WMS-82	#529	GGA ACC CAG TTT GGT AAG TCT GAA TTT GCC ATC
		G T Q F G K S E F A I

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	#529	GGA ACC CAG TTT GGT AAG TCT GAA TTT GCC ATC
		G T Q F G K S E F A I
		• •

4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"

OX20-8	#562	TTT TCC CGT TTA GAC CAT AGG AAC TTG GTT GGG
		F S R L D H R N L V G
4213-1 (OX)	#562	TTT TCC CGT TTA GAC CAT AGG AAC TTG GTT GGG
		F S R L D H R N L V G
PI105B	#562	TTT TCC CGT TTA GAC CAT AGG AAC TTG GTT GGG
		F S R L D H R N L V G
4213-32 (1...	#562	TTT TCC CGT TTA GAC CAT AGG AAC TTG GTT GGG
		F S R L D H R N L V G
WMS-82	#562	TTT TCC CGT TTA GAC CAT AGG AAC TTG GTT GGG
		F S R L D H R N L V G

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	#562	TTT TCC CGT TTA GAC CAT AGG AAC TTG GTT GGG
		F S R L D H R N L V G

4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"

OX20-8	#595	CTT GTT GGG TAC TGT GAA AAC AGA GAT GAA AGG
		L V G Y C E N R D E R
4213-1 (OX)	#595	CTT GTT GGG TAC TGT GAA AAC AGA GAT GAA AGG
		L V G Y C E N R D E R
PI105B	#595	CTT GTT GGG CAC TGT GAA AAC AGA GAT GAA AGG
		L V G H C E N R D E R
4213-32 (1...	#595	CTT GTT GGG CAC TGT GAA AAC AGA GAT GAA AGG
		L V G H C E N R D E R
WMS-82	#595	CTG GTT GGG TAC TGT GAA AAC AGA GAT GAA AGG
		L V G Y C E N R D E R

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	#595	CTT GTT GGG TAC TGT GAA AAC AGA GAT GAA AGG
		L V G Y C E N R D E R
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4213-1 (OX) .fasta
Sequencher(tm) "Alignment Project.SPF"
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Sample	Read ID	Sequence
OX20-8	#628	CTG TCA GTT TAC GAG TAT ATG AAG AAT GGG TTG L S V Y E Y M K N G L
4213-1 (OX)	#628	CTG TCA GTT TAC GAG TAT ATG AAG AAT GGG TTG L S V Y E Y M K N G L
PI105B	#628	CTG TCA GTG TAT GAG TAT ATG AAG AAT GGG TCA L S V Y E Y M K N G S
4213-32 (1...)	#628	CTG TCA GTG TAT GAG TAT ATG AAG AAT GGG TCA L S V Y E Y M K N G S
WMS-82	#628	CTG TCA GTT TAC GAG TAT ATG AAG AAT GGG TTG L S V Y E Y M K N G L
	#628	CTG TCA GTT TAC GAG TAT ATG AAG AAT GGG TTG L S V Y E Y M K N G L

4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"

OX20-8	#661	TTG CGT GAT TGC TTG CAT GAT AAG AAC AAT GTG
		L R D C L H D K N N V
4213-1 (OX)	#661	TTG CGT GAT TGC TTG CAT GAT AAG AAC AAT GTG
		L R D C L H D K N N V
PI105B	#661	TTG CAT GAT TGC TTG CAA GAT AAG AAC AAT GTG
		L H D C L Q D K N N V
4213-32 (1...	#661	TTG CAT GAT TGC TTG CAA GAT AAG AAC AAT GTG
		L H D C L Q D K N N V
WMS-82	#661	TTG CGT GAT TGC TTG CAT GAT AAG AAC AAT GTG
		L R D C L H D K N N V
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	#661	TTG CGT GAT TGC TTG CAT GAT AAG AAC AAT GTG
		L R D C L H D K N N V
		• •

4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"

 OX20-8	#694	GAC AAG GAT AGC AGT GTG TTG AAT TCG TGG AAA
		D K D S S V L N S W K
 4213-1 (OX)	#694	GAC AAG GAT AGC AGT GTG TTG AAT TCG TGG AAA
		D K D S S V L N S W K
 PI105B	#694	GAC AAG GAT TGC AGT GTG TTG AAT TCG TGG AAA
		D K D C S V L N S W K
 4213-32 (1...	#694	GAC AAG GAT TGC AGT GTG TTG AAT TCG TGG AAA
		D K D C S V L N S W K
 WMS-82	#694	GAC AAG GAT AGC AGT GTG TTG AAT TCG TGG AAA
		D K D S S V L N S W K
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	#694	GAC AAG GAT AGC AGT GTG TTG AAT TCG TGG AAA
		D K D S S V L N S W K

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4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"

OX20-8	#727	ATG AGG ATC AAG ATT GCT TGG GAT GCT TCC TTG
		M R I K I A W D A S L
4213-1 (OX)	#727	ATG AGG ATC AAG ATT GCT TGG GAT GCT TCC TTG
		M R I K I A W D A S L
PI105B	#727	ATG AGG ATC AAG ATT GCT TTG GAT GCT TCC TTG
		M R I K I A L D A S L
4213-32 (1...	#727	ATG AGG ATC AAG ATT GCT TTG GAT GCT TCC TTG
		M R I K I A L D A S L
WMS-82	#727	ATG AGG ATC AAG ATT GCT TGG GAT GCT TCC TTG
		M R I K I A W D A S L

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#727 ATG AGG ATC AAG ATT GCT TGG GAT GCT TCC TTG  
M R I K I A W D A S L

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4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"

 OX20-8	#760	GGA ATA CAA TAT CTG CAT AAT TAT GCA AAT CCA
		G I Q Y L H N Y A N P
 4213-1 (OX)	#760	GGA ATA CAA TAT CTG CAT AAT TAT GCA AAT CCA
		G I Q Y L H N Y A N P
 PI105B	#760	GGA ATA CAA TAT CTG CAT AAT TAT GCA AAT CCA
		G I Q Y L H N Y A N P
 4213-32 (1...	#760	GGA ATA CAA TAT CTG CAT AAT TAT GCA AAT CCA
		G I Q Y L H N Y A N P
 WMS-82	#760	GGA ATA CAA TAT CTG CAT AAT TAT GCA AAT CCA
		G I Q Y L H N Y A N P

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	#760	GGA ATA CAA TAT CTG CAT AAT TAT GCA AAT CCA
		G I Q Y L H N Y A N P








4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"

OX20-8	#793	TCT ATT ATT CAC AGG GAT ATC AAG TCT TCC AAT
		S I I H R D I K S S N
4213-1 (OX)	#793	TCT ATT ATT CAC AGG GAT ATC AAG TCT TCC AAT
		S I I H R D I K S S N
PI105B	#793	TCT ATT ATT CAC AGA GGT ATC AAG TCT TCT AAT
		S I I H R G I K S S N
4213-32 (1...	#793	TCT ATT ATT CAC AGA GGT ATC AAG TCT TCT AAT
		S I I H R G I K S S N
WMS-82	#793	TCT ATT ATT CAC AGG GAT ATC AAG TCT TCC AAT
		S I I H R D I K S S N

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	#793	TCT ATT ATT CAC AGG GAT ATC AAG TCT TCC AAT
		S I I H R D I K S S N

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 OX20-8	#826	ATT CTT CTT GAT GCC AGT TGG ACG GCT AGA GTA
		I L L D A S W T A R V
 4213-1 (OX)	#826	ATT CTT CTT GAT GCC AGT TGG ACG GCT AGA GTA
		I L L D A S W T A R V
 PI105B	#826	ATT CTT CTT GAT GCC ACT TGG ACG GCT AGA GTA
		I L L D A T W T A R V
 4213-32 (1...	#826	ATT CTT CTT GAT GCC ACT TGG ACG GCT AGA GTA
		I L L D A T W T A R V
 WMS-82	#826	ATT CTT CTT GAT GCC AGT TGG ACG GCT AGA GTA
		I L L D A S W T A R V





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	#826	ATT CTT CTT GAT GCC AGT TGG ACG GCT AGA GTA
		I L L D A S W T A R V






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4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"

OX20-8	#859	TTT GAT TTT GAA TTG TCG TTC ATA TGT CCA GAA
		F D F E L S F I C P E
4213-1 (OX)	#859	TTT GAT TTT GAA TTG TCG TTC ATA TGT CCA GAA
		F D F E L S F I C P E
PI105B	#859	TTT GGT TTT GGA TGG TCG TTC ATA TGT CCA GAA
		F G F G W S F I C P E
4213-32 (1...	#859	TTT GGT TTT GGA TGG TCG TTC ATA TGT CCA GAA
		F G F G W S F I C P E
WMS-82	#859	TTT GAT TTT GAA TTG TCG TTC ATA TGT CCA GAA
		F D F E L S F I C P E
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	#859	TTT GAT TTT GAA TTG TCG TTC ATA TGT CCA GAA
		F D F E L S F I C P E
		• • •

 OX20-8	#892	CCT GAC GAT GAA TAC GAT GAG ATT ATA ATG GGA
		P D D E Y D E I I M G
 4213-1 (OX)	#892	CCT GAC GAT GAA TAC GAT GAG ATT ATA ATG GGA
		P D D E Y D E I I M G
 PI105B	#892	CCT GAC GGT GAA TAC GAA GAG AGA ATA GTG GGA
		P D G E Y E E R I V G
 4213-32 (1...	#892	CCT GAC GGT GAA TAC GAA GAG AGA ATA GTG GGA
		P D G E Y E E R I V G
 WMS-82	#892	CCT GAC GAT GAA TAC GAT GAG ATT ATA ATG GGA
		P D D E Y D E I I M G
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	#892	CCT GAC GAT GAA TAC GAT GAG ATT ATA ATG GGA
		P D D E Y D E I I M G
		• • • •





4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"

 OX20-8	#925	ACC ATG GGA TAC ATG TGC CCT GAG TAC ATG ACT
		T M G Y M C P E Y M T
 4213-1 (OX)	#925	ACC ATG GGA TAC ATG TGC CCT GAG TAC ATG ACT
		T M G Y M C P E Y M T
 PI105B	#925	ACC TAC GGA TAC ATT TCC CCT GAG TAC GCC ATG
		T Y G Y I S P E Y A M
 4213-32 (1...	#925	ACC TAC GGA TAC ATT TCC CCT GAG TAC GCC ATG
		T Y G Y I S P E Y A M
 WMS-82	#925	ACC ATG GGA TAC ATG TGC CCT GAG TAC ATG ACT
		T M G Y M C P E Y M T
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	#925	ACC ATG GGA TAC ATG TGC CCT GAG TAC ATG ACT
		T M G Y M C P E Y M T
		... . . ... ..

4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"

 OX20-8	#958	CGA GGT GTG TTG ACA GCA AAG TGT GAT GTG TAC
		R G V L T A K C D V Y
 4213-1 (OX)	#958	CGA GGT GTG TTG ACA GCA AAG TGT GAT GTG TAC
		R G V L T A K C D V Y
 PI105B	#958	TGG GGT GTG TTG ACA GCA AAG TGT GAT GTG TAC
		W G V L T A K C D V Y
 4213-32 (1...	#958	TGG GGT GTG TTG ACA GCA AAG TGT GAT GTG TAC
		W G V L T A K C D V Y
 WMS-82	#958	CGA GGT GTG TTG ACA GCA AAG TGT GAT GTG TAC
		R G V L T A K C D V Y
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	#958	CGA GGT GTG TTG ACA GCA AAG TGT GAT GTG TAC
		R G V L T A K C D V Y
		• •

4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"

 OX20-8	#991	GGG CTT GGA GTT GTA TTG CTT GAA CTT TTA ACG
		G L G V V L L E L L T
 4213-1 (OX)	#991	GGG CTT GGA GTT GTA TTG CTT GAA CTT TTA ACG
		G L G V V L L E L L T
 PI105B	#991	GCG CTT GGA GTT GTA TTG CTT GAA CTT TTA ACG
		A L G V V L L E L L T
 4213-32 (1...	#991	GCG CTT GGA GTT GTA TTG CTT GAA CTT TTA ACG
		A L G V V L L E L L T
 WMS-82	#991	GGG CTT GGA GTT GTA TTG CTT GAA CTT TTA ACG
		G L G V V L L E L L T
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	#991	GGG CTT GGA GTT GTA TTG CTT GAA CTT TTA ACG
		G L G V V L L E L L T
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4213-1 (OX) .fasta
Sequencher(tm) "Alignment Project.SPF"
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Accession	Length	Sequence	Translation
OX20-8	#1024	GGT AAG AGA GCT ATA CTA CTC GAG TCT GAG GAA	G K R A I L L E S E E
4213-1 (O...	#1024	GGT AAG AGA GCT ATA CTA CTC GAG TCT GAG GAA	G K R A I L L E S E E
PI105B	#1024	GGT AAG AGA GTT ATA TTG CCC :: TCT GAG GAC	G K R V I L P S E D
4213-32 (...)	#1024	GGT AAG AGA GTT ATA TTG CCC :: TCT GAG GAC	G K R V I L P S E D
WMS-82	#1024	GGT AAG AGA GCT ATA CTA CTC GAG TCT GAG GAA	G K R A I L L E S E E



OX20-8	#1057	GAT GGA CCT CCA TTT TAT TTG GTG GAC TTT GCA
		D G P P F Y L V D F A
4213-1 (O...	#1057	GAT GGA CCT CCA TTT TAT TTG GTG GAC TTT GCA
		D G P P F Y L V D F A
PI105B	#1057	GGT GAA GAA CCA ::: CGT TTG CTG GAC TTT GCA
		G E E P R L L D F A
4213-32 (...)	#1057	GGT GAA GAA CCA ::: CGT TTG CTG GAC TTT GCA
		G E E P R L L D F A
WMS-82	#1057	GAT GGA CCT CCA TTT TAT TTG GTG GAC TTT GCA
		D G P P F Y L V D F A
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	#1057	GAT GGA CCT CCA TTT TAT TTG GTG GAC TTT GCA
		D G P P F Y L V D F A
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4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"

 OX20-8	#1090	GTG CCT CCT ATT TTG GCT GGA GAT TTG GTC GAA
		V P P I L A G D L V E
 4213-1 (O...	#1090	GTG CCT CCT ATT TTG GCT GGA GAT TTG GTC GAA
		V P P I L A G D L V E
 PI105B	#1090	GTG CCT CCT ATT TTG GCT GGA GAT TTG GTC GAA
		V P P I L A G D L V E
 4213-32 (...)	#1090	GTG CCT CCT ATT TTG GCT GGA GAT TTG GTC GAA
		V P P I L A G D L V E
 WMS-82	#1090	GTG CCT CCT ATT TTG GCT GGA GAT TTG GTC GAA
		V P P I L A G D L V E

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	#1090	GTG CCT CCT ATT TTG GCT GGA GAT TTG GTC GAA
		V P P I L A G D L V E

OX20-8	#1123	ATT TTG GAT TCA AGG GTT GGA CCA CCC GAT TTG
		I L D S R V G P P D L
4213-1 (O...	#1123	ATT TTG GAT TCA AGG GTT GGA CCA CCC GAT TTG
		I L D S R V G P P D L
PI105B	#1123	ATT TTG GAT TCA AGG GTT GGA CCA CCC GAT GTG
		I L D S R V G P P D V
4213-32 (...)	#1123	ATT TTG GAT TCA AGG GTT GGA CCA CCC GAT GTG
		I L D S R V G P P D V
WMS-82	#1123	ATT TTG GAT TCA AGG GTT GGA CCA CCC GAT TTG
		I L D S R V G P P D L

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	#1123	ATT TTG GAT TCA AGG GTT GGA CCA CCC GAT TTG
		I L D S R V G P P D L

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4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"

 OX20-8	#1156	AAA GAA GCA GAG GCA CTG AAG ATC CTG GCC CAT
		K E A E A L K I L A H
 4213-1 (O...	#1156	AAA GAA GCA GAG GCA CTG AAG ATC CTG GCC CAT
		K E A E A L K I L A H
 PI105B	#1156	AAA GAA GCA GAG GCA CTG AAG ATC CTG GCC CAT
		K E A E A L K I L A H
 4213-32 (...)	#1156	AAA GAA GCA GAG GCA CTG AAG ATC CTG GCC CAT
		K E A E A L K I L A H
 WMS-82	#1156	AAA GAA GCA GAG GCA CTG AAG ATC CTG GCC CAT
		K E A E A L K I L A H

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	#1156	AAA GAA GCA GAG GCA CTG AAG ATC CTG GCC CAT
		K E A E A L K I L A H

4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"

OX20-8	#1189	ACA GCT ATA CGT TGT GTG GAA GAG GAA CCG AGG
		T A I R C V E E E P R
4213-1 (O...	#1189	ACA GCT ATA CGT TGT GTG GAA GAG GAA CCG AGG
		T A I R C V E E E P R
PI105B	#1189	ACA GCT ATA CGT TGT GTG GAA GTG GAA CCG AGG
		T A I R C V E V E P R
4213-32 (...)	#1189	ACA GCT ATA CGT TGT GTG GAA GTG GAA CCG AGG
		T A I R C V E V E P R
WMS-82	#1189	ACA GCT ATA CGT TGT GTG GAA GAG GAA CCG AGG
		T A I R C V E E E P R

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	#1189	ACA GCT ATA CGT TGT GTG GAA GAG GAA CCG AGG
		T A I R C V E E E P R

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4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"

OX20-8	#1222	CAA AGA CCA ACC ATG AAT GAC ATT GTG GTC GAT
		Q R P T M N D I V V D
4213-1 (O...	#1222	CAA AGA CCA ACC ATG AAT GAC ATT GTG GTC GAT
		Q R P T M N D I V V D
PI105B	#1222	CAT AGA CCA ACC ATG AAT GAC ATT GTG GTC GAT
		H R P T M N D I V V D
4213-32 (...)	#1222	CAT AGA CCA ACC ATG AAT GAC ATT GTG GTC GAT
		H R P T M N D I V V D
WMS-82	#1222	CAA AGA CCA ACC ATG AAT GAC ATT GTG GTC GAT
		Q R P T M N D I V V D

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	#1222	CAA AGA CCA ACC ATG AAT GAC ATT GTG GTC GAT
		Q R P T M N D I V V D

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4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"

 OX20-8	#1255	TTG GAT CGG GCT TTT GCT ATT TGT GGT AGT AGC
		L D R A F A I C G S S
 4213-1 (O...	#1255	TTG GAT CGG GCT TTT GCT ATT TGT GGT AGT AGC
		L D R A F A I C G S S
 PI105B	#1255	TTG GAT CGG GCT TTT GCT ATT TGT GGT AGT AGC
		L D R A F A I C G S S
 4213-32 (...)	#1255	TTG GAT CGG GCT TTT GCT ATT TGT GGT AGT AGC
		L D R A F A I C G S S
 WMS-82	#1255	TTG GAT CGG GCT TTT GCT ATT TGT GGT AGT AGC
		L D R A F A I C G S S
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	#1255	TTG GAT CGG GCT TTT GCT ATT TGT GGT AGT AGC
		L D R A F A I C G S S

4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"

OX20-8	#1288	CTA TAT GAT GAG AAC TTT TCC TAT TCC ATT GCA
		L Y D E N F S Y S I A
4213-1 (O...	#1288	CTA TAT GAT GAG AAC TTT TCC TAT TCC ATT GCA
		L Y D E N F S Y S I A
PI105B	#1288	CTA TAT GAT GAG AAC TTT TCC TAT TCC AAT GCA
		L Y D E N F S Y S N A
4213-32 (...)	#1288	CTA TAT GAT GAG AAC TTT TCC TAT TCC AAT GCA
		L Y D E N F S Y S N A
WMS-82	#1288	CTA TAT GAT GAG AAC TTT TCC TAT TCC ATT GCA
		L Y D E N F S Y S I A

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	#1288	CTA TAT GAT GAG AAC TTT TCC TAT TCC ATT GCA
		L Y D E N F S Y S I A

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4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"

 OX20-8	#1321	TTA CCA TCA CAT GAG TCC AAT CAT ATG ACT CCG
		L P S H E S N H M T P
 4213-1 (O...	#1321	TTA CCA TCA CAT GAG TCC AAT CAT ATG ACT CCG
		L P S H E S N H M T P
 PI105B	#1321	TTA CCA TCA CAT GAG TCC AAT CAT ATG ACT CCG
		L P S H E S N H M T P
 4213-32 (...)	#1321	TTA CCA TCA CAT GAG TCC AAT CAT ATG ACT CCG
		L P S H E S N H M T P
 WMS-82	#1321	TTA CCA TCA CAT GAG TCC AAT CAT ATG ACT CCG
		L P S H E S N H M T P
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	#1321	TTA CCA TCA CAT GAG TCC AAT CAT ATG ACT CCG
		L P S H E S N H M T P

4213-1 (OX) .fasta  
Sequencher(tm) "Alignment\_Project.SPF"

 OX20-8	#1354	GAT CCT CTT GAT ACG GAC TCA TGT GAT ATT CCA
		D P L D T D S C D I P
 4213-1 (O...	#1354	GAT CCT CTT GAT ACG GAC TCA TGT GAT ATT CCA
		D P L D T D S C D I P
 PI105B	#1354	GAT CCT CTT GAT ACG GAC TCA TGT GAT ATT CCA
		D P L D T D S C D I P
 4213-32 (...)	#1354	GAT CCT CTT GAT ACG GAC TCA TGT GAT ATT CCA
		D P L D T D S C D I P
 WMS-82	#1354	GAT CCT CTT GAT ACG GAC TCA TGT GAT ATT CCA
		D P L D T D S C D I P
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	#1354	GAT CCT CTT GAT ACG GAC TCA TGT GAT ATT CCA
		D P L D T D S C D I P

OX20-8 #1387 ATC TAC GAA GAG AAT ACG AAC TCA TGA  
I Y E E N T N S .

4213-1 (O... #1387 ATC TAC GAA GAG AAT ACG AAC TCA TGA  
I Y E E N T N S .

PI105B #1387 ATC GAC GAA GAG ATT ::: ::C TTA TTA  
I D E E I L I

4213-32 (... #1387 ATC GAC GAA GAG ATT ::: ::C TTA TTA  
I D E E I L I

WMS-82 #1387 ATC TAC GAA GAG AAT ACG AAC TCA TGA  
I Y E E N T N S .

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#1387 ATC TAC GAA GAG AAT ACG AAC TCA TGA  
I Y E E N T N S .  
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