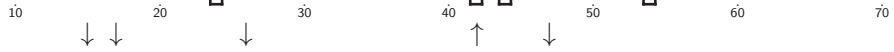


Exon 1

Exon 2

	4 3 2 1	MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	VEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN	4 3 2 1	
105746'1.Gmo.Gre		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	DEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
103852'2.Gog.Gre		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	DEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
152074'1.Gma.Pac		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	DEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
152050'1.Gma.Pac		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	DEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
152027'3.Gch.Pac		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	DEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
118507'6.Gmo.Ice		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	DEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
140272'9.Gmo.Bar		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	DEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
140179'3.Gmo.Cel		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	DEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
140254'2.Gmo.Bar		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	DEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
140179'1.Gmo.Cel		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	DEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
152018'3.Gch.Pac		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	DEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
140272'8.Gmo.Bar		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	DEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
140272'1.Gmo.Bar		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	DEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
118507'12.Gmo.Ice		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	DEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
152027'2.Gch.Pac		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	DEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
104931'3.Gmo.Gre		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	DEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
ES786338.1'cath2		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	DEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
103659'2.Bsa.Gre		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	VEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
105746'3.Gmo.Gre		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	VEIVYPEGVDL	STMSVKKMTFPAQELDCSQVN		73
152074'3.Gma.Pac		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	VEIVYPEGVDL	STMSVKKMTFPAQELDCSQVN		73
104947'2.Gog.Gre		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	VEIVYPEGVDL	STMSVKKMTFPAQELDCSQVN		73
152050'3.Gma.Pac		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	VEIVYPEGVDL	STMSVKKMTFPAQELDCSQVN		73
152921'3.Gmo.Nor		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	VEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
FG312333.1'cath1		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	VEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
EY975127'cath1		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	VEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
152027'1.Gch.Pac		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	VEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
GW862872.1-cath1		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	VEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
200079'3.Gmo.Can		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	VEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
117757'1.Gmo.Ice		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	VEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
104931'1.Gmo.Gre		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	VEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
118507'7.Gmo.Ice		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	VEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
200079'1.Gmo.Can		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFCPLLDQLR	VEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
115574'2.Gmo.Far		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	VEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
140233'2.Gmo.Bal		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	VEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
140176'1.Gmo.Cel		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	VEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
104725'1.Bsa.Gre		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	VEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
114718'1.Gmo.Far		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	VEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
152924'3.Gmo.Nor		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	VEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
114718'4.Gmo.Far		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	VEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
125968'3.Gmo.Ice		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	VEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
115574'1.Gmo.Far		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	VEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
152924'2.Gmo.Nor		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	VEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
200093'5.Gmo.Can		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	VEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
117795'1.Gmo.Ice		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	VEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
118214'2.Gmo.Ice		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	VEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
140219'3.Gmo.Bal		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	VEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
200093'3.Gmo.Can		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	VEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
EU707291.1'cath1		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	VEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73
GeneScaffold'2759		MTTQMRLLCFAAVTLLAEAQMI	PPFIFPLKNFRPLLDQLR	VEIVYPEGVDL	STMSVRKMTFPAQELDCSQVN		73



Exon 2

Exon 3



105746'1. Gmo. Gre	TSMPGQQPLKENGKIMNENFTLSYIKQDADIQGFQFNDAAIKEATL	121
103852'2. Gog. Gre	TSMPGQQPLKENGKIMNENFTLSYIKQDADIQGFQFNDAAIKEATL	121
152074'1. Gma. Pac	TSMPGQQPLKENGKIMNENFTLSYIKQDADIQGFQFNDAAIKEATL	121
152050'1. Gma. Pac	TSMPGQQPLKENGKIMNENFTLSYIKQDADIQGFQFNDAAIKEATL	121
152027'3. Gch. Pac	TSMPGQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
118507'6. Gmo. Ice	TSMPGQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
140272'9. Gmo. Bar	TSMPGQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
140179'3. Gmo. Cel	TSMPGQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
140254'2. Gmo. Bar	TSMPRQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
140179'1. Gmo. Cel	TSMPRQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
152018'3. Gch. Pac	TSMPRQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
140272'8. Gmo. Bar	TSMPRQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
140272'1. Gmo. Bar	TSMPRQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
118507'12. Gmo. Ice	TSMPRQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
152027'2. Gch. Pac	TSMPRQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
104931'3. Gmo. Gre	TSMPRQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
ES786338.1' cath2	TSMPRQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
103659'2. Bsa. Gre	TSMPGQQPLKGNKIMNENVTLSYINQDADIQGFQFNDAAIKEATL	121
105746'3. Gmo. Gre	TSMPGQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
152074'3. Gma. Pac	TSMPGQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
104947'2. Gog. Gre	TSMPGQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
152050'3. Gma. Pac	TSMPGQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
152921'3. Gmo. Nor	TSMPGQQPPKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
FG312333.1' cath1	TSMPGQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
EY975127' cath1	TSMPGQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
152027'1. Gch. Pac	TSMPGQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
GW862872.1-cath1	TSMPGQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
200079'3. Gmo. Can	TSMPGQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
117757'1. Gmo. Ice	TSMPGQQPLKENGKIMNENFTLSYINQDADIQGLQFNDAAIKEATL	121
104931'1. Gmo. Gre	TSMPRQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
118507'7. Gmo. Ice	TSMPGQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
200079'1. Gmo. Can	TSMPGQQPPKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
115574'2. Gmo. Far	TSMPGQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
140233'2. Gmo. Bal	TSMPGQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
140176'1. Gmo. Cel	TSMPGQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
104725'1. Bsa. Gre	TSMPGQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
114718'1. Gmo. Far	TSMPGQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
152924'3. Gmo. Nor	TSMPGQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
114718'4. Gmo. Far	TSMPGQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
125968'3. Gmo. Ice	TSMPGQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
115574'1. Gmo. Far	TSMPGQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
152924'2. Gmo. Nor	TSMPGQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
200093'5. Gmo. Can	TSMPGQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
117795'1. Gmo. Ice	TSMPGQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
118214'2. Gmo. Ice	TSMPGQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
140219'3. Gmo. Bal	TSMPGQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
200093'3. Gmo. Can	TSMPGQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
EU707291.1' cath1	TSMPGQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121
GeneScaffold'2759	TSMPGQQPLKENGKIMNENFTLSYINQDADIQGFQFNDAAIKEATL	121



- Asp, Glu
- Arg, Lys, His
- Phe, Tyr, Trp
- Ala, Gly
- Cys, Met
- Ser, Thr
- Asn, Gln
- Leu, Val, Ile
- Pro