

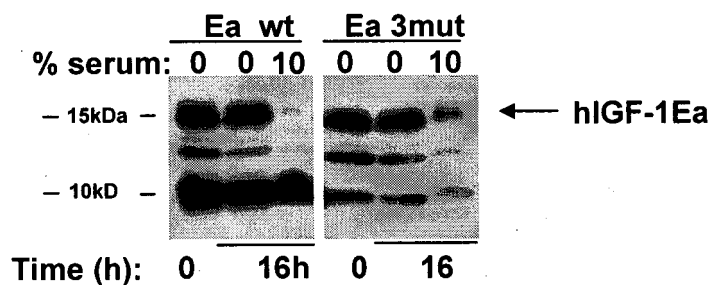
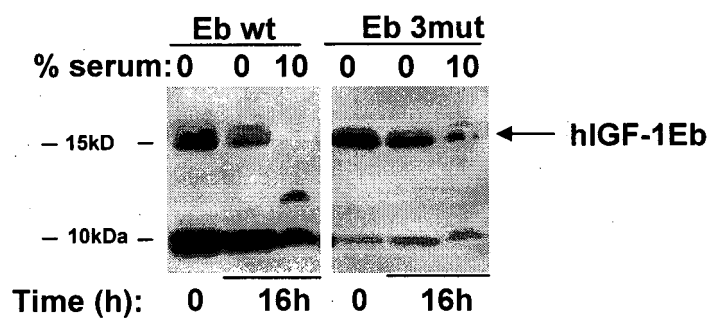
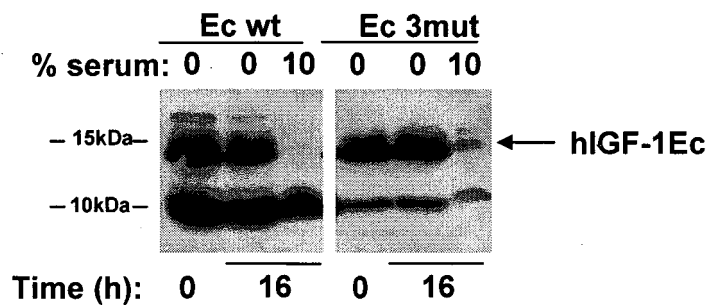
Fig. 1A**Fig. 1B****Fig. 1C**

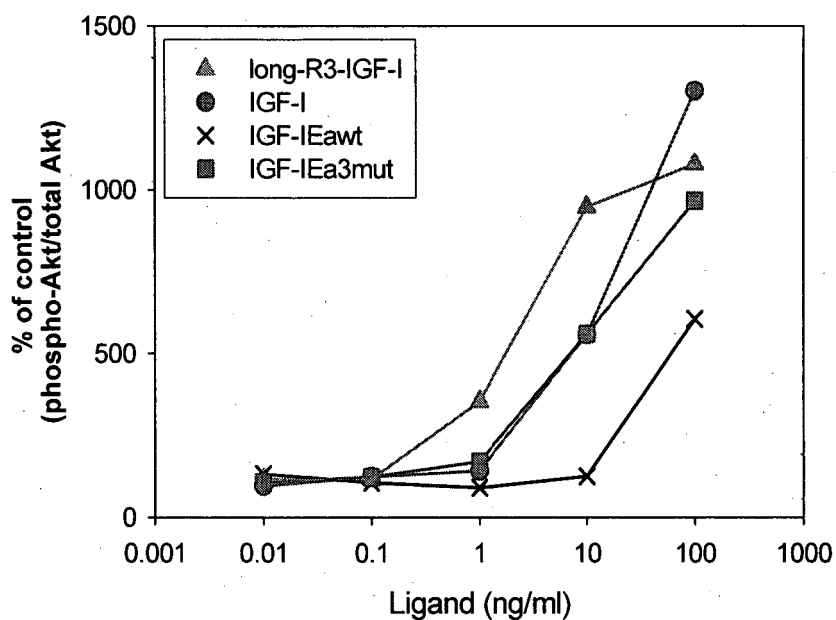
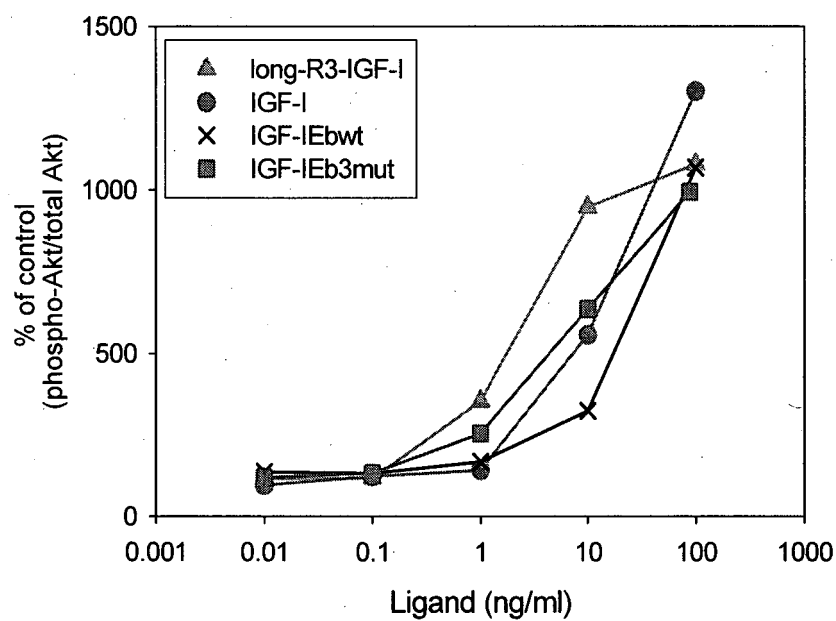
Fig. 2A**Fig. 2B**

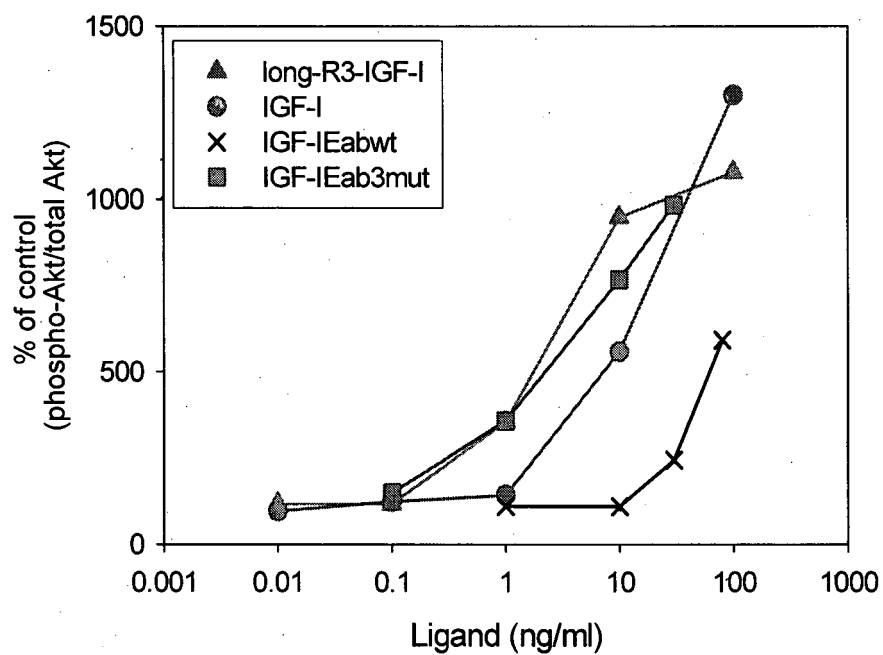
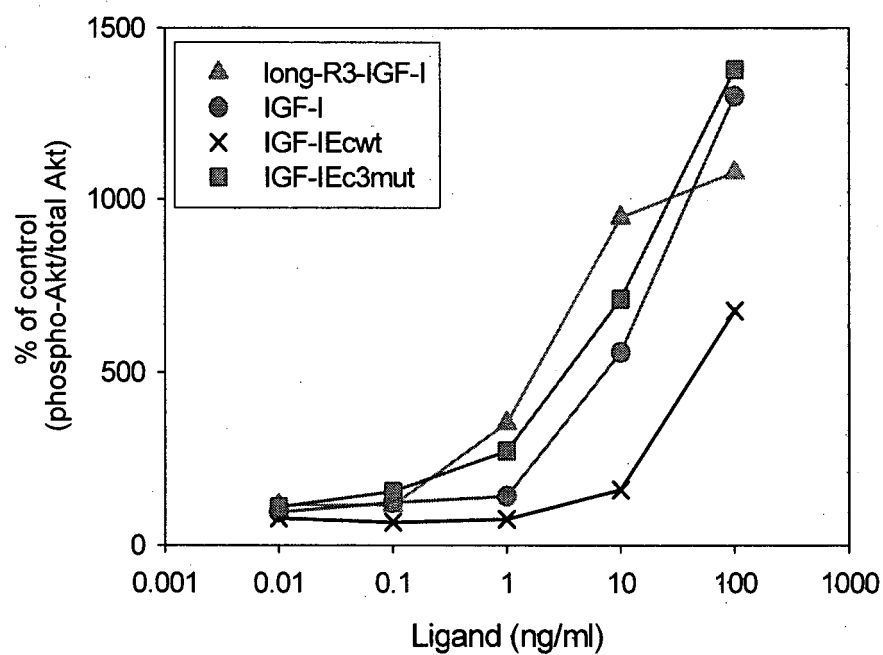
Fig. 2C**Fig. 2D**

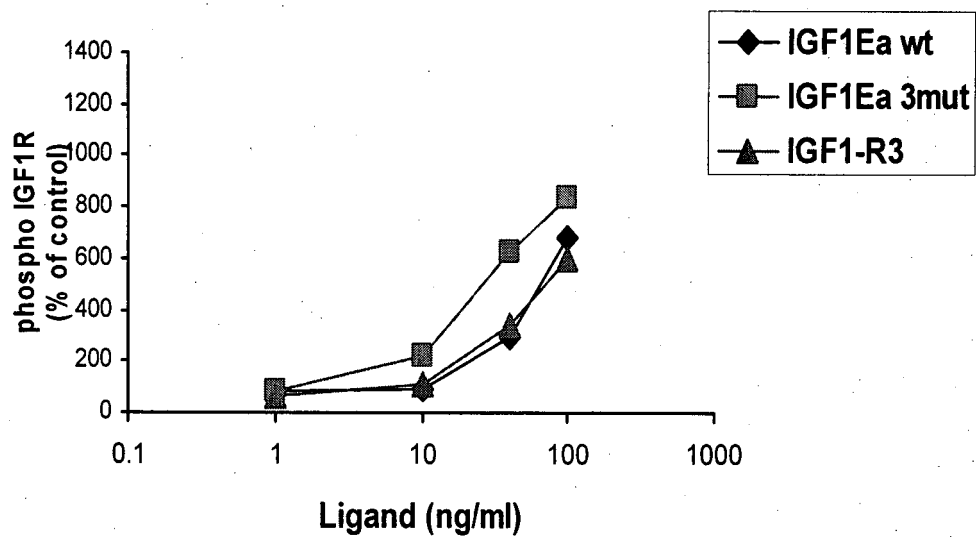
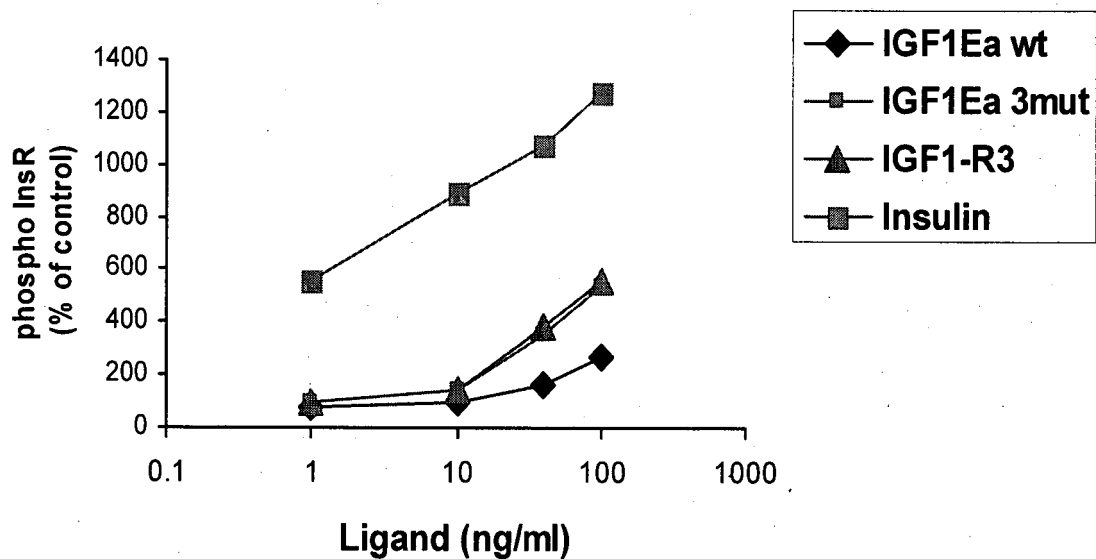
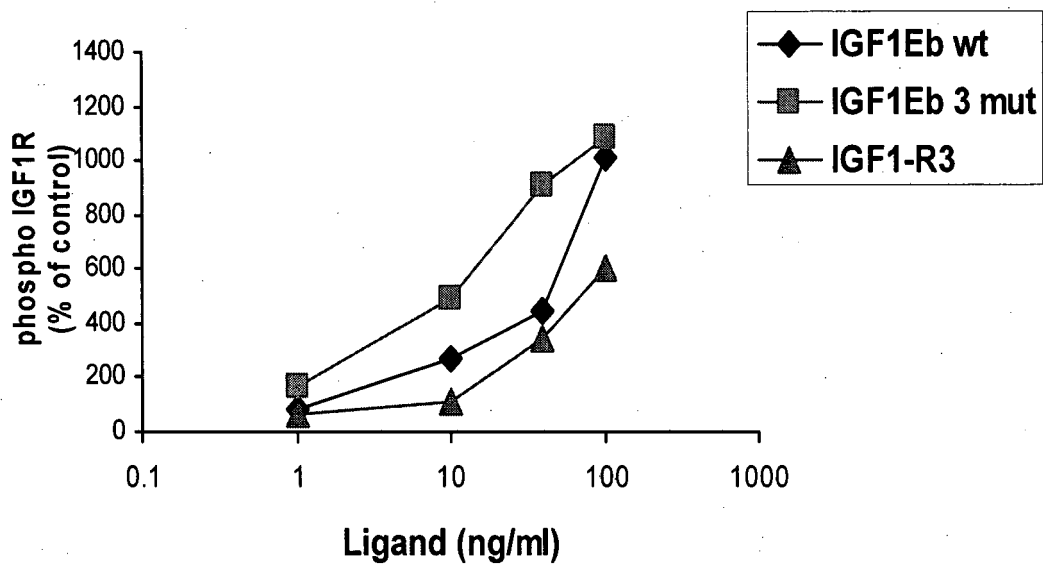
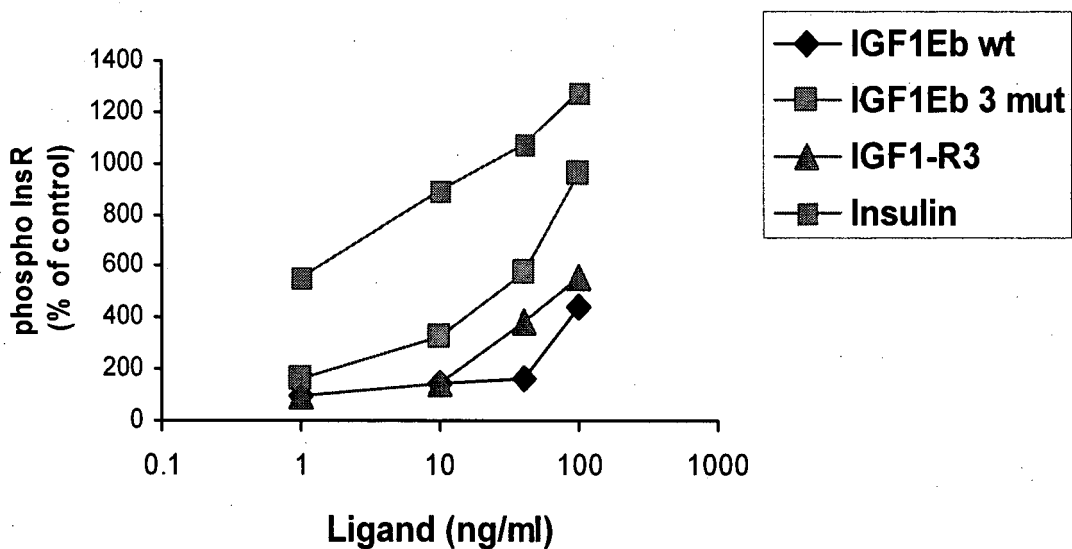
Fig. 3A**Fig. 3B**

Fig. 3C**Fig. 3D**

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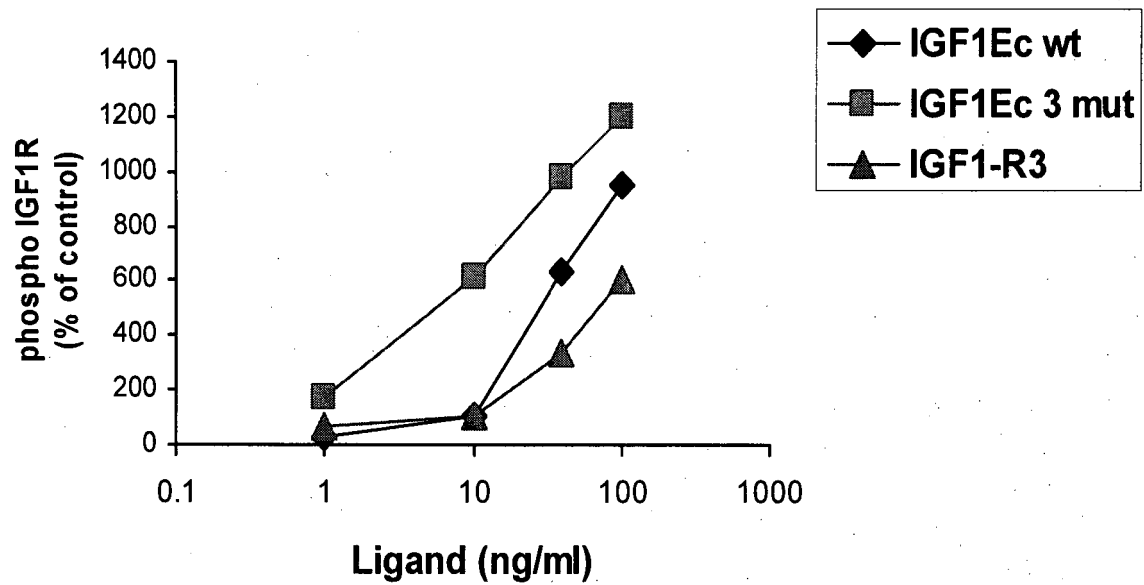
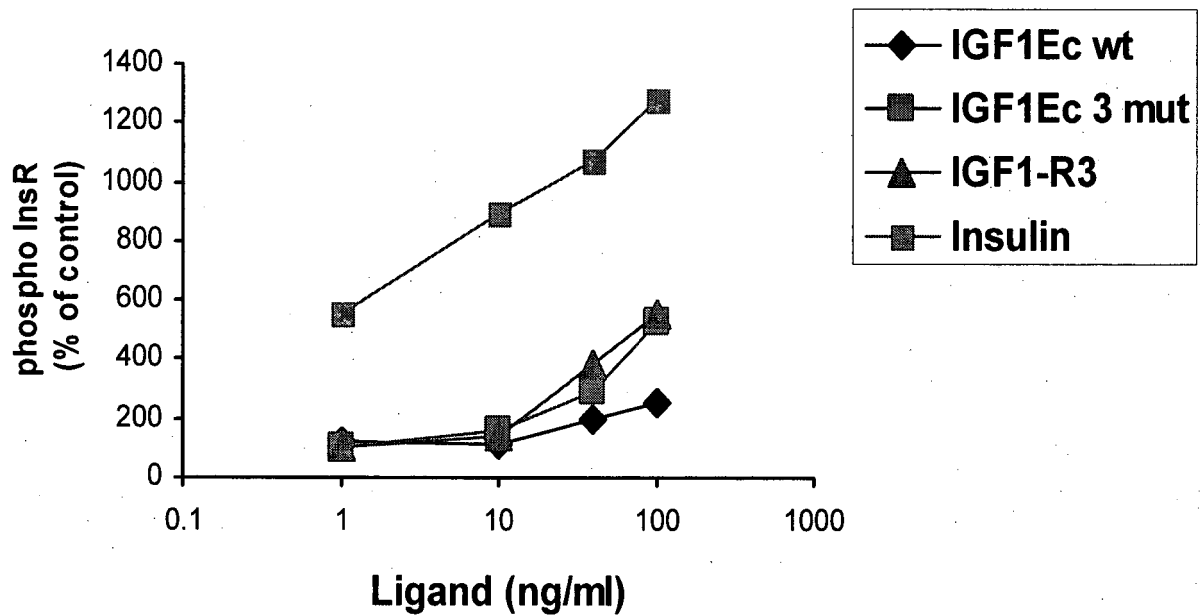
Fig. 4A**Fig. 4B**

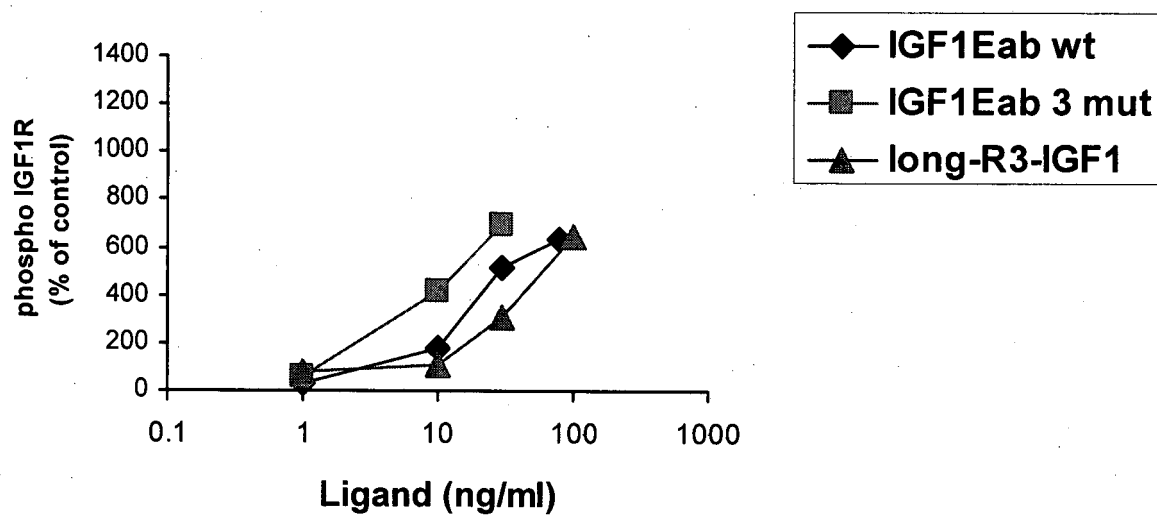
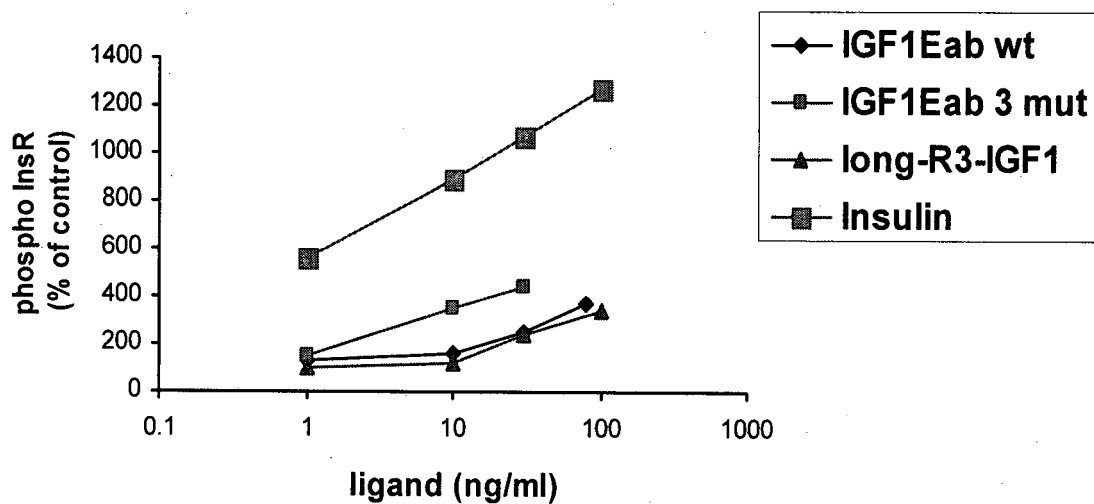
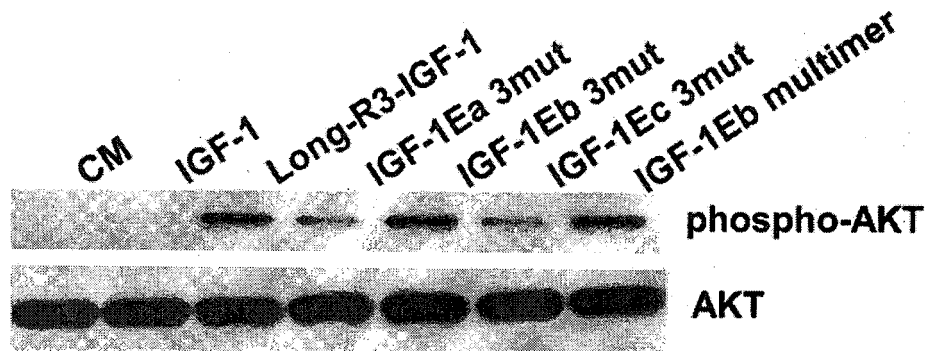
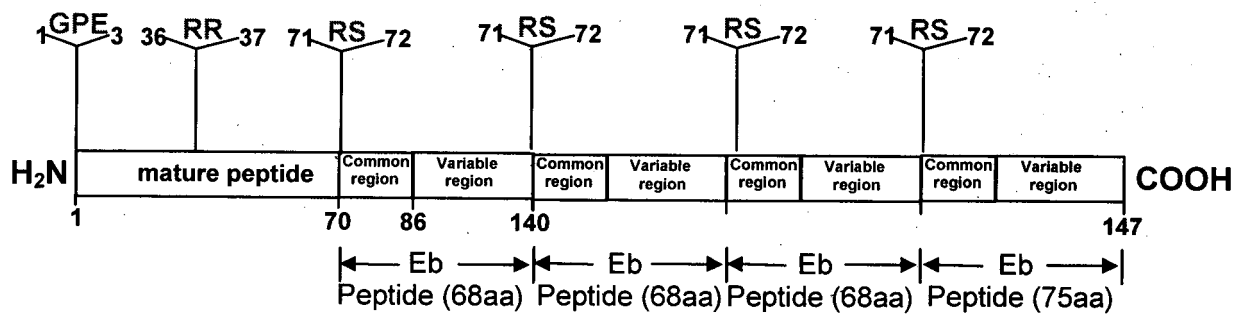
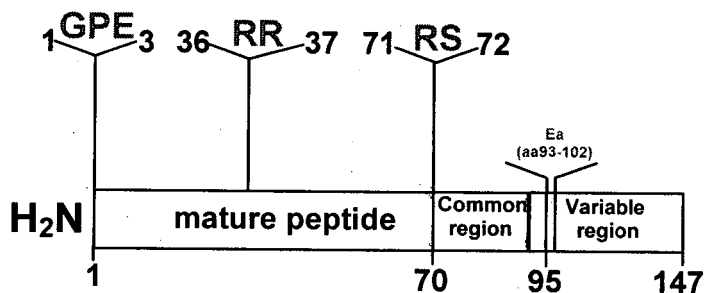
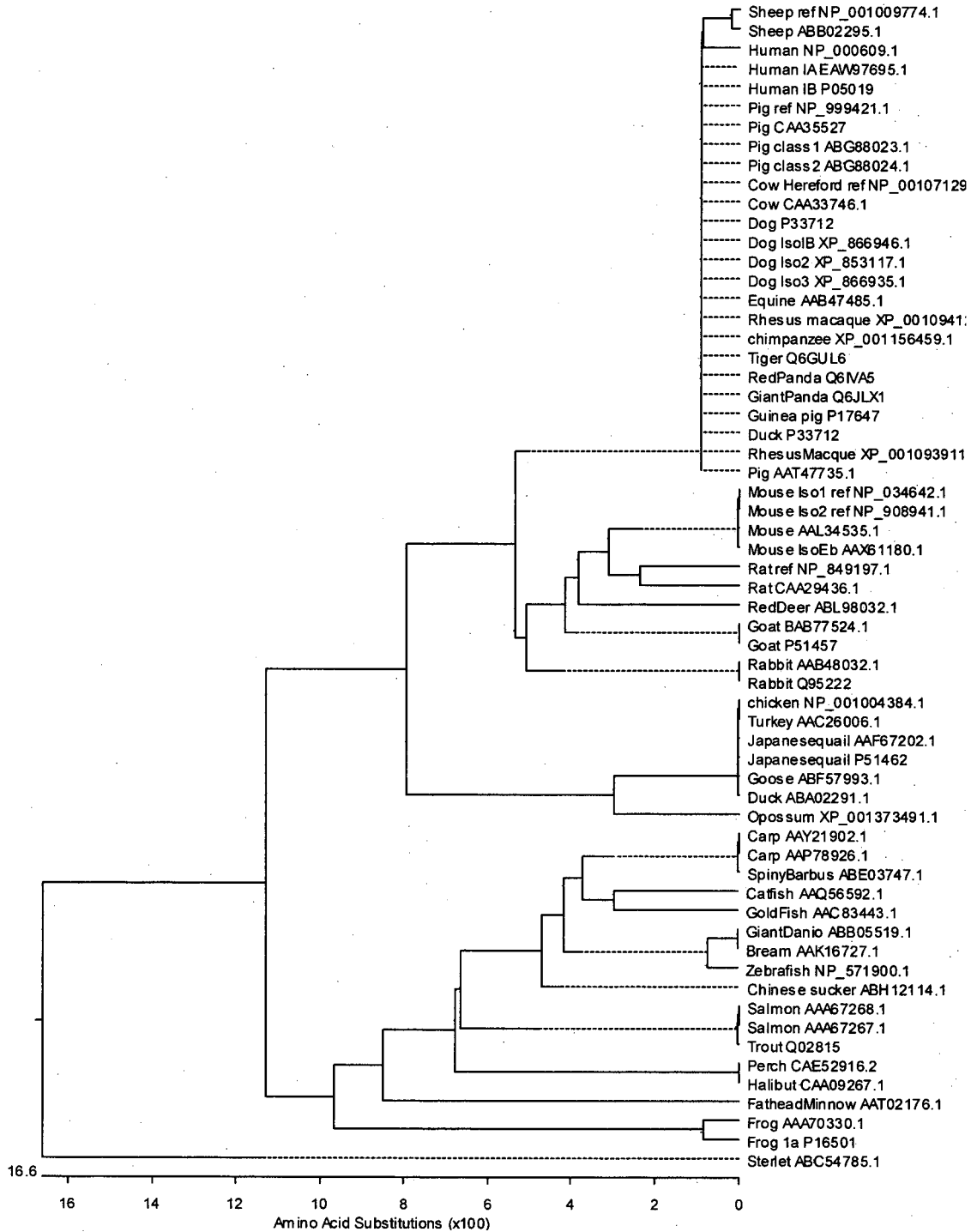
Fig. 4C**Fig. 4D**

Fig. 5**Fig. 6A****Fig. 6B**

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Human IGF-1	GPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPAKSA	1
Human IA EAW97695.1	GPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPAKSA	1
Human IF P05019	GPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPAKSA	1
Pig ref NP_999421.1	GPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPAKSA	1
Pig CAA35527	GPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPAKSA	1
Pig class1 ABG88023.1	GPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPAKSA	1
Pig class2 ABG88024.1	GPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPAKSA	1
Cow Hereford ref NP_001071296.1	GPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPAKSA	1
Cow CAA33746.1	GPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPAKSA	1
Sheep ref NP_001009774.1	GPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPAKSA	85
Sheep ABB02295.1	-----LVDAQLQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPAKSA	86
Goat BAB77524.1	GPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPTKSA	87
Goat P51457	GPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPTKSA	87
Dog P33712	GPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPAKSA	1
Dog Iso1B XP_866946.1	GPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPAKSA	1
Dog Iso2 XP_853117.1	GPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPAKSA	1
Dog Iso3 XP_866935.1	GPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPAKSA	1
Equine AAB47485.1	GPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPAKSA	1
Rhesus macaque XP_001094129.1	GPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPAKSA	1
chimpanzee XP_001156459.1	GPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPAKSA	1
Tiger Q6GUL6	GPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPAKSA	1
RedPanda Q6IVA5	GPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPAKSA	1
GiantPanda Q6JXL1	GPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPAKSA	88
RedDeer ABL98032.1	GPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPTKAA	89
Rabbit AAB48032.1	GPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPAKAA	90
Rabbit Q95222	GPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPAKAA	90
Guinea pig P17647	GPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPAKSA	1
Rat ref NP_849197.1	GPETLCGAELVDALQFVCGPRGFYFNKPTGYGSSIRRAPQTGIVDECCFRSCDLRRLREMYCVCKPTKSA	91
Rat CAA29436.1	GPETLCGAELVDALQFVCGPRGFYFNKPTGYGSSIRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPTKSA	92
Mouse Iso1 ref NP_034642.1	GPETLCGAELVDALQFVCGPRGFYFNKPTGYGSSIRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPTKAA	93
Mouse Iso2 ref NP_908941.1	GPETLCGAELVDALQFVCGPRGFYFNKPTGYGSSIRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPTKAA	93
Mouse AAL34535.1	GPETLCGAELVDALQFVCGPRGFYFNKPTGYGSSIRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPTKAA	93
Mouse IsoEb AAX61180.1	GPETLCGAELVDALQFVCGPRGFYFNKPTGYGSSIRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPTKAA	93
chicken NP_001004384.1	GPETLCGAELVDALQFVCGDRGFYFSKPTGYGSSRRLLHKGIVDECCFQSCDLRRLREMYCAPIKPPKSA	94
Turkey AAC26006.1	GPETLCGAELVDALQFVCGDRGFYFSKPTGYGSSRRLLHKGIVDECCFQSCDLRRLREMYCAPIKPPKSA	94
Japanesequail AAF67202.1	GPETLCGAELVDALQFVCGDRGFYFSKPTGYGSSRRLLHKGIVDECCFQSCDLRRLREMYCAPIKPPKSA	94
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Duck P33712	GPETLCGAELVDALQFVCGDRGFYFNKPTGYGSSRRAPQTGIVDECCFRSCDLRRLREMYCAPLKPAKSA	1
Duck ABA02291.1	GPETLCGAELVDALQFVCGDRGFYFSKPTGYGSSRRLLHKGIVDECCFQSCDLRRLREMYCAPIKPPKSA	94
Salmon AAA67268.1	GPETLCGAELVDTLQFVCGDRGFYFSKPTGYGPSSRRSHNRGIVDECCFQSCDLRRLREMYCAPVKSCKAA	95
Salmon AAA67267.1	GPETLCGAELVDTLQFVCGDRGFYFSKPTGYGPSSRRSHNRGIVDECCFQSCDLRRLREMYCAPVKSCKAA	95
Sterlet ABC54785.1	GSETLCGAELVDTLQFVCGDRGFYFNKPTGYGSSRRPHRGIVNECCFQSCDLRRLREMYCAPVKSCKAA	96
Perch CAE52916.2	GPETLCGAELVDTLQFVCGDRGFYFSKPTGYGPNARRS--RGIVDECCFQSCDLRRLREMYCAPKTSKAA	97
Trout Q02815	GPETLCGAELVDTLQFVCGDRGFYFSKPTGYGPNARRS--RGIVDECCFQSCDLRRLREMYCAPKTSKAA	97
Halibut CAA09267.1	GPETLCGAELVDTLQFVCGDRGFYFSKPTGYGPNARRS--RGIVDECCFQSCDLRRLREMYCAPKTSKAA	97
Catfish AAQ65592.1	GPETLCGAELVDTLQFVCGDRGFYFSKPTGYGPNARRS--RGIVDECCFQSCDLRRLREMYCAPVKSCKAA	99
Carp AAY21902.1	GPETLCGAELVDTLQFVCGDRGFYFSKPTGYGPNARRS--RGIVDECCFQSCDLRRLREMYCAPVKSCKAA	99
Carp AAP78926.1	GPETLCGAELVDTLQFVCGDRGFYFSKPTGYGPNARRS--RGIVDECCFQSCDLRRLREMYCAPVKSCKAA	100
GiantDanio ABB05519.1	GPETLCGAELVDTLQFVCGDRGFYFSKPTGYGPNARRS--RGIVDECCFQSCDLRRLREMYCAPVKSCKAA	100
Zebrafish NP_571900.1	GPETLCGAELVDTLQFVCGDRGFYFSKPTGYGPNARRS--RGIVDECCFQSCDLRRLREMYCAPVKSCKAA	100
Chinese sucker		

Fig. 7B

Majority	SEQ ID NO		
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Pig ref NP 999421.1	RSVRAQRHTDMPKAQKEVHLKNTSRG	SSGNKNYRM	109
Pig CAA35527	RSVRAQRHTDMPKAQKEVHLKNTSRG	SSGNKNYRM	109
Pig class1 ABG88023.1	RSVRAQRHTDMPKARKEVHLKNTSRG	SSGNKNYRM	110
Pig class2 ABG88024.1	RSVRAQRHTDMPKARKEVHLKNTSRG	SSGNKNYRM	110
Cow Hereford ref NP_001071296.1	RSVRAQRHTDMPKAQKEVHLKNTSRG	SAGNKNYRM	111
Cow CAA33746.1	RSVRAQRHTDMPKAQKEVHLKNTSRG	SAGNKNYRM	111
Sheep ref NP_001009774.1	RSVRAQRHTDMPKAQKEVHLKNTSRG	SAGNKNYRM	111
Sheep ABB02295.1	RSVRAQRHTDMPKAQKEVHLKNTSRG	SAGNKNYRM	111
Goat BAB77524.1	RSVRAQRHTDMPKAQKEVHLKNTSRG	SAGNKNYRM	111
Goat P51457	RSVRAQRHTDMPKAQKEVHLKNTSRG	SAGNKNYRM	111
Dog P33712	RSVRAQRHTDMPKAQKEVHLKNASRG	SAGNKTY	112
Dog Iso2 XP_853117.1	RSVRAQRHTDMPKAQKEVHLKNASRG	SAGNKNYRM	113
Dog Iso3 XP_866935.1	RSVRAQRHTDMPKAQKEVHLKNASRG	SAGNKNYRM	113
Equine AAB47485.1	RSVRAQRHTDMPKAQKEVHLKNTSRG	SAGNKNYRM	111
Rhesus macaque XP_001094129.1	RSVRAQRHTDMPKTQKEVHLKNASRG	SAGNKNYRM	2
Tiger Q6GUL6	RSVRAQRHTDMPKAQKEVHLKNASRG	SAGNKNYRM	113
RedPanda Q6IVA5	RSVRAQRHTDMPKAQKEVHLKNASRG	SAGNKNYRM	113
GiantPanda Q6JLX1	RSVRAQRHTDMPKAQKEVHLKNASRG	SAGNKNYRM	113
RedDeer ABL98032.1	RSVRAQRHTDMPKAQKEVHLKNTSRG	SAGNKNYRM	111
Rabbit AAB48032.1	RSVRAQRHTDMPKTQKEVHLKNTSRG	SAGNKNYRM	114
Guinea pig P17647	RSVRAQRHTDMPKTQKEVHLKNASRG	SAGNKNYRM	2
Rat ref NP_849197.1	RSIRAQRHTDMPKTQKEVHLKNTSRG	SAGNKTYRM	115
Rat CAA29436.1	RSIRAQRHTDMPKTQKEVHLKNTSRG	SAGNKTYRM	115
Mouse AAL34535.1	RSIRAQRHTDMPKTQKEVHLKNTSRG	SAGNKTYRM	115
chicken NP_001004384.1	RSVRAQRHTDMPKAQKEVHLKNTSRG	TGNRNYRM	116
Turkey AAC26006.1	RSVRAQRHTDMPKAQKELHLKNTSRG	TGNRNYRM	117
Japanesequail AAF67202.1	RSVRAQRHTDMPKAQKEVHLKNTSRG	TGNRNYRM	116
Japanesequail P51462	RSVRAQRHTDMPKAQKEVHLKNTSRG	TGNRNYRM	116
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Duck P33712	RSVRAQRHTDMPKAQKEVHLKNASRG	SAGNKTY	112
Salmon AAA67268.1	RSVRAQRHTDMPRTPEVHQKNSSRG	TGGRNYRM	119
Salmon AAA67267.1	RSVRAQRHTDMPRTPEVHQKNSSRG	TGGRNYRM	119
Sterlet ABC54785.1	RSVRAQRHTDMPKAQKEVHSKNSSRG	TGNRNYRI	120
Perch CAE52916.2	RSVRAQRHTDMPRAPKEVHQKNSSRG	TGGRNYRM	121
Trout Q02815	RSVRAQRHTDMPRTPEVHQKNSSRG	TGGRNYRM	119
Halibut CAA09267.1	RSVRAQRHTDMPRAPKEVHQKNSSRG	TGGRNYRM	122
Catfish AAQ56592.1	RSVREQRHTDTPKTPEVHQKNSSRG	TGGRNYRM	123
Carp AAY21902.1	RSIRAQRHTDSPKTAKEVHQKNSSRG	TGGRNYRM	124
Carp AAP78926.1	RSVRAQRHTDSPRTAKEVHQKNSSRG	TGGRNYRI	125
GiantDanio ABB05519.1	RSIRAQRHTDIPRTAKEVHQKNSSRG	TGGRNYRM	126
Zebrafish NP_571900.1	RSIRAQRHTDIPRTPEVHQKNSSRG	TGGRNYRM	127
Chinese sucker ABH12114.1	RSIRAQRHTDIPRTPEVHQKNSSRG	TGGRNYRM	128
SpinyBarbus ABE03747.1	RSIRAQRHTDSPRTAKEVHQKNSSRG	TGGRNYRI	129
FatheadMinnow AAT02176.1	RSIRAQRHTDIPRTAKEVHQKNSSRG	TGGRNYRM	130
GoldFish AAC83443.1	RSIRAQRHTDIPRTAKEVHQKNSSRG	TGGRNYRM	131
Frog AAA70330.1	RSVRAQRHTDMPKAQKEVHPKNTSRG	TGSGRFM	132
Bream AAK16727.1	RSIRAQRHTDIPRTAKEVHQKNSSRG	TGGRNYRI	133
Frog 1a P16501	RSVRTQRHTDMPKAQKEVHPKNTSRG	TGSGRFM	134

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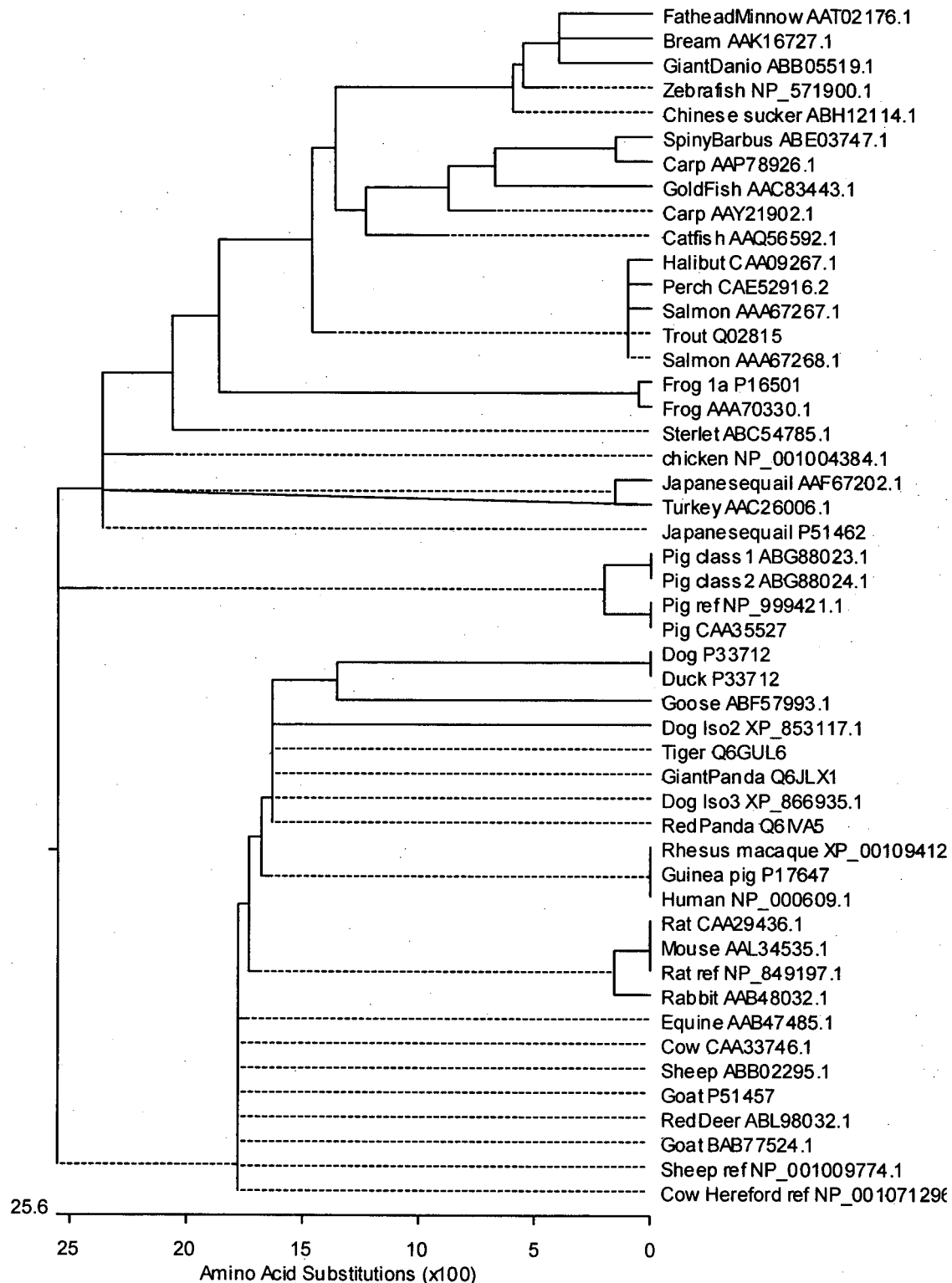
Fig. 8B

Fig. 9A

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               | 10      20      30      40      50      60      70      |
               +-----+-----+-----+-----+-----+-----+
human Eb      -----RSVRAQRHTDMPKTQKYQPPSTNKNKTSQRR-KGWPKTHPGGEQKEGTEASLQIRGKKKEQRREIGSRNAECRGKK
Human P05019  -----RSVRAQRHTDMPKTQKYQPPSTNKNKTSQRR-KGWPKTHPGGEQKEGTEASLQIRGKKKEQRREIGSRNAECRGKK
Pig AAT47735.1 -----RSVRAQRHTDMPKAQKYQPPSTNKKTKSQRKKGS--TFEEHK
Cow India AAU93628.1 -----YQPPSTNKKMKSQRRKGGPKKRPGEQKE
Cattle AAA03497.1 HAQSGEGKPARGGEGRPSSYQPPSTNKKMKSQRRKGGPKKRPGEQKE
Water Buffalo AAU93630.1 -----YQPPSTNKKMKSQRRKGGPKKHPGEQKE
Sheep AAU93626.1 -----YQLPSTNKKMKSQRRKGGPKKHPGEQKE
Dog XP_866946.1 -----RSVRAQRHTDMPKAQKYHPPSTTKRMKSQRKKGS--TFEECK
Rabbit Q95222 -----RSVRAQRHTDMPKTQKYQPPSTNKKMKSQRRKGS--TFEEHK
Chimpanzee XP_001156459.1 -----RSVRAQRHTDMPKTQKYQPPSTNKNKTSQRKKGGPKTHPGGEQKEGTEASLQIRGKKKEQRREIGSRNAECRGKK
Rhesus monkey XP_001093911.1 -----RSVRAQRHTDMPKTQKYQPPSTNKNKTSQRKKGGPKTHPGGEQKEGTEASLQIRGKKKEQRREIGSRNAECRGKK
Mouse NP_908941.1 -----RSIRAQRHTDMPKTQKSPSLSTNKKTKLQRRKGEKPKTHPEGEQEEVTEATRKIRGPREKRLG
Rat AAA41214.1 -----RSIRAQRHTDMPKTQKSPSLSTNKKTKLQRRKGS--TFEEHK
Mouse AAX61180.1 -----RSIRAQRHTDMPKTQKSPSLSTNKKTKLQRRKGS--TFEEHK

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SEQ ID NO

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Majority      -----135
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Human P05019  GK      3
Pig AAT47735.1      136
Cow India AAU93628.1      137
Cattle AAA03497.1      138
Water Buffalo AAU93630.1      139
Sheep AAU93626.1      140
Dog XP_866946.1      141
Rabbit Q95222      142
Chimpanzee XP_001156459.1 GK 143
Rhesus monkey XP_001093911.1 GKWRTGGLSRQRQG 144
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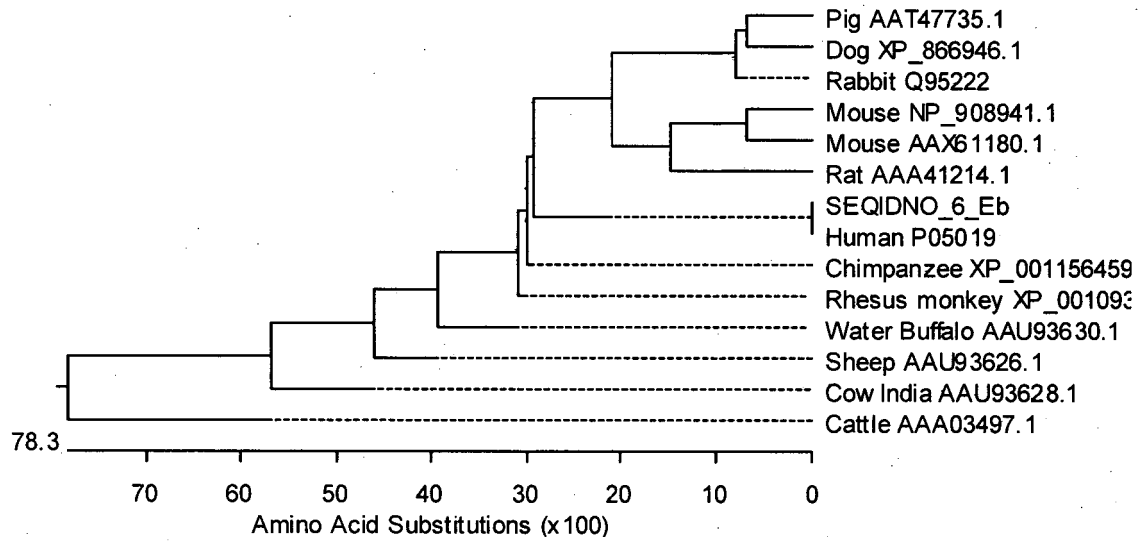
Fig. 9B

Fig. 10A

		SEQ ID NO
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	10 20 30 40	
	-----+-----+-----+-----+	
human Ec	RSVRAQRHTDMPKTQKYQPPSTNKNKTSQRR-KGSTFEERK	4
Human EAW97695.1	RSVRAQRHTDMPKTQKYQPPSTNKNKTSQRR-KGSTFEER	149
Human AAA96152.1	RSVRAQRHTDMPKTQKYQPPSTNKNKTSQRR-KGSTFEER	149
Pig AAT47735.1	RSVRAQRHTDMPKAQKYQPPSTNKKTKSQRRLKGSTFEEH	150
Dog Ib XP_866946.1	RSVRAQRHTDMPKAQKYHPPSTTKRMKSQRRLKGSTFEEC	151
Rabbit Q95222	RSVRAQRHTDMPKTQKYQPPSTNKKMKSQRRRLKGSTFEEH	152
Rhesus monkey XP_001094016.1	RSVRAQRHTDMPKTQKYQPPSTNKNKTSQRRLKGSTFEER	153
Mouse Ib AAX61180.1	RSIRAQRHTDMPKTQKSPSLSTNKKTKLQRRRLKGSTFEEH	154
Mouse Isol NP_034642.1	RSIRAQRHTDMPKTQKSPSLSTNKKTKLQRRRLKGSTFEEH	154
Rat Ib A40912	RSIRAQRHTDMPKTQKSQLSTHKKRKLQRRRLKGSTLEEH	155
Rat Ib A26859	RSIRAQRHTDMPKTQKSQLSTHKKRKLQRRRLKGSTLEEH	155

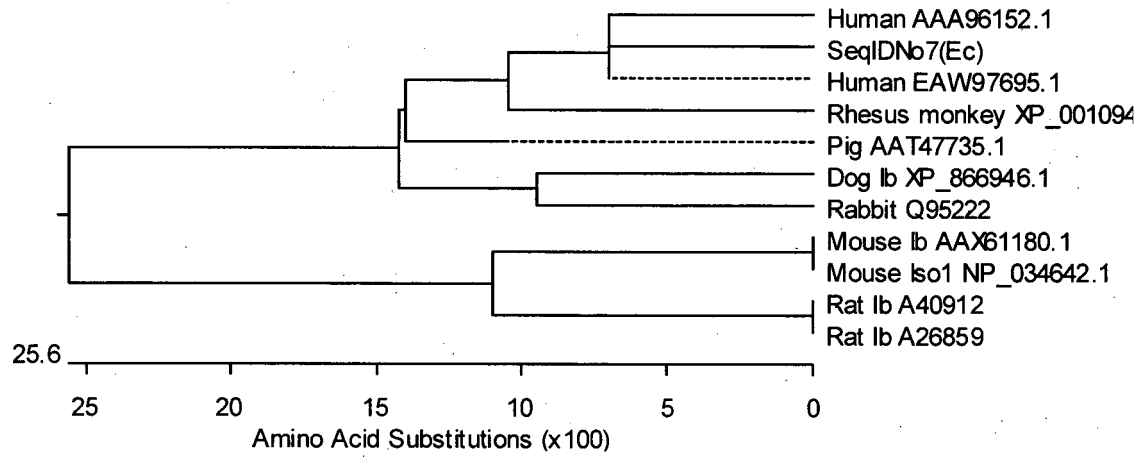
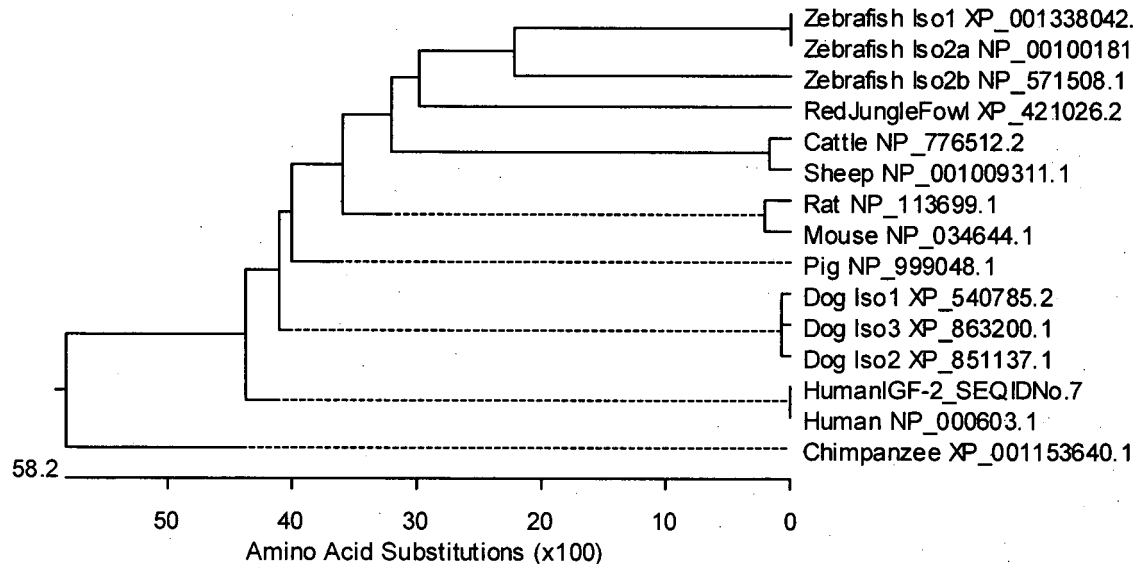
Fig. 10B

Fig. 11A

Majority	AYRPSETLCGGELVDTLQFVCGDRGFYFS	RPAS-RVNRRS	RGVIEECCFRSCDLALLETYCATPAK
	102030	405060	
Human IGF-2	AYRPSETLCGGELVDTLQFVCGDRGFYFSRP	AS	RVSRRS
Human NP_000603.1	AYRPSETLCGGELVDTLQFVCGDRGFYFSRP	AS	RVSRRS
Pig NP_999048.1	AYRPSETLCGGELVDTLQFVCGDRGFYFS	RPAS	RVNRRS
Cattle NP_776512.2	AYRPSETLCGGELVDTLQFVCGDRGFYFS	RPSS	RINRRS
Sheep NP_001009311.1	AYRPSETLCGGELVDTLQFVCGDRGFYFS	RPSS	RINRRS
Dog Iso1 XP_540785.2	AYRPSETLCGGELVDTLQFVCGDRGFYFS	RPAS	RVTRRSS
Dog Iso2 XP_851137.1	AYRPSETLCGGELVDTLQFVCGDRGFYFS	RPAS	RVTRRSS
Dog Iso3 XP_863200.1	AYRPSETLCGGELVDTLQFVCGDRGFYFS	RPAS	RVTRRSS
RedJungleFowl XP_421026.2	AYRPSETLCGGELVDTLQFVCGDRGFYFS	RPVQ	RNNRRIN
Rat NP_113699.1	AYRPSETLCGGELVDTLQFVCGDRGFYFS	RPSS	RANRRS
Mouse NP_034644.1	AYRPSETLCGGELVDTLQFVCGDRGFYFS	RPSS	RANRRS
Chimpanzee XP_001153640.1	AYRPSETLCGGELVDTLQFVCGDRGFYFSKA	STPA	AFPI
Zebrafish Iso1 XP_001338042.1	EVA	SAETLCGGELVDALQFVCE	DRGFYFS
Zebrafish Iso2a NP_001001815.1	EVA	SAETLCGGELVDALQFVCE	DRGFYFS
Zebrafish Iso2b NP_571508.1	NVTAGETLCGGELVDTLQFVCGEDGFYIS	RPN	RSNSRRPQ

Majority	SERDVSTP	PTVLPDNFPRYPVGKFFQYDWTW	QKSAQRLRRGLPALLRARRGRMLAKELEAFREAKR	HRPLI
	708090100110120130			
Human IGF-2	SERDVSTP	PTVLPDNFPRYPVGKFFQYDWTW	QKSTQRLRRGLPALLRARRGHVLAKELEAFREAKR	HRPLI
Human NP_000603.1	SERDVSTP	PTVLPDNFPRYPVGKFFQYDWTW	QKSTQRLRRGLPALLRARRGHVLAKELEAFREAKR	HRPLI
Pig NP_999048.1	SERDVSTP	PTVLPDNFPRYPVGKFFQYDWTW	QKSAQRLRRGLPALLRARRGRMLAKELEAVREAKR	HRPLI
Cattle NP_776512.2	SERDVSTP	TTVLPDDVTA	YPVGKFFQYDIW	QKSTQRLRRGLPAFLRARRGRMLAKELEALREAKS
Sheep NP_001009311.1	SERDVSTP	TTVLPDDVTA	YPVGKFFQYDWTW	QKSTQRLRRGLPAFLRARRGRMLAKELEALREAKS
Dog Iso1 XP_540785.2	SERDVSTP	PTVLPDNFPRYPVGKFFQYDWTW	QKSAQRLRRGLPALLRARRGRMLAKELEAFREAKR	HRPLI
Dog Iso2 XP_851137.1	SERDVSTP	PTVLPDNFPRYPVGKFFQYDWTW	QKSAQRLRRGLPALLRARRGRMLAKELEAFREAKR	HRPLI
Dog Iso3 XP_863200.1	SERDVSTP	PTVLPDNFPRYPVGKFFQYDWTW	QKSAQRLRRGLPALLRARRGRMLAKELEAFREAKR	HRPLI
RedJungleFowl XP_421026.2	SERDVSTP	PTVLPDNFPRYPVGKFFQYDWTW	QKSAQRLRRGLPALLRARRGRMLAKELEAFREAKR	HRPLI
Rat NP_113699.1	SERDVSTP	PTVLPDNFPRYPVGKFFQYDWTW	QKSAQRLRRGLPALLRARRGRMLAKELEAFREAKR	HRPLI
Mouse NP_034644.1	SERDVSTP	PTVLPDNFPRYPVGKFFQYDWTW	QKSAQRLRRGLPALLRARRGRMLAKELEAFREAKR	HRPLI
Chimpanzee XP_001153640.1	SERDVSTP	PTVLPDNFPRYPVGKFFQYDWTW	QKSAQRLRRGLPALLRARRGRMLAKELEAFREAKR	HRPLI
Zebrafish Iso1 XP_001338042.1	SERDVSTP	PTVLPDNFPRYPVGKFFQYDWTW	QKSAQRLRRGLPALLRARRGRMLAKELEAFREAKR	HRPLI
Zebrafish Iso2a NP_001001815.1	SERDVSTP	PTVLPDNFPRYPVGKFFQYDWTW	QKSAQRLRRGLPALLRARRGRMLAKELEAFREAKR	HRPLI
Zebrafish Iso2b NP_571508.1	SERDVSTP	PTVLPDNFPRYPVGKFFQYDWTW	QKSAQRLRRGLPALLRARRGRMLAKELEAFREAKR	HRPLI

Majority	ALPTQDPA-HGGASPEASSNRK	---	156
	140150		
Human IGF-2	ALPTQDPA-HGGAPPEMASNRKAYR	7	
Human NP_000603.1	ALPTQDPA-HGGAPPEMASNRK	157	
Pig NP_999048.1	ARPTRDPAHGGASPEASGHRK	158	
Cattle NP_776512.2	ALPTQDPAHGGASPEASSSD	159	
Sheep NP_001009311.1	ALPTQDPAHGGASPEASSD	160	
Dog Iso1 XP_540785.2	ALPTQDPAHGGASPEASGNQK	161	
Dog Iso2 XP_851137.1	ALPTQDPAHGGASPEASGNQK	162	
Dog Iso3 XP_863200.1	ALPTQDPAHGGASPEASGNQK	163	
RedJungleFowl XP_421026.2	SLPSQRPFP-APRASPEATGPQE	164	
Rat NP_113699.1	VLPFKDPA-HGGASPEASSNHQ	165	
Mouse NP_034644.1	VLPFKDPA-HGGASPEASSNHQ	166	
Chimpanzee XP_001153640.1	ALPTQDPA-HGGAPPEMASNRK	167	
Zebrafish Iso1 XP_001338042.1	TLPSKLPF--ILLPTENVVSHK	168	
Zebrafish Iso2a NP_001001815.1	TLPSKLPF--ILLPTENVVSHK	169	
Zebrafish Iso2b NP_571508.1	TLPSKLPF--ILLPTENVVSHK	168	

Fig. 11B

SEQ ID NO

Majority	PTQDPA-HGGASPEASSNRK	170
	140	150
	PTQDPA-HGGAPPEMASNRK	6
Human IGF-2	PTQDPA-HGGAPPEMASNRK	6
Human NP_000603.1	PTQDPA-HGGAPPEMASNRK	6
Pig NP_999048.1	PTDRPAAHGGASPEASGHRK	171
Cattle NP_776512.2	PTQDPATHGGASSKASDD	172
Sheep NP_001009311.1	PTQDPATHGGASSEASSD	173
Dog Iso1 XP_540785.2	PTHDPATHGGASPEASGNQK	174
Dog Iso2 XP_851137.1	PTHDPATHGGASPEASGNK	174
Dog Iso3 XP_863200.1	PTHDPATHGGASPEASGNQK	174
RedJungleFowl XP_421026.2	PSQRPP-APRASPEATGPQE	175
Rat NP_113699.1	PKPDPA-HGGASSESSNNHQ	176
Mouse NP_034644.1	PKPDPA-HGGASSESSNNHQ	177
Chimpanzee XP_001153640.1	PTQDPA-HGGAPPEMASNRK	178
Zebrafish Iso1 XP_001338042.1	PSKLPP--ILLPTENYVSHK	179
Zebrafish Iso2a NP_001001815.1	PSKLPP--ILLPTENYVSHK	179
Zebrafish Iso2b NP_571508.1	PNRQPA--IVPHVQ1STRK	180

Fig. 12B