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MTEYKLVVVGAGGVGKSALTIQLIQNHVDEYDPTIE^{ELLS}SYRKQVVIDGETCLLDILDTAGQEEYSAMRDQYMRGTGEGFLCVFAINNTKSFEDIHHYREQIKRVKDSSEVVP

Pocket-Binding	.....GGVGKSA.....FVD.Y.PT.....G.....	14
KRAS-203	MTEYKLVVVGAGGVGKSALTIQLIQNHVDEYDPTIEVLLSSM.....	43
KRAS-207	MTEYKLVVVGAGGVGKSALTIQLIQNHVDEYDPTIEVLLSSM.....	43
KRAS-Canonical	MTEYKLVVVGAGGVGKSALTIQLIQNHVDEYDPTIEDSYRKQVVIDGETCLLDILDTAGQEEYSAMRDQYMRGTGEGFLCVFAINNTKSFEDIHHYREQIKRVKDSSEVVP	110
KRAS-201	MTEYKLVVVGAGGVGKSALTIQLIQNHVDEYDPTIEDSYRKQVVIDGETCLLDILDTAGQEEYSAMRDQYMRGTGEGFLCVFAINNTKSFEDIHHYREQIKRVKDSSEVVP	110
IPR005225	MTEYKLVVVGAGGVGKSALTIQLIQNHVDEYDPTIEDSYRKQVVIDGETCLLDILDTAGQEEYSAMRDQYMRGTGEGFLCVFAINNTKSFEDIHHYREQIKRVKDSSEVVP	110
KRAS-204	MTEYKLVVVGAGGVGKSALTIQLIQNHVDEYDPTIE.....	37
KRAS-214	MTEYKLVVVGAGGVGKSALTIQLIQNHVDEYDPTIE.....EYSAMRDQYMRGTGEGFLCVFAINNTKSFEDIHHYREQIKRVKDSSEVVP	85
KRAS-202	MTEYKLVVVGAGGVGKSALTIQLIQNHVDEYDPTIEDSYRKQVVIDGETCLLDILDTAGQEEYSAMRDQYMRGTGEGFLCVFAINNTKSFEDIHHYREQIKRVKDSSEVVP	110
KRAS-205	MTEYKLVVVGAGGVGKSALTIQLIQNHVDEYDPTIEDSYRKQVVIDGETCLLDILDTAGQEEYSAMRDQYMRGTGEGFLCVFAINNTKSFEDIHHYREQIKRVKDSSEVVP	110
KRAS-210	MTEYKLVVVGAGGVGKSALTIQLIQNHVDEYDPTIEDSYRKQVVIDGETCLLDILDTAGQEEYSAMRDQYMRGTGEGFLCVFAINNTKSFEDIHHYREQIKRVKDSSEVVP	110
KRAS-213	MTEYKLVVVGAGGVGKSALTIQLIQNHVDEYDPTIEDSYRKQVVIDGETCLLDILDTAGQEEYSAMRDQYMRGTGEGFLCVFAINNTKSFEDIHHYREQIKRVKDSSEVVP	44
consensus	*****	

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MVLVGNKCDLPSRTVDTKQAQDLARSYGIPFIETSAKTRQGVDDAFYTLVREIRKHKHEKM^{QYRLK}SKDGKSKTKCVIM^{EEETPGCKTK}

Pocket-Binding	.....NK.DI.....SAK.....	21
KRAS-203	.....	43
KRAS-207	.....	43
KRAS-Canonical	MVLVGNKCDLPSRTVDTKQAQDLARSYGIPFIETSAKTRQGVDDAFYTLVREIRKHKHEKM ^{QYRLK} SKDGKSKTKCVIM ^{EEETPGCKTK}	189
KRAS-201	MVLVGNKCDLPSRTVDTKQAQDLARSYGIPFIETSAKTRQGVDDAFYTLVREIRKHKHEKM ^{QYRLK} SKDGKSKTKCVIM ^{EEETPGCKTK}	189
IPR005225	MVLVGNKCDLPSRTVDTKQAQDLARSYGIPFIETSAKTRQ.....	150
KRAS-204	.....GVDDAFYTLVREIRKHKHEKM.....SKDGKSKTKCVIM	75
KRAS-214	MVLVGNKCDLPSRTVDTKQAQDLARSYGIPFIETSAKTRQGVDDAFYTLVREIRKHKHEKM.....SKDGKSKTKCVIM	163
KRAS-202	MVLVGNKCDLPSRTVDTKQAQDLARSYGIPFIETSAKTRQGVDDAFYTLVREIRKHKHEKM.....SKDGKSKTKCVIM	188
KRAS-205	MVLVGNKCDLPSRTVDTKQAQDLARSYGIPFIETSAKTRQGVDDAFYTLVREIRKHKHEKM.....SKDGKSKTKCVIM	188
KRAS-210	MVLVGNKCDLPSRTVDTKQAQDLARSYGIPFIETSAKTRQGVDDAFYTLVREIRKHKHEKM.....SKDGKSKTKCVIM	188
KRAS-213	MVLVGNKCDLPSRTVDTKQAQDLARSYGIPFIETSAKTRQGVDDAFYTLVREIRKHKHEKM.....SKDGKSKTKCVIM	122
consensus	*****	

non-conserved
 similar
 ≥ 50% conserved

Pocket Binding	.....	0
PF00792	.....	0
PIK3CA-203	MPPRPSSGELWGIHLMPPRILVECLLPNGMIVTLECLREATLITIKHELFFKEARKYPLHQLLQDESSYIFVSVTQEAEREFFDETRRLCDLRLFQPFVKVIEPV	105
PIK3CA-204	MPPRPSSGELWGIHLMPPRIL	21
PF00454	.....	0
PF02192	.....VTLECLREATLITIKHELFFKEARKYPLHQLLQDESSYIFVSVTQEAEREFFDETRRLCDLRLFQPFVKVIEPV	74
PF00794	.....	0
PIK3CA-205	MPPRPSSGELWGIHLMPPRILVECLLPNGMIVTLECLREATLITIKHELFFKEARKYPLHQLLQDESSYIFVSVTQEAEREFFDETRRLCDLRLFQPFVKVIEPV	105
PIK3CA-Canonical	MPPRPSSGELWGIHLMPPRILVECLLPNGMIVTLECLREATLITIKHELFFKEARKYPLHQLLQDESSYIFVSVTQEAEREFFDETRRLCDLRLFQPFVKVIEPV	105
PIK3CA-201	MPPRPSSGELWGIHLMPPRILVECLLPNGMIVTLECLREATLITIKHELFFKEARKYPLHQLLQDESSYIFVSVTQEAEREFFDETRRLCDLRLFQPFVKVIEPV	105
PF00613	.....	0
consensus	*****	

Pocket Binding	.....	0
PF00792	.....	0
PIK3CA-203	GNREEKILNREIG	118
PIK3CA-204	.....	21
PF00454	.....	0
PF02192	GNR	77
PF00794	.....SPELPKHIYNKLDKGQIIIVVIWVIVSPNNDKQKYTLK	37
PIK3CA-205	GNREEKILNREIGFAIGMPVCFDMVKDPEVQDFRRNILNVCKEAVDLRDLNSPHSRAMYVYPPNVESSPELPKHIYNKLDKGQIIIVVIWVIVSPNNDKQKYTLK	210
PIK3CA-Canonical	GNREEKILNREIGFAIGMPVCFDMVKDPEVQDFRRNILNVCKEAVDLRDLNSPHSRAMYVYPPNVESSPELPKHIYNKLDKGQIIIVVIWVIVSPNNDKQKYTLK	210
PIK3CA-201	GNREEKILNREIGFAIGMPVCFDMVKDPEVQDFRRNILNVCKEAVDLRDLNSPHSRAMYVYPPNVESSPELPKHIYNKLDKGQIIIVVIWVIVSPNNDKQKYTLK	210
PF00613	.....	0
consensus	***	

Pocket Binding	.....	0
PF00792	.....	0
PIK3CA-203	.....	118
PIK3CA-204	.....	21
PF00454	.....	0
PF02192	.....	77
PF00794	INHDCVPEQVIAEAIRKKTRSMLLSSEQLKLCVLEYQGKYILKVCGCDEYFLEKYPLSQYKYIRSCIMLGRMPNLMLMAKES	119
PIK3CA-205	INHDCVPEQVIAEAIRKKTRSMLLSSEQLKLCVLEYQGKYILKVCGCDEYFLEKYPLSQYKYIRSCIMLGRMPNLMLMAKESLYQLPMDCFMTPSYSRRISTAT	315
PIK3CA-Canonical	INHDCVPEQVIAEAIRKKTRSMLLSSEQLKLCVLEYQGKYILKVCGCDEYFLEKYPLSQYKYIRSCIMLGRMPNLMLMAKESLYQLPMDCFMTPSYSRRISTAT	315
PIK3CA-201	INHDCVPEQVIAEAIRKKTRSMLLSSEQLKLCVLEYQGKYILKVCGCDEYFLEKYPLSQYKYIRSCIMLGRMPNLMLMAKESLYQLPMDCFMTPSYSRRISTAT	315
PF00613	.....	0
consensus	.....

Pocket Binding	.....	0
PF00792	.....DKIYVRTGI	9
PIK3CA-203	.....	118
PIK3CA-204	.....	21
PF00454	.....	0
PF02192	.....	77
PF00794	.....	119
PIK3CA-205	PYMNGETSTKSLWVINSALRIKILCATYVNVNIRDIDKIYVRTGIYHGGEPLCDNVNTQRVPCSNPRWNEWLNVDIYIPDLPRAARLCLSICSVKGRKGAKEEHC	420
PIK3CA-Canonical	PYMNGETSTKSLWVINSALRIKILCATYVNVNIRDIDKIYVRTGIYHGGEPLCDNVNTQRVPCSNPRWNEWLNVDIYIPDLPRAARLCLSICSVKGRKGAKEEHC	420
PIK3CA-201	PYMNGETSTKSLWVINSALRIKILCATYVNVNIRDIDKIYVRTGIYHGGEPLCDNVNTQRVPCSNPRWNEWLNVDIYIPDLPRAARLCLSICSVKGRKGAKEEHC	420
PF00613	.....	0
consensus	.....

Pocket Binding	.....	0
PF00792	PLAWGNINLFDYTDTLVSGKMALNLWPVPHGLEDLLNPIGVTGSNPKNKETPCLELEFDWFSSV.....	72
PIK3CA-203	.....	118
PIK3CA-204	.....	21
PF00454	.....	0
PF02192	.....	77
PF00794	.....	119
PIK3CA-205	PLAWGNINLFDYTDTLVSGKMALNLWPVPHGLEDLLNPIGVTGSNPKNKETPCLELEFDWFSSVVKFPDMSVIEEHANWSVSREAGFSYSHAGLSNRLARDNELRE	525
PIK3CA-Canonical	PLAWGNINLFDYTDTLVSGKMALNLWPVPHGLEDLLNPIGVTGSNPKNKETPCLELEFDWFSSVVKFPDMSVIEEHANWSVSREAGFSYSHAGLSNRLARDNELRE	525
PIK3CA-201	PLAWGNINLFDYTDTLVSGKMALNLWPVPHGLEDLLNPIGVTGSNPKNKETPCLELEFDWFSSVVKFPDMSVIEEHANWSVSREAGFSYSHAGLSNRLARDNELRE	525
PF00613	.....ELRE	4
consensus	.....

Pocket Binding	.....	0
PF00792	.....	72
PIK3CA-203	.....	118
PIK3CA-204	.....	21
PF00454	.....	0
PF02192	.....	77
PF00794	.....	119
PIK3CA-205	NDKEQLKAISTRDPLSEITEQEKDFLWSHRHYCVTIPEILPKLLLSVKWNSRDEVAQMYCLVKDWPPKPEQAMELLDCNYPDPMVRGFVAVRCLEKYLTDDKLSQ	630
PIK3CA-Canonical	NDKEQLKAISTRDPLSEITEQEKDFLWSHRHYCVTIPEILPKLLLSVKWNSRDEVAQMYCLVKDWPPKPEQAMELLDCNYPDPMVRGFVAVRCLEKYLTDDKLSQ	630
PIK3CA-201	NDKEQLKAISTRDPLSEITEQEKDFLWSHRHYCVTIPEILPKLLLSVKWNSRDEVAQMYCLVKDWPPKPEQAMELLDCNYPDPMVRGFVAVRCLEKYLTDDKLSQ	630
PF00613	NDKEQLKAISTRDPLSEITEQEKDFLWSHRHYCVTIPEILPKLLLSVKWNSRDEVAQMYCLVKDWPPKPEQAMELLDCNYPDPMVRGFVAVRCLEKYLTDDKLSQ	109
consensus	.....

Pocket Binding	.....	0
PF00792	.....	72
PIK3CA-203	.....	118
PIK3CA-204	.....	21
PF00454	.....	0
PF02192	.....	77
PF00794	.....	119
PIK3CA-205	YLIQLVQVLKYEYLDNLLVRFLLKALTNRIGHFFFWHLKSEMHNKTVSQRFGLLLESYCRACGMYLKHLNRQVEAMEKLNLTDLKQEKKDETQKVQMKFL	735
PIK3CA-Canonical	YLIQLVQVLKYEYLDNLLVRFLLKALTNRIGHFFFWHLKSEMHNKTVSQRFGLLLESYCRACGMYLKHLNRQVEAMEKLNLTDLKQEKKDETQKVQMKFL	735
PIK3CA-201	YLIQLVQVLKYEYLDNLLVRFLLKALTNRIGHFFFWHLKSEMHNKTVSQRFGLLLESYCRACGMYLKHLNRQVEAMEKLNLTDLKQEKKDETQKVQMKFL	735
PF00613	YLIQLVQVLKYEYLDNLLVRFLLKALTNRIGHFFFWHLKSEMHNKTVSQRFGLLLESYCRACGMYLKHLNR.....	183
consensus	.....

Pocket Binding	.....M.....P.W.....I.K.....D.....Y.....	7
PF00792	.....	72
PIK3CA-203	.....	118
PIK3CA-204	.....	21
PF00454	.....LWLNWENPDIMSELLFQNNETIFKNGDDLRRQDMLTLQIIRIMENIWQNGGLDLRMLPYGCLS	62
PF02192	.....	77
PF00794	.....	119
PIK3CA-205	VEQMRRPDFMDALQGFLSPLNPAHQGNLRLEECRIMSSAKRPLWLNWENPDIMSELLFQNNETIFKNGDDLRRQDMLTLQIIRIMENIWQNGGLDLRMLPYGCLS	840
PIK3CA-Canonical	VEQMRRPDFMDALQGFLSPLNPAHQGNLRLEECRIMSSAKRPLWLNWENPDIMSELLFQNNETIFKNGDDLRRQDMLTLQIIRIMENIWQNGGLDLRMLPYGCLS	840
PIK3CA-201	VEQMRRPDFMDALQGFLSPLNPAHQGNLRLEECRIMSSAKRPLWLNWENPDIMSELLFQNNETIFKNGDDLRRQDMLTLQIIRIMENIWQNGGLDLRMLPYGCLS	840
PF00613	.....	183
consensus* * * *	

Pocket Binding	.....	I E . V T . . . . .	.....	M F . I D . . . . .	.....	15
PF00792	.....		.....		.....	72
PIK3CA-203	.....		.....		.....	118
PIK3CA-204	.....		.....		.....	21
PF00454	IGDCVGL	I E V R N S H T I M Q I Q C K G G L K G A L Q F N S H T L H Q W L K D K N K G E I Y D A A I D L F T R S C A G Y C V A T F I L G I G D R H N S N I M V K D D G Q L F H I D F G H F L D H K K K K F	.....		.....	167
PF02192	.....		.....		.....	77
PF00794	.....		.....		.....	119
PIK3CA-205	IGDCVGL	I E V R N S H T I M Q I Q C K G G L K G A L Q F N S H T L H Q W L K D K N K G E I Y D A A I D L F T R S C A G Y C V A T F I L G I G D R H N S N I M V K D D G Q L F H I D F G H F L D H K K K K F	.....		.....	945
PIK3CA-Canonical	IGDCVGL	I E V R N S H T I M Q I Q C K G G L K G A L Q F N S H T L H Q W L K D K N K G E I Y D A A I D L F T R S C A G Y C V A T F I L G I G D R H N S N I M V K D D G Q L F H I D F G H F L D H K K K K F	.....		.....	945
PIK3CA-201	IGDCVGL	I E V R N S H T I M Q I Q C K G G L K G A L Q F N S H T L H Q W L K D K N K G E I Y D A A I D L F T R S C A G Y C V A T F I L G I G D R H N S N I M V K D D G Q L F H I D F G H F L D H K K K K F	.....		.....	945
PF00613	.....		.....		.....	183
consensus		** * *		* * **		

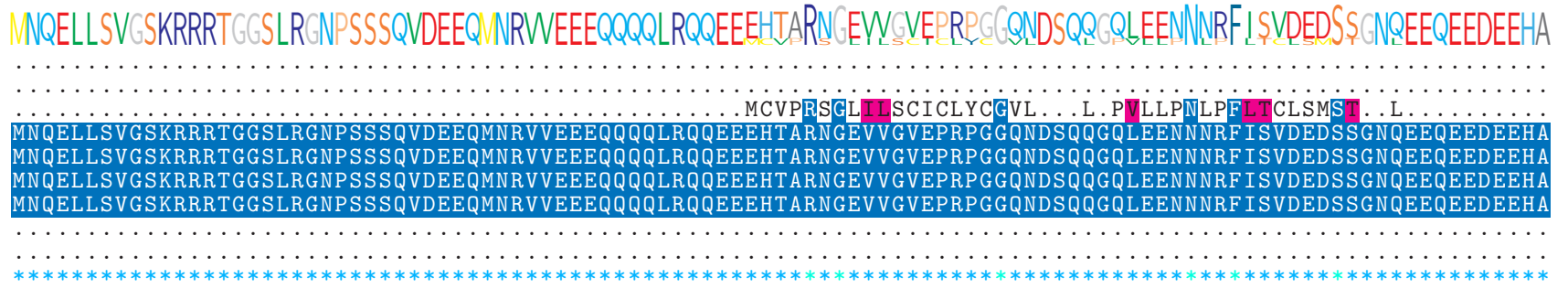
Pocket Binding	.....		.....		.....	15
PF00792	.....		.....		.....	72
PIK3CA-203	.....		.....		.....	118
PIK3CA-204	.....		.....		.....	21
PF00454	GYKRERVPFVLTQDFLIVISKGAQECTKTREFERFQEMCYKAYLAIRQHANLFINLFSMMLGSGMPELQ	.....			.....	236
PF02192	.....		.....		.....	77
PF00794	.....		.....		.....	119
PIK3CA-205	GYKRERVPFVLTQDFLIVISKGAQECTKTREFESSQGECFQLFPIQYDIGRGFVT	.....			.....	1000
PIK3CA-Canonical	GYKRERVPFVLTQDFLIVISKGAQECTKTREFERFQEMCYKAYLAIRQHANLFINLFSMMLGSGMPELQSFDDIAYIRKTLALDKTEQEALEYFMKQMNDAAHGG	.....			.....	1050
PIK3CA-201	GYKRERVPFVLTQDFLIVISKGAQECTKTREFERFQEMCYKAYLAIRQHANLFINLFSMMLGSGMPELQSFDDIAYIRKTLALDKTEQEALEYFMKQMNDAAHGG	.....			.....	1050
PF00613	.....		.....		.....	183
consensus						

Pocket Binding	.....	15
PF00792	.....	72
PIK3CA-203	.....	118
PIK3CA-204	.....	21
PF00454	.....	236
PF02192	.....	77
PF00794	.....	119
PIK3CA-205	.....	1000
PIK3CA-Canonical	WTTKMDWIFHTIKQHALN	1068
PIK3CA-201	WTTKMDWIFHTIKQHALN	1068
PF00613	183
consensus		

non-conserved
 ≥ 50% conserved

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logo

CRYWRILAEDNLLWREKCKEEGIDEPLHIKRRKVIKPGFIHSPWKSAYIRQHRIDTNWRRGELKSPKVLKGHDDHVIITCLQFCGNRIVSGSDDNTLKVWSAVTGK

Pocket-Binding
FBXW7-202
FBXW7-203
FBXW7-Canonical
FBXW7-201
FBXW7-204
FBXW7-206
IPR001810
PF12937
consensus

CRYWRILAEDNLLWREKCKEEGIDEPLHIKRRKVIKPGFIHSPWKSAYIRQHRIDTNWRRGELKSPKVLKGHDDHVIITCLQFCGNRIVSGSDDNTLKVWSAVTGK
CRYWRILAEDNLLWREKCKEEGIDEPLHIKRRKVIKPGFIHSPWKSAYIRQHRIDTNWRRGELKSPKVLKGHDDHVIITCLQFCGNRIVSGSDDNTLKVWSAVTGK
CRYWRILAEDNLLWREKCKEEGIDEPLHIKRRKVIKPGFIHSPWKSAYIRQHRIDTNWRRGELKSPKVLKGHDDHVIITCLQFCGNRIVSGSDDNTLKVWSAVTGK
CRYWRILAEDNLLWREKCKEEGIDEPLHIKRRKVIKPGFIHSPWKSAYIRQHRIDTNWRRGELKSPKVLKGHDDHVIITCLQFCGNRIVSGSDDNTLKVWSAVTGK
CRYWRILAEDNLLWREKCKEEGIDEPLHIKRRKVIKPGFIHSPWKSAYIRQHRIDTNWRRGELKSPKVLKGHDDHVIITCLQFCGNRIVSGSDDNTLKVWSAVTGK
CRYWRILAEDNLLWREKCKEEGIDEPLHIKRRKVIKPGFIHSPWKSAYIRQHRIDTNWRRGELKSPKVLKGHDDHVIITCLQFCGNRIVSGSDDNTLKVWSAVTGK
CRYWRILAEDNLLWREKCKEEGIDEPLHIKRRKVIKPGFIHSPWKSAYIRQHRIDTNWRRGELKSPKVLKGHDDHVIITCLQFCGNRIVSGSDDNTLKVWSAVTGK
CRYWRILAEDNLLWREKCKEEGIDEPLHIKRRKVIKPGFIHSPWKSAYIRQHRIDTNWRRGELKSPKVLKGHDDHVIITCLQFCGNRIVSGSDDNTLKVWSAVTGK
CRYWRILAEDNLLWREKCKEEGIDEPLHIKRRKVIKPGFIHSPWKSAYIRQHRIDTNWRRGELKSPKVLKGHDDHVIITCLQFCGNRIVSGSDDNTLKVWSAVTGK
CRYWRILAEDNLLWREKCKEEGIDEPLHIKRRKVIKPGFIHSPWKSAYIRQHRIDTNWRRGELKSPKVLKGHDDHVIITCLQFCGNRIVSGSDDNTLKVWSAVTGK

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logo

CLRTL VGHTGGVWSSQMRDNIISGSTDRTLKVVNAETGECIHTLYGHTSTVRCMHLHEKRVVSGSRDATLRVWDIETGQCLHVL MGHVAAVRCVQYD GRRV VSG

Pocket-Binding
FBXW7-202
FBXW7-203
FBXW7-Canonical
FBXW7-201
FBXW7-204
FBXW7-206
IPR001810
PF12937
consensus

CLRTL VGHTGGVWSSQMRDNIISGSTDRTLKVVNAETGECIHTLYGHTSTVRCMHLHEKRVVSGSRDATLRVWDIETGQCLHVL MGHVAAVRCVQYD GRRV VSG
CLRTL VGHTGGVWSSQMRDNIISGSTDRTLKVVNAETGECIHTLYGHTSTVRCMHLHEKRVVSGSRDATLRVWDIETGQCLHVL MGHVAAVRCVQYD GRRV VSG
CLRTL VGHTGGVWSSQMRDNIISGSTDRTLKVVNAETGECIHTLYGHTSTVRCMHLHEKRVVSGSRDATLRVWDIETGQCLHVL MGHVAAVRCVQYD GRRV VSG
CLRTL VGHTGGVWSSQMRDNIISGSTDRTLKVVNAETGECIHTLYGHTSTVRCMHLHEKRVVSGSRDATLRVWDIETGQCLHVL MGHVAAVRCVQYD GRRV VSG
CLRTL VGHTGGVWSSQMRDNIISGSTDRTLKVVNAETGECIHTLYGHTSTVRCMHLHEKRVVSGSRDATLRVWDIETGQCLHVL MGHVAAVRCVQYD GRRV VSG
CLRTL VGHTGGVWSSQMRDNIISGSTDRTLKVVNAETGECIHTLYGHTSTVRCMHLHEKRVVSGSRDATLRVWDIETGQCLHVL MGHVAAVRCVQYD GRRV VSG
CLRTL VGHTGGVWSSQMRDNIISGSTDRTLKVVNAETGECIHTLYGHTSTVRCMHLHEKRVVSGSRDATLRVWDIETGQCLHVL MGHVAAVRCVQYD GRRV VSG
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CLRTL VGHTGGVWSSQMRDNIISGSTDRTLKVVNAETGECIHTLYGHTSTVRCMHLHEKRVVSGSRDATLRVWDIETGQCLHVL MGHVAAVRCVQYD GRRV VSG
CLRTL VGHTGGVWSSQMRDNIISGSTDRTLKVVNAETGECIHTLYGHTSTVRCMHLHEKRVVSGSRDATLRVWDIETGQCLHVL MGHVAAVRCVQYD GRRV VSG

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517
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logo

AYDFMVKVWDPETETCLHTLQGHTNRVYSLQFDGIHVVSGSLDTSIRVWDVETGNCIHTLTGHQSLTSGMELKDNILVSGNADSTVKIWDIKTGQCLQTLQGP NK

Pocket-Binding
FBXW7-202
FBXW7-203
FBXW7-Canonical
FBXW7-201
FBXW7-204
FBXW7-206
IPR001810
PF12937
consensus

AYDFMVKVWDPETETCLHTLQGHTNRVYSLQFDGIHVVSGSLDTSIRVWDVETGNCIHTLTGHQSLTSGMELKDNILVSGNADSTVKIWDIKTGQCLQTLQGP NK
AYDFMVKVWDPETETCLHTLQGHTNRVYSLQFDGIHVVSGSLDTSIRVWDVETGNCIHTLTGHQSLTSGMELKDNILVSGNADSTVKIWDIKTGQCLQTLQGP NK
AYDFMVKVWDPETETCLHTLQGHTNRVYSLQFDGIHVVSGSLDTSIRVWDVETGNCIHTLTGHQSLTSGMELKDNILVSGNADSTVKIWDIKTGQCLQTLQGP NK
AYDFMVKVWDPETETCLHTLQGHTNRVYSLQFDGIHVVSGSLDTSIRVWDVETGNCIHTLTGHQSLTSGMELKDNILVSGNADSTVKIWDIKTGQCLQTLQGP NK
AYDFMVKVWDPETETCLHTLQGHTNRVYSLQFDGIHVVSGSLDTSIRVWDVETGNCIHTLTGHQSLTSGMELKDNILVSGNADSTVKIWDIKTGQCLQTLQGP NK
AYDFMVKVWDPETETCLHTLQGHTNRVYSLQFDGIHVVSGSLDTSIRVWDVETGNCIHTLTGHQSLTSGMELKDNILVSGNADSTVKIWDIKTGQCLQTLQGP NK
AYDFMVKVWDPETETCLHTLQGHTNRVYSLQFDGIHVVSGSLDTSIRVWDVETGNCIHTLTGHQSLTSGMELKDNILVSGNADSTVKIWDIKTGQCLQTLQGP NK
AYDFMVKVWDPETETCLHTLQGHTNRVYSLQFDGIHVVSGSLDTSIRVWDVETGNCIHTLTGHQSLTSGMELKDNILVSGNADSTVKIWDIKTGQCLQTLQGP NK
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AYDFMVKVWDPETETCLHTLQGHTNRVYSLQFDGIHVVSGSLDTSIRVWDVETGNCIHTLTGHQSLTSGMELKDNILVSGNADSTVKIWDIKTGQCLQTLQGP NK

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45




logo

HQSAVTC LQFNKNFVITSSDDGT VKLWDLK TGEFIRNLVTLES GSGGVVWRIRASNTKLVCAVGS R NGTEETKLLV LDFD VDMK

Pocket-Binding
FBXW7-202
FBXW7-203
FBXW7-Canonical
FBXW7-201
FBXW7-204
FBXW7-206
IPR001810
PF12937
consensus

HQSAVTC LQFNKNFVITSSDDGT VKLWDLK TGEFIRNLVTLES GSGGVVWRIRASNTKLVCAVGS R NGTEETKLLV LDFD VDMK
HQSAVTC LQFNKNFVITSSDDGT VKLWDLK TGEFIRNLVTLES GSGGVVWRIRASNTKLVCAVGS R NGTEETKLLV LDFD VDMK
HQSAVTC LQFNKNFVITSSDDGT VKLWDLK TGEFIRNLVTLES GSGGVVWRIRASNTKLVCAVGS R NGTEETKLLV LDFD VDMK
HQSAVTC LQFNKNFVITSSDDGT VKLWDLK TGEFIRNLVTLES GSGGVVWRIRASNTKLVCAVGS R NGTEETKLLV LDFD VDMK
HQSAVTC LQFNKNFVITSSDDGT VKLWDLK TGEFIRNLVTLES GSGGVVWRIRASNTKLVCAVGS R NGTEETKLLV LDFD VDMK
HQSAVTC LQFNKNFVITSSDDGT VKLWDLK TGEFIRNLVTLES GSGGVVWRIRASNTKLVCAVGS R NGTEETKLLV LDFD VDMK
HQSAVTC LQFNKNFVITSSDDGT VKLWDLK TGEFIRNLVTLES GSGGVVWRIRASNTKLVCAVGS R NGTEETKLLV LDFD VDMK
HQSAVTC LQFNKNFVITSSDDGT VKLWDLK TGEFIRNLVTLES GSGGVVWRIRASNTKLVCAVGS R NGTEETKLLV LDFD VDMK
HQSAVTC LQFNKNFVITSSDDGT VKLWDLK TGEFIRNLVTLES GSGGVVWRIRASNTKLVCAVGS R NGTEETKLLV LDFD VDMK
HQSAVTC LQFNKNFVITSSDDGT VKLWDLK TGEFIRNLVTLES GSGGVVWRIRASNTKLVCAVGS R NGTEETKLLV LDFD VDMK
HQSAVTC LQFNKNFVITSSDDGT VKLWDLK TGEFIRNLVTLES GSGGVVWRIRASNTKLVCAVGS R NGTEETKLLV LDFD VDMK

8
589
627
707
707
707
707
707
48
45

 non-conserved
 similar
 $\geq 50\%$ conserved

@
@
@

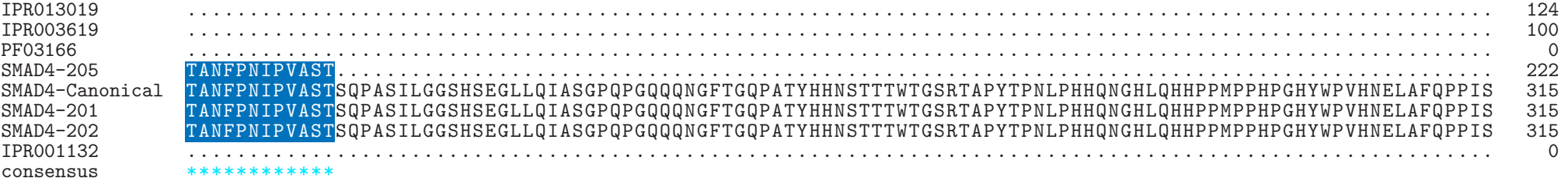
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logo



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logo



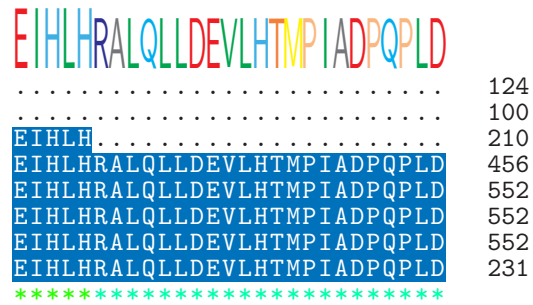
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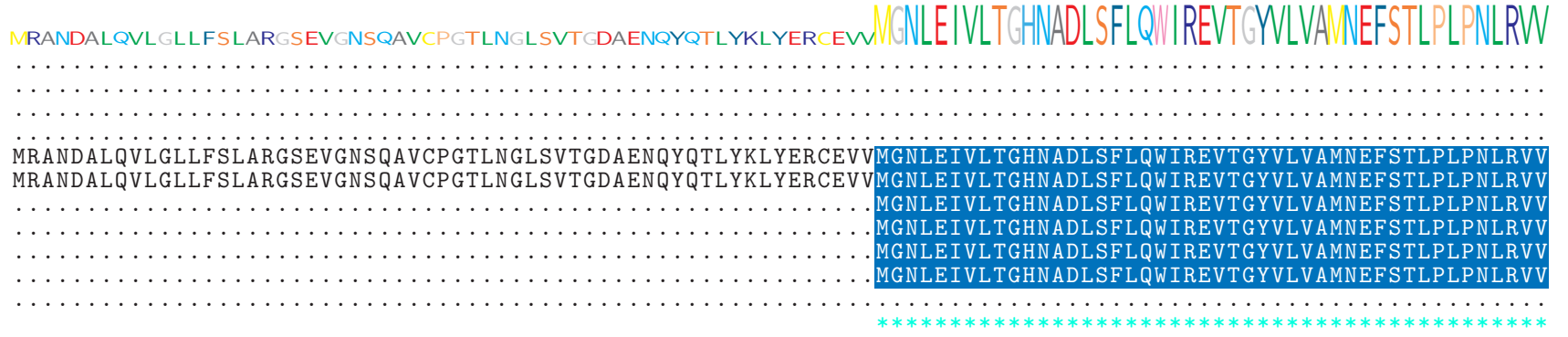
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- non-conserved
- similar
- ≥ 50% conserved

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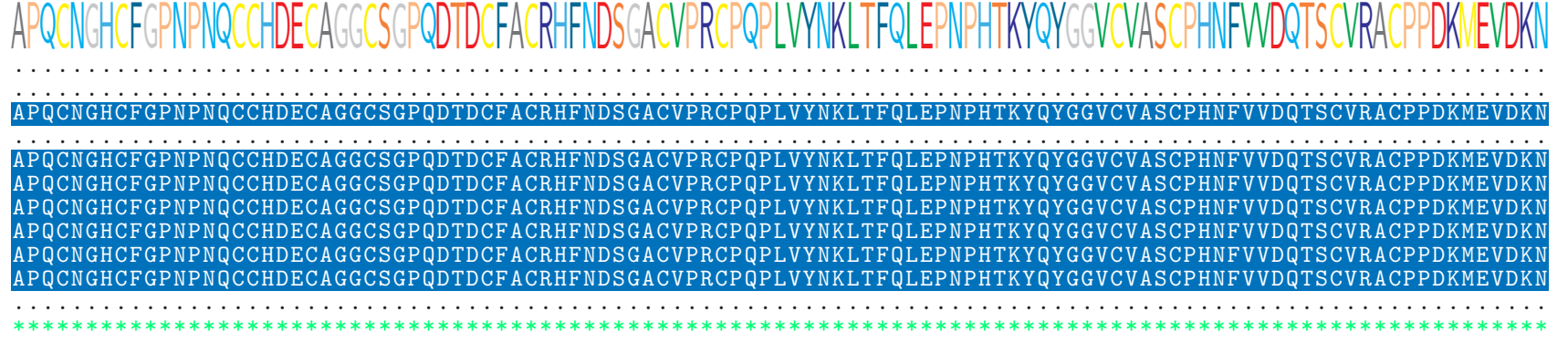
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ERBB3-213	0
ERBB3-214	0
IPR006211	GLKMCEPCGGLCPKACE.....	150
IPR032778	0
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ERBB3-201	GLKMCEPCGGLCPKACEGTGSGSRFQTVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPPHMHNFVFSNLTTIGG	420
ERBB3-230	GLKMCEPCGGLCPKACEGTGSGSRFQTVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPPHMHNFVFSNLTTIGG	361
ERBB3-228	GLKMCEPCGGLCPKACEGTGSGSRFQTVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPPHMHNFVFSNLTTIGG	361
ERBB3-227	GLKMCEPCGGLCPKACEGTGSGSRFQTVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPPHMHNFVFSNLTTIGG	361
ERBB3-203	GLKMCEPCGGLCPKACEGTGSGSRFQTVDSSNIDGFVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPPHMHNFVFSNLTTIGG	361
IPR000494	.....G FVNCTKILGNLDFLITGLNGDPWHKIPALDPEKLNVFRTVREITGYLNIQSWPPHMHNFVFSNLTTIGG	71
consensus	*****	

logo

RSLYNRGFSLLIMKNLNVTSLGFRSLKEISAGRIYISANRQLCYHHSNLNWTKVLRGPTTEERLDIKHNRPRRDCVAEGKVCDP LCSSGGCWGPGPGQCLSCRNYSR

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ERBB3-214CLSCRNYSR	9
IPR006211CDP LCSSGGCWGPGPGQCLSCRNYSR	150
IPR032778CDP LCSSGGCWGPGPGQCLSCRNYSR	26
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ERBB3-230	RSLYNRGFSLLIMKNLNVTSLGFRSLKEISAGRIYISANRQLCYHHSNLNWTKVLRGPTTEERLDIKHNRPRRDCVAEGKVCDP LCSSGGCWGPGPGQCLSCRNYSR	466
ERBB3-228	RSLYNRGFSLLIMKNLNVTSLGFRSLKEISAGRIYISANRQLCYHHSNLNWTKVLRGPTTEERLDIKHNRPRRDCVAEGKVCDP LCSSGGCWGPGPGQCLSCRNYSR	466
ERBB3-227	RSLYNRGFSLLIMKNLNVTSLGFRSLKEISAGRIYISANRQLCYHHSNLNWTKVLRGPTTEERLDIKHNRPRRDCVAEGKVCDP LCSSGGCWGPGPGQCLSCRNYSR	466
ERBB3-203	RSLYNRGFSLLIMKNLNVTSLGFRSLKEISAGRIYISANRQLCYHHSNLNWTKVLRGPTTEERLDIKHNRPRRDCVAEGKVCDP LCSSGGCWGPGPGQCLSCRNYSR	466
IPR000494	RSLYNRGFSLLIMKNLNVTSLGFRSLKEISAGRIYISANRQLCYHHSNLNWTKVLRGPTTEERLDIKHNRPRRDCVAEGKVCDP LCSSGGCWGPGPGQCLSCRNYSR	121
consensus	*****	

logo

GGVCVTHCNFLNGEPREFAHEAECF SCHPECPMEGTATCNGSGSDTCAQCAHFRDGP HCVSSCPHGVLGAKGPIYKYPDVQNECRPCHENCTQGCKGPELQDCL

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IPR006211	150
IPR032778	GGVCVTHCNFLNGEPREFAHEAECF SCHPECPMEGTATCNGSGSDTCAQCAHFRDGP HCVSSCPHGVLGAKGPIYKYPDVQNECRPCHENCTQGCKGPELQDCL	130
ERBB3-Canonical	GGVCVTHCNFLNGEPREFAHEAECF SCHPECPMEGTATCNGSGSDTCAQCAHFRDGP HCVSSCPHGVLGAKGPIYKYPDVQNECRPCHENCTQGCKGPELQDCL	630
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ERBB3-228	GGVCVTHCNFLNGEPREFAHEAECF SCHPECPMEGTATCNGSGSDTCAQCAHFRDGP HCVSSCPHGVLGAKGPIYKYPDVQNECRPCHENCTQGCKGPELQDCL	571
ERBB3-227	GGVCVTHCNFLNGEPREFAHEAECF SCHPECPMEGTATCNGSGSDTCAQCAHFRDGP HCVSSCPHGVLGAKGPIYKYPDVQNECRPCHENCTQGCKGPELQDCL	571
ERBB3-203	GGVCVTHCNFLNGEPREFAHEAECF SCHPECPMEGTATCNGSGSDTCAQCAHFRDGP HCVSSCPHGVLGAKGPIYKYPDVQNECRPCHENCTQGCKGPELQDCL	571
IPR000494	121
consensus	*****	

logo

QQTLVLI GKTHLTMALTVIAGLWVIFMMLGGTFLYWRGRRIQNKRAMRRYLERGESIEPLDPSEKANKVLARIFKETELRKLKVLGSGVFGTVHKGWV IPEGESI

ERBB3-213	0
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IPR006211	150
IPR032778	130
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ERBB3-201	QQTLVLI GKTHLTMALTVIAGLVVIFMMLGGTFLYWRGRRIQNKRAMRRYLERGESIEPLDPSEKANKVLARIFKETELRKLKVLGSGVFGTVHKGWV IPEGESI	735
ERBB3-230	QQTLVLI GKTHLTMALTVIAGLVVIFMMLGGTFLYWRGRRIQNKRAMRRYLERGESIEPLDPSEKANKVLARIFKETELRKLKVLGSGVFGTVHKGWV IPEGESI	676
ERBB3-228	QQTLVLI GKTHLTMALTVIAGLVVIFMMLGGTFLYWRGRRIQNKRAMRRYLERGESIEPLDPSEKANKVLARIFKETELRKLKVLGSGVFGTVHKGWV IPEGESI	676
ERBB3-227	QQTLVLI GKTHLTMALTVIAGLVVIFMMLGGTFLYWRGRRIQNKRAMRRYLERGESIEPLDPSEKANKVLARIFKETELRKLKVLGSGVFGTVHKGWV IPEGESI	676
ERBB3-203	QQTLVLI GKTHLTMALTVIAGLVVIFMMLGGTFLYWRGRRIQNKRAMRRYLERGESIEPLDPSEKANKVLARIFKETELRKLKVLGSGVFGTVHKGWV IPEGESI	676
IPR000494	.....	121
consensus	*****	

logo

KIPVCIKVI EDKSGRQSFQAVTDHMLAIGSLDHAHIVRLLGLCPGSSLQLVTQYLP LGSLLDHVRQHRGALGPQ LLLNWGVQIAKGMYYLEEHGMVHRNLAARNV

ERBB3-213	.....	0
ERBB3-214	.....	178
IPR006211	.....	150
IPR032778	.....	130
ERBB3-Canonical	KIPVCIKVI EDKSGRQSFQAVTDHMLAIGSLDHAHIVRLLGLCPGSSLQLVTQYLP LGSLLDHVRQHRGALGPQ LLLNWGVQIAKGMYYLEEHGMVHRNLAARNV	840
ERBB3-201	KIPVCIKVI EDKSGRQSFQAVTDHMLAIGSLDHAHIVRLLGLCPGSSLQLVTQYLP LGSLLDHVRQHRGALGPQ LLLNWGVQIAKGMYYLEEHGMVHRNLAARNV	840
ERBB3-230	KIPVCIKVI EDKSGRQSFQAVTDHMLAIGSLDHAHIVRLLGLCPGSSLQLVTQYLP LGSLLDHVRQHRGALGPQ LLLNWGVQIAKGMYYLEEHGMVHRNLAARNV	781
ERBB3-228	KIPVCIKVI EDKSGRQSFQAVTDHMLAIGSLDHAHIVRLLGLCPGSSLQLVTQYLP LGSLLDHVRQHRGALGPQ LLLNWGVQIAKGMYYLEEHGMVHRNLAARNV	781
ERBB3-227	KIPVCIKVI EDKSGRQSFQAVTDHMLAIGSLDHAHIVRLLGLCPGSSLQLVTQYLP LGSLLDHVRQHRGALGPQ LLLNWGVQIAKGMYYLEEHGMVHRNLAARNV	781
ERBB3-203	KIPVCIKVI EDKSGRQSFQAVTDHMLAIGSLDHAHIVRLLGLCPGSSLQLVTQYLP LGSLLDHVRQHRGALGPQ LLLNWGVQIAKGMYYLEEHGMVHRNLAARNV	781
IPR000494	.....	121
consensus	*****	

logo

LLKSPSQVQVADFGVADLLPPDDKQLLYSEAKTPIKWMALESIHF GK YTHQSDVWSYGVTVWELMTFGAEPYAGRLRLAEV PDLLEKGERLAQPQICTIDVYMMV

ERBB3-213	65
ERBB3-214	252
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IPR032778	130
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ERBB3-230	LLKSPSQVQVADFGVADLLPPDDKQLLYSEAKTPIKWMALESIHF GK YTHQSDVWSYGVTVWELMTFGAEPYAGRLRLAEV PDLLEKGERLAQPQICTIDVYMMV	886
ERBB3-228	LLKSPSQVQVADFGVADLLPPDDKQLLYSEAKTPIKWMALESIHF GK YTHQSDVWSYGVTVWELMTFGAEPYAGRLRLAEV PDLLEKGERLAQPQICTIDVYMMV	886
ERBB3-227	LLKSPSQVQVADFGVADLLPPDDKQLLYSEAKTPIKWMALESIHF GK YTHQSDVWSYGVTVWELMTFGAEPYAGRLRLAEV PDLLEKGERLAQPQICTIDVYMMV	886
ERBB3-203	LLKSPSQVQVADFGVADLLPPDDKQLLYSEAKTPIKWMALESIHF GK YTHQSDVWSYGVTVWELMTFGAEPYAGRLRLAEV PDLLEKGERLAQPQICTIDVYMMV	886
IPR000494	121
consensus	*****	

logo

	KCWMIDENIRPTFKELANEFTRMARDPPRYLVIKRESGPGIAPGPEPHGLTNKKLEEEVELEPELDLDDLEAEEDNLATTTLGSALSPLVGTlnrprgsqsllsp	
ERBB3-213	KCWMIDENIRPTFKELANEFTRMARDPPRYLVIKRESGPGIAPGPEPHGLTNKKLEEEVELEPELDLDDLEAEEDNLATTTLGSALSPLVGTlnrprgsqsllsp	170
ERBB3-214	KCWMIDENIRPTFKELANEFTRMARDPPRYLVIKRESGPGIAPGPEPHGLTNKKLEEEVELEPELDLDDLEAEEDNLATTTLGSALSPLVGTlnrprgsqsllsp	357
IPR006211	.....	150
IPR032778	.....	130
ERBB3-Canonical	KCWMIDENIRPTFKELANEFTRMARDPPRYLVIKRESGPGIAPGPEPHGLTNKKLEEEVELEPELDLDDLEAEEDNLATTTLGSALSPLVGTlnrprgsqsllsp	1050
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ERBB3-230	KCWMIDENIRPTFKELANEFTRMARDPPRYLVIKRESGPGIAPGPEPHGLTNKKLEEEVELEPELDLDDLEAEEDNLATTTLGSALSPLVGTlnrprgsqsllsp	991
ERBB3-228	KCWMIDENIRPTFKELANEFTRMARDPPRYLVIKRESGPGIAPGPEPHGLTNKKLEEEVELEPELDLDDLEAEEDNLATTTLGSALSPLVGTlnrprgsqsllsp	991
ERBB3-227	KCWMIDENIRPTFKELANEFTRMARDPPRYLVIKRESGPGIAPGPEPHGLTNKKLEEEVELEPELDLDDLEAEEDNLATTTLGSALSPLVGTlnrprgsqsllsp	991
ERBB3-203	KCWMIDENIRPTFKELANEFTRMARDPPRYLVIKRESGPGIAPGPEPHGLTNKKLEEEVELEPELDLDDLEAEEDNLATTTLGSALSPLVGTlnrprgsqsllsp	991
IPR000494	121
consensus	*****	

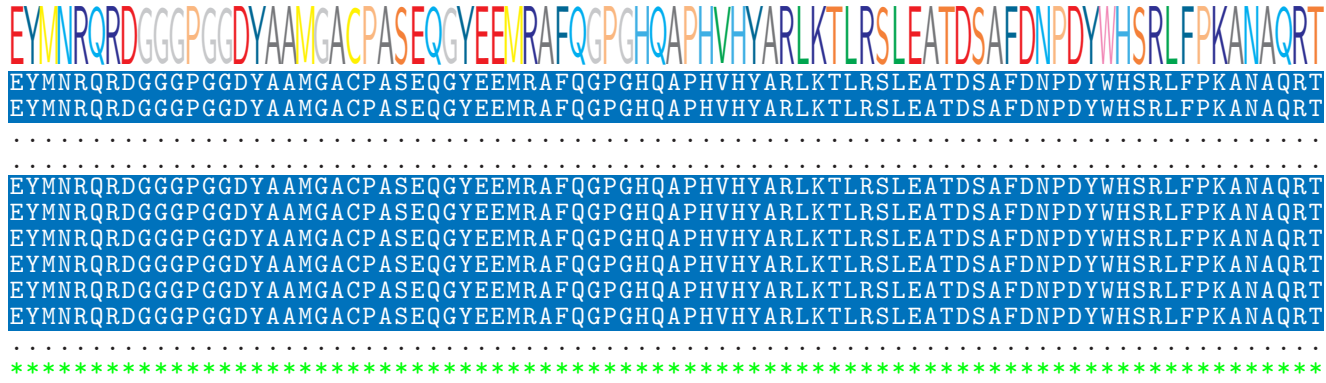
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ERBB3-214	SSGYMPMNQGNLGEESCQESAVSGSSERCPRPVSLHPMPRGCLASESSEGHVGTGSEAEELQEKVSMCRSRSRSPRPRGDSAYHSQRHSLLLTPVTPLSPPGLEEED	462
IPR006211	150
IPR032778	130
ERBB3-Canonical	SSGYMPMNQGNLGEESCQESAVSGSSERCPRPVSLHPMPRGCLASESSEGHVGTGSEAEELQEKVSMCRSRSRSPRPRGDSAYHSQRHSLLLTPVTPLSPPGLEEED	1155
ERBB3-201	SSGYMPMNQGNLGEESCQESAVSGSSERCPRPVSLHPMPRGCLASESSEGHVGTGSEAEELQEKVSMCRSRSRSPRPRGDSAYHSQRHSLLLTPVTPLSPPGLEEED	1155
ERBB3-230	SSGYMPMNQGNLGEESCQESAVSGSSERCPRPVSLHPMPRGCLASESSEGHVGTGSEAEELQEKVSMCRSRSRSPRPRGDSAYHSQRHSLLLTPVTPLSPPGLEEED	1096
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ERBB3-227	SSGYMPMNQGNLGEESCQESAVSGSSERCPRPVSLHPMPRGCLASESSEGHVGTGSEAEELQEKVSMCRSRSRSPRPRGDSAYHSQRHSLLLTPVTPLSPPGLEEED	1096
ERBB3-203	SSGYMPMNQGNLGEESCQESAVSGSSERCPRPVSLHPMPRGCLASESSEGHVGTGSEAEELQEKVSMCRSRSRSPRPRGDSAYHSQRHSLLLTPVTPLSPPGLEEED	1096
IPR000494	121
consensus	*****	

logo

	VNGYVMPDTHLKGTTPSSREGTSSVGLSSVLGTEEEDEDEEYEMNRRRRHSPPHPPRPSSLEELGYEYMDVGSDLASLSTQSCPLHPVPIPTAGTTPDEDY	
ERBB3-213	VNGYVMPDTHLKGTTPSSREGTSSVGLSSVLGTEEEDEDEEYEMNRRRRHSPPHPPRPSSLEELGYEYMDVGSDLASLSTQSCPLHPVPIPTAGTTPDEDY	380
ERBB3-214	VNGYVMPDTHLKGTTPSSREGTSSVGLSSVLGTEEEDEDEEYEMNRRRRHSPPHPPRPSSLEELGYEYMDVGSDLASLSTQSCPLHPVPIPTAGTTPDEDY	567
IPR006211	.....	150
IPR032778	.....	130
ERBB3-Canonical	VNGYVMPDTHLKGTTPSSREGTSSVGLSSVLGTEEEDEDEEYEMNRRRRHSPPHPPRPSSLEELGYEYMDVGSDLASLSTQSCPLHPVPIPTAGTTPDEDY	1260
ERBB3-201	VNGYVMPDTHLKGTTPSSREGTSSVGLSSVLGTEEEDEDEEYEMNRRRRHSPPHPPRPSSLEELGYEYMDVGSDLASLSTQSCPLHPVPIPTAGTTPDEDY	1260
ERBB3-230	VNGYVMPDTHLKGTTPSSREGTSSVGLSSVLGTEEEDEDEEYEMNRRRRHSPPHPPRPSSLEELGYEYMDVGSDLASLSTQSCPLHPVPIPTAGTTPDEDY	1201
ERBB3-228	VNGYVMPDTHLKGTTPSSREGTSSVGLSSVLGTEEEDEDEEYEMNRRRRHSPPHPPRPSSLEELGYEYMDVGSDLASLSTQSCPLHPVPIPTAGTTPDEDY	1201
ERBB3-227	VNGYVMPDTHLKGTTPSSREGTSSVGLSSVLGTEEEDEDEEYEMNRRRRHSPPHPPRPSSLEELGYEYMDVGSDLASLSTQSCPLHPVPIPTAGTTPDEDY	1201
ERBB3-203	VNGYVMPDTHLKGTTPSSREGTSSVGLSSVLGTEEEDEDEEYEMNRRRRHSPPHPPRPSSLEELGYEYMDVGSDLASLSTQSCPLHPVPIPTAGTTPDEDY	1201
IPR000494	.....	121
consensus	*****	

logo



ERBB3-213
 ERBB3-214
 IPR006211
 IPR032778
 ERBB3-Canonical
 ERBB3-201
 ERBB3-230
 ERBB3-228
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 ERBB3-203
 IPR000494
 consensus

462
 649
 150
 130
 1342
 1342
 1283
 1283
 1283
 1283
 121

- X non-conserved
- X similar
- X ≥ 50% conserved