	MAHEDDEELV-SADECHEREDEELDE-DAWKJWHEGRESYRRESKRIJEU
XP 022296317.1 GIMAP 4-like Crassostrea virginica	
XP 022302183.1 GIMAP 4-like Crassostrea virginica	
XP 022303805.1 GIMAP 4-like isoform X3 Crassostrea virginica	
XP 022303806.1 GIMAP 4-like isoform X3 Crassostrea virginica	
XP 022304626.1 GIMAP 4-like isoform X1 Crassostrea virginica	
XP 022304627.1 GIMAP 4-like isoform X2 Crassostrea virginica	
XP 022304628.1 GIMAP 4-like isoform X3 Crassostrea virginica	
XP 022307700.1 GIMAP 4-like Crassostrea virginica	
XP 022335699.1 GIMAP 4-like Crassostrea virginica	
XP 022297635.1 GIMAP 4-like Crassostrea virginica	
XP 022291746.1 GIMAP 4-like Crassostrea virginica	MADPCPSSTDSVSVIDSCPMNSSEWNQRALLKNCSMYPQTCFRPLEYHCL
XP 022299405.1 GIMAP 7-like isoform X1 Crassostrea virginica	
XP 022299409.1 GIMAP 7-like isoform X4 Crassostrea virginica	
XP 022299416.1 GIMAP 7-like isoform X8 Crassostrea virginica	
XP 022299418.1 GIMAP 7-like isoform X9 Crassostrea virginica	
XP 022299408.1 GIMAP 7-like isoform X3 Crassostrea virginica	
XP 022299407.1 GIMAP 7-like isoform X2 Crassostrea virginica	
XP 022299410.1 GIMAP 7-like isoform X5 Crassostrea virginica	
XP 022299411.1 GIMAP 7-like isoform X6 Crassostrea virginica	
XP 022299412.1 GIMAP 7-like isoform X6 Crassostrea virginica	
XP 022299413.1 GIMAP 7-like isoform X6 Crassostrea virginica	
XP 022299414.1 GIMAP 7-like isoform X6 Crassostrea virginica	
XP 022299415.1 GIMAP 7-like isoform X7 Crassostrea virginica	
XP 022291053.1 GIMAP 4-like Crassostrea virginica	
XP 022304158.1 GIMAP 7-like Crassostrea virginica	MTTLKMEKNIFICTTFGVSDD
XP 022304950.1 GIMAP 7-like Crassostrea virginica	
XP 022310198.1 GIMAP 4-like Crassostrea virginica	
XP 022296314.1 GIMAP 4-like Crassostrea virginica	
XP 022301668.1 GIMAP 4-like Crassostrea virginica	
XP 022301131.1 GIMAP 4-like Crassostrea virginica	
XP 022301812.1 GIMAP 4-like Crassostrea virginica	
XP 022301132.1 GIMAP 4-like Crassostrea virginica	
XP 022301145.1 GIMAP 4-like Crassostrea virginica	
XP 022301588.1 GIMAP 4-like Crassostrea virginica	
XP 022301589.1 GIMAP 4-like Crassostrea virginica	
XP 022301590.1 GIMAP 7-like Crassostrea virginica	
XP 022296665.1 GIMAP 4-like Crassostrea virginica	
XP 022296700.1 GIMAP 4-like Crassostrea virginica	
XP 022295827.1 GIMAP 4-like Crassostrea virginica	
XP 022301840.1 GIMAP 4-like Crassostrea virginica	
XP 022300528.1 LOW QUALITY PROTEIN: GIMAP 4-like Crassostrea virginica	
XP 022298533.1 GIMAP 4-like, partial Crassostrea virginica	
XP 022297620.1 GIMAP 7-like isoform X3 Crassostrea virginica	MTCVCVLLLICALILQKGNSVNMTRKSLQVQLGYRFQ
XP 022302920.1 GIMAP 4-like Crassostrea virginica	
XP 022300251.1 GIMAP 7-like Crassostrea virginica	
XP 022287294.1 GIMAP 4-like isoform X1 Crassostrea virginica	
XP 022287295.1 GIMAP 4-like isoform X1 Crassostrea virginica	
XP 022292452.1 GIMAP 4-like Crassostrea virginica	
XP 022292453.1 GIMAP 4-like Crassostrea virginica	
XP 022291927.1 GIMAP 4-like Crassostrea virginica	
XP 022295273.1 GIMAP 4-like isoform X1 Crassostrea virginica	
XP 022295274.1 GIMAP 4-like isoform X1 Crassostrea virginica	
XP 022295275.1 GIMAP 4-like isoform X2 Crassostrea virginica	
XP 022295276.1 GIMAP 4-like isoform X2 Crassostrea virginica	
XP 022295277.1 GIMAP 4-like isoform X2 Crassostrea virginica XP 022295278.1 GIMAP 4-like isoform X2 Crassostrea virginica	
XP 022295279.1 GIMAP 4-like isoform X2 Crassostrea virginica	
XP 022295280.1 GIMAP 4-like isoform X3 Crassostrea virginica	

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XP 022296317.1 GIMAP 4-like Crassostrea virginica		0
XP 022302183.1 GIMAP 4-like Crassostrea virginica		0
XP 022303805.1 GIMAP 4-like isoform X3 Crassostrea virginica		9
XP 022303806.1 GIMAP 4-like isoform X3 Crassostrea virginica		9
XP 022304626.1 GIMAP 4-like isoform X1 Crassostrea virginica		0
XP 022304627.1 GIMAP 4-like isoform X2 Crassostrea virginica		0
XP 022304628.1 GIMAP 4-like isoform X3 Crassostrea virginica		0
XP 022307700.1 GIMAP 4-like Crassostrea virginica	MPSTDKNTNRWTSAVVAFICMVICLTVVFIGILIYFLNYKRRHT	44
XP 022335699.1 GIMAP 4-like Crassostrea virginica		0
XP 022297635.1 GIMAP 4-like Crassostrea virginica		0
XP 022291746.1 GIMAP 4-like Crassostrea virginica	· · · · · · · · · · · · · · · · · · ·	100
XP 022299405.1 GIMAP 7-like isoform X1 Crassostrea virginica	MVTYSKYGIFAMESIETFLRHLGQERFIEIFLDNELDLDL	40
XP 022299409.1 GIMAP 7-like isoform X4 Crassostrea virginica	MVTYSKYGIFAMESIETFLRHLGQERFIEIFLDNELDLDL	40
XP 022299416.1 GIMAP 7-like isoform X8 Crassostrea virginica	MVTYSKYGIFAMESIETFLRHLGQERFIEIFLDNELDLDL	40
XP 022299418.1 GIMAP 7-like isoform X9 Crassostrea virginica	MVTYSKYGIFAMESIETFLRHLGQERFIEIFLDNELDLDL	40
XP 022299408.1 GIMAP 7-like isoform X3 Crassostrea virginica	MVTYSKYGIFAMESIETFLRHLGQERFIEIFLDNELDLDL	40
XP 022299407.1 GIMAP 7-like isoform X2 Crassostrea virginica	MVTYSKYGIFAMESIETFLRHLGQERFIEIFLDNELDLDL	40
XP 022299410.1 GIMAP 7-like isoform X5 Crassostrea virginica	MVTYSKYGIFAMESIETFLRHLGQERFIEIFLDNELDLDL	40
XP 022299411.1 GIMAP 7-like isoform X6 Crassostrea virginica	MESIETFLRHLGQERFIEIFLDNELDLDL MESIETFLRHLGQERFIEIFLDNELDLDL	29 29
XP 022299412.1 GIMAP 7-like isoform X6 Crassostrea virginica XP 022299413.1 GIMAP 7-like isoform X6 Crassostrea virginica	MESIETFLRHLGQERFIEIFLDNELDLDL	29
XP 022299414.1 GIMAP 7-like isoform X6 Crassostrea virginica	MESIETFLRHLGQERFIEIFLDNELDLDL	29
XP 022299415.1 GIMAP 7-like isoform X7 Crassostrea virginica	MESIETFLRHLGQERFIEIFLDNELDLDL	29
XP 022291053.1 GIMAP 4-like Crassostrea virginica	MESFLKSIGKERHLDAFNKNEITLDL	26
XP 022304158.1 GIMAP 7-like Crassostrea virginica	LYDIESLYHSFLLTFCEIKMEKKTIESFLKSIGLETYIGKFKGEDIEMET	71
XP 022304950.1 GIMAP 7-like Crassostrea virginica		31
XP 022310198.1 GIMAP 4-like Crassostrea virginica		31
XP 022296314.1 GIMAP 4-like Crassostrea virginica		0
XP 022301668.1 GIMAP 4-like Crassostrea virginica		0
XP 022301131.1 GIMAP 4-like Crassostrea virginica		0
XP 022301812.1 GIMAP 4-like Crassostrea virginica		0
XP 022301132.1 GIMAP 4-like Crassostrea virginica		0
XP 022301145.1 GIMAP 4-like Crassostrea virginica		0
XP 022301588.1 GIMAP 4-like Crassostrea virginica		0
XP 022301589.1 GIMAP 4-like Crassostrea virginica		0
XP 022301590.1 GIMAP 7-like Crassostrea virginica		0
XP 022296665.1 GIMAP 4-like Crassostrea virginica		0
XP 022296700.1 GIMAP 4-like Crassostrea virginica		0
XP 022295827.1 GIMAP 4-like Crassostrea virginica		0
XP 022301840.1 GIMAP 4-like Crassostrea virginica		0
XP 022300528.1 LOW QUALITY PROTEIN: GIMAP 4-like Crassostrea virginica XP 022298533.1 GIMAP 4-like, partial Crassostrea virginica		0
XP 022297620.1 GIMAP 7-like isoform X3 Crassostrea virginica	IYPVDVCPKNKVDFDTAAKNRNCPGESRYLCAPDKNLTNLIEFCTDRPPS	87
XP 022302920.1 GIMAP 4-like Crassostrea virginica		0
XP 022300251.1 GIMAP 7-like Crassostrea virginica		0
XP 022287294.1 GIMAP 4-like isoform X1 Crassostrea virginica		7
XP 022287295.1 GIMAP 4-like isoform X1 Crassostrea virginica	MAASSEL	7
XP 022292452.1 GIMAP 4-like Crassostrea virginica	MKAMDHYRITVCLVLITFPNVMSKM	25
XP 022292453.1 GIMAP 4-like Crassostrea virginica	MKAMDHYRITVCLVLITFPNVMSKM	25
XP 022291927.1 GIMAP 4-like Crassostrea virginica	MKVMDHYRIIACLVLIASPNVMSKR	25
XP 022295273.1 GIMAP 4-like isoform X1 Crassostrea virginica	MLKKEKVMDHLKITFFLVLIVFPLISSPM	29
XP 022295274.1 GIMAP 4-like isoform X1 Crassostrea virginica	MLKKEKVMDHLKITFFLVLIVFPLISSPM	29
XP 022295275.1 GIMAP 4-like isoform X2 Crassostrea virginica	MLKKEKVMDHLKITFFLVLIVFPVISSPM	29
XP 022295276.1 GIMAP 4-like isoform X2 Crassostrea virginica	MLKKEKVMDHLKITFFLVLIVFPVISSPM	29
XP 022295277.1 GIMAP 4-like isoform X2 Crassostrea virginica	MLKKEKVMDHLKITFFLVLIVFPVISSPM	29
XP 022295278.1 GIMAP 4-like isoform X2 Crassostrea virginica	MLKKEKVMDHLKITFFLVLIVFPVISSPM	29
XP 022295279.1 GIMAP 4-like isoform X2 Crassostrea virginica	MLKKEKVMDHLKITFFLVLIVFPVISSPM	29
XP 022295280.1 GIMAP 4-like isoform X3 Crassostrea virginica	MLKKEKVMDHLKITFFLVLIVFPLISSPM	29

	ASSDE. KET-LE F. N.	
VD 000006217 1 GTMAD 4 lib- Co	PESCS DE LES ES E	0
XP 022296317.1 GIMAP 4-like Crassostrea virginica		0
XP 022302183.1 GIMAP 4-like Crassostrea virginica	LELDNTTEKQTTFQDEENMP	0
XP 022303805.1 GIMAP 4-like isoform X3 Crassostrea virginica		29
XP 022303806.1 GIMAP 4-like isoform X3 Crassostrea virginica	LELDNTTEKQTTFQDEENMP	29
XP 022304626.1 GIMAP 4-like isoform X1 Crassostrea virginica		2
XP 022304627.1 GIMAP 4-like isoform X2 Crassostrea virginica		0
XP 022304628.1 GIMAP 4-like isoform X3 Crassostrea virginica	NDNDDVEEOVAETVVIIAOA	0
XP 022307700.1 GIMAP 4-like Crassostrea virginica	NDNDDVEEQKAFIKKIHGQA	64
XP 022335699.1 GIMAP 4-like Crassostrea virginica		0
XP 022297635.1 GIMAP 4-like Crassostrea virginica	VNODOTI DVVOOI DEL HOL TEDL AVVEGGEDHDEDHDALL I HA ADTITTE	0
XP 022291746.1 GIMAP 4-like Crassostrea virginica	YNSRSILDYKGCLRELHGLTTPLANYTSGTPHDTPMDDNLLWLAPIIIIF	150
XP 022299405.1 GIMAP 7-like isoform X1 Crassostrea virginica	LKSLSEDELKETLKELNLPLGPRM	64
XP 022299409.1 GIMAP 7-like isoform X4 Crassostrea virginica	LKSLSEDELKETLKELNLPLGPRM	64
XP 022299416.1 GIMAP 7-like isoform X8 Crassostrea virginica	LKSLSEDELKETLKELNLPLGPRM	64
XP 022299418.1 GIMAP 7-like isoform X9 Crassostrea virginica	LKSLSEDELKETLKELNLPLGPRM	64
XP 022299408.1 GIMAP 7-like isoform X3 Crassostrea virginica	LKSLSEDELKETLKELNLPLGPRM	64
XP 022299407.1 GIMAP 7-like isoform X2 Crassostrea virginica	LKSLSEDELKETLKELNLPLGPRM	64
XP 022299410.1 GIMAP 7-like isoform X5 Crassostrea virginica	LKSLSEDELKETLKELNLPLGPRM	64
XP 022299411.1 GIMAP 7-like isoform X6 Crassostrea virginica	LKSLSEDELKETLKELNLPLGPRM	53
XP 022299412.1 GIMAP 7-like isoform X6 Crassostrea virginica	LKSLSEDELKETLKELNLPLGPRM	53
XP 022299413.1 GIMAP 7-like isoform X6 Crassostrea virginica	LKSLSEDELKETLKELNLPLGPRM	53
XP 022299414.1 GIMAP 7-like isoform X6 Crassostrea virginica	LKSLSEDELKETLKELNLPLGPRM	53
XP 022299415.1 GIMAP 7-like isoform X7 Crassostrea virginica	LKSLSEDELKETLKELNLPLGPRM	53
XP 022291053.1 GIMAP 4-like Crassostrea virginica	LKTLSRENLEKTLTLLNLNVGTFM	50
XP 022304158.1 GIMAP 7-like Crassostrea virginica	LIDLPDDLLNKILEELKLNLGTRL	95
XP 022304950.1 GIMAP 7-like Crassostrea virginica	LIDLPGDYVNSLLTEFHVDATTQL	55
XP 022310198.1 GIMAP 4-like Crassostrea virginica	LKSLSEKNLKEILKEIGLTVGIRM	55
XP 022296314.1 GIMAP 4-like Crassostrea virginica		3
XP 022301668.1 GIMAP 4-like Crassostrea virginica		3
XP 022301131.1 GIMAP 4-like Crassostrea virginica	MGFMYVICFSAIGLYFKSTT	20
XP 022301812.1 GIMAP 4-like Crassostrea virginica		0
XP 022301132.1 GIMAP 4-like Crassostrea virginica		0
XP 022301145.1 GIMAP 4-like Crassostrea virginica		0
XP 022301588.1 GIMAP 4-like Crassostrea virginica	MVSREDGKVGYRFHESGNAY	20
XP 022301589.1 GIMAP 4-like Crassostrea virginica	MVSREDGKVGYRFHESGNAY	20
XP 022301590.1 GIMAP 7-like Crassostrea virginica	MASKEDGKEVSEDRRNFY	18
XP 022296665.1 GIMAP 4-like Crassostrea virginica		0
XP 022296700.1 GIMAP 4-like Crassostrea virginica		0
XP 022295827.1 GIMAP 4-like Crassostrea virginica		0
XP 022301840.1 GIMAP 4-like Crassostrea virginica		0
XP 022300528.1 LOW QUALITY PROTEIN: GIMAP 4-like Crassostrea virginica		0
XP 022298533.1 GIMAP 4-like, partial Crassostrea virginica		0
XP 022297620.1 GIMAP 7-like isoform X3 Crassostrea virginica	LYGPVPACLEINRVFQCFEAEESCKERISNGSTPDNGSNAILIFAIYCAF	137
XP 022302920.1 GIMAP 4-like Crassostrea virginica		0
XP 022300251.1 GIMAP 7-like Crassostrea virginica		0
XP 022287294.1 GIMAP 4-like isoform X1 Crassostrea virginica	DF	9
XP 022287295.1 GIMAP 4-like isoform X1 Crassostrea virginica	DF	9
XP 022292452.1 GIMAP 4-like Crassostrea virginica	HCHDNKGRDKDGYCTKNSI	44
XP 022292453.1 GIMAP 4-like Crassostrea virginica	HCHDNKGRDKDGYCTKNSK	44
XP 022291927.1 GIMAP 4-like Crassostrea virginica	DYHDDN	31
XP 022295273.1 GIMAP 4-like isoform X1 Crassostrea virginica	DCQDGNDEKEEGYCSTKSI	48
XP 022295274.1 GIMAP 4-like isoform X1 Crassostrea virginica	DCQDGNDEKEEGYCSTKSI	48
	DCQDGNDEEEEGYCSTKSI	48
XP 022295275.1 GIMAP 4-like isoform X2 Crassostrea virginica	DCQDGNDEEEEGYCSTKSI	48
XP 022295276.1 GIMAP 4-like isoform X2 Crassostrea virginica XP 022295277.1 GIMAP 4-like isoform X2 Crassostrea virginica	DCQDGNDEEEEGYCSTKSI	48
		48 48
XP 022295278.1 GIMAP 4-like isoform X2 Crassostrea virginica	DCQDGNDEEEEGYCSTKSI	
XP 022295279.1 GIMAP 4-like isoform X2 Crassostrea virginica	DCQDGNDEEEEGYCSTKSI	48
XP 022295280.1 GIMAP 4-like isoform X3 Crassostrea virginica	DCQDGNDEKEEGYCSTKSI	48

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VD 000006247 1 CTMAD A like Congression wingings	ĸŢĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸĸ	^
XP 022296317.1 GIMAP 4-like Crassostrea virginica		0
XP 022302183.1 GIMAP 4-like Crassostrea virginica	ACC MTDVVID	0
XP 022303805.1 GIMAP 4-like isoform X3 Crassostrea virginica	AGSNTDKKID AGSNTDKKID	39 39
XP 022303806.1 GIMAP 4-like isoform X3 Crassostrea virginica	AGSNTDKKID	
XP 022304626.1 GIMAP 4-like isoform X1 Crassostrea virginica		12
XP 022304627.1 GIMAP 4-like isoform X2 Crassostrea virginica		0
XP 022304628.1 GIMAP 4-like isoform X3 Crassostrea virginica		
XP 022307700.1 GIMAP 4-like Crassostrea virginica	MDCRFNSTDKVNE	77
XP 022335699.1 GIMAP 4-like Crassostrea virginica		0
XP 022297635.1 GIMAP 4-like Crassostrea virginica	AIILITFIFVYYCWRKGSQKNELEDFQMQIRDGDGNNSLHPEEPLLGELN	0
XP 022291746.1 GIMAP 4-like Crassostrea virginica		200
XP 022299405.1 GIMAP 7-like isoform X1 Crassostrea virginica	KILKGVQSFKGEALDVTEEQRSSQALDVTEQQRSSQDTVQKVKALVGDFE	114
XP 022299409.1 GIMAP 7-like isoform X4 Crassostrea virginica	KILKGVQSFKGEDVTEEQRSSQALDVTEQQRSSQDTVQKVKALVGDFE	112
XP 022299416.1 GIMAP 7-like isoform X8 Crassostrea virginica	KILKGVQSFKGEALDVTEEQRSSQAVQKVKALVGDFE	101
XP 022299418.1 GIMAP 7-like isoform X9 Crassostrea virginica	KILKGVQSFKGEALDVTEEQRSSQVQKVKALVGDFE	100
XP 022299408.1 GIMAP 7-like isoform X3 Crassostrea virginica	KILKGVQSFKGEALDVTEEQRSSQALDVTEQQRSSQVQKVKALVGDFE	112
XP 022299407.1 GIMAP 7-like isoform X2 Crassostrea virginica	KILKGVQSFKGEALDVTEEQRSSQALDVTEQQRSSQ.AVQKVKALVGDFE	113
XP 022299410.1 GIMAP 7-like isoform X5 Crassostrea virginica	KILKGVQSFKGEDVTEEQRSSQALDVTEQQRSSQ.AVQKVKALVGDFE	111
XP 022299411.1 GIMAP 7-like isoform X6 Crassostrea virginica	KILKGVQSFKGEALDVTEEQRSSQALDVTEQQRSSQDTVQKVKALVGDFE	103
XP 022299412.1 GIMAP 7-like isoform X6 Crassostrea virginica	KILKGVQSFKGEALDVTEEQRSSQALDVTEQQRSSQDTVQKVKALVGDFE	103
XP 022299413.1 GIMAP 7-like isoform X6 Crassostrea virginica	KILKGVQSFKGEALDVTEEQRSSQALDVTEQQRSSQDTVQKVKALVGDFE	103
XP 022299414.1 GIMAP 7-like isoform X6 Crassostrea virginica	KILKGVQSFKGEALDVTEEQRSSQALDVTEQQRSSQDTVQKVKALVGDFE	103
XP 022299415.1 GIMAP 7-like isoform X7 Crassostrea virginica	KILKGVQSFKGEALDVTEEQRSSQALDVTEQQRSSQ.AVQKVKALVGDFE	102
XP 022291053.1 GIMAP 4-like Crassostrea virginica	SIIDAVETLKIKGAVNEVVKPIGNNE	76
XP 022304158.1 GIMAP 7-like Crassostrea virginica	KIKKELKKISPEKSSYSTASQ	116
XP 022304950.1 GIMAP 7-like Crassostrea virginica	IINYEIYKR	64
XP 022310198.1 GIMAP 4-like Crassostrea virginica	KIQQTLDDMKTKEKTSSQAAQNTCSSH	82
XP 022296314.1 GIMAP 4-like Crassostrea virginica		3
XP 022301668.1 GIMAP 4-like Crassostrea virginica		3
XP 022301131.1 GIMAP 4-like Crassostrea virginica		20
XP 022301812.1 GIMAP 4-like Crassostrea virginica		0
XP 022301132.1 GIMAP 4-like Crassostrea virginica		0
XP 022301145.1 GIMAP 4-like Crassostrea virginica		0
XP 022301588.1 GIMAP 4-like Crassostrea virginica		20
XP 022301589.1 GIMAP 4-like Crassostrea virginica		20
XP 022301590.1 GIMAP 7-like Crassostrea virginica	MAGNATI GILGGETIGNETIGNET GULGGENNEGE GERANTER	18
XP 022296665.1 GIMAP 4-like Crassostrea virginica	MASNYWLCHGCTHSNEHGRKKCVHCGDNNRSRQDSDIWPCPSCTFM	46
XP 022296700.1 GIMAP 4-like Crassostrea virginica	MASNYWLCHGCTHSNEHGRKKCVHCGDNNRSRQDSDIWPCPSCTFM	46
XP 022295827.1 GIMAP 4-like Crassostrea virginica	MASNYWLCHGCTHSNEHGRKKCVQCGDNNRSRHDSDIWPCPSCTFM	46
XP 022301840.1 GIMAP 4-like Crassostrea virginica	MQVSQRRNQSTRKLEISICMDSWTCSRCTLINEGHRSRCDACLSPKGHRENITISNAST	19 40
XP 022300528.1 LOW QUALITY PROTEIN: GIMAP 4-like Crassostrea virginica		0
XP 022298533.1 GIMAP 4-like, partial Crassostrea virginica	LTVMFVIGTLLWIYRKGENQKEAEKTEKTVLSIQSEHRPVAEDKDTKITK	187
XP 022297620.1 GIMAP 7-like isoform X3 Crassostrea virginica XP 022302920.1 GIMAP 4-like Crassostrea virginica		0
		0
XP 022300251.1 GIMAP 7-like Crassostrea virginica		9
XP 022287294.1 GIMAP 4-like isoform X1 Crassostrea virginica		
XP 022287295.1 GIMAP 4-like isoform X1 Crassostrea virginica		9
XP 022292452.1 GIMAP 4-like Crassostrea virginica		44 44
XP 022292453.1 GIMAP 4-like Crassostrea virginica		31
XP 022291927.1 GIMAP 4-like Crassostrea virginica		48
XP 022295273.1 GIMAP 4-like isoform X1 Crassostrea virginica		48
XP 022295274.1 GIMAP 4-like isoform X1 Crassostrea virginica		
XP 022295275.1 GIMAP 4-like isoform X2 Crassostrea virginica		48 48
XP 022295276.1 GIMAP 4-like isoform X2 Crassostrea virginica		48 48
XP 022295277.1 GIMAP 4-like isoform X2 Crassostrea virginica		48 48
XP 022295278.1 GIMAP 4-like isoform X2 Crassostrea virginica		
XP 022295279.1 GIMAP 4-like isoform X2 Crassostrea virginica		48
XP 022295280.1 GIMAP 4-like isoform X3 Crassostrea virginica		48

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	MCCCASKSENTERIOR OF THE WOLLD AND THE WOLLD SERVICE OF THE WOLLD SERVICE
XP 022296317.1 GIMAP 4-like Crassostrea virginica	VGKRGSGKS 28
XP 022302183.1 GIMAP 4-like Crassostrea virginica	V <mark>GKRGSGKS</mark> 28
XP 022303805.1 GIMAP 4-like isoform X3 Crassostrea virginica	IDKDEENMPAGSNTDKKIDIDKGFCNWDLNSSTEN <mark>EIR</mark> LV <mark>LLGKTG</mark> TGKS 89
XP 022303806.1 GIMAP 4-like isoform X3 Crassostrea virginica	IDKDEENMPAGSNTDKKIDIDKGFCNWDLNSSTEN <mark>E</mark> I <mark>R</mark> LVL <mark>GKTG</mark> T <mark>GKS</mark> 89
XP 022304626.1 GIMAP 4-like isoform X1 Crassostrea virginica	IEKDEENMPAGSNTDKKIDIEKGFCNWDLNSSTENEIRLVLLGKTGTGKS 62
XP 022304627.1 GIMAP 4-like isoform X2 Crassostrea virginica	MPAGSNTDKKIDIEKGFCNWDLNSSTENEIRLVLLGKTGTGKS 43
XP 022304628.1 GIMAP 4-like isoform X3 Crassostrea virginica	MKTEIPSPSRFCNWDLNSSTEN <mark>EIR</mark> LV <mark>LLGKTG</mark> TGKS 37
XP 022307700.1 GIMAP 4-like Crassostrea virginica	SYIGGENIPGESNTDEKTEFGNASCTLDADSYTEN <mark>ELR</mark> LV <mark>LLGTTG</mark> AGKS 127
XP 022335699.1 GIMAP 4-like Crassostrea virginica	MGCNSSKSVSLEKSKKEEIRLVLLGKTGSGKS 32
XP 022297635.1 GIMAP 4-like Crassostrea virginica	MGCKSSKRRPREEIQNMEEIRLVLLGKTGSGKS 33
XP 022291746.1 GIMAP 4-like Crassostrea virginica	ERKDADIKKANNTDGTSSTGHTEDGGPCLVYIKYE <mark>EIR</mark> LV <mark>LFGGKG</mark> SGKS 250
XP 022299405.1 GIMAP 7-like isoform X1 Crassostrea virginica	KISTTQRKEACPSSHFEKTENRFSFDKYTYKE <mark>EIRLVL</mark> L <mark>GKTG</mark> SGKS 161
XP 022299409.1 GIMAP 7-like isoform X4 Crassostrea virginica	KISTTQRKEACPSSHFEKTENRFSFDKYTYKE <mark>EIRLVLLGKTGSGKS</mark> 159
XP 022299416.1 GIMAP 7-like isoform X8 Crassostrea virginica	KISTTQRKEACPSSHFEKTENRFSFDKYTYKE <mark>EIRLVL</mark> LGKTG <mark>SGKS</mark> 148
XP 022299418.1 GIMAP 7-like isoform X9 Crassostrea virginica	KISTTQRKEACPSSHFEKTENRFSFDKYTYKEEIRLVLLGKTGSGKS 147
XP 022299408.1 GIMAP 7-like isoform X3 Crassostrea virginica	KISTTQRKEACPSSHFEKTENRFSFDKYTYKEEIRLVLLGKTGSGKS 159
XP 022299407.1 GIMAP 7-like isoform X2 Crassostrea virginica	KISTTQRKEACPSSHFEKTENRFSFDKYTYKEEIRLVLLGKTGSGKS 160
XP 022299410.1 GIMAP 7-like isoform X5 Crassostrea virginica	KISTTQRKEACPSSHFEKTENRFSFDKYTYKEEIRLVLLGKTGSGKS 158
XP 022299411.1 GIMAP 7-like isoform X6 Crassostrea virginica	KISTTQRKEACPSSHFEKTENRFSFDKYTYKEEIRLVLLGKTGSGKS 150 KISTTQRKEACPSSHFEKTENRFSFDKYTYKEEIRLVLLGKTGSGKS 150
XP 022299412.1 GIMAP 7-like isoform X6 Crassostrea virginica	KISTTQRKEACPSSHFEKTENRFSFDKYTYKEEIRLVLLGKTGSGKS 150 KISTTQRKEACPSSHFEKTENRFSFDKYTYKEEIRLVLLGKTGSGKS 150
XP 022299413.1 GIMAP 7-like isoform X6 Crassostrea virginica XP 022299414.1 GIMAP 7-like isoform X6 Crassostrea virginica	KISTTQRKEACPSSHFEKTENRFSFDKYTYKEEIRLVLLGKTGSGKS 150
XP 022299415.1 GIMAP 7-like isoform X7 Crassostrea virginica	KISTTQRKEACPSSHFEKTENRFSFDKYTYKEEIRLVLLGKTGSGKS 149
XP 022291053.1 GIMAP 4-like Crassostrea virginica	IIDGRMEISSPKDVMGREKQEMWDFSEVCPAEREVRLVLLGKTGSGKS 124
XP 022304158.1 GIMAP 7-like Crassostrea virginica	FYDEEIRIVLLGKTGCGKS 135
XP 022304950.1 GIMAP 7-like Crassostrea virginica	KLTLRIVLLGKTGSGKS 81
XP 022310198.1 GIMAP 4-like Crassostrea virginica	FVPGREAKSQSMESEKTSADDSCSMPDSRSIPQEVRIVLIGKTGCGKS 130
XP 022296314.1 GIMAP 4-like Crassostrea virginica	IDREIRIVLLGKTGSGKS 21
XP 022301668.1 GIMAP 4-like Crassostrea virginica	IDREVRLVLLGKTGSGKS 21
XP 022301131.1 GIMAP 4-like Crassostrea virginica	MWR <mark>E</mark> I <mark>RLVL</mark> L <mark>GKTG</mark> CGKS 38
XP 022301812.1 GIMAP 4-like Crassostrea virginica	MKQ <mark>E</mark> I <mark>R</mark> LV <mark>L</mark> L <mark>GKTG</mark> CGKS 18
XP 022301132.1 GIMAP 4-like Crassostrea virginica	MKKEIRLVLLGKTGCGKS 18
XP 022301145.1 GIMAP 4-like Crassostrea virginica	MEKEIRLVLLGKTGCGKS 18
XP 022301588.1 GIMAP 4-like Crassostrea virginica	FDKEIRLVLLGKTGCGKS 38 FDKEIRLVLLGKTGCGKS 38
XP 022301589.1 GIMAP 4-like Crassostrea virginica	FDKEIRLVLLGKTGCGKS 38 IDK <mark>EIRIVL</mark> LGKTGCGKS 36
XP 022301590.1 GIMAP 7-like Crassostrea virginica XP 022296665.1 GIMAP 4-like Crassostrea virginica	NEGNKSKCGACGSHKGGGGGGYRSRGKSRYGKGIDNEVRIVLLGKTGSGKS 96
XP 022296700.1 GIMAP 4-like Crassostrea virginica	NEGNKSKCGACGSHKGGGGGYRSYGKSRYGKGIDNEVRIVLLGKTGSGKS 96
XP 022295827.1 GIMAP 4-like Crassostrea virginica	NEGNKSKCGACGSHKGGGGGHGSRGKSRYGKGIDNEVRIVLLGKTGSGKS 96
XP 022301840.1 GIMAP 4-like Crassostrea virginica	IGIDKEVRIVLLGKTGSGKS 39
XP 022300528.1 LOW QUALITY PROTEIN: GIMAP 4-like Crassostrea virginica	HRNNGEEVRIALLGKTGSGKS 61
XP 022298533.1 GIMAP 4-like, partial Crassostrea virginica	KEVRIVLQGKTGSGKS 16
XP 022297620.1 GIMAP 7-like isoform X3 Crassostrea virginica	NTDDQATSIEVGKGQMKDNAEKHNGEDTNLNSRCS <mark>IMRI</mark> VL <mark>LGKTG</mark> CGKS 237
XP 022302920.1 GIMAP 4-like Crassostrea virginica	MCSNL <mark>RI</mark> VL <mark>LGKTGSGKS</mark> 18
XP 022300251.1 GIMAP 7-like Crassostrea virginica	METLQDNGEFRLVLLGKTGSGKS 23
XP 022287294.1 GIMAP 4-like isoform X1 Crassostrea virginica	NNEVRILLIGKTGTGKS 26
XP 022287295.1 GIMAP 4-like isoform X1 Crassostrea virginica	NNEVRILLIGKTGTGKS 26
XP 022292452.1 GIMAP 4-like Crassostrea virginica	DSSNNERRILLIGKTGVGKS 64 DSSNNERRILL
XP 022292453.1 GIMAP 4-like Crassostrea virginica XP 022291927.1 GIMAP 4-like Crassostrea virginica	DFNNNERRILLIGKTGVGKS 51
XP 022295273.1 GIMAP 4-like isoform X1 Crassostrea virginica	AINSNEIRILLIGKTGVGKS 68
XP 022295274.1 GIMAP 4-like isoform X1 Crassostrea virginica	AINSNEIRILLIGKTGVGKS 68
XP 022295275.1 GIMAP 4-like isoform X2 Crassostrea virginica	AINNDEVRILLIGKTGVGKS 68
XP 022295276.1 GIMAP 4-like isoform X2 Crassostrea virginica	AINNDEVRILLIGKTGVGKS 68
XP 022295277.1 GIMAP 4-like isoform X2 Crassostrea virginica	AINNDEVRI <mark>L</mark> LIGKTGVGKS 68
XP 022295278.1 GIMAP 4-like isoform X2 Crassostrea virginica	AINNDEVRILLIGKTGVGKS 68
XP 022295279.1 GIMAP 4-like isoform X2 Crassostrea virginica	AINNDEVRILLIGKTGVGKS 68
XP 022295280.1 GIMAP 4-like isoform X3 Crassostrea virginica	LI <mark>GKTGVGKS</mark> 68

XP 022295280.1 GIMAP 4-like isoform X3 Crassostrea virginica

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ATTNTILG.PATVRPTLPKISYDIESEKKYAIRFNRLVSIVEMSDIFDKE
XP 022296317.1 GIMAP 4-like Crassostrea virginica
                                                                                                                                                     ATTINTILG .PARVRPTLPKISYDIESEKRYAVRFNRLVSIVEMSDIFVKE
ATTINTILG .PATVRPTLPKISYDIESEKKYAIRFNRLVSIVEMSDIFUKE
ATGNSILG .KRVFASSMSPASVTSKCSQSHTTRFGKKIVIVDTPGIYDTN
ATGNSILG .KRVFASSMSPASVTSKCSQSHTTRFGKKIVIVDTPGIYDTN
ATGNSILG .ERVFASSMSPASVTSKCSQSHTTRFGKKIVIVDTPGIYDTN
ATGNSILG .ERVFASSMSPASVTSKCSQSHTTRFGKKIVIVDTPGIYDTN
ATGNSILG .ERVFASSMSPASVTSKCSQSHTTRFGKKIVIVDTPGIYDTN
ATGNSILG .KKAFVSSMSPASVTSKCSQSHTTRFGKKIVIVDTPGIYDTN
ATGNSILG .KKAFVSSMSSATGASTYYQSHNTRVRQKIVIVDTPGISDTN
ATGNTILG .FKKFSSKLSAISETSVCSLSIVCRFNKKIIIVDTPGICDTD
ATGNTILG .IKKFKSELSGKSETKMCSQWSAIRFNKKVLVIDTPGVFDTD
ATGNTILG .KKNFESTFSGSSVTRVCSKKFSIRFGYKLLVVDTPGIFDTT
ATGNTILG .KYNFESTFSGSSVTRVCSKKFSIRFGYKLLVVDTPGIFDTT
ATGNTILG .KYNFESTSVLSGSSTTRTCCSGNSAVRFKRKVVVDTPGIFDTK
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XP 022302183.1 GIMAP 4-like Crassostrea virginica
XP 022303805.1 GIMAP 4-like isoform X3 Crassostrea virginica
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XP 022303806.1 GIMAP 4-like isoform X3 Crassostrea virginica
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XP 022304626.1 GIMAP 4-like isoform X1 Crassostrea virginica
XP 022304627.1 GIMAP 4-like isoform X2 Crassostrea virginica
XP 022304628.1 GIMAP 4-like isoform X3 Crassostrea virginica
XP 022307700.1 GIMAP 4-like Crassostrea virginica
XP 022335699.1 GIMAP 4-like Crassostrea virginica
XP 022297635.1 GIMAP 4-like Crassostrea virginica
XP 022291746.1 GIMAP 4-like Crassostrea virginica
XP 022299405.1 GIMAP 7-like isoform X1 Crassostrea virginica
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XP 022299409.1 GIMAP 7-like isoform X4 Crassostrea virginica
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XP 022299416.1 GIMAP 7-like isoform X8 Crassostrea virginica
XP 022299418.1 GIMAP 7-like isoform X9 Crassostrea virginica
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XP 022299408.1 GIMAP 7-like isoform X3 Crassostrea virginica
XP 022299407.1 GIMAP 7-like isoform X2 Crassostrea virginica
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XP 022299410.1 GIMAP 7-like isoform X5 Crassostrea virginica
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XP 022299411.1 GIMAP 7-like isoform X6 Crassostrea virginica
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XP 022299412.1 GIMAP 7-like isoform X6 Crassostrea virginica
XP 022299413.1 GIMAP 7-like isoform X6 Crassostrea virginica
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XP 022299414.1 GIMAP 7-like isoform X6 Crassostrea virginica
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XP 022299415.1 GIMAP 7-like isoform X7 Crassostrea virginica
XP 022291053.1 GIMAP 4-like Crassostrea virginica
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XP 022304158.1 GIMAP 7-like Crassostrea virginica
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                                                                                                                                                     ATGNSIIG.SAQFKSSASGHPLTSTCSFQSADRFGKEIVVVDTPGLFDTK
TTGNSILK.TINFETSVLAGSCTQICTLREGVIFDKKVVLIDTPGIFDTK
ATGNTILG.LKRFNSRLSGSSITRICSQNSAVRFKRKIVIVDTPGIFDTK
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ATGNTILG.SERFRTMISGSSVTHVCSQNSVDRFNRKIVIVDTPGIFDTE
ATGNTILG.SEKFRTMISGSSVTHVCSQNFAYRFDRKIVIVDTPGIFDTE
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ATGNTIFG.SVKFQSKLSGISVTHVCSQDYTIRFSKKIVIVDTPGIFDTS
ATGNTIFG.CEKFQAKLSGSSVTHVCSQNSAIRFNKKIVIVDTPGIFDTS
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XP 022304950.1 GIMAP 7-like Crassostrea virginica
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XP 022310198.1 GIMAP 4-like Crassostrea virginica
XP 022296314.1 GIMAP 4-like Crassostrea virginica
XP 022301668.1 GIMAP 4-like Crassostrea virginica
XP 022301131.1 GIMAP 4-like Crassostrea virginica
XP 022301812.1 GIMAP 4-like Crassostrea virginica
XP 022301132.1 GIMAP 4-like Crassostrea virginica
XP 022301145.1 GIMAP 4-like Crassostrea virginica
XP 022301588.1 GIMAP 4-like Crassostrea virginica
XP 022301589.1 GIMAP 4-like Crassostrea virginica
                                                                                                                                                                                                                                                                       87
XP 022301590.1 GIMAP 7-like Crassostrea virginica
XP 022296665.1 GIMAP 4-like Crassostrea virginica
XP 022296700.1 GIMAP 4-like Crassostrea virginica
XP 022295827.1 GIMAP 4-like Crassostrea virginica
XP 022301840.1 GIMAP 4-like Crassostrea virginica
XP 022300528.1 LOW QUALITY PROTEIN: GIMAP 4-like Crassostrea virginica
                                                                                                                                                                                                                                                                     110
XP 022298533.1 GIMAP 4-like, partial Crassostrea virginica
XP 022297620.1 GIMAP 7-like isoform X3 Crassostrea virginica
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XP 022302920.1 GIMAP 4-like Crassostrea virginica
XP 022300251.1 GIMAP 7-like Crassostrea virginica
                                                                                                                                                                                                                                                                       72
XP 022287294.1 GIMAP 4-like isoform X1 Crassostrea virginica
                                                                                                                                                                                                                                                                       74
                                                                                                                                                       TTGNTILG.RKAFATMLSATPVTSKTEYQMERRFGKKLVVVDTPGLCDP.
XP 022287295.1 GIMAP 4-like isoform X1 Crassostrea virginica
XP 022292452.1 GIMAP 4-like Crassostrea virginica
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                                                                                                                                                       TTGNTILG.FDAFDSKTSTTSVTTQTQFSETERFGRRLVVVDTPGLFDT
XP 022292453.1 GIMAP 4-like Crassostrea virginica
                                                                                                                                                                                                                                                                     112
                                                                                                                                                       TTGNTILG.FPAFKTDTSATSVTTQTQYNEADRFGKRLIVVDTPGYLDT.
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XP 022291927.1 GIMAP 4-like Crassostrea virginica
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TTGNTILG.FRAFGTKVSASSVTTQTQYNETERFGKRLVVVDTPGLFDT.
XP 022295273.1 GIMAP 4-like isoform X1 Crassostrea virginica
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XP 022295274.1 GIMAP 4-like isoform X1 Crassostrea virginica
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                                                                                                                                                      TTGNTILG.FRAFDTKVSASSVTTQTQYNETDRFGKRLVVVDTPGLFDTTGNTILG.FRAFDTKVSASSVTTQTQYNETDRFGKRLVVVDTPGLFDT
XP 022295275.1 GIMAP 4-like isoform X2 Crassostrea virginica
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XP 022295276.1 GIMAP 4-like isoform X2 Crassostrea virginica
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                                                                                                                                                      TTGNTILG.FRAFDTKVSASSVTTQTQYNETDRFGKRLVVVDTPGLFDT.
TTGNTILG.FRAFDTKVSASSVTTQTQYNETDRFGKRLVVVDTPGLFDT.
TTGNTILG.FRAFDTKVSASSVTTQTQYNETDRFGKRLVVVDTPGLFDT.
XP 022295277.1 GIMAP 4-like isoform X2 Crassostrea virginica
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XP 022295278.1 GIMAP 4-like isoform X2 Crassostrea virginica
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XP 022295279.1 GIMAP 4-like isoform X2 Crassostrea virginica
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TTGNTILG.FRAFDTKVSASSVTTQTQYNETDRFGKRLVVVDTPGLFDT

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VD 000000217 1 GIMAD A libe Generation minimize	
XP 022296317.1 GIMAP 4-like Crassostrea virginica	ENSEQFLDDMFKCICLSSPGPHAFVFVFNGTKV 110
XP 022302183.1 GIMAP 4-like Crassostrea virginica	ENSEQFLDDMFKCICLSSPGPHAFVFVFNGTKV 110
XP 022303805.1 GIMAP 4-like isoform X3 Crassostrea virginica	RTKKQINEEIQRCIGISSPGPHGFIFVLS.PLR 170
XP 022303806.1 GIMAP 4-like isoform X3 Crassostrea virginica	RTKKQINEEIQRCIGISSPGPHGFIFVLS.PLR 170
XP 022304626.1 GIMAP 4-like isoform X1 Crassostrea virginica	RTKKQINEEIQRCIGISSPGPHGFIFVLS.PLR 143
XP 022304627.1 GIMAP 4-like isoform X2 Crassostrea virginica	RTKKQINEEIQRCIGISSPGPHGFIFVLS.PLR 124
XP 022304628.1 GIMAP 4-like isoform X3 Crassostrea virginica	RTKKQINEEIQRCIGISSPGPHGFIFVLS.PLR 118
XP 022307700.1 GIMAP 4-like Crassostrea virginica	RTKNQINEVIQRSIGISAPGPHVFIFVLS.SIR 208
XP 022335699.1 GIMAP 4-like Crassostrea virginica	KKKTNDVIQLEISKCICMTSPGPHAFILVISITSR 116
XP 022297635.1 GIMAP 4-like Crassostrea virginica	QTNEFTQEEISKCIGISSPGPHAFITVINIANR 115
XP 022291746.1 GIMAP 4-like Crassostrea virginica	ktnektèqemykcismtypgphaflfviniavr 332
XP 022299405.1 GIMAP 7-like isoform X1 Crassostrea virginica	QSNEDIQEEIKKCVLLTSPGPHAFILILRLDAR 243
XP 022299409.1 GIMAP 7-like isoform X4 Crassostrea virginica	QSNEDIQEEIKKCVLLTSPGPHAFILILRLDAR 241
XP 022299416.1 GIMAP 7-like isoform X8 Crassostrea virginica	QSNEDIQEEIKKCVLLTSPGPHAFILILRLDAR 230
XP 022299418.1 GIMAP 7-like isoform X9 Crassostrea virginica	QSNEDIQEEIKKCVLLTSPGPHAFILILRLDAR 229
XP 022299408.1 GIMAP 7-like isoform X3 Crassostrea virginica	QSNEDIQEEIKKCVLLTSPGPHAFILILRLDAR 241
XP 022299407.1 GIMAP 7-like isoform X2 Crassostrea virginica	QSNEDIQEEIKKCVLLTSPGPHAFILILRLDAR 242
XP 022299410.1 GIMAP 7-like isoform X5 Crassostrea virginica	QSNEDIQEEIKKCVLLTSPGPHAFILILRLDAR 240
XP 022299411.1 GIMAP 7-like isoform X6 Crassostrea virginica	QSNEDIQEEIKKCVLLTSPGPHAFILILRLDAR 232
XP 022299412.1 GIMAP 7-like isoform X6 Crassostrea virginica	QSNEDIQEEIKKCVLLTSPGPHAFILILRLDAR 232
XP 022299413.1 GIMAP 7-like isoform X6 Crassostrea virginica	QSNEDIQEEIKKCVLLTSPGPHAFILILRLDAR 232
XP 022299414.1 GIMAP 7-like isoform X6 Crassostrea virginica	QSNEDIQEEIKKCVLLTSPGPHAFILILRLDAR 232
XP 022299413.1 GIMAP 7-like isoform X6 Crassostrea virginica XP 022299414.1 GIMAP 7-like isoform X6 Crassostrea virginica XP 022299415.1 GIMAP 7-like isoform X7 Crassostrea virginica	QSNEDIQEEIKKCVLLTSPGPHAFILILRLDAR 231
AP U22291053.1 GIMAP 4-11ke Crassostrea Virginica	EINEKIQQEINKOIGIISPGPHAFIMVISIANK 200
XP 022304158.1 GIMAP 7-like Crassostrea virginica	QSNKIIQDEISKCITLSSPGPHAFILVLSISNR 217
XP 022304950.1 GIMAP 7-like Crassostrea virginica	KTTKKVLNEISKCIGLSSPGPHAFIMVLSVGSD 163
XP 022310198.1 GIMAP 4-like Crassostrea virginica	ESNDEIQQEILRCIQLSSPGPHAFIFVLNIATR 212
XP 022296314.1 GIMAP 4-like Crassostrea virginica	QTNEEVQNEIYKCIGITSPGPHAFILVLSLAAR 103
XP 022301668.1 GIMAP 4-like Crassostrea virginica	QTNEEVQNEIYKCIGITSPGPHAFILVLSLAAR 103
XP 022301131.1 GIMAP 4-like Crassostrea virginica	ETNEKVQEEIYKCIGITSPGPHAFILVINVAER 120
XP 022301812.1 GIMAP 4-like Crassostrea virginica	ETNEKVQEEIYKCIGITSPGPHAFILVINAAER 100
XP 022301132.1 GIMAP 4-like Crassostrea virginica	ETNEKIQEEIFKCIGITSPGPHAFILVINAAER 100
XP 022301145.1 GIMAP 4-like Crassostrea virginica	ETNEKVQEEIYKCIGITSPGPHAFILVINAAER 100
XP 022301588.1 GIMAP 4-like Crassostrea virginica	ESNENVQEEINKCIGITSPGPHAFILVLNIVER 120
XP 022301589.1 GIMAP 4-like Crassostrea virginica	ESNENVQEEINKCIGITSPGPHAFILVLNIVER 120
XP 022301590.1 GIMAP 7-like Crassostrea virginica	ESNEKVQEEINKCIGITSPGPHAFILVLNITER 118
XP 022296665.1 GIMAP 4-like Crassostrea virginica	IPNDVVQREIVKCIGMTSPGPHCFLLVL.GLSR 177
XP 022296700.1 GIMAP 4-like Crassostrea virginica	IPNDVVQREIVKCIGMTSPGPHCFLLVL.GLSR 177
XP 022295827.1 GIMAP 4-like Crassostrea virginica	IPNHVVQREIVKCIGMTSPGPHCFLLVL.GLSR 177
XP 022301840.1 GIMAP 4-like Crassostrea virginica	
XP 022300528.1 LOW QUALITY PROTEIN: GIMAP 4-like Crassostrea virginica	APNDVVQREIVKCIGITSPGPHCFLLVL.GLSR 142
XP 022298533.1 GIMAP 4-like, partial Crassostrea virginica	KPNDVVQREIIKCIGITSPGPHCFLLVM.GLSR 97
XP 022297620.1 GIMAP 7-like isoform X3 Crassostrea virginica	TPNDVVQKKIFHCIAMTSPGPHCFLLVL.EVSR 318
XP 022302920.1 GIMAP 4-like Crassostrea virginica	TPNDVVQKK <mark>IFQC</mark> VAMT <mark>SPGPHCFL</mark> LVL.EVSR 99 VSNDVIMTEVARCLALSAPGPHVFTYVFNALSR 105
XP 022300251.1 GIMAP 7-like Crassostrea virginica	
XP 022287294.1 GIMAP 4-like isoform X1 Crassostrea virginica	SQSDTKIITEISKWYTLMSPGIHAILLVVK.AGR 107 SQSDTKIITEISKWYTLMSPGIHAILLVVK.AGR 107
XP 022287295.1 GIMAP 4-like isoform X1 Crassostrea virginica XP 022292452.1 GIMAP 4-like Crassostrea virginica	
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XP 022292453.1 GIMAP 4-like Crassostrea virginica	TKTKEELKLEISRWYSILSPGIHAIILVVQ.VGR 145 NMTKNEIEMEISRWYSLVSPGIHAIILVVR.VGR 132
XP 022291927.1 GIMAP 4-like Crassostrea virginica	
XP 022295273.1 GIMAP 4-like isoform X1 Crassostrea virginica	NRTEQDILVEMSKWYSLVSPGIHAIILVVQ.VGR 149
XP 022295274.1 GIMAP 4-like isoform X1 Crassostrea virginica	NRTEQDILVEMSKWYSLVSPGIHAIILVVQ.VGR 149
XP 022295275.1 GIMAP 4-like isoform X2 Crassostrea virginica	NRTEQEILV <mark>EMSKWYSLVSPGIHAIILVVQ.VGR 149</mark> NRTEQEILV <mark>EMSKWYSLVSPG</mark> IHAIILVVQ.VGR 149
XP 022295276.1 GIMAP 4-like isoform X2 Crassostrea virginica	NRTEQEILVEMSKWYSLVSPGIHAIILVVQ.VGR 149
XP 022295277.1 GIMAP 4-like isoform X2 Crassostrea virginica	NRTEQEILVEMSKWYSLVSPGIHAIILVVQ.VGR 149
XP 022295278.1 GIMAP 4-like isoform X2 Crassostrea virginica	NRTEQEILVEMSKWYSLVSPGIHAIILVVQ.VGR 149
XP 022295279.1 GIMAP 4-like isoform X2 Crassostrea virginica	NRTEQEILVEMSKWYSLVSPGIHAIILVVQ.VGR 149
XP 022295280.1 GIMAP 4-like isoform X3 Crassostrea virginica	NRTEQEILV <mark>EMSK</mark> WYSLV <mark>SPGIHA</mark> IILVVQ.VGR 149

XP 022295280.1 GIMAP 4-like isoform X3 Crassostrea virginica

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FILEBORALERS WITE G. BEIFFRICH LYTRKD BE DENGIL VRDHIKG.

TYREBORALERS WITE G. BILY BY STYLFTREDD LEDEN ISLFD LLRQ.

TYREBORALERS WITE G. BOLY BY STYLFTREDD LEDEN ISLFD LLRQ.

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XP 022296317.1 GIMAP 4-like Crassostrea virginica	YPENLQKFLGNCEGGVFAMSDNIRDSDQDKEVQKLLNK 195
XP 022302183.1 GIMAP 4-like Crassostrea virginica	ypen <mark>l</mark> QKf <mark>I</mark> GNCeGGVFAMSDNIRDSDQDKEVQK <mark>LL</mark> NK 195
XP 022303805.1 GIMAP 4-like isoform X3 Crassostrea virginica	APENLRNFVKKCGGRTVVFNNKLKGDENDQQVQYLLDF 255
XP 022303806.1 GIMAP 4-like isoform X3 Crassostrea virginica	APENLRNFVKKCGGRTVVFNNKLKGDENDQQVQYLLDF 255
XP 022304626.1 GIMAP 4-like isoform X1 Crassostrea virginica	APENLRNFVKKCGGRTVVFNNKLKGDENDKQVQHLLDF 228
XP 022304627.1 GIMAP 4-like isoform X2 Crassostrea virginica	APENLRNFVKKCGGRTVVFNNKLKGDENDKQVQHLLDF 209
XP 022304628.1 GIMAP 4-like isoform X3 Crassostrea virginica	APENLRNFVKKCGGRTVVFNNKLKGDENDKQVQHLLDF 203
XP 022307700.1 GIMAP 4-like Crassostrea virginica	APENLRNFVKKCGGRTVVFNNKLKGDENDKQVQHLLDF 203 APENLQNFIKKCGGRTLVFNNNLKGEENDKQVQCLLNF 293
XP 022335699.1 GIMAP 4-like Crassostrea virginica	SPAELQSLTKKCEGRVFALNNMIKGSKQINEVKILLNL 201
XP 022297635.1 GIMAP 4-like Crassostrea virginica	SPNDLKDLIKKCGDRVFAINNHLSGSKQDNEVNNLLNL 200
XP 022291746.1 GIMAP 4-like Crassostrea virginica	FPPALILLIQKCGGRAIAFDNTLKGEELDTQVKYLLKE 417
XP 022299405.1 GIMAP 7-like isoform X1 Crassostrea virginica	TPIE <mark>L</mark> QTV <mark>IKKC</mark> GGRVIAFDNRCTEKEQSKQVQELLNT 328
XP 022299409.1 GIMAP 7-like isoform X4 Crassostrea virginica	TPIELQTVIKKCGGRVIAFDNRCTEKEQSKQVQELLNT 326
XP 022299416.1 GIMAP 7-like isoform X8 Crassostrea virginica	TPIELQTVIKKCGGRVIAFDNRCTEKEQSKQVQELLNT 315
XP 022299418.1 GIMAP 7-like isoform X9 Crassostrea virginica	TPIELQTVIKKCGGRVIAFDNRCTEKEQSKQVQELLNT 314
XP 022299408.1 GIMAP 7-like isoform X3 Crassostrea virginica	TPIELQTVIKKCGGRVIAFDNRCTEKEQSKQVQELLNT 326
XP 022299407.1 GIMAP 7-like isoform X2 Crassostrea virginica	TPIE <mark>L</mark> QTV <mark>IKKC</mark> GGRVIAFDNRCTEKEQSKQVQELLNT 327
XP 022299410.1 GIMAP 7-like isoform X5 Crassostrea virginica	TPIELQTV <mark>IKKC</mark> GGRVIAFDNRCTEKEQSKQVQELLNT 325
XP 022299411.1 GIMAP 7-like isoform X6 Crassostrea virginica	TPIELQTV <mark>I</mark> K <mark>KC</mark> GGRVIAFDNRCTEKEQSKQVQELLNT 317
XP 022299412.1 GIMAP 7-like isoform X6 Crassostrea virginica	TPIELQTV <mark>IKKCGGRVIA</mark> FDNRCTEK <mark>EQSKQV</mark> QELLNT 317
XP 022299413.1 GIMAP 7-like isoform X6 Crassostrea virginica	TPIELQTV <mark>IKKCGGRVIA</mark> FDNRCTEK <mark>EQSKQV</mark> QELLNT 317
XP 022299414.1 GIMAP 7-like isoform X6 Crassostrea virginica	TPIELQTV <mark>IKKCGGRVIA</mark> FDNRCTEK <mark>EQSKQV</mark> QELLNT 317
XP 022299415.1 GIMAP 7-like isoform X7 Crassostrea virginica	TPIELQTVIKKCGGRVIAFDNRCTEKEQSKQVQELLNT 316
XP 022291053.1 GIMAP 4-like Crassostrea virginica	SPPNLRLFIKRCGGKVFAIDNTLAGNRQDQQVGKLLSE 291
XP 022304158.1 GIMAP 7-like Crassostrea virginica	SPVELINFIEKCGKRAVAFDNTLKDEASERQVKELLDL 302
XP 022304950.1 GIMAP 7-like Crassostrea virginica	SPPRLVKFIEKCGARVVAFDNTLNGKASDDQVQDLLEL 248
XP 022310198.1 GIMAP 4-like Crassostrea virginica	SDENLKSFIAKCGGGAFAIENTLEGGKMDEQVQELLNR 297
XP 022296314.1 GIMAP 4-like Crassostrea virginica	SPPSLQTFVQKCGNRVIAFDNNLEGVEQDEQVEKLLDL 189
XP 022301668.1 GIMAP 4-like Crassostrea virginica	SPPNLRTFVQKCGNRVIAFDNNLEGVEQDGQVEKLLDL 189
XP 022301131.1 GIMAP 4-like Crassostrea virginica	CPFKLRRFIEKCGNRVIAFDNNLEGLEQNVQVKSLLDI 205
XP 022301812.1 GIMAP 4-like Crassostrea virginica	CPSKLRRFIEKCGNRVLAFDNNLEGLEQSEQVKRLLDI 185
XP 022301132.1 GIMAP 4-like Crassostrea virginica	CPSKLQRFIEKCGNRILAFDNNLEGPEQNEQVKKLLDI 185
XP 022301145.1 GIMAP 4-11ke Crassostrea virginica	CPYKLQQFIEKCGNRVLAFDNNLEGLEQNEQVKGMLDI 185
XP 022301588.1 GIMAP 4-11ke Crassostrea Virginica	CPPKLQKFIHKCGNRVIAFENKVKGVEQDTQVKELLKI 205
AP 022301509.1 GIMAP 4-11ke Crassostrea Virginica	CPPKLQKFIHKCGNRVIAFENKVKGVEQDTQVKELLKI 205 CPSKLQKFIQKCGNRVLAFENKLKGVEQDTQVKELLHI 203
AP 022301390.1 GIMAP /-IIKE Crassostrea VIIgInica	VPQSLKTIISKCDHRCIAFNNRAPSPARHDQVEDLLEM 262
Ar 022290001.1 GIMAR 4-like Glassostied Viiginica	VPQSEKTITSKODHRCTAFNNRAPSPARHDQVEDLLEM 262
AF 022230701 GIMAP 4 like Grassostras virginica	VPQSLKTIISKODINGTAFNNRAPSPARHDQVEDLLEM 262
AN 02220027.1 GIMAP 4-like Grassostrea Virginica YP 02301840.1 GIMAP 4-like Grassostrea Virginica	VPESLKTIIAKCNHRCIAFNNTASSPAKEDQVEDLLKM 205
XP 022300528 1 LOW QUALITY PROTEIN: GIMAP 4-like Crassostrea virginica	VPQNLKTIIAKCGHRCIAFNNRAPXSCENKQVEDLLKM 227
XP 022298533.1 GTMAP 4-like, partial Crassostrea virginica	VPESLKTIIVKCNHCCIAFNNTAPSPAKEDQVADLLKI 182
XP 022297620.1 GIMAP 7-like isoform X3 Crassostrea virginica	VPEDLKTIIKNCNNRCIALNNRAPGSEKEEQVKNLLEM 403
XP 022302920.1 GIMAP 4-like Crassostrea virginica	APEDLKTIIEKCNNRCIAFNNRASGSEQEEQVNHLLAE 184
XP 022300251.1 GIMAP 7-like Crassostrea virginica	VSTNFKTFLSNCKWRVCWFDNTLSGSNAGTQVRALLSE 190
XP 022287294.1 GIMAP 4-like isoform X1 Crassostrea virginica	KSSNLYKLIEEINRRYVAVGVRDENEKEILEILSM 191
XP 022287295.1 GIMAP 4-like isoform X1 Crassostrea virginica	KSSNLYKLTEEINRRYVAVGVRDENEKEILEILSM 191 KSSNLYKLTEEINRRYVAVGVRDENEKEILEILSM 191
XP 022292452.1 GIMAP 4-like Crassostrea virginica	KSTKFRKL <mark>I</mark> DTNN. <mark>R</mark> YIAMGYQGNVQDRDDE <mark>V</mark> KQILSM 231
XP 022292453.1 GIMAP 4-like Crassostrea virginica	KSTIFRKLVDTNN. GYIAMGYQGNFKDRDDEVKQLLSM 231
XP 022291927.1 GIMAP 4-like Crassostrea virginica	KSSNTRKLVDANN.RYMAMGYTGNVKDRDDEVKQTLSM 216
XP 022295273.1 GIMAP 4-like isoform X1 Crassostrea virginica	KSSN <mark>L</mark> RRL <mark>I</mark> DASKG <mark>R</mark> YT <mark>A</mark> IGYKGKME E RTME <mark>V</mark> KQI L SM 236
XP 022295274.1 GIMAP 4-like isoform X1 Crassostrea virginica	KSSN <mark>L</mark> RRL <mark>I</mark> DASKG <mark>R</mark> YT <mark>A</mark> IGYKGKME <mark>E</mark> RTME <mark>V</mark> KQI <mark>L</mark> SM 236
XP 022295275.1 GIMAP 4-like isoform X2 Crassostrea virginica	KSSNLRRLIDASKGRYTAIGYKGKIEERTMEVKQILSM 236
XP 022295276.1 GIMAP 4-like isoform X2 Crassostrea virginica	KSSN <mark>L</mark> RRL <mark>I</mark> DASKG <mark>R</mark> YT <mark>A</mark> IGYKGKIE <mark>E</mark> RTME <mark>V</mark> KQI <mark>L</mark> SM 236
XP 022295277.1 GIMAP 4-like isoform X2 Crassostrea virginica	KSSNLRRLIDASKGRYTAIGYKGKIEERTMEVKQILSM 236
XP 022295278.1 GIMAP 4-like isoform X2 Crassostrea virginica	KSSNLRRLIDASKGRYTAIGYKGKIEERTMEVKQILSM 236
XP 022295279.1 GIMAP 4-like isoform X2 Crassostrea virginica	KSSNLRRLIDASKGRYTAIGYKGKIEERTMEVKQILSM 236
XP 022295280.1 GIMAP 4-like isoform X3 Crassostrea virginica	KSSN <mark>L</mark> RRL <mark>I</mark> DASKG <mark>R</mark> YT <mark>A</mark> IGYKGKIE <mark>E</mark> RTME <mark>V</mark> KQI <mark>L</mark> SM 236

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XP 022296317.1 GIMAP 4-like Crassostrea virginica	VIENVS.KRSSK <mark>YY</mark> SEDM <mark>Y</mark> RQ <mark>A</mark> KN	QIRREBIRR 227
XP 022296317.1 GIMAP 4-like Crassostrea virginica XP 022302183.1 GIMAP 4-like Crassostrea virginica XP 022303805.1 GIMAP 4-like isoform X3 Crassostrea virginica	VIENVS.KRSSK <mark>YY</mark> SEDM <mark>Y</mark> RQ <mark>A</mark> KN VIENVS.KRSSK <mark>YY</mark> SEDM <mark>Y</mark> RQ <mark>A</mark> KN	QIRREEIRR 227
XP 022303805.1 GIMAP 4-like isoform X3 Crassostrea virginica	VSENVA.KNDGKCYTNEMYIEAEK	YIRKLEAQR 287
XP 022303806.1 GIMAP 4-like isoform X3 Crassostrea virginica XP 022304626.1 GIMAP 4-like isoform X1 Crassostrea virginica XP 022304627.1 GIMAP 4-like isoform X2 Crassostrea virginica	VSENVA.K <mark>N</mark> DGKC <mark>YTNEM</mark> YIE <mark>AEK</mark> VSENVA.K <mark>N</mark> DGKCYTNEMYIE <mark>AEK</mark>	YIRKL <mark>E</mark> AQR 287
XP 022304626.1 GIMAP 4-like isoform X1 Crassostrea virginica	VSENVA.KNDGKCYTNEMYIEAEK	YIRKLEAQR 260
XP 022304627.1 GIMAP 4-like isoform X2 Crassostrea virginica	VSENVA.KNDGKCYTNEMYIEAEK	YIRKLEAQR 241
XP 022304628.1 GIMAP 4-like isoform X3 Crassostrea virginica	VSENVA.K <mark>N</mark> DGKC <mark>Y</mark> TNEM <mark>Y</mark> IE <mark>AEK</mark> VSENVR.K <mark>N</mark> DGK <mark>YYTN</mark> EMFIEEE <mark>T</mark>	YIRKLEAQR
XP 022304628.1 GIMAP 4-like isoform X3 Crassostrea virginica XP 022307700.1 GIMAP 4-like Crassostrea virginica XP 022335699.1 GIMAP 4-like Crassostrea virginica XP 022297635.1 GIMAP 4-like Crassostrea virginica XP 022291746.1 GIMAP 4-like Crassostrea virginica XP 022291405.1 GIMAP 4-like isoform X1 Crassostrea virginica XP 022299409.1 GIMAP 7-like isoform X4 Crassostrea virginica XP 022299416.1 GIMAP 7-like isoform X8 Crassostrea virginica XP 022299418.1 GIMAP 7-like isoform X9 Crassostrea virginica	ISENVA.NNFNECYTNDAFKRAEE	EIQKQIQKE
XP 022297635.1 GIMAP 4-like Crassostrea virginica	ISENMV.KNMKAYYTNDLYEKAER	EILKEEMKR
XP 022291746.1 GIMAP 4-like Crassostrea virginica	IQTNLE.RNGGECFTGEMYRDFEE	EIQKIDTEK
XP 022299405.1 GIMAP 7-like isoform X1 Crassostrea virginica	VLENVK.A <mark>NGGEYYTNRM</mark> YIEAEK	DMRKREEER 360
XP 022299409.1 GIMAP 7-like isoform X4 Crassostrea virginica	VLENVK.A <mark>NG</mark> GEYYTNRMYIEAEK	DMRKREEER
XP 022299416.1 GIMAP 7-like isoform X8 Crassostrea virginica	VLENVK.A <mark>NG</mark> GE <mark>YY</mark> TNRMYIEAEK	DMRKREEER
XP 022299416.1 GIMAP 7-like isoform X8 Crassostrea virginica XP 022299418.1 GIMAP 7-like isoform X9 Crassostrea virginica XP 022299408.1 GIMAP 7-like isoform X3 Crassostrea virginica XP 022299407.1 GIMAP 7-like isoform X2 Crassostrea virginica XP 022299410.1 GIMAP 7-like isoform X5 Crassostrea virginica	VLENVK.ANGGEYYTNRMYIEAEK	DMRKREEER 346
XP 022299408.1 GIMAP /-like isoform X3 Crassostrea virginica	VLENVK.ANGGEYYTNRMYIEAEK	DMRKREEER
XP 022299407.1 GIMAP 7-like isoform X2 Crassostrea Virginica XP 022299410.1 GIMAP 7-like isoform X5 Crassostrea Virginica	VLENVK.A <mark>NG</mark> GEYYTNRMYIEAEK VLENVK.ANG <mark>GEYYTN</mark> RM <mark>Y</mark> IEAEK	DMRKREEER
XP 022299410.1 GIMAP 7-like isoform X6 Crassostrea virginica	VLENVK.ANGGETTINRMTTEREK VLENVK.ANGGEYYTNRMYIEAEK	DMRKREEER
XP 02229412 1 GIMAP 7-like isoform X6 Crassostrea virginica	VLENVK.ANGGEYYTNRMYIEAEK	DMRKREEER
XP 022299413.1 GIMAP 7-like isoform X6 Crassostrea virginica	VLENVK.ANGGEYYTNRMYIEAEK	DMRKREEER
XP 022299414.1 GIMAP 7-like isoform X6 Crassostrea virginica	VLENVK.ANGGEYYTNRMYIEAEK	DMRKREEER
XP 022299412.1 GIMAP 7-like isoform X6 Crassostrea virginica XP 022299413.1 GIMAP 7-like isoform X6 Crassostrea virginica XP 022299414.1 GIMAP 7-like isoform X6 Crassostrea virginica XP 022299415.1 GIMAP 7-like isoform X7 Crassostrea virginica XP 022291053.1 GIMAP 4-like Crassostrea virginica	VLENVK.A <mark>NG</mark> GEYYTNRMYIEAEK	DMRKR <mark>E</mark> EER
XP 022291053.1 GIMAP 4-like Crassostrea virginica	IFRNLE.Q <mark>NG</mark> YD <mark>YY</mark> TDEM <mark>Y</mark> QEAERKI	QEIENEMKKRDEEQRIKE 334
XP 022304158.1 GIMAP 7-like Crassostrea virginica	ISUNVA.K <mark>NG</mark> GRWYTDQMFKEAEE	DIKKMEEKK
XP 022304950.1 GIMAP 7-like Crassostrea virginica	ICKNIQ.NNGDECYRDPIFMKAEK	CIQEMENEK 280
XP 022310198.1 GIMAP 4-like Crassostrea virginica	ISQNVK.NNRGECYTNDMYKKAER	EINKIESMK
XP 022296314.1 GIMAP 4-like Crassostrea virginica	ILÊNVQ.E <mark>NG</mark> GEF <mark>YKNEL</mark> YVEAEM ILENVR.E <mark>NG</mark> GEFYKNELYVEAEM	KIQTVEEKK
XP 022301668.1 GIMAP 4-like Crassostrea virginica XP 022301131.1 GIMAP 4-like Crassostrea virginica	ILENVK.RIGDDFYTNDMYIEAEK	KILQVEEEK
XP 022301812.1 GIMAP 4-like Crassostrea virginica	ILENVK.RIGDDFTTNDMYTEAEK	KILLVEEEK
XP 022301132.1 GIMAP 4-like Crassostrea virginica	ILENVK.RHGDDFYTNDMYIEAEN	KIQLIEKEK
XP 022301145.1 GIMAP 4-like Crassostrea virginica	ILENVK.RIGDNFYTNDMYIEAEK	KILLVEEEK 217
XP 022301588.1 GIMAP 4-like Crassostrea virginica	IEKNVS.E <mark>NGGRFYTNEKYNTAEQ</mark>	KIKAIEEKR 237
XP 022301589.1 GIMAP 4-like Crassostrea virginica	IEKNVS.ENGGRFMTNEKMNTADO	KIKAIDEKR 237
XP 022301590.1 GIMAP 7-like Crassostrea virginica	IEKNVS.E <mark>NG</mark> GKFYTNEMYITAER INDIVS.NNHGDC <mark>YTN</mark> DV <mark>Y</mark> SEAEK	EIKAIEEKR 235
XP 022296665.1 GIMAP 4-like Crassostrea virginica	INDIVS.NNHGDCYTNDVYSEAEK	VMKQRQYQI
XP 022296700.1 GIMAP 4-like Crassostrea virginica	INDIVS.N <mark>N</mark> HGDC <mark>YTN</mark> DMYSE <mark>AEK</mark> INDIVS.N <mark>N</mark> HGDCYTNDMYSE <mark>AEK</mark>	VMKQRQYQI
XP 022295827.1 GIMAP 4-like Crassostrea virginica XP 022301840.1 GIMAP 4-like Crassostrea virginica	TDDMVC NMHCCHYTYNMYRFAKK	VMKHRKYQE
XP 022300528.1 LOW QUALITY PROTEIN: GIMAP 4-like Crassostrea virginica	IDDIIR.QNNGRFYTNEMYAEAEK	VMKHRQYQI
XP 022298533.1 GIMAP 4-like, partial Crassostrea virginica	EKELLE.LEI.ECIQKEDNRHSHR	HERERQRER
XP 022297620.1 GIMAP 7-like isoform X3 Crassostrea virginica	IDKMVD.QNNGKFYTNKMYTEAEK	
XP 022302920.1 GIMAP 4-like Crassostrea virginica	IDRMVY.EKDGS <mark>YY</mark> TNNM <mark>Y</mark> IKGEE	VMKTREQEI
XP 022300251.1 GIMAP 7-like Crassostrea virginica	VEKMIKENGNIS <mark>YFTN</mark> TL <mark>Y</mark> TE <mark>AEK</mark>	LMKKR <mark>E</mark> EEI 223
XP 022287294.1 GIMAP 4-like isoform X1 Crassostrea virginica	IDAIGG.PHGDKYYSNEYFKETEK	CMEEMEKK 222
XP 022287295.1 GIMAP 4-like isoform X1 Crassostrea virginica	IDAIGG.PHGDKYYSNEYFKEIEK	CMEEMEKK
XP 022292452.1 GIMAP 4-like Crassostrea virginica	VEEISG.RDGSNYYSNKVFQNVEK	LLEEEDRRQSEET 267 LLQEEDRKQREKI 267
XP 022292453.1 GIMAP 4-like Crassostrea virginica XP 022291927.1 GIMAP 4-like Crassostrea virginica	VEEISG.KD <mark>G</mark> SN <mark>YYSN</mark> KIFQNV <mark>EK</mark> VEEISG.KD <mark>G</mark> NN <mark>YYSN</mark> KIFQEV <mark>EK</mark>	ILKEERKKTEEI 252
XP 022295273.1 GIMAP 4-like isoform X1 Crassostrea virginica	TEEIAG.EDGKNYYSNEVFRRVQE	DLEEIERKRIKKI 272
XP 022295274.1 GIMAP 4-like isoform X1 Crassostrea virginica	TEEIAG.EDGKNYYSNEVFRRVQE	DLEEIERKRIKKI 272
XP 022295275.1 GIMAP 4-like isoform X2 Crassostrea virginica	IEEIAG.KD <mark>G</mark> KN <mark>YY</mark> SNEVFQRVQ <mark>K</mark>	VMEENERK 267
XP 022295276.1 GIMAP 4-like isoform X2 Crassostrea virginica	IEEIAG.KD <mark>G</mark> KN <mark>YY</mark> SNEVFQRVQ <mark>K</mark>	VMEENERK
XP 022295277.1 GIMAP 4-like isoform X2 Crassostrea virginica	IEEIAG.KDGKNYYSNEVFQRVQK	VMEENERK
XP 022295278.1 GIMAP 4-like isoform X2 Crassostrea virginica	IEEIAG.KDGKNYYSNEVFQRVQK	VMEENERK
XP 022295279.1 GIMAP 4-like isoform X2 Crassostrea virginica	IEEIAG.KDGKNYYSNEVFQRVQK	VMEENERK
XP 022295280.1 GIMAP 4-like isoform X3 Crassostrea virginica	IEEIAG.KD <mark>G</mark> KN <mark>YY</mark> S <mark>N</mark> EVFQRVQ <mark>K</mark>	VMEENERK

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VD 00000017 1 GTWAD 4 1:1 Garage street and a simulation		0.00
XP 022296317.1 GIMAP 4-like Crassostrea virginica	NKEEQEKIKSVIEKHQKELQEMKISEAKVKASNET	262
XP 022302183.1 GIMAP 4-like Crassostrea virginica	NKEEQEKIKSVIEKHQKELQEMKISEAKVKASNET	262
XP 022303805.1 GIMAP 4-like isoform X3 Crassostrea virginica	KQMKREKKEQEYKKIKEEIEQKYLKAIQAGDEKLK	322
XP 022303806.1 GIMAP 4-like isoform X3 Crassostrea virginica	KQMKREKKEQEYKKIKEEIEQKYLKAIQAGDEKLK	322
XP 022304626.1 GIMAP 4-like isoform X1 Crassostrea virginica	KQMKREKLEQAYKKIKEEIEQKYLKAIQAGDEKLK	295
XP 022304627.1 GIMAP 4-like isoform X2 Crassostrea virginica		276
XP 022304628.1 GIMAP 4-like isoform X3 Crassostrea virginica	KQMKREKLEQAYKKIKEEIEQKYLKAIQAGDEKLK	270
XP 022307700.1 GIMAP 4-like Crassostrea virginica	KQIKREKTEQENKKIKDEKEQKYLEDIEAGDEKLK	360
XP 022335699.1 GIMAP 4-like Crassostrea virginica		250
XP 022297635.1 GIMAP 4-like Crassostrea virginica	KEQIQKELDRKVRELEE	249
XP 022291746.1 GIMAP 4-like Crassostrea virginica	TKQKEEKRIKEMKEIEALQAAIQQQEKMFKERYQ	466
XP 022299405.1 GIMAP 7-like isoform X1 Crassostrea virginica	LQAAIQQQEKMFKERYQ	377 375
XP 022299409.1 GIMAP 7-like isoform X4 Crassostrea virginica XP 022299416.1 GIMAP 7-like isoform X8 Crassostrea virginica		364
	LQAAIQQQEKMFKERYQ LQAAIQQQEKMFKERYQ	363
XP 022299418.1 GIMAP 7-like isoform X9 Crassostrea virginica XP 022299408.1 GIMAP 7-like isoform X3 Crassostrea virginica	LQAAIQQQEKMFKERYQ	375
XP 022299407.1 GIMAP 7-like isoform X2 Crassostrea virginica	LQAAIQQQEKMFKERYQ	376
<u> </u>	LQAAIQQQEKMFKERYQ	374
XP 022299410.1 GIMAP 7-like isoform X5 Crassostrea virginica	LQAAIQQQEKMFKERYQ	366
XP 022299411.1 GIMAP 7-like isoform X6 Crassostrea virginica	LQAAIQQQEKMFKERYQ	366
XP 022299412.1 GIMAP 7-like isoform X6 Crassostrea virginica XP 022299413.1 GIMAP 7-like isoform X6 Crassostrea virginica	LQAAIQQQEKMFKERYQ	366
XP 022299414.1 GIMAP 7-like isoform X6 Crassostrea virginica	LQAAIQQQEKMFKERYQ	366
XP 022299415.1 GIMAP 7-like isoform X7 Crassostrea virginica	LQAAIQQQEKMFKERYQ	365
XP 022291053.1 GIMAP 4-like Crassostrea virginica	MQEIEKRLEKKYKEKLQ	351
XP 022304158.1 GIMAP 7-like Crassostrea virginica	MKETEEKRKEELKAIEERIEGKYSRISEIEKTKLM	369
XP 022304950.1 GIMAP 7-like Crassostrea virginica	MSEMEEVEMRERDEERKQKIKLA	303
XP 022310198.1 GIMAP 4-like Crassostrea virginica	WQENMKTREREFQIIQEKIVEKYQQKADKEREKLE	364
XP 022296314.1 GIMAP 4-like Crassostrea virginica	VQNEKEKLEEEFKHSERQND	241
XP 022301668.1 GIMAP 4-like Crassostrea virginica	VQNEKEKLEEEFKHSERQND	241
XP 022301131.1 GIMAP 4-like Crassostrea virginica	VQHEKEKL <mark>E</mark> EELKRFDQKHE	257
XP 022301812.1 GIMAP 4-like Crassostrea virginica	LQHEREKL <mark>E</mark> EELKRFDQKHE	237
XP 022301132.1 GIMAP 4-like Crassostrea virginica	LQPEKEKVDEELRRFDQKHE	237
XP 022301145.1 GIMAP 4-like Crassostrea virginica	LQHEKEKLEEDLKRFDQKHE	237
XP 022301588.1 GIMAP 4-like Crassostrea virginica	FREVEEKLVEDFLTSIRETK	257
XP 022301589.1 GIMAP 4-like Crassostrea virginica	FREVEEKLVEDFLTSIRETK	257
XP 022301590.1 GIMAP 7-like Crassostrea virginica	FREVEEKLVVDFLTSIKETK	255
XP 022296665.1 GIMAP 4-like Crassostrea virginica	EKERERNRERERKAMKREIEEKYRSESRSHYKKES	329
XP 022296700.1 GIMAP 4-like Crassostrea virginica	EKERERKRERERKAMKREIEEKYRSESRSHYKRES	329
XP 022295827.1 GIMAP 4-like Crassostrea virginica	EKDRERKRERERKAMEREIEEKYRSESRSHYKRES	329
XP 022301840.1 GIMAP 4-like Crassostrea virginica	EKARNREREERERKAMEREIEQKYKKQSRSNQKKEQ	272
XP 022300528.1 LOW QUALITY PROTEIN: GIMAP 4-like Crassostrea virginica	ERDRERKRERENAIEREFEQKFRSQRESHLDIQS	294
XP 022298533.1 GIMAP 4-like, partial Crassostrea virginica	ERERERERERERERERERERERERERERERERERE	245
XP 022297620.1 GIMAP 7-like isoform X3 Crassostrea virginica	EKERNEKCKQDKEKNNCELGVSGQKCSDQELEEES	470
XP 022302920.1 GIMAP 4-like Crassostrea virginica	VKKRREKREQNKEKNERELRGSRQRCSDKEFEEEH	251
XP 022300251.1 GIMAP 7-like Crassostrea virginica	MLDQRKKENELSVLRIREEHIEKDRKLKAWRMRDI	258
XP 022287294.1 GIMAP 4-like isoform X1 Crassostrea virginica	QMRESRNQIRDTYNDDVRDSTRRRIADE	250
XP 022287295.1 GIMAP 4-like isoform X1 Crassostrea virginica	QMRESRNQIRDTYNDDVRDSTRRRIADE	250
XP 022292452.1 GIMAP 4-like Crassostrea virginica	KEKRKRRLYTDEEMMNFVDHARAKTREEVFNENFR	302
XP 022292453.1 GIMAP 4-like Crassostrea virginica	KEEQKGRRYTDEEMMNLYNFPRAKTRKEIF	297
XP 022291927.1 GIMAP 4-like Crassostrea virginica	KKKFKEKRFSDEEMIKIVIEARTNIREEVLNEDFR	287
XP 022295273.1 GIMAP 4-like isoform X1 Crassostrea virginica	EEENREKKYTLSEINALLQSARSESRVHIVNNNYQ	307
XP 022295274.1 GIMAP 4-like isoform X1 Crassostrea virginica	EEENREKKYTLSEINALLQSARSESRVHIVNNNYQ	307
XP 022295275.1 GIMAP 4-like isoform X2 Crassostrea virginica	KEKNREKMYTESEVNLLLHSARTQSRVDIVNNNYN	302
XP 022295276.1 GIMAP 4-like isoform X2 Crassostrea virginica	KEKNREKMYTESEVNLLLHSARTQSRVDIVNNNYN	302
XP 022295277.1 GIMAP 4-like isoform X2 Crassostrea virginica	KEKNREKMYTESEVNLLLHSARTQSRVDIVNNNYN	302
XP 022295278.1 GIMAP 4-like isoform X2 Crassostrea virginica	KEKNREKMYTESEVNLLLHSARTQSRVDIVNNNYN	302
XP 022295279.1 GIMAP 4-like isoform X2 Crassostrea virginica	KEKNREKMYTESEVNLLLHSARTQSRVDIVNNNYN	302
XP 022295280.1 GIMAP 4-like isoform X3 Crassostrea virginica	KEKNREKMYTESEVNLLLHSARTQSRVDIVNNNYN	302

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XP 022296317.1 GIMAP 4-like Crassostrea virginica	REEYEKRLQKMQDEMKETQKASNSGGLVETALNWAVPGAGTFIGNMFR	310
XP 022302183.1 GIMAP 4-like Crassostrea virginica	REEYEKRLQKMQDEMKETQKASNSGGLVETALNWAVPGAGTFIGNMFR	310
XP 022303805.1 GIMAP 4-like isoform X3 Crassostrea virginica	EVQNKLDQMHNQQEQERAVHLHKMNELLRQEEEKRILLKKEQDDKIHKLT	372
XP 022303806.1 GIMAP 4-like isoform X3 Crassostrea virginica	EVQNKLDQMHNQQEQERAVHLHKMNELLRQEEEKRILLKKEQDDKIHKLT	372
XP 022304626.1 GIMAP 4-like isoform X1 Crassostrea virginica	KVQNKLDQMHNQQEQERAAHLHKMEELMRQEEEKRILLKQEQDEKIHKLT	345
XP 022304627.1 GIMAP 4-like isoform X2 Crassostrea virginica	KVQNKLDQMHNQQEQERAAHLHKMEELMRQEEEKRILLKQEQDEKIHKLT	326
XP 022304628.1 GIMAP 4-like isoform X3 Crassostrea virginica	KVQNKLDQMHNQQEQERAAHLHKMEELMRQEEEKRILLKQEQDEKIHKLT	320
	EVQSELDQMHIQLKKERNKNVPC	383
XP 022307700.1 GIMAP 4-like Crassostrea virginica		
XP 022335699.1 GIMAP 4-like Crassostrea virginica	EILEKNQGTMEE	262
XP 022297635.1 GIMAP 4-like Crassostrea virginica	KVRRENKGNIEM	
XP 022291746.1 GIMAP 4-like Crassostrea virginica	KEAEKIREE	
XP 022299405.1 GIMAP 7-like isoform X1 Crassostrea virginica	EELNKMKEN	
XP 022299409.1 GIMAP 7-like isoform X4 Crassostrea virginica	EELNKMKEN	
XP 022299416.1 GIMAP 7-like isoform X8 Crassostrea virginica	EELNKMKEN	
XP 022299418.1 GIMAP 7-like isoform X9 Crassostrea virginica	EELNKMKEN	
XP 022299408.1 GIMAP 7-like isoform X3 Crassostrea virginica	EELNKMKEN	384
XP 022299407.1 GIMAP 7-like isoform X2 Crassostrea virginica	EELNKMKEN	
XP 022299410.1 GIMAP 7-like isoform X5 Crassostrea virginica	EELNKMKEN	
XP 022299411.1 GIMAP 7-like isoform X6 Crassostrea virginica	EELNKMKEN	
XP 022299412.1 GIMAP 7-like isoform X6 Crassostrea virginica	EELNKMKEN	
XP 022299413.1 GIMAP 7-like isoform X6 Crassostrea virginica	EELNKMKEN	
	EELNKMKEN	
XP 022299414.1 GIMAP 7-like isoform X6 Crassostrea virginica		
XP 022299415.1 GIMAP 7-like isoform X7 Crassostrea virginica	EELNKMKEN	
XP 022291053.1 GIMAP 4-like Crassostrea virginica	QEIDKINSLTFELTELRKNQAEREYEVKNL.MKVVDAKEKQISECPGAEN	
XP 022304158.1 GIMAP 7-like Crassostrea virginica	QVQNELENLHQSKREKEKEVEDLRKNFESF.KKQHEMSSGEERERFQQTL	418
XP 022304950.1 GIMAP 7-like Crassostrea virginica	KNANETNDT	
XP 022310198.1 GIMAP 4-like Crassostrea virginica	RIRDQIREQLEKQKMNTDRIVALKNKIEKL.KHELKDSQSDTNEHL	
XP 022296314.1 GIMAP 4-like Crassostrea virginica	QKVEKVQSHLEVLNRKQNNETCQIGSLVKKIEE	274
XP 022301668.1 GIMAP 4-like Crassostrea virginica	QKVEKVQNHLEVLNRKQNHETCHIGSLVKKIEE	
XP 022301131.1 GIMAP 4-like Crassostrea virginica	QAIGGINDQVKELSRKQDQEEREIGALETIIEE	290
XP 022301812.1 GIMAP 4-like Crassostrea virginica	EAIVGLNDEVKELSRKQDREEREIGSIEKIIEK	270
XP 022301132.1 GIMAP 4-like Crassostrea virginica	EKVGGLNDQLKELSRKQEREEREIGIIEKNIEE	
XP 022301145.1 GIMAP 4-like Crassostrea virginica	QAIEGINDEVKELSRKLDREEHAIPDSDMRLRIHE	
XP 022301588.1 GIMAP 4-like Crassostrea virginica	QGVKKLATHFEELGVTPKQKCKVNDDYDKVDKNVTEKFKGVNTLKNQFEM	
XP 022301589.1 GIMAP 4-like Crassostrea virginica	QGVKKLATHFEELGVTPKQKCKVNDDYDKVDKNVTEKFKGVNTLKNQFEM	
XP 022301590.1 GIMAP 7-like Crassostrea virginica	QDVKKLATQFEEFGQTPKQKEKEGDEFNKEEKSVTEKDRRVNTLKNKFER	
XP 022296665.1 GIMAP 4-like Crassostrea virginica	ELETRVAELESMRDHNGKRSSALEREVLELEDEIESERRQYGTPSSRLLS	
XP 022296700.1 GIMAP 4-like Crassostrea virginica	ELETRVAELESMRDHNGKRSSALEREVHELEDEIESERRQYGAPSSRLLS	
XP 022295827.1 GIMAP 4-like Crassostrea virginica	ELETRVAELESMRDHYAKRSSALEREVLELEDEIESERRQYGAPSSRLLS	
XP 022301840.1 GIMAP 4-like Crassostrea virginica	S	
XP 022300528.1 LOW QUALITY PROTEIN: GIMAP 4-like Crassostrea virginica	ALEIRVAELESLADTSKGKT	
XP 022298533.1 GIMAP 4-like, partial Crassostrea virginica	TFHSVVFIFQP	256
XP 022297620.1 GIMAP 7-like isoform X3 Crassostrea virginica	DHHEYEANNIK	481
XP 022302920.1 GIMAP 4-like Crassostrea virginica		251
XP 022300251.1 GIMAP 7-like Crassostrea virginica	ERRLLELESQPKAAGDCVP	277
XP 022287294.1 GIMAP 4-like isoform X1 Crassostrea virginica	ESFGEKILSVVGS	263
XP 022287295.1 GIMAP 4-like isoform X1 Crassostrea virginica	. ESFGEKILSVVGS	263
XP 022292452.1 GIMAP 4-like Crassostrea virginica	LIMKVVATVIPLIASSI	319
XP 022292453.1 GIMAP 4-like Crassostrea virginica		297
S S S S S S S S S S S S S S S S S S S		
XP 022291927.1 GIMAP 4-like Crassostrea virginica	LIMKVTIAVLPLISSIVGIYFNFDTI	313
XP 022295273.1 GIMAP 4-like isoform X1 Crassostrea virginica	EDLLTKIFSTVGTV	321
XP 022295274.1 GIMAP 4-like isoform X1 Crassostrea virginica	EDLLTKIFSTVGTV	321
XP 022295275.1 GIMAP 4-like isoform X2 Crassostrea virginica	TGLLSDLISTVASG	
XP 022295276.1 GIMAP 4-like isoform X2 Crassostrea virginica	TGLLSDLISTVASG	316
XP 022295277.1 GIMAP 4-like isoform X2 Crassostrea virginica	TGLLSDLISTVASG	316
XP 022295278.1 GIMAP 4-like isoform X2 Crassostrea virginica	TGLLSDLISTVASG	316
XP 022295279.1 GIMAP 4-like isoform X2 Crassostrea virginica	TGLLSDLISTVASG	316
XP 022295280.1 GIMAP 4-like isoform X3 Crassostrea virginica	TGLLSDLISTVASG	

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XP 022296317.1 GIMAP 4-like Crassostrea virginica		310
XP 022302183.1 GIMAP 4-like Crassostrea virginica		310
XP 022303805.1 GIMAP 4-like isoform X3 Crassostrea virginica	QVHIENQNKIEQERAALKERMENVQQEQTDKESKMQIIQKQLTELENKQK	422
XP 022303806.1 GIMAP 4-like isoform X3 Crassostrea virginica	QVHIENQNKIEQERAALKERMENVQQEQTDKESKMQIIQKQLTELENKQK	422
XP 022304626.1 GIMAP 4-like isoform X1 Crassostrea virginica	QVHIENQNKMEQERAALIERMKNVQQEQTDKESKMQKIQKQLTELEKKQK	395
XP 022304627.1 GIMAP 4-like isoform X2 Crassostrea virginica	QVHIENQNKMEQERAALIERMKNVQQEQTDKESKMQKIQKQLTELEKKQK	376
XP 022304628.1 GIMAP 4-like isoform X3 Crassostrea virginica	QVHIENQNKMEQERAALIERMKNVQQEQTDKESKMQKIQKQLTELEKKQK	370
XP 022307700.1 GIMAP 4-like Crassostrea virginica		383
XP 022335699.1 GIMAP 4-like Crassostrea virginica	NYKKKKDEIQEKYEKKLT	280
XP 022297635.1 GIMAP 4-like Crassostrea virginica	KRKNLKAEYEEKMR	275
XP 022291746.1 GIMAP 4-like Crassostrea virginica	VRKQVREANYESVF	489
XP 022299405.1 GIMAP 7-like isoform X1 Crassostrea virginica	NEQEIEK	393
XP 022299409.1 GIMAP 7-like isoform X4 Crassostrea virginica	NEQEIEK	391
XP 022299416.1 GIMAP 7-like isoform X8 Crassostrea virginica	NEQEIEK	380
XP 022299418.1 GIMAP 7-like isoform X9 Crassostrea virginica	NEQEIEK	379
XP 022299408.1 GIMAP 7-like isoform X3 Crassostrea virginica	NEQEIEK	391
XP 022299407.1 GIMAP 7-like isoform X2 Crassostrea virginica	NEQEIEK	392
XP 022299410.1 GIMAP 7-like isoform X5 Crassostrea virginica	NEQEIEK	390
XP 022299411.1 GIMAP 7-like isoform X6 Crassostrea virginica	NEQEIEK	382
XP 022299412.1 GIMAP 7-like isoform X6 Crassostrea virginica	NEQEIEK	382 382
XP 022299413.1 GIMAP 7-like isoform X6 Crassostrea virginica	NEQEIEK NEQEIEK	382
XP 022299414.1 GIMAP 7-like isoform X6 Crassostrea virginica XP 022299415.1 GIMAP 7-like isoform X7 Crassostrea virginica	NEQEIEK	381
XP 022293410.1 GIMAP 4-like Crassostrea virginica	EEDMQTLDLLRNELAELKDATAKGERKIAEIEKAKNEAEE	440
XP 022304158.1 GIMAP 7-like Crassostrea virginica	DSLTQTLTATIEAQNE	434
XP 022304950.1 GIMAP 7-like Crassostrea virginica	ISLDQVLKNELEK	325
XP 022310198.1 GIMAP 4-like Crassostrea virginica	DELRKQLVEEEAEESK	425
XP 022296314.1 GIMAP 4-like Crassostrea virginica	YERKLRESTTTQRKEIKLNVDVMRGNLETCKETTSDRACEIEENK.	319
XP 022301668.1 GIMAP 4-like Crassostrea virginica	YERKLRESTTTQRKEIKLNVDVMRGNLETCKETTSDRAREIEENK.	319
XP 022301131.1 GIMAP 4-like Crassostrea virginica	NESEMPACKSKQREEIDHELFVMRRNLHTRREACIERKEEIEKKK.	335
XP 022301812.1 GIMAP 4-like Crassostrea virginica	NESKMPACKSTQRKEAEHELAVLRRRLGTHRNTFLERKGEIEKKT.	315
XP 022301132.1 GIMAP 4-like Crassostrea virginica	NQSKIPTCKSTQRKEIEHELAIMRRTLKTHREMVLKSGEEIEKKK.	315
XP 022301145.1 GIMAP 4-like Crassostrea virginica	SHPKDIDEAEAQAIRLETHRLADRQRCSNRPVRAINEKQPDQSSH.	317
XP 022301588.1 GIMAP 4-like Crassostrea virginica	LKSKEEENEPAYSSIDEIKERKAEVTKRKATQENDFASLERRREKREPRV	357
XP 022301589.1 GIMAP 4-like Crassostrea virginica	LKSKEEENEPAYSSIDEIKERKAEVTKRKATQENDFASLERRREKREPRV	357
XP 022301590.1 GIMAP 7-like Crassostrea virginica	LNSKKEENDPAYSSIDEIKKRKAETVKRKEAHQNEYALHECQGEEREAR.	354
XP 022296665.1 GIMAP 4-like Crassostrea virginica	KRKRLEEERSKLGSRKESEMEAEIEDLRNELKRMNQKSKKISKEKDRMYE	429
XP 022296700.1 GIMAP 4-like Crassostrea virginica	KRKRLEEERSKLGSRKESEMEAEIEELRNELKRMNQKSKKISKEKDRMYE	429
XP 022295827.1 GIMAP 4-like Crassostrea virginica	KRKRLEEERSKLGSRKESEMEAEIDDLRNELKRMNKKTKKISKEKDRMYE	429
XP 022301840.1 GIMAP 4-like Crassostrea virginica		273
XP 022300528.1 LOW QUALITY PROTEIN: GIMAP 4-like Crassostrea virginica	DKKRLKP	321
XP 022298533.1 GIMAP 4-like, partial Crassostrea virginica		256
XP 022297620.1 GIMAP 7-like isoform X3 Crassostrea virginica		481
XP 022302920.1 GIMAP 4-like Crassostrea virginica	DUQUI DONDTOI CODDOI EDOUDEI IUEI VUTUMTDI TI TEVOCEET	251
XP 022300251.1 GIMAP 7-like Crassostrea virginica	RKSKLPSNRTSLSQRPSLERQVDFLHKELKKIKMTDLTLIEKQQEEI	324
XP 022287294.1 GIMAP 4-like isoform X1 Crassostrea virginica		263
XP 022287295.1 GIMAP 4-like isoform X1 Crassostrea virginica XP 022292452.1 GIMAP 4-like Crassostrea virginica		263 319
XP 022292453.1 GIMAP 4-like Crassostrea virginica		297
XP 022291927.1 GIMAP 4-like Crassostrea virginica		313
XP 022295273.1 GIMAP 4-like isoform X1 Crassostrea virginica		321
XP 022295274.1 GIMAP 4-like isoform X1 Crassostrea virginica		321
XP 022295275.1 GIMAP 4-like isoform X2 Crassostrea virginica		316
XP 022295276.1 GIMAP 4-like isoform X2 Crassostrea virginica		316
XP 022295277.1 GIMAP 4-like isoform X2 Crassostrea virginica		316
XP 022295278.1 GIMAP 4-like isoform X2 Crassostrea virginica		316
XP 022295279.1 GIMAP 4-like isoform X2 Crassostrea virginica		316
XP 022295280.1 GIMAP 4-like isoform X3 Crassostrea virginica		316
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XP 022296317.1 GIMAP 4-like Crassostrea virginica		310
XP 022302183.1 GIMAP 4-like Crassostrea virginica		310
XP 022303805.1 GIMAP 4-like isoform X3 Crassostrea virginica	HAELKHKQDLETVKNTGEQNLTSMKEEYSKQIEKLNQTNTGLQKQFQDKG	472
XP 022303806.1 GIMAP 4-like isoform X3 Crassostrea virginica	HAELKHKQDLETVKNTGEQNLTSMKEEYSKQIEKLNQTNTGLQKQFQDKG	472
XP 022304626.1 GIMAP 4-like isoform X1 Crassostrea virginica	HAELKHKQDLETVKNTGEQNITSMKEEYAKQIDKLNQTNTGLQKQFQDKG	445
XP 022304627.1 GIMAP 4-like isoform X2 Crassostrea virginica	HAELKHKQDLETVKNTGEQNITSMKEEYAKQIDKLNQTNTGLQKQFQDKG	426
XP 022304628.1 GIMAP 4-like isoform X3 Crassostrea virginica	HAELKHKQDLETVKNTGEQNITSMKEEYAKQIDKLNQTNTGLQKQFQDKG	420
XP 022307700.1 GIMAP 4-like Crassostrea virginica		383
XP 022335699.1 GIMAP 4-like Crassostrea virginica		280
XP 022297635.1 GIMAP 4-like Crassostrea virginica		275
XP 022291746.1 GIMAP 4-like Crassostrea virginica		489
XP 022299405.1 GIMAP 7-like isoform X1 Crassostrea virginica		393
XP 022299409.1 GIMAP 7-like isoform X4 Crassostrea virginica		391
XP 022299416.1 GIMAP 7-like isoform X8 Crassostrea virginica		380
XP 022299418.1 GIMAP 7-like isoform X9 Crassostrea virginica		379
XP 022299408.1 GIMAP 7-like isoform X3 Crassostrea virginica		391
XP 022299407.1 GIMAP 7-like isoform X2 Crassostrea virginica		392
XP 022299410.1 GIMAP 7-like isoform X5 Crassostrea virginica		390
XP 022299411.1 GIMAP 7-like isoform X6 Crassostrea virginica		382
XP 022299412.1 GIMAP 7-like isoform X6 Crassostrea virginica		382
XP 022299413.1 GIMAP 7-like isoform X6 Crassostrea virginica		382
XP 022299414.1 GIMAP 7-like isoform X6 Crassostrea virginica		382
		381
XP 022299415.1 GIMAP 7-like isoform X7 Crassostrea virginica		440
XP 022291053.1 GIMAP 4-like Crassostrea virginica	DTDVIERIORAVDV CER IVE	
XP 022304158.1 GIMAP 7-like Crassostrea virginica	RTRKIEELQEAKDKSEE.IYE	454
XP 022304950.1 GIMAP 7-like Crassostrea virginica	LOOKINELKATARE CARRIET	326
XP 022310198.1 GIMAP 4-like Crassostrea virginica	LSQKIKELKKTRDESAERIKT	446
XP 022296314.1 GIMAP 4-like Crassostrea virginica		326
XP 022301668.1 GIMAP 4-like Crassostrea virginica		326
XP 022301131.1 GIMAP 4-like Crassostrea virginica		342
XP 022301812.1 GIMAP 4-like Crassostrea virginica		322
XP 022301132.1 GIMAP 4-like Crassostrea virginica		322
XP 022301145.1 GIMAP 4-like Crassostrea virginica		324
XP 022301588.1 GIMAP 4-like Crassostrea virginica	VETYDGKPLRDSLRLC	373
XP 022301589.1 GIMAP 4-like Crassostrea virginica	VETYDGKPL	373
XP 022301590.1 GIMAP 7-like Crassostrea virginica	IDVYESTQR	370
XP 022296665.1 GIMAP 4-like Crassostrea virginica		430
XP 022296700.1 GIMAP 4-like Crassostrea virginica		430
XP 022295827.1 GIMAP 4-like Crassostrea virginica		430
XP 022301840.1 GIMAP 4-like Crassostrea virginica		273
XP 022300528.1 LOW QUALITY PROTEIN: GIMAP 4-like Crassostrea virginica		321
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XP 022298533.1 GIMAP 4-like, partial Crassostrea virginica256XP 022297620.1 GIMAP 7-like isoform X3 Crassostrea virginicaFSARRQAIHELETNSGNITNALWDGLIALGKFYRDFSR519XP 022302920.1 GIMAP 4-like Crassostrea virginicaFSPRQQAIYELENNLGNITNSLWIAFKAF280
XP 022297620.1 GIMAP 7-like isoform X3 Crassostrea virginicaFSARRQAIHELETNSGNITNALWDGLIALGKFYRDFSR 519 XP 022302920.1 GIMAP 4-like Crassostrea virginicaFSPRQQAIYELENNLGNITNSLWIAFKAF 280
XP 022302920.1 GIMAP 4-like Crassostrea virginicaFSPRQQAIYELENNLGNITNSLWIAFKAF 280
XP 022300251.1 GIMAP 7-like Crassostrea virginica KLKERLSKGYHRGNPRSMARKEVSKRNSSFSQMVSRGIIALGKHLLTGLL 375
XP 022292452.1 GIMAP 4-like Crassostrea virginicaNLVDSHTFFDSCIYLIKRFLG 340
XP 022292453.1 GIMAP 4-like Crassostrea virginica
XP 022291927.1 GIMAP 4-like Crassostrea virginicaYEAILHYVTCFIPTIIGIYLNFSTIYDAILYYVTRLIE 351
XP 022295273.1 GIMAP 4-like isoform X1 Crassostrea virginica
XP 022295274.1 GIMAP 4-like isoform X1 Crassostrea virginicaILATGGFITRGIGAALSMVGGWFG 345
XP 022295275.1 GIMAP 4-like isoform X2 Crassostrea virginicaLYALGAFVVGGAGALLSFVGGWFG 340
XP 022295276.1 GIMAP 4-like isoform X2 Crassostrea virginicaLYALGAFVVGGAGALLSFVGGWFG 340
XP 022295277.1 GIMAP 4-like isoform X2 Crassostrea virginicaLYALGAFVVGGAGALLSFVGGWFG 340
XP 022295278.1 GIMAP 4-like isoform X2 Crassostrea virginicaLYALGAFVVGGAGALLSFVGGWFG 340
XP 022295279.1 GIMAP 4-like isoform X2 Crassostrea virginicaLYALGAFVVGGAGALLSFVGGWFG 340
XP 022295280.1 GIMAP 4-like isoform X3 Crassostrea virginicaLYALGAFVVGGAGALLSFVGGWFG 340

	Erfe Same Errande varay de visactis
XP 022296317.1 GIMAP 4-like Crassostrea virginica	
XP 022302183.1 GIMAP 4-like Crassostrea virginica	
XP 022303805.1 GIMAP 4-like isoform X3 Crassostrea virginica	EDPSKIVRAFNAAGKAVSKAYDKVTSACTIS
XP 022303806.1 GIMAP 4-like isoform X3 Crassostrea virginica	EDPSKIVRAFNAAGKAVSKAYDKVTSACTIS55
XP 022304626.1 GIMAP 4-like isoform X1 Crassostrea virginica	EDPSKIVRAFNAAGKFVAEAYDTVTSACTIS
XP 022304627.1 GIMAP 4-like isoform X2 Crassostrea virginica	EDPSKIVRAFNAAGKFVAEAYDTVTSACTIS
XP 022304628.1 GIMAP 4-like isoform X3 Crassostrea virginica	EDPSKIVRAFNAAGKFVAEAYDTVTSACTIS50
XP 022307700.1 GIMAP 4-like Crassostrea virginica	
XP 022335699.1 GIMAP 4-like Crassostrea virginica	32
XP 022297635.1 GIMAP 4-like Crassostrea virginica	ITKKFQSKL
XP 022291746.1 GIMAP 4-like Crassostrea virginica	
XP 022299405.1 GIMAP 7-like isoform X1 Crassostrea virginica	43
XP 022299409.1 GIMAP 7-like isoform X4 Crassostrea virginica	
XP 022299416.1 GIMAP 7-like isoform X8 Crassostrea virginica	42
XP 022299418.1 GIMAP 7-like isoform X9 Crassostrea virginica	
XP 022299408.1 GIMAP 7-like isoform X3 Crassostrea virginica	43
XP 022299407.1 GIMAP 7-like isoform X2 Crassostrea virginica	43
XP 022299410.1 GIMAP 7-like isoform X5 Crassostrea virginica	43
XP 022299411.1 GIMAP 7-like isoform X6 Crassostrea virginica	42
XP 022299412.1 GIMAP 7-like isoform X6 Crassostrea virginica	42
XP 022299413.1 GIMAP 7-like isoform X6 Crassostrea virginica	42
XP 022299414.1 GIMAP 7-like isoform X6 Crassostrea virginica	42
XP 022299415.1 GIMAP 7-like isoform X7 Crassostrea virginica	42
XP 022291053.1 GIMAP 4-like Crassostrea virginica	DTVKSVGGFLKSIFGR
XP 022304158.1 GIMAP 7-like Crassostrea virginica	IGSKLLDLLLDSDDTPLP
XP 022304950.1 GIMAP 7-like Crassostrea virginica	
XP 022310198.1 GIMAP 4-like Crassostrea virginica	KGIEFLSDIFSK
XP 022296314.1 GIMAP 4-like Crassostrea virginica	L
XP 022301668.1 GIMAP 4-like Crassostrea virginica	L
XP 022301131.1 GIMAP 4-like Crassostrea virginica	L 39
XP 022301812.1 GIMAP 4-like Crassostrea virginica	L
XP 022301132.1 GIMAP 4-like Crassostrea virginica	L
XP 022301145.1 GIMAP 4-like Crassostrea virginica	IK
XP 022301588.1 GIMAP 4-like Crassostrea virginica	L
XP 022301589.1 GIMAP 4-like Crassostrea virginica	L
XP 022301590.1 GIMAP 7-like Crassostrea virginica	L
XP 022296665.1 GIMAP 4-like Crassostrea virginica	MIF
XP 022296700.1 GIMAP 4-like Crassostrea virginica	MIF
XP 022295827.1 GIMAP 4-like Crassostrea virginica	MII
XP 022301840.1 GIMAP 4-like Crassostrea virginica	27
XP 022300528.1 LOW QUALITY PROTEIN: GIMAP 4-like Crassostrea virginica	
XP 022298533.1 GIMAP 4-like, partial Crassostrea virginica	
XP 022297620.1 GIMAP 7-like isoform X3 Crassostrea virginica	LVLDRIY
XP 022302920.1 GIMAP 4-like Crassostrea virginica	28
XP 022300251.1 GIMAP 7-like Crassostrea virginica	GLLLL
XP 022287294.1 GIMAP 4-like isoform X1 Crassostrea virginica	DV
XP 022287295.1 GIMAP 4-like isoform X1 Crassostrea virginica	DV
XP 022292452.1 GIMAP 4-like Crassostrea virginica	F
XP 022292453.1 GIMAP 4-like Crassostrea virginica	F 31
XP 022291927.1 GIMAP 4-like Crassostrea virginica	FFSALWVNLF
XP 022295273.1 GIMAP 4-like Classostlea Vilginica XP 022295273.1 GIMAP 4-like isoform X1 Crassostrea virginica	F
XP 022295274.1 GIMAP 4-like isoform X1 Crassostrea virginica	F
XP 022295275.1 GIMAP 4-like isoform X2 Crassostrea virginica	F
XP 022295276.1 GIMAP 4-like isoform X2 Crassostrea virginica	F 34
XP 022295277.1 GIMAP 4-like isoform X2 Crassostrea virginica	F 34
XP 022295278.1 GIMAP 4-like isoform X2 Crassostrea virginica	F
XP 022295279.1 GIMAP 4-like isoform X2 Crassostrea virginica	F
XP 022295280.1 GIMAP 4-like isoform X3 Crassostrea virginica	F
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XP 022296317.1 GIMAP 4-like Crassostrea virginica		310
XP 022302183.1 GIMAP 4-like Crassostrea virginica		310
XP 022303805.1 GIMAP 4-like isoform X3 Crassostrea virginica		553
XP 022303806.1 GIMAP 4-like isoform X3 Crassostrea virginica		553
XP 022304626.1 GIMAP 4-like isoform X1 Crassostrea virginica		526
XP 022304627.1 GIMAP 4-like isoform X2 Crassostrea virginica		507
XP 022304628.1 GIMAP 4-like isoform X3 Crassostrea virginica		501
XP 022307700.1 GIMAP 4-like Crassostrea virginica		383
XP 022335699.1 GIMAP 4-like Crassostrea virginica		320
XP 022297635.1 GIMAP 4-like Crassostrea virginica		334
XP 022291746.1 GIMAP 4-like Crassostrea virginica		506
XP 022299405.1 GIMAP 7-like isoform X1 Crassostrea virginica		437
XP 022299409.1 GIMAP 7-like isoform X4 Crassostrea virginica		435
XP 022299416.1 GIMAP 7-like isoform X8 Crassostrea virginica		424 423
XP 022299418.1 GIMAP 7-like isoform X9 Crassostrea virginica XP 022299408.1 GIMAP 7-like isoform X3 Crassostrea virginica	• • • • • • • • •	425
XP 022299407.1 GIMAP 7-like isoform X2 Crassostrea virginica		436
XP 022299410.1 GIMAP 7-like isoform X5 Crassostrea virginica		434
XP 022299411.1 GIMAP 7-like isoform X6 Crassostrea virginica		426
XP 022299412.1 GIMAP 7-like isoform X6 Crassostrea virginica		426
XP 022299413.1 GIMAP 7-like isoform X6 Crassostrea virginica		426
XP 022299414.1 GIMAP 7-like isoform X6 Crassostrea virginica		426
XP 022299415.1 GIMAP 7-like isoform X7 Crassostrea virginica		425
XP 022291053.1 GIMAP 4-like Crassostrea virginica		503
XP 022304158.1 GIMAP 7-like Crassostrea virginica		520
XP 022304950.1 GIMAP 7-like Crassostrea virginica		368
XP 022310198.1 GIMAP 4-like Crassostrea virginica		504
XP 022296314.1 GIMAP 4-like Crassostrea virginica		373
XP 022301668.1 GIMAP 4-like Crassostrea virginica		373
XP 022301131.1 GIMAP 4-like Crassostrea virginica		390
XP 022301812.1 GIMAP 4-like Crassostrea virginica		370
XP 022301132.1 GIMAP 4-like Crassostrea virginica		367
XP 022301145.1 GIMAP 4-like Crassostrea virginica		376 421
XP 022301588.1 GIMAP 4-like Crassostrea virginica XP 022301589.1 GIMAP 4-like Crassostrea virginica		421
XP 022301590.1 GIMAP 7-like Crassostrea virginica		415
XP 022296665.1 GIMAP 4-like Crassostrea virginica		483
XP 022296700.1 GIMAP 4-like Crassostrea virginica		483
XP 022295827.1 GIMAP 4-like Crassostrea virginica		483
XP 022301840.1 GIMAP 4-like Crassostrea virginica		273
XP 022300528.1 LOW QUALITY PROTEIN: GIMAP 4-like Crassostrea virginica		321
XP 022298533.1 GIMAP 4-like, partial Crassostrea virginica		256
XP 022297620.1 GIMAP 7-like isoform X3 Crassostrea virginica		526
XP 022302920.1 GIMAP 4-like Crassostrea virginica		280
XP 022300251.1 GIMAP 7-like Crassostrea virginica		380
XP 022287294.1 GIMAP 4-like isoform X1 Crassostrea virginica		283
XP 022287295.1 GIMAP 4-like isoform X1 Crassostrea virginica		283
XP 022292452.1 GIMAP 4-like Crassostrea virginica		341
XP 022292453.1 GIMAP 4-like Crassostrea virginica		319
XP 022291927.1 GIMAP 4-like Crassostrea virginica		361
XP 022295273.1 GIMAP 4-like isoform X1 Crassostrea virginica XP 022295274.1 GIMAP 4-like isoform X1 Crassostrea virginica		346 346
XP 022295274.1 GIMAP 4-like isoform X2 Crassostrea virginica XP 022295275.1 GIMAP 4-like isoform X2 Crassostrea virginica		346
XP 022295275.1 GIMAP 4-like isoform X2 Crassostrea virginica XP 022295276.1 GIMAP 4-like isoform X2 Crassostrea virginica		341
XP 022295270.1 GIMAP 4-like isoform X2 Crassostrea virginica		341
XP 022295277.1 GIMAP 4-like isoform X2 Crassostrea virginica		341
XP 022295279.1 GIMAP 4-like isoform X2 Crassostrea virginica		341
XP 022295280.1 GIMAP 4-like isoform X3 Crassostrea virginica		341

 \overline{X} non conserved $\overline{X} \geq 50\%$ conserved