XP 022296317.1 GTPase IMAP family member 4-like Crassostrea virginica XP 022302183.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022303805.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica XP 022303806.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica

XP 022304626.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022295276.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica XP 022295277.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica XP 022295278.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica XP 022295279.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica XP 022295280.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica

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XP	022304627.1 GTPase IMAP family member	4-like isoform X2 Crassostrea virginica		0
XP	022304628.1 GTPase IMAP family member	4-like isoform X3 Crassostrea virginica		0
XP	022307700.1 GTPase IMAP family member	4-like Crassostrea virginica		0
	022335699.1 GTPase IMAP family member			0
	022297635.1 GTPase IMAP family member			0
	022291746.1 GTPase IMAP family member		MADPCPSSTDSVSVIDSCPMNSSEWNQRALLKNCS	35
		7-like isoform X1 Crassostrea virginica	·	0
		7-like isoform X4 Crassostrea virginica		0
		7-like isoform X8 Crassostrea virginica		0
		7-like isoform X9 Crassostrea virginica		0
		7-like isoform X3 Crassostrea virginica		Ö
		7-like isoform X2 Crassostrea virginica		0
		7-like isoform X5 Crassostrea virginica		0
		7-like isoform X6 Crassostrea virginica		0
		7-like isoform X6 Crassostrea virginica		0
				0
		7-like isoform X6 Crassostrea virginica		0
		7-like isoform X7 Crassostrea virginica		0
		7-like isoform X7 Crassostrea virginica		0
	022291053.1 GTPase IMAP family member			0
	022304158.1 GTPase IMAP family member		MTTLKM	6
	022304950.1 GTPase IMAP family member			0
	022310198.1 GTPase IMAP family member		•••••	0
	022296314.1 GTPase IMAP family member		• • • • • • • • • • • • • • • • • • • •	0
	022301668.1 GTPase IMAP family member			0
	022301131.1 GTPase IMAP family member			0
	022301812.1 GTPase IMAP family member			0
	022301132.1 GTPase IMAP family member			0
	022301145.1 GTPase IMAP family member			0
	022301588.1 GTPase IMAP family member			0
XP	022301589.1 GTPase IMAP family member	4-like Crassostrea virginica		0
XP	022301590.1 GTPase IMAP family member	7-like Crassostrea virginica		0
XP	022296665.1 GTPase IMAP family member	4-like Crassostrea virginica		0
XP	022296700.1 GTPase IMAP family member	4-like Crassostrea virginica		0
XP	022295827.1 GTPase IMAP family member	4-like Crassostrea virginica		0
XP	022301840.1 GTPase IMAP family member	4-like Crassostrea virginica		0
XP	022300528.1 LOW QUALITY PROTEIN: GTPas	e IMAP family member 4-like Crassostrea virginica		0
	022298533.1 GTPase IMAP family member			0
		7-like isoform X3 Crassostrea virginica	MTCVCVLLLICALILQKGNSVN	22
	022302920.1 GTPase IMAP family member			0
	022300251.1 GTPase IMAP family member			0
		4-like isoform X1 Crassostrea virginica		0
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	022292453.1 GTPase IMAP family member			0
	022291927.1 GTPase IMAP family member			0
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XP 022302183.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022303805.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica XP 022303806.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica

XP 022304626.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica XP 022304627.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica XP 022304628.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica

XP 022300528.1 LOW QUALITY PROTEIN: GTPase IMAP family member 4-like Crassostrea virginica

XP 022298533.1 GTPase IMAP family member 4-like, partial Crassostrea virginica

XP 022302920.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022300251.1 GTPase IMAP family member 7-like Crassostrea virginica

XP 022292452.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022292453.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022291927.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022297620.1 GTPase IMAP family member 7-like isoform X3 Crassostrea virginica

XP 022287294.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022287295.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

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XP 022295276.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

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XP 022295278.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

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14	MPSTDKNTNRWTSA	KP 022307700.1 GTPase IMAP family member 4-like Crassostrea virginica	XP
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0		KP 022297635.1 GTPase IMAP family member 4-like Crassostrea virginica	XP
70	MYPQTCFRPLEYHCLLNPYGNESLEVCAPNTWLAE	KP 022291746.1 GTPase IMAP family member 4-like Crassostrea virginica	XР
10	MVTYSKYGIF	KP 022299405.1 GTPase IMAP family member 7-like isoform X1 Crassostrea virginica	XP
10	MVTYSKYGIF	KP 022299409.1 GTPase IMAP family member 7-like isoform X4 Crassostrea virginica	XР
10	MVTYSKYGIF	KP 022299416.1 GTPase IMAP family member 7-like isoform X8 Crassostrea virginica	XP
10	MVTYSKYGIF	KP 022299418.1 GTPase IMAP family member 7-like isoform X9 Crassostrea virginica	XP
10	MVTYSKYGIF	KP 022299408.1 GTPase IMAP family member 7-like isoform X3 Crassostrea virginica	XP
10	MVTYSKYGIF	KP 022299407.1 GTPase IMAP family member 7-like isoform X2 Crassostrea virginica	XP
10	MVTYSKYGIF	KP 022299410.1 GTPase IMAP family member 7-like isoform X5 Crassostrea virginica	XP
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0		KP 022299412.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	XP
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0		KP 022299415.1 GTPase IMAP family member 7-like isoform X7 Crassostrea virginica	
0		KP 022291053.1 GTPase IMAP family member 4-like Crassostrea virginica	XP
I 41	EKNIFICTTFGVSDDLYDIESLYHSFLLTFCEIKM	KP 022304158.1 GTPase IMAP family member 7-like Crassostrea virginica	XP
. 1		KP 022304950.1 GTPase IMAP family member 7-like Crassostrea virginica	XР
1		KP 022310198.1 GTPase IMAP family member 4-like Crassostrea virginica	
0		KP 022296314.1 GTPase IMAP family member 4-like Crassostrea virginica	XP
0		KP 022301668.1 GTPase IMAP family member 4-like Crassostrea virginica	
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0		KP 022301590.1 GTPase IMAP family member 7-like Crassostrea virginica	
0		KP 022296665.1 GTPase IMAP family member 4-like Crassostrea virginica	
0		KP 022296700.1 GTPase IMAP family member 4-like Crassostrea virginica	
0		KP 022295827.1 GTPase IMAP family member 4-like Crassostrea virginica	
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XP 022302183.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022292453.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022291927.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022295273.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022295274.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022295275.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

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XP	022307700.1 GTPase IMAP family men	mber 4-like Crassostrea virginica		VVAFICMVICLTVVFIGILIYFLNYKRRHTNDNDD	49
XP	022335699.1 GTPase IMAP family men	mber 4-like Crassostrea virginica			0
XP	022297635.1 GTPase IMAP family men	mber 4-like Crassostrea virginica			0
XP	022291746.1 GTPase IMAP family mer	mber 4-like Crassostrea virginica		DFCPVFNIKQQRILEQFDCTSLISDCPRRQYNSRS	105
XP	022299405.1 GTPase IMAP family men	mber 7-like isoform X1 Crassostrea	virginica	AMESIETFLRHLGQERFIEIFLDNELDLDLLKSLS	45
XP	022299409.1 GTPase IMAP family men	mber 7-like isoform X4 Crassostrea	virginica	AMESIETFLRHLGQERFIEIFLDNELDLDLLKSLS	45
XP	022299416.1 GTPase IMAP family men	mber 7-like isoform X8 Crassostrea	virginica	AMESIETFLRHLGQERFIEIFLDNELDLDLLKSLS	45
	022299418.1 GTPase IMAP family men			AMESIETFLRHLGQERFIEIFLDNELDLDLLKSLS	45
XP	022299408.1 GTPase IMAP family men	mber 7-like isoform X3 Crassostrea	virginica	AMESIETFLRHLGQERFIEIFLDNELDLDLLKSLS	45
	022299407.1 GTPase IMAP family men			AMESIETFLRHLGQERFIEIFLDNELDLDLLKSLS	45
XP	022299410.1 GTPase IMAP family men	mber 7-like isoform X5 Crassostrea	virginica	AMESIETFLRHLGQERFIEIFLDNELDLDLLKSLS	45
	022299411.1 GTPase IMAP family men			.MESIETFLRHLGQERFIEIFLDNELDLDLLKSLS	34
	022299412.1 GTPase IMAP family men			.MESIETFLRHLGQERFIEIFLDNELDLDLLKSLS	34
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	022299414.1 GTPase IMAP family men			.MESIETFLRHLGQERFIEIFLDNELDLDLLKSLS	34
	022299415.1 GTPase IMAP family men		<u> </u>	.MESIETFLRHLGQERFIEIFLDNELDLDLLKSLS	34
	022291053.1 GTPase IMAP family men		8	MESFLKSIGKERHLDAFNKNEITLDLLKTLS	31
	022304158.1 GTPase IMAP family men			EKKTIESFLKSIGLETYIGKFKGEDIEMETLIDLP	76
	022304950.1 GTPase IMAP family men			ERGTFASFFKDIEMEYCIHKFRNKGIDVERLIDLP	36
	022310198.1 GTPase IMAP family men			EYETIKQFLEDIGCERHINLFIENEIGLELLKSLS	36
	022296314.1 GTPase IMAP family men				0
	022301668.1 GTPase IMAP family men	<u> </u>			0
	022301131.1 GTPase IMAP family men	<u> </u>			5
	022301812.1 GTPase IMAP family men				0
	022301132.1 GTPase IMAP family men				0
	022301145.1 GTPase IMAP family men				0
	022301588.1 GTPase IMAP family men	<u> </u>		MVSRE	5
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	022302920.1 GTPase IMAP family men		VIIGIIIIO		0
	022300251.1 GTPase IMAP family men				0
	022287294.1 GTPase IMAP family men		virginica		9
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	022292452.1 GTPase IMAP family men		v11511110a	MKAMDHYRITVCLVLITFPNVMSKMHCHDN	30
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.MLKKEKVMDHLKITFFLVLIVFPLISSPMDCQDG

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XF 0223930183.1 GTPase JMAP Camily member 4-like informs X Crassostrea virginica TTEXQTTGQDERMYP	XP 022296317.1 GTPase IMAP family member 4-like Crassostrea virginica	
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XP 022356699.1 GTPace IMAP family member 4-like Crasscotrea virginica D		
XP 022297635.1 GTPase DNAF family sember 4-like Crasscotrea virginica ILDYKGCLRELRGLTTPLANTSGTPHDTPWDDN. 140		
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XP 022295278.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica NDEEEEGYCSTKSI		
XP 022295279.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica NDEEEEGYCSTKSI		
XP 022295279.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica NDEEEEGYCSTKSI	XP 022295278.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica	
YP 02295280 1 CTPase IMAP family member 4-like isoform Y3 Crassostrea virginica NDFKFFGVCSTKSI 48	XP 022295279.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica	
AT 022230200.1 dilabe limi lamily member 4 like iboloim ko olabbobolea vilginica holikilia boloim ka olabbobolea vilginica	XP 022295280.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica	NDEKEEGYCSTKSI48

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XP 022296317.1 GTPase IMAP family member 4-like Crassostrea virginica XP 022302183.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022295275.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295276.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295277.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295278.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295279.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica XP 022295280.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica

XP 022302183.1 GIPase IMAP family member 4-like Crassostrea Virginica		O
XP 022303805.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica		29
XP 022303806.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica		29
XP 022304626.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica		2
XP 022304627.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica		0
XP 022304628.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica		0
XP 022307700.1 GTPase IMAP family member 4-like Crassostrea virginica		64
XP 022335699.1 GTPase IMAP family member 4-like Crassostrea virginica		0
XP 022297635.1 GTPase IMAP family member 4-like Crassostrea virginica		0
XP 022291746.1 GTPase IMAP family member 4-like Crassostrea virginica	LWLAPIIIIFAIILITFIFVYYCWRKGSQKNELED	175
XP 022299405.1 GTPase IMAP family member 7-like isoform X1 Crassostrea virginica	LPLGPRMKILKGVQSFKGEALDVTEEQRSSQA	89
XP 022299409.1 GTPase IMAP family member 7-like isoform X4 Crassostrea virginica	LPLGPRMKILKGVQSFKGEDVTEEQRSSQA	87
XP 022299416.1 GTPase IMAP family member 7-like isoform X8 Crassostrea virginica	LPLGPRMKILKGVQSFKGEALDVTEEQRSSQA	89
XP 022299418.1 GTPase IMAP family member 7-like isoform X9 Crassostrea virginica	LPLGPRMKILKGVQSFKGEALDVTEEQRSSQ.	88
XP 022299408.1 GTPase IMAP family member 7-like isoform X3 Crassostrea virginica	LPLGPRMKILKGVQSFKGEALDVTEEQRSSQA	89
XP 022299407.1 GTPase IMAP family member 7-like isoform X2 Crassostrea virginica	LPLGPRMKILKGVQSFKGEALDVTEEQRSSQA	89
XP 022299410.1 GTPase IMAP family member 7-like isoform X5 Crassostrea virginica	LPLGPRMKILKGVQSFKGEDVTEEQRSSQA	87
XP 022299411.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	LPLGPRMKILKGVQSFKGEALDVTEEQRSSQA	78
XP 022299412.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	LPLGPRMKILKGVQSFKGEALDVTEEQRSSQA	78
XP 022299413.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	LPLGPRMKILKGVQSFKGEALDVTEEQRSSQA	78
XP 022299414.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	LPLGPRMKILKGVQSFKGEALDVTEEQRSSQA	78
XP 022299415.1 GTPase IMAP family member 7-like isoform X7 Crassostrea virginica	LPLGPRMKILKGVQSFKGEALDVTEEQRSSQA	78
XP 022291053.1 GTPase IMAP family member 4-like Crassostrea virginica	LNVGTFMSIIDAVETLKIKG	63
XP 022304158.1 GTPase IMAP family member 7-like Crassostrea virginica	LNLGTRLKIKKELKKISPEK	108
XP 022304950.1 GTPase IMAP family member 7-like Crassostrea virginica	VDATTQLIINYEIYKR	64
XP 022310198.1 GTPase IMAP family member 4-like Crassostrea virginica	LTVGIRMKIQQTLDDMKTKE	68
XP 022296314.1 GTPase IMAP family member 4-like Crassostrea virginica	MIP	3
XP 02230314.1 GIFase IMAP family member 4-like Crassostrea virginica	MIP	3
XP 022301006.1 GIFase IMAF family member 4-like Crassostrea virginica	STT	20
		0
XP 022301812.1 GTPase IMAP family member 4-like Crassostrea virginica		0
XP 022301132.1 GTPase IMAP family member 4-like Crassostrea virginica		0
XP 022301145.1 GTPase IMAP family member 4-like Crassostrea virginica	N A V	
XP 022301588.1 GTPase IMAP family member 4-like Crassostrea virginica	NAY	20
XP 022301589.1 GTPase IMAP family member 4-like Crassostrea virginica	NAY	20
XP 022301590.1 GTPase IMAP family member 7-like Crassostrea virginica	NFY	18
XP 022296665.1 GTPase IMAP family member 4-like Crassostrea virginica	MASNYWLCHGCTHSNEHGRKK	21
XP 022296700.1 GTPase IMAP family member 4-like Crassostrea virginica	MASNYWLCHGCTHSNEHGRKK	21
XP 022295827.1 GTPase IMAP family member 4-like Crassostrea virginica	MASNYWLCHGCTHSNEHGRKK	21
XP 022301840.1 GTPase IMAP family member 4-like Crassostrea virginica	MQVSQRR.	7
XP 022300528.1 LOW QUALITY PROTEIN: GTPase IMAP family member 4-like Crassostrea virginica	MDSWTCSRCTLINEGHRSR	19
XP 022298533.1 GTPase IMAP family member 4-like, partial Crassostrea virginica		0
XP 022297620.1 GTPase IMAP family member 7-like isoform X3 Crassostrea virginica	ILIFAIYCAFLTVMFVIGTLLWIYRKGENQKEAEK	162
XP 022302920.1 GTPase IMAP family member 4-like Crassostrea virginica		0
XP 022300251.1 GTPase IMAP family member 7-like Crassostrea virginica		0
XP 022287294.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica		9
XP 022287295.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica		9
XP 022292452.1 GTPase IMAP family member 4-like Crassostrea virginica		44
XP 022292453.1 GTPase IMAP family member 4-like Crassostrea virginica		44
XP 022291927.1 GTPase IMAP family member 4-like Crassostrea virginica		31
XP 022295273.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica		48
XP 022295274.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica		48
VD 000005075 1 OTD IMAD femile member 4 libs isoform VO Consentation visiting		10

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XP 022295278.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295279.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295280.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica

	P 022296317.1 GTPase IMAP family member 4-like Crassostrea virginica		0
	P 022302183.1 GTPase IMAP family member 4-like Crassostrea virginica		0
	P 022303805.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica	AGSNTDKKIDIDKDEENMPA	49
XP	P 022303806.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica	AGSNTDKKIDIDKDEENMPA	49
XP	P 022304626.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica	AGSNTDKKIDIEKDEENMPA	22
XP	P 022304627.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica		3
	P 022304628.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica		0
	P 022307700.1 GTPase IMAP family member 4-like Crassostrea virginica	MDCRFNSTDKVNESYIGGENIPG	87
	P 022335699.1 GTPase IMAP family member 4-like Crassostrea virginica		2
	P 022297635.1 GTPase IMAP family member 4-like Crassostrea virginica	EOMOTED COONIGHT HEED LIGHT NEDVOADTIVA	2
	P 022291746.1 GTPase IMAP family member 4-like Crassostrea virginica	FQMQIRDGDGNNSLHPEEPLLGELNERKDADIKKA	210
	P 022299405.1 GTPase IMAP family member 7-like isoform X1 Crassostrea virginica	LDVTEQQRSSQDTVQKVKALVGDFEKISTTQRKEA	124
	P 022299409.1 GTPase IMAP family member 7-like isoform X4 Crassostrea virginica	LDVTEQQRSSQDTVQKVKALVGDFEKISTTQRKEA	122
XP	P 022299416.1 GTPase IMAP family member 7-like isoform X8 Crassostrea virginica	VQKVKALVGDFEKISTTQRKEA	111
XP	P 022299418.1 GTPase IMAP family member 7-like isoform X9 Crassostrea virginica	VQKVKALVGDFEKISTTQRKEA	110
XP	P 022299408.1 GTPase IMAP family member 7-like isoform X3 Crassostrea virginica	LDVTEQQRSSQVQKVKALVGDFEKISTTQRKEA	122
XP	P 022299407.1 GTPase IMAP family member 7-like isoform X2 Crassostrea virginica	LDVTEQQRSSQ.AVQKVKALVGDFEKISTTQRKEA	123
	P 022299410.1 GTPase IMAP family member 7-like isoform X5 Crassostrea virginica	LDVTEQQRSSQ.AVQKVKALVGDFEKISTTQRKEA	121
	P 022299411.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	LDVTEQQRSSQDTVQKVKALVGDFEKISTTQRKEA	113
	P 022299412.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	LDVTEQQRSSQDTVQKVKALVGDFEKISTTQRKEA	113
		LDVTEQQRSSQDTVQKVKALVGDFEKISTTQRKEA	113
	P 022299413.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica		
	P 022299414.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	LDVTEQQRSSQDTVQKVKALVGDFEKISTTQRKEA	113
	P 022299415.1 GTPase IMAP family member 7-like isoform X7 Crassostrea virginica	LDVTEQQRSSQ.AVQKVKALVGDFEKISTTQRKEA	112
	P 022291053.1 GTPase IMAP family member 4-like Crassostrea virginica	AVNEVVKPIGNNEIIDGRMEISS	86
	P 022304158.1 GTPase IMAP family member 7-like Crassostrea virginica	SSYSTASQ	116
XP	P 022304950.1 GTPase IMAP family member 7-like Crassostrea virginica		64
XP	P 022310198.1 GTPase IMAP family member 4-like Crassostrea virginica	KTSSQAAQNTCSSHFVPGREAKSQ	92
XP	P 022296314.1 GTPase IMAP family member 4-like Crassostrea virginica		3
	P 022301668.1 GTPase IMAP family member 4-like Crassostrea virginica		3
	P 022301131.1 GTPase IMAP family member 4-like Crassostrea virginica		20
	P 022301812.1 GTPase IMAP family member 4-like Crassostrea virginica		0
	P 022301132.1 GTPase IMAP family member 4-like Crassostrea virginica		Ö
	•		
	P 022301145.1 GTPase IMAP family member 4-like Crassostrea virginica		0
	P 022301588.1 GTPase IMAP family member 4-like Crassostrea virginica		20
	P 022301589.1 GTPase IMAP family member 4-like Crassostrea virginica		20
	P 022301590.1 GTPase IMAP family member 7-like Crassostrea virginica		18
XP	P 022296665.1 GTPase IMAP family member 4-like Crassostrea virginica	CVHCGDNNRSRQDSDIWPCPSCTFMNEGNKSKCGA	56
XP	P 022296700.1 GTPase IMAP family member 4-like Crassostrea virginica	CVHCGDNNRSRQDSDIWPCPSCTFMNEGNKSKCGA	56
XP	P 022295827.1 GTPase IMAP family member 4-like Crassostrea virginica	CVQCGDNNRSRHDSDIWPCPSCTFMNEGNKSKCGA	56
XP	P 022301840.1 GTPase IMAP family member 4-like Crassostrea virginica	NQSTRKLEISIC	19
	P 022300528.1 LOW QUALITY PROTEIN: GTPase IMAP family member 4-like Crassostrea virginica		40
ΧP	P 022298533.1 GTPase IMAP family member 4-like, partial Crassostrea virginica		0
	P 022297620.1 GTPase IMAP family member 7-like isoform X3 Crassostrea virginica	TEKTVLSIQSEHRPVAEDKDTKITKNTDDQATSIE	197
			_
	P 022302920.1 GTPase IMAP family member 4-like Crassostrea virginica		0
	P 022300251.1 GTPase IMAP family member 7-like Crassostrea virginica		0
	P 022287294.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica		9
	P 022287295.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica		9
	P 022292452.1 GTPase IMAP family member 4-like Crassostrea virginica		44
	P 022292453.1 GTPase IMAP family member 4-like Crassostrea virginica		44
XP	P 022291927.1 GTPase IMAP family member 4-like Crassostrea virginica		31
XP	P 022295273.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica		48
	P 022295274.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica		48
	P 022295275.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica		48
	P 022295276.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica		48
	P 022295277.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica		48
	P 0222952/1.1 Girdse IMAF idmily member 4-like isolorm A2 Crassostrea Virginica		40

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	CESSEE E E E E E E E E E E E E E E E E E
XP 022296317.1 GTPase IMAP family member 4-like Crassostrea virginica	MGCGASKSFQIEREVRLVLVGKR 23
XP 022302183.1 GTPase IMAP family member 4-like Crassostrea virginica	MGCGASKSFQIER <mark>E</mark> VRLV <mark>L</mark> V <mark>GK</mark> R 23
XP 022303805.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica	GSNTDKKIDIDKGFCNWDLNSSTEN <mark>EIR</mark> LV <mark>LLGKT</mark> 84
XP 022303806.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica	GSNTDKKIDIDKGFCNWDLNSSTEN <mark>E</mark> IRLV <mark>L</mark> LGKT 84
XP 022304626.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica	GSNTDKKIDIEKGFCNWDLNSSTEN <mark>EIR</mark> LV <mark>LLGKT</mark> 57
XP 022304627.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica	GSNTDKKIDIEKGFCNWDLNSSTEN <mark>E</mark> IRLV <mark>L</mark> L <mark>GKT</mark> 38
XP 022304628.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica	MKTEIPSPSRFCNWDLNSSTEN <mark>E</mark> I <mark>R</mark> LV <mark>L</mark> L <mark>GKT</mark> 32
XP 022307700.1 GTPase IMAP family member 4-like Crassostrea virginica	ESNTDEKTEFGNASCTLDADSYTEN <mark>E</mark> L <mark>R</mark> LV <mark>LLGTT</mark> 122
XP 022335699.1 GTPase IMAP family member 4-like Crassostrea virginica	CNSSKSVSLEKSKKE <mark>EIR</mark> LV <mark>LLGKT</mark> 27
XP 022297635.1 GTPase IMAP family member 4-like Crassostrea virginica	CKSSKRRPREEIQNME <mark>E</mark> IRLV <mark>LLGKT</mark> 28
XP 022291746.1 GTPase IMAP family member 4-like Crassostrea virginica	NNTDGTSSTGHTEDGGPCLVYIKYEEIRLVLFGGK 245
XP 022299405.1 GTPase IMAP family member 7-like isoform X1 Crassostrea virginica	CPSSHFEKTENRFSFDKYTYKEEIRLVLLGKT 156
XP 022299409.1 GTPase IMAP family member 7-like isoform X4 Crassostrea virginica	CPSSHFEKTENRFSFDKYTYKEEIRLVLLGKT 154
XP 022299416.1 GTPase IMAP family member 7-like isoform X8 Crassostrea virginica	CPSSHFEKTENRFSFDKYTYKE <mark>EIR</mark> LV <mark>LLGKT</mark> 143
XP 022299418.1 GTPase IMAP family member 7-like isoform X9 Crassostrea virginica	CPSSHFEKTENRFSFDKYTYKEEIRLVLLGKT 142
XP 022299408.1 GTPase IMAP family member 7-like isoform X3 Crassostrea virginica	CPSSHFEKTENRFSFDKYTYKEEIRLVLLGKT 154
XP 022299407.1 GTPase IMAP family member 7-like isoform X2 Crassostrea virginica	CPSSHFEKTENRFSFDKYTYKE <mark>EIR</mark> LV <mark>LLGKT</mark> 155
XP 022299410.1 GTPase IMAP family member 7-like isoform X5 Crassostrea virginica	CPSSHFEKTENRFSFDKYTYKEEIRLVLLGKT 153
XP 022299411.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	CPSSHFEKTENRFSFDKYTYKEEIRLVLLGKT 145
XP 022299412.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	CPSSHFEKTENRFSFDKYTYKEEIRLVLLGKT 145
XP 022299413.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	CPSSHFEKTENRFSFDKYTYKE <mark>E</mark> IRLV <mark>LLGKT</mark> 145
XP 022299414.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	CPSSHFEKTENRFSFDKYTYKE <mark>EIR</mark> LV <mark>LLGKT</mark> 145
XP 022299415.1 GTPase IMAP family member 7-like isoform X7 Crassostrea virginica	CPSSHFEKTENRFSFDKYTYKEEIRLVLLGKT 144
XP 022291053.1 GTPase IMAP family member 4-like Crassostrea virginica	PKDVMGREKQEMWDFSEVCPAEREVRLVLLGKT 119
XP 022304158.1 GTPase IMAP family member 7-like Crassostrea virginica	FYDE <mark>E</mark> I <mark>RI</mark> VLL <mark>GKT</mark> 130
XP 022304950.1 GTPase IMAP family member 7-like Crassostrea virginica	KLTLRIVLLGKT 76
XP 022310198.1 GTPase IMAP family member 4-like Crassostrea virginica	SMESEKTSADDSCSMPDSRSIPQEVRIVLIGKT 125
XP 022296314.1 GTPase IMAP family member 4-like Crassostrea virginica	IDR <mark>EIRIVLLGKT</mark> 16
XP 022301668.1 GTPase IMAP family member 4-like Crassostrea virginica	IDR <mark>E</mark> VRLVLLGKT 16
XP 022301131.1 GTPase IMAP family member 4-like Crassostrea virginica	MWR <mark>E</mark> IRLVLLGKT 33
XP 022301812.1 GTPase IMAP family member 4-like Crassostrea virginica	MKQ <mark>E</mark> IRLVLLGKT 13
XP 022301132.1 GTPase IMAP family member 4-like Crassostrea virginica	MKK <mark>E</mark> IRLV <mark>L</mark> LGKT 13
XP 022301145.1 GTPase IMAP family member 4-like Crassostrea virginica	MWREIRLVLLGKT 33 MKQEIRLVLLGKT 13 MKKEIRLVLLGKT 13 MKKEIRLVLLGKT 13 MEKEIRLVLLGKT 13
XP 022301588.1 GTPase IMAP family member 4-like Crassostrea virginica	FDKEIRLVLLGKT 33
XP 022301589.1 GTPase IMAP family member 4-like Crassostrea virginica	FDK <mark>E</mark> IRLV <mark>LLGKT</mark> 33
XP 022301590.1 GTPase IMAP family member 7-like Crassostrea virginica	IDK <mark>E</mark> I <mark>RIVLL</mark> GKT 31
XP 022296665.1 GTPase IMAP family member 4-like Crassostrea virginica	CGSHKGGGGGYRSRGKSRYGKGIDNEVRIVLLGKT 91
XP 022296700.1 GTPase IMAP family member 4-like Crassostrea virginica	CGSHKGGGGGYRSYGKSRYGKGIDN <mark>E</mark> V <mark>RI</mark> VLL <mark>GKT</mark> 91
XP 022295827.1 GTPase IMAP family member 4-like Crassostrea virginica	CGSHKGGGGGHGSRGKSRYGKGIDN <mark>E</mark> V <mark>RI</mark> V <mark>LL</mark> GKT 91
	TATRICE TAKE OA

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.....IGIDKEVRIVLLGKT

.....KEVRIVLQGKT

.....MCSNLRIVLLGKT

.....METLQDNGEFRLVLLGKT

.....NNEVRILLIGKT

.....NNEVRILLIGKTDSSNNERRILLI

.....DSSNNERRILLIGKT

.....DFNNNERRILLIGKT

.....AINSNEIRILLIGKT

.....AINSNEIRILLIGKT

.....AINNDEVRILLIGKT

....AINNDEVRILLIGKT

....AINNDEVRILLIGKT

.....AINNDEVRILLIGKT

.....AINNDEVRILLIGKT

....AINNDEVRILLIGKT

VGKGQMKDNAEKHNGEDTNLNSRCSIMRIVLI

XP 022301840.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022302920.1 GTPase IMAP family member 4-like Crassostrea virginica XP 022300251.1 GTPase IMAP family member 7-like Crassostrea virginica

XP 022292452.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022292453.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022291927.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022298533.1 GTPase IMAP family member 4-like, partial Crassostrea virginica

XP 022297620.1 GTPase IMAP family member 7-like isoform X3 Crassostrea virginica

XP 022287294.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022287295.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022295273.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022295274.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica XP 022295275.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295276.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295277.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica XP 022295278.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295279.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica XP 022295280.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica

XP 022300528.1 LOW QUALITY PROTEIN: GTPase IMAP family member 4-like Crassostrea virginica

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logo
XP 022296317.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                                                                                        GSGKSATTNTILG.PARVRPTLPKISYDIESEKRY
                                                                                                                                                        GSGKSATTNTILG.PATVRPTLPKISYDIESEKKY
XP 022302183.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                                                                                        GTGKSATGNSILG.KRVFASSMSPASVTSKCSQSH
XP 022303805.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica
                                                                                                                                                       GTGKSATGNSILG.KRVFASSMSPASVTSKCSQSH
GTGKSATGNSILG.KRVFASSMSPASVTSKCSQSH
GTGKSATGNSILG.ERVFASSMSPASVTSKCSQSH
GTGKSATGNSILG.ERVFASSMSPASVTSKCSQSH
GTGKSATGNSILG.ERVFASSMSPASVTSKCSQSH
GAGKSATGNSILG.KKAFVSSMSSATGASTYYQSH
GSGKSATGNTILG.FTKFSSKLSAISETSVCSLSI
GSGKSATGNTILG.SKKFKSELSGKSETKMCSQWS
XP 022303806.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica
XP 022304626.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica
XP 022304627.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica
XP 022304628.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica
XP 022307700.1 GTPase IMAP family member 4-like Crassostrea virginica
XP 022335699.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                                                                                      GSGKSATGNTILG.IKKFKSELSGKSETKMCSQWS
GSGKSATGNSILG.SNAFESMPSGNSVNRVCSMKT
GSGKSATGNTILG.KYNFESTFSGSSVTRVCSKKF
XP 022297635.1 GTPase IMAP family member 4-like Crassostrea virginica
XP 022291746.1 GTPase IMAP family member 4-like Crassostrea virginica
XP 022299405.1 GTPase IMAP family member 7-like isoform X1 Crassostrea virginica
XP 022299409.1 GTPase IMAP family member 7-like isoform X4 Crassostrea virginica
XP 022299416.1 GTPase IMAP family member 7-like isoform X8 Crassostrea virginica
XP 022299418.1 GTPase IMAP family member 7-like isoform X9 Crassostrea virginica
XP 022299408.1 GTPase IMAP family member 7-like isoform X3 Crassostrea virginica
XP 022299407.1 GTPase IMAP family member 7-like isoform X2 Crassostrea virginica
XP 022299410.1 GTPase IMAP family member 7-like isoform X5 Crassostrea virginica
XP 022299411.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica
XP 022299412.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica
XP 022299413.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica
XP 022299414.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica
XP 022299415.1 GTPase IMAP family member 7-like isoform X7 Crassostrea virginica
XP 022291053.1 GTPase IMAP family member 4-like Crassostrea virginica
XP 022304158.1 GTPase IMAP family member 7-like Crassostrea virginica
XP 022304950.1 GTPase IMAP family member 7-like Crassostrea virginica
                                                                                                                                                       GCGKSTTGNSILK.TINFETSVLAGSCTQICTLRE
GSGKSATGNTILG.LKRFNSRLSGSSITRICSQNS
GSGKSATGNSILG.FKRFNSSLSGSSITRICSQNS
GCGKSATGNTILG.SERFRTMISGSSVTHVCSQNS
GCGKSATGNTILG.SKKFLTMISGSSVTHVCSQNF
XP 022310198.1 GTPase IMAP family member 4-like Crassostrea virginica
XP 022296314.1 GTPase IMAP family member 4-like Crassostrea virginica
XP 022301668.1 GTPase IMAP family member 4-like Crassostrea virginica
XP 022301131.1 GTPase IMAP family member 4-like Crassostrea virginica
XP 022301812.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                                                                                      GCGKSATGNTILG.SKKFLTMISGSSVTHVCSQNF
GCGKSATGNTILG.SEKFRTMISGSSVTHVCLQNS
GCGKSATGNTILG.SEKFRSMISGSSVTHVCSQNF
GCGKSATGNTIFG.SVKFQSKLSGISVTHVCSQDY
GCGKSATGNTIFG.SVKFQSKLSGISVTHVCSQDY
GCGKSATGNTIFG.CEKFQAKLSGSSVTHVCSQNS
GSGKSATGNTILN.GDFFESTTSGSSITSRCTSRH
GSGKSATGNTILN.GDFFESTTSGSSITSRCTSRH
GSGKSATGNTILN.DDFFESTTSGSSITSRCTSRH
GSGKSATGNTILN.DDFFESTTSGSSVTSRCTSRH
GSGKSATGNTILN.GDYFESTTSGSSVTSRCTSRH
GSGKSATGNTILN.GDYFESTTSGSSVTSRCTSRH
GSGKSATGNTILN.GDYFESTASGSSVTSRCTSRH
GCGKSATGNTILG.ENVFISTASATSVTALCISRF
XP 022301132.1 GTPase IMAP family member 4-like Crassostrea virginica
XP 022301145.1 GTPase IMAP family member 4-like Crassostrea virginica
XP 022301588.1 GTPase IMAP family member 4-like Crassostrea virginica
XP 022301589.1 GTPase IMAP family member 4-like Crassostrea virginica
XP 022301590.1 GTPase IMAP family member 7-like Crassostrea virginica
XP 022296665.1 GTPase IMAP family member 4-like Crassostrea virginica
XP 022296700.1 GTPase IMAP family member 4-like Crassostrea virginica
XP 022295827.1 GTPase IMAP family member 4-like Crassostrea virginica
XP 022301840.1 GTPase IMAP family member 4-like Crassostrea virginica
XP 022300528.1 LOW QUALITY PROTEIN: GTPase IMAP family member 4-like Crassostrea virginica
XP 022298533.1 GTPase IMAP family member 4-like, partial Crassostrea virginica
                                                                                                                                                       GCGKSATGNTILG.ENVFISTASATSVTALCISRF
GSGKSATGNTILG.KKLFASTASASSVTALCSSRF
GSGKSSTGNMICG.QDVFGSRVSESSVTKTCQYVE
GTGKSTTGNTILG.RKAFATMLSATPVTSKTEYQM
XP 022297620.1 GTPase IMAP family member 7-like isoform X3 Crassostrea virginica
XP 022302920.1 GTPase IMAP family member 4-like Crassostrea virginica
XP 022300251.1 GTPase IMAP family member 7-like Crassostrea virginica
XP 022287294.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica
                                                                                                                                                        GTGKSTTGNTILG.RKAFATMLSATPVTSKTEYQM
XP 022287295.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica
XP 022292452.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                                                                                        GVGKSTTGNTILG.FDAFHTKTSATSVTTQTQFSE
                                                                                                                                                        GVGKSTTGNTILG.FDAFDSKTSTTSVTTQTQFSE
XP 022292453.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                                                                                        GVGKSTTGNTILG.FPAFKTDTSATSVTTQTQYNE
XP 022291927.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                                                                                        GVGKSTTGNTILG.FRAFGTKVSASSVTTQTQYNE
XP 022295273.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica
                                                                                                                                                        GVGKSTTGNTILG.FRAFGTKVSASSVTTQTQYNE
XP 022295274.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica
                                                                                                                                                        G<mark>VGKST</mark>TGNTILG.FRAFDTKVSASSVTTQTQYNE
GVGKSTTGNTILG.FRAFDTKVSASSVTTQTQYNE
XP 022295275.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica
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XP 022295276.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295277.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295278.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295279.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica XP 022295280.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica 57

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159 50

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67 65

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125 125

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GVGKSTTGNTILG.FRAFDTKVSASSVTTQTQYNE GVGKSTTGNTILG.FRAFDTKVSASSVTTQTQYNE

G<mark>VGKST</mark>TGNTILG.FRA<mark>F</mark>DTKV<mark>SA</mark>SSVTTQTQYNE

GVGKSTTGNTILG.FRAFDTKVSASSVTTQTQYNE

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XP 022296317.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                         AVRFNRLVSIVEMSDIFVKE.......
                                                                                         AIRFNRLVSIVEMSDIFDKE.....
XP 022302183.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                         TTRFGKKIVIVDTPGIYDTN.......
XP 022303805.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica
                                                                                         XP 022303806.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica
XP 022304626.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica
XP 022304627.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica
                                                                                         TTRFGKKIVIVDTPGIYDTN......
                                                                                         TTRFGKKIVIVDTPGIYDTN.......
XP 022304628.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica
                                                                                         NTRVRQKIVIVDTPGISDTN.......
XP 022307700.1 GTPase IMAP family member 4-like Crassostrea virginica
XP 022335699.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                         VCRFNKKIIIVDTPGICDTDK......
                                                                                         AIRFNKKVLVIDTPGVFDTD.......
XP 022297635.1 GTPase IMAP family member 4-like Crassostrea virginica
XP 022291746.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                         SVRFNKKVVIVDTPGIFYST.....
                                                                                         SIRFGYKLLVVDTPGIFDTT.....
XP 022299405.1 GTPase IMAP family member 7-like isoform X1 Crassostrea virginica
                                                                                         SIRFGYKLLVVDTPGIFDTT.....
XP 022299409.1 GTPase IMAP family member 7-like isoform X4 Crassostrea virginica
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XP 022299416.1 GTPase IMAP family member 7-like isoform X8 Crassostrea virginica

XP 022299418.1 GTPase IMAP family member 7-like isoform X9 Crassostrea virginica

XP 022299408.1 GTPase IMAP family member 7-like isoform X3 Crassostrea virginica XP 022299407.1 GTPase IMAP family member 7-like isoform X2 Crassostrea virginica

XP 022299410.1 GTPase IMAP family member 7-like isoform X5 Crassostrea virginica

XP 022299411.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica

XP 022299412.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica

XP 022299413.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica

XP 022299414.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica

XP 022299415.1 GTPase IMAP family member 7-like isoform X7 Crassostrea virginica

XP 022291053.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022304158.1 GTPase IMAP family member 7-like Crassostrea virginica

XP 022304950.1 GTPase IMAP family member 7-like Crassostrea virginica XP 022310198.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022296314.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022301668.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022301131.1 GTPase IMAP family member 4-like Crassostrea virginica XP 022301812.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022301132.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022301145.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022301588.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022301589.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022301590.1 GTPase IMAP family member 7-like Crassostrea virginica XP 022296665.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022296700.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022295827.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022301840.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022302920.1 GTPase IMAP family member 4-like Crassostrea virginica XP 022300251.1 GTPase IMAP family member 7-like Crassostrea virginica

XP 022292452.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022292453.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022291927.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022298533.1 GTPase IMAP family member 4-like, partial Crassostrea virginica XP 022297620.1 GTPase IMAP family member 7-like isoform X3 Crassostrea virginica

XP 022287294.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022287295.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022295273.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022295274.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022295275.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295276.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295277.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295278.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295279.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica XP 022295280.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica

XP 022300528.1 LOW QUALITY PROTEIN: GTPase IMAP family member 4-like Crassostrea virginica

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SIRFGYKLLVVDTPGIFDTT.....

SIRFGYKLLVVDTPGIFDTT.....

SIRFGYKLLVVDTPGIFDTT.....

SIRFGYKLLVVDTPGIFDTT.....SIRFGYKLLVVDTPGIFDTT.....

SIRFGYKLLVVDTPGIFDTT.....

SIRFGYKLLVVDTPGIFDTT.....

SIRFGYKLLVVDTPGIFDTT.....

SIRFGYKLLVVDTPGIFDTT.....

SIRFGYKLLVVDTPGIFDTT......

ANRFNRKIIVVDTPGIFDTE.....

EFRFNKKIVIVDTPGFFDTK.....ADRFGKEIVVVDTPGLFDTK.....

GVIFDKKVVLIDTPGIFDTK.....AVRFKRKIVIVDTPGIFDTK.....

AVRFKRKIVIVDTPGIFDTK......

VDRFNRKIVIVDTPGIFDTE.....AYRFDRKIVIVDTPGIFDTE.....

VNRFNRKIVIVDTPGIFDTE.......

AYRFNRKIVIVDTPGIFDTE.....

TIRFSKKIVIVDTPGIFDTS......

TIRFSKKIVIVDTPGIFDTS.....

AIRFNKKIVIVDTPGIFDTS......

AQRFGKEIQIVDTPGVFDTN......

AQRFGKEIQIVDTPGVFDTN.....AQRFGKEIQIVDTPGVFDTN.....

AQRFGRNIQIVDTPGIFDTN......

AQRFGRDIQVVDTPGIFDTX......

AQRFGRNIQIVDTPGIFDTN.....

ANRFGRDIQVVDTPGIFDTN.....

AKRFGRDIQVVDTPGIFDTS.....

TSRFGQTLSIVDTPGSFDTT.....

ERRFGKKLVVVDTPGLCDP......

ERRFGKKLVVVDTPGLCDP.....

TERFGRRLVVVDTPGLFDT.....TERFGRRLVVVDTPGLFDT.....

ADRFGKRLIVVDTPGYLDT......

TERFGKRLVVVDTPGLFDT.....TERFGKRLVVVDTPGLFDT.....

TDRFGKRLVVVDTPGLFDT....TDRFGKRLVVVDTPGLFDT....TDRFGKRLVVVDTPGLFDT....TDRFGKRLVVVDTPGLFDT....

TDRFGKRLVVVDTPGLFDT.......

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XP 022296317.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                                              ..ENSEQFLDDMFKCICLSSPGPHAFVFVFNGTKV
                                                                                                                                                            110
                                                                                                              ..ENSEQFLDDMFKCICLSSPGPHAFVFVFNGTKV
                                                                                                                                                             110
XP 022302183.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                                             ..RTKKQINE<mark>EIQRC</mark>IGIS<mark>SPGPHGFIFV</mark>LS.PLR
                                                                                                                                                             170
XP 022303805.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica
                                                                                                             ..RTKKQINEEIQRCIGISSPGPHGFIFVLS.PLR
..RTKKQINEEIQRCIGISSPGPHGFIFVLS.PLR
                                                                                                                                                             170
XP 022303806.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica
                                                                                                                                                             143
XP 022304626.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica
                                                                                                             ..RTKKQINE<mark>EIQRC</mark>IGIS<mark>SPGPH</mark>GF<mark>IFV</mark>LS.PLR
XP 022304627.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica
                                                                                                                                                             124
                                                                                                              ..RTKKQINE<mark>EIQR</mark>CIGIS<mark>SPGPH</mark>GFIFVLS.PLR
                                                                                                                                                             118
XP 022304628.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica
                                                                                                              ..RTKNQINEVIQRSIGISAPGPHVFIFVLS.SLR
                                                                                                                                                             208
XP 022307700.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                                              .KKTNDVIQLEISKCICMTSPGPHAFILVISITSR
XP 022335699.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                                                                                             116
                                                                                                              ..QTNEFTQEEISKCIGISSPGPHAFIIVINIANR
                                                                                                                                                             115
XP 022297635.1 GTPase IMAP family member 4-like Crassostrea virginica
XP 022291746.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                                              ..KTNEKTEQEMYKCISMTYPGPHAFLFVINIAVR
                                                                                                                                                             332
                                                                                                              ..QSNEDIQEEIKKCVLLTSPGPHAFILILRLDAR
                                                                                                                                                             243
XP 022299405.1 GTPase IMAP family member 7-like isoform X1 Crassostrea virginica
                                                                                                              ..QSNEDIQEEIKKCVLLTSPGPHAFILILRLDAR
                                                                                                                                                             241
XP 022299409.1 GTPase IMAP family member 7-like isoform X4 Crassostrea virginica
                                                                                                              ..QSNEDIQEEIKKCVLLTSPGPHAFILILRLDAR
..QSNEDIQEEIKKCVLLTSPGPHAFILILRLDAR
                                                                                                                                                             230
XP 022299416.1 GTPase IMAP family member 7-like isoform X8 Crassostrea virginica
                                                                                                                                                             229
XP 022299418.1 GTPase IMAP family member 7-like isoform X9 Crassostrea virginica
                                                                                                             ..QSNEDIQEEIKKCVLLTSPGPHAFILILRLDAR
XP 022299408.1 GTPase IMAP family member 7-like isoform X3 Crassostrea virginica
                                                                                                                                                             241
                                                                                                              ..QSNEDIQEEIKKCVLLTSPGPHAFILILRLDAR
                                                                                                                                                             242
XP 022299407.1 GTPase IMAP family member 7-like isoform X2 Crassostrea virginica
XP 022299410.1 GTPase IMAP family member 7-like isoform X5 Crassostrea virginica
                                                                                                              ..QSNEDIQEEIKKCVLLTSPGPHAFILILRLDAR
                                                                                                                                                             240
                                                                                                              ..QSNEDIQE<mark>EIKKC</mark>VLLT<mark>SPGPHA</mark>FILILRLDAR
                                                                                                                                                             232
XP 022299411.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica
                                                                                                              ..QSNEDIQEEIKKCVLLTSPGPHAFILILRLDAR
                                                                                                                                                             232
XP 022299412.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica
                                                                                                             ..QSNEDIQE<mark>EI</mark>K<mark>KC</mark>VLLT<mark>SPGPHA</mark>FILILRLDAR
XP 022299413.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica
                                                                                                                                                             232
                                                                                                              ..QSNEDIQEEIKKCVLLTSPGPHAFILILRLDAR
..QSNEDIQEEIKKCVLLTSPGPHAFILILRLDAR
                                                                                                                                                             232
XP 022299414.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica
                                                                                                                                                             231
XP 022299415.1 GTPase IMAP family member 7-like isoform X7 Crassostrea virginica
                                                                                                              ..ETNEKIQQ<mark>EI</mark>H<mark>KC</mark>IGIT<mark>SPGPHAFIMV</mark>ISIANR
                                                                                                                                                             206
XP 022291053.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                                             ..QSNKIIQDEISKCITLSSPGPHAFILVLSISNR
..KTTKKVLNEISKCIGLSSPGPHAFIMVLSVGSD
                                                                                                                                                             217
XP 022304158.1 GTPase IMAP family member 7-like Crassostrea virginica
XP 022304950.1 GTPase IMAP family member 7-like Crassostrea virginica
                                                                                                                                                             163
                                                                                                              ..ESNDEIQQEILRCIQLSSPGPHAFIFVLNIATR
..QTNEEVQNEIYKCIGITSPGPHAFILVLSLAAR
XP 022310198.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                                                                                             212
                                                                                                                                                             103
XP 022296314.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                                              ..QTNEEVQNEIYKCIGITSPGPHAFILVLSLAAR
                                                                                                                                                             103
XP 022301668.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                                              ..ÈTNEKVQE<mark>EIYKC</mark>IGIT<mark>SPGPHAF</mark>ILVINVAER
                                                                                                                                                             120
XP 022301131.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                                              ..ETNEKVQEEIYKCIGITSPGPHAFILVINAAER
                                                                                                                                                             100
XP 022301812.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                                              ..ETNEKIQEEIFKCIGITSPGPHAFILVINAAER
                                                                                                                                                             100
XP 022301132.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                                              ..ETNEKVQEEIYKCIGITSPGPHAFILVINAAER
                                                                                                                                                             100
XP 022301145.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                                              ..ESNENVQEEINKCIGITSPGPHAFILVLNIVER
                                                                                                                                                             120
XP 022301588.1 GTPase IMAP family member 4-like Crassostrea virginica
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XP 022301590.1 GTPase IMAP family member 7-like Crassostrea virginica

XP 022296665.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022296700.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022295827.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022301840.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022302920.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022300251.1 GTPase IMAP family member 7-like Crassostrea virginica

XP 022292452.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022292453.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022291927.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022298533.1 GTPase IMAP family member 4-like, partial Crassostrea virginica

XP 022297620.1 GTPase IMAP family member 7-like isoform X3 Crassostrea virginica

XP 022287294.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022287295.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022295273.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022295274.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022295275.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295276.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295277.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295278.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295279.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica XP 022295280.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica

XP 022300528.1 LOW QUALITY PROTEIN: GTPase IMAP family member 4-like Crassostrea virginica

..ESNENVQEEINKCIGITSPGPHAFILVLNIVER ..ESNEKVQEEINKCIGITSPGPHAFILVLNITER

...IPNDVVQREIVKCIGMTSPGPHCFLLVL.GLSR

..IPNDVVQR<mark>EIVKC</mark>IGMTSPGPHCFLLVL.GLSR

..IPNHVVQREIVKCIGMTSPGPHCFLLVL.GLSR

..KPNDVVQR<mark>EI</mark>IKCIGIT<mark>SPGPH</mark>CFLLVM.GLSR

..APNDVVQREIVKCIGITSPGPHCFLLVL.GLSR

..KPNDVVQREIIKCIGITSPGPHCFLLVM.GLSR

..TPNDVVQKKIFHCIAMTSPGPHCFLLVL.EVSR

..TPNDVVQKK<mark>I</mark>FQ<mark>C</mark>VAMT<mark>SPGPH</mark>CFL<mark>LV</mark>L.EVSR

..VSNDVIMTEVARCLALSAPGPHVFIYVFNALSR

.SQSDTKIIT<mark>EI</mark>SKWYTLM<mark>SPGTHA</mark>ILLVVK.AGR

.SQSDTKIIT<mark>EI</mark>SKWYTLM<mark>SPG</mark>IHAILLVVK.AGR

.TKTKEELKLEISRWYALV<mark>SPGIHAIILV</mark>VQ.VGR

.TKTKEELKLEISRWYSILSPGIHAIILVVQ.VGR

.NMTKNEIEM<mark>EI</mark>SRWYSLV<mark>SPG</mark>IHAIILVVR.VGR

.NRTEQDILVEMSKWYSLVSPGIHAIILVVQ.VGR

.NRTEQDILVEMSKWYSLVSPGIHAIILVVQ.VGR

.NRTEQEILVEMSKWYSLVSPGIHAIILVVQ.VGR

.NRTEQEILVEMSKWYSLVSPGIHAIILVVQ.VGR

.NRTEQEILVEMSKWYSLVSPGTHAIILVVQ.VGR .NRTEQEILVEMSKWYSLVSPGTHAIILVVQ.VGR

.NRTEQEILVEMSKWYSLVSPGIHAIILVVQ.VGR

.NRTEQEILVEMSKWYSLVSPGIHAIILVVQ.VGR

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XP 022296317.1 GTPase IMAP family member 4-like Crassostrea virginica XP 022302183.1 GTPase IMAP family member 4-like Crassostrea virginica	YTTEDGRALERFVNTFG.EEIFKFCIVLVTRKDEL 144 YTTEDGRALERFVNTFG.EEIFKFCIVLVTRKDEL 144
XP 022303805.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica	FTKEEQQSVENFIEQFG.EQIYEYSFVLFTRGDDL 204
XP 022303806.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica	FTKEEQQSVENFIEQFG.EQIYEYSFVLFTRGDDL 204
XP 022304626.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica	FTKEEQQSVENFIEQFG.KQIYEYSFVLFTRGDDL 177
XP 022304627.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica	FTKEEQQSVENFIEQFG.KQIYEYSFVLFTRGDDL 158
XP 022304628.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica	FTKEEQQSVENFIEQFG.KQIYEYSFVLFTRGDDL 152
XP 022307700.1 GTPase IMAP family member 4-like Crassostrea virginica	FTQEEQQFVENFIEQFG.EQVYEYSIVLFTKGDDL 242
XP 022335699.1 GTPase IMAP family member 4-like Crassostrea virginica	FTDEDKDTVKHFEKYFG.EELYRYLIVVFTGKDQL 150
XP 022297635.1 GTPase IMAP family member 4-like Crassostrea virginica	FTEEDMRTVKHFEKYFG.EEFYRYLIVLFTRKDDL 149
XP 022291746.1 GTPase IMAP family member 4-like Crassostrea virginica	FTEEEERSFDFFVRQFG.KDILRYVFVLFTRKDEL 366 FTDEEERSVQHFVDNFG.QNAYKYFIVLFTRKDEL 277
XP 022299405.1 GTPase IMAP family member 7-like isoform X1 Crassostrea virginica	FIDEEERSVQHFVDNFG.QNAYKYFIVLFTRKDEL 277 FTDEEERSVQHFVDNFG.QNAYKYFIVLFTRKDEL 275
XP 022299409.1 GTPase IMAP family member 7-like isoform X4 Crassostrea virginica XP 022299416.1 GTPase IMAP family member 7-like isoform X8 Crassostrea virginica	FTDEEERSVQHFVDNFG.QNAYKYFIVLFTRKDEL 264
XP 022299418.1 GTPase IMAP family member 7-like isoform X9 Crassostrea virginica	FTDEEERSVQHFVDNFG.QNAYKYFIVLFTRKDEL 263
XP 022299408.1 GTPase IMAP family member 7-like isoform X3 Crassostrea virginica	FTDEEERSVQHFVDNFG.QNAYKYFIVLFTRKDEL 275
XP 022299407.1 GTPase IMAP family member 7-like isoform X2 Crassostrea virginica	FTDEEERSVQHFVDNFG.QNAYKYFIVLFTRKDEL 276
XP 022299410.1 GTPase IMAP family member 7-like isoform X5 Crassostrea virginica	FTDEEERSVQHFVDNFG.QNAYKYFIVLFTRKDEL 274
XP 022299411.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	FTDEEERSVQHFVDNFG.QNAYKYFIVLFTRKDEL 266
XP 022299412.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	FTDEEERSVQHFVDNFG.QNAYKYFIVLFTRKDEL 266
XP 022299413.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	FTDEEERSVQHFVDNFG.QNAYKYFIVLFTRKDEL 266
XP 022299414.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	FTDEEERSVOHEVDNEG. ONAYKYETVLETEKDEL 266
XP 022299415.1 GTPase IMAP family member 7-like isoform X7 Crassostrea virginica	FTDEEERSVQHFVDNFG.QNAYKYFIVLFTRKDEL 265
XP 022291053.1 GTPase IMAP family member 4-like Crassostrea virginica	FTEEEQRTVDHFVRHFG.ENIYKYFFVLFTRQDEL 240
XP 022304158.1 GTPase IMAP family member 7-like Crassostrea virginica	FTEEEQQTIEQFVNQFG.NDVYKYFIVLFTRKEDL 251
XP 022304950.1 GTPase IMAP family member 7-like Crassostrea virginica	FTDEEKQVIDNFKKQFG.ESIYSYFIVLFTRRDDL 197
XP 022310198.1 GTPase IMAP family member 4-like Crassostrea virginica	FTEEERKSIQHFIKYFG.EDIYRYIIVLFTRKNDL 246
XP 022296314.1 GTPase IMAP family member 4-like Crassostrea virginica	FTDEEESTVNHFVRYFG.EKIYKYFIVLFTRKEDL 137
XP 022301668.1 GTPase IMAP family member 4-like Crassostrea virginica	FTDEEERTIEHFVRYFG.EKIHRYFIVLFTRKDDL 137
XP 022301131.1 GTPase IMAP family member 4-like Crassostrea virginica	YTTEVERTVEHFVKYFG.ENVYKYFIVLFSRKDQL 154
XP 022301812.1 GTPase IMAP family member 4-like Crassostrea virginica	YTSEEERTVEHFVKYFG.ENVYKYFIVLFTRKDQL 134
XP 022301132.1 GTPase IMAP family member 4-like Crassostrea virginica	YTSEERTVEHFVKYFG.ENVYKYFIVLFTRKDQL 134
XP 022301145.1 GTPase IMAP family member 4-like Crassostrea virginica	YTSEDEFTVQHFVKYFG.GNVYKYFIVLFTRKDQL 134
XP 022301588.1 GTPase IMAP family member 4-like Crassostrea virginica	FTEEEERTVDHFVKHFG.DDIYKYFIVLFTRKNEL 154 FTEEEERTVDHFVKHFG.DDIYKYFIVLFTRKNEL 154
XP 022301589.1 GTPase IMAP family member 4-like Crassostrea virginica XP 022301590.1 GTPase IMAP family member 7-like Crassostrea virginica	FTEEEERTVDHFVKHFG.DDIYKYFIVLFTRKNEL 154 FTEEEERTVDHFVKHFG.DDIYKYFIVLFTRKEEL 152
XP 022296665.1 GTPase IMAP family member 4-like Crassostrea virginica	FTQEEKECIDHFVTYFG.KRVYRYFIVLFTRKDDL 211
XP 022296700.1 GTPase IMAP family member 4-like Crassostrea virginica	FTQEEKECIDHFVTYFG.KRVYRYFIVLFTRKDDL 211
XP 022295827.1 GTPase IMAP family member 4-like Crassostrea virginica	FTQEEKECIDHFVNYFG.KRVYRYFIVLFTRKDDL 211
XP 022301840.1 GTPase IMAP family member 4-like Crassostrea virginica	FTQEEEDSINHFVNNFG.EGAFRYFIVLFTRKDDL 154
XP 022300528.1 LOW QUALITY PROTEIN: GTPase IMAP family member 4-like Crassostrea virginica	FTKEEEDSINHFVNYFG.EGVFRYFIVLFTRKDDL 176
XP 022298533.1 GTPase IMAP family member 4-like, partial Crassostrea virginica	FTQEEEDSISHFVNNFG.EGAFRYFIVLFTRKDDL 131
XP 022297620.1 GTPase IMAP family member 7-like isoform X3 Crassostrea virginica	FTKEEKECIDHFIKYFG.ENICQYFIILFTRKDDL 352
XP 022302920.1 GTPase IMAP family member 4-like Crassostrea virginica	FTNEEKECINHFVKNVG.ENVYQHSIILFTRKDDL 133
XP 022300251.1 GTPase IMAP family member 7-like Crassostrea virginica	FTKEEEDSIKQFVDHFG.ERVFDYMMVVFTRHDDL 139
XP 022287294.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica	FTDEDQHTVDLFMKVFG.DDLKKYLIVVFADKEQL 141
XP 022287295.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica	FTDEDQHTVDLFMKVFG.DDLKKYLIVVFADKEQL 141
VP 022207452 1 CTPage TMAP family member A-like Crassostrea virginica	ETEEEOKTVOEEMAVEC EELOKVITVVETOKOKI 179

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FTEEEQKTVDFFMAVFG.EELQKYLIVVFTDKDKL FTEEEQKTVEFFMAVFG.EELKKYLIVVFTGKDKL

FTEEDQKTVDYFMTVFG.EEVKNYLIVVFTDKEKI

FTEEEQKTVDFFMKVFG.EDLKDYLIVVFTHKDRI

FTEEEQKTVDFFMKVFG.EDLKDYLIVVFTHKDRL

FTEEEQKTVDFLMKVFG.EDLKDYLVVVFTNKDRL FTEEEQKTVDFLMKVFG.EDLKDYLVVVFTNKDRL

FTEEEQKTVDFLMKVFG.EDLKDYLVVVFTNKDRL

FTEEEQKTVDFLMKVFG.EDLKDYLVVVFTNKDRL

FTEEEQKT<mark>V</mark>DFLMKV<mark>FG.EDLKDYLVVVFTN</mark>KDRL

FTEEEQKTVDFLMKVFG.EDLKDYLVVVFTNKDRL

XP 022295273.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022295274.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022295275.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295276.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295277.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295278.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295279.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica XP 022295280.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica

XP 022292452.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022292453.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022291927.1 GTPase IMAP family member 4-like Crassostrea virginica

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	DEENKTYEEKYET ESERTE
XP 022296317.1 GTPase IMAP family member 4-like Crassostrea virginica XP 022302183.1 GTPase IMAP family member 4-like Crassostrea virginica XP 022303805.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica	DKDGILVRDHIKGYPENLQKFIG 167
XP 022302183.1 GTPase IMAP family member 4-like Crassostrea virginica	DKDGILVR <mark>D</mark> HIKGYPEN <mark>L</mark> QKF <mark>I</mark> G 167
XP 022303805.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica	EDENISLF <mark>D</mark> LLRQAPEN <mark>L</mark> RNFVK 227
XP 022303806.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica	EDENISLFDLLRQAPENLRNFVK 227
XP 022304626.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica	EDEKISLYDLLKQAPENLRNFVK 200
XP 022304627.1 GIPase IMAP family member 4-like isoform X2 Crassostrea virginica	EDEKISLY <mark>D</mark> LLKQAPENLRNFVK 181 EDEKISLY <mark>D</mark> LLKQAPENLRNFVK 175
AP 022304020.1 GIPASE IMAP IAMILLY MEMBER 4-like ISOLOTM AS CLASSOSCIER VILGITICA YD 022307700 1 CTDaga IMAP family member 4-like Crassostraa virginica	EDEKISLY <mark>D</mark> LLKQAPENLRNFVK 175 EDENKSLI <mark>D</mark> LLKQAPENLQNF <mark>I</mark> K 265
XP 022335699 1 GTPase IMAP family member 4-like Crassostrea virginica	EARNMSLEEYIQNSPAELQSLTK 173
XP 022297635.1 GTPase IMAP family member 4-like Crassostrea virginica	DKSGKGLADYIENSPNDLKDLLK 172
XP 022291746.1 GTPase IMAP family member 4-like Crassostrea virginica	DRNQTNLN <mark>D</mark> FLKCFPPALILL <mark>I</mark> Q 389
XP 022299405.1 GTPase IMAP family member 7-like isoform X1 Crassostrea virginica	IANKI <mark>T</mark> LS <mark>D</mark> HIQKTPIE <mark>L</mark> QTV <mark>I</mark> K 300
XP 022299409.1 GTPase IMAP family member 7-like isoform X4 Crassostrea virginica	IANKI <mark>T</mark> LS <mark>D</mark> HIQKTPIE <mark>L</mark> QTV <mark>I</mark> K 298
XP 022299416.1 GTPase IMAP family member 7-like isoform X8 Crassostrea virginica	IANKITLSDHIQKTPIELQTVIK 287
XP 022302183.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica XP 022303806.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica XP 02230462C1.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica XP 02230462C1.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica XP 02230462C1.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica XP 02230462C1.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica XP 02230462C1.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica XP 0223036699.1 GTPase IMAP family member 4-like Crassostrea virginica XP 022297635.1 GTPase IMAP family member 4-like Crassostrea virginica XP 022291746.1 GTPase IMAP family member 4-like Crassostrea virginica XP 022299409.1 GTPase IMAP family member 7-like isoform X4 Crassostrea virginica XP 022299409.1 GTPase IMAP family member 7-like isoform X4 Crassostrea virginica XP 022299418.1 GTPase IMAP family member 7-like isoform X8 Crassostrea virginica XP 022299408.1 GTPase IMAP family member 7-like isoform X3 Crassostrea virginica XP 022299407.1 GTPase IMAP family member 7-like isoform X2 Crassostrea virginica XP 022299410.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica XP 022299411.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica XP 022299411.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica XP 022299413.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica XP 022299413.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica XP 022299413.1 GTPase IMAP family member 7-like isoform X7 Crassostrea virginica XP 022299413.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica XP 022299413.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica XP 022301131.1 GTPase IMAP family member 7-like Crassostrea virginica XP 022301131.1 GTPase IMAP family member 4-like Crassostrea virginica XP 022301131.1 GTPase IMAP family member 4-like Crassostrea virginica	IANKITLSDHIQKTPIELQTVIK 286
AP 022299408.1 GIPase IMAP family member 7-like isoform A3 Crassostrea virginica	IANKITLSDHIQKTPIELQTV <mark>I</mark> K 298 IANKITLSDHIQKTPIELQTV <mark>I</mark> K 299
AF 022233401.1 GIFASE IMAF IAMILY MEMBER F-LIKE ISOLOUM AZ GLASSOSUFEA VIRGINICA VP 022293401.1 GTPase IMAP family member 7-like isoform V5 Crassostrea virginica	IANKITLSDHIQKTPIELQTVIK 299 IANKITLSDHIQKTPIELQTVIK 297
XP 022299411.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	IANKI <mark>T</mark> LS <mark>D</mark> HIQKTPIE <mark>L</mark> QTV <mark>I</mark> K 289
XP 022299412.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	IANKITLSDHIQKTPIELQTVIK 289
XP 022299413.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	IANKITLSDHIQKTPIELQTVIK 289
XP 022299414.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	IANKI <mark>T</mark> LS <mark>D</mark> HIQKTPIE <mark>L</mark> QTV <mark>I</mark> K 289
XP 022299415.1 GTPase IMAP family member 7-like isoform X7 Crassostrea virginica	IANKI <mark>T</mark> LS <mark>D</mark> HIQKTPIE <mark>L</mark> QTV <mark>I</mark> K 288
XP 022291053.1 GTPase IMAP family member 4-like Crassostrea virginica	ERHNINLHDHIRDSPPNLRLFIK 263
XP 022304158.1 GTPase IMAP family member 7-like Crassostrea virginica	DRDNVSLVEHIRKSPVELINFIE 274
XP 022304950.1 GTPase IMAP family member 7-like Crassostrea virginica	DRENQSLDEYIKSSPPRLVKFIE 220
AP 022310198.1 GIPase IMAP Tamily member 4-like Crassostrea Virginica	DRHNLSLEKYIEKSDENLKSFIA 269 DRKKISIMDYINNNSPPSLQTFVQ 161
AP 022290514.1 GIPASE IMAP IAMILLY MEMBER 4-like Classostled Virginica YP 022301668 1 GTPase IMAP family member 4-like Crassostrea virginica	DRKKISIM <mark>D</mark> YINNNSPPS <mark>L</mark> QTFVQ 161 DRRTISIM <mark>D</mark> YINDYSPPNLRTFVQ 161
XP 022301131.1 GTPase IMAP family member 4-like Crassostrea virginica	DAKNIAIEEYVKG
XP 022301812.1 GTPase IMAP family member 4-like Crassostrea virginica	DAQNITIEKYVWGCPSKLRRFIE 157
XP 022301132.1 GTPase IMAP family member 4-like Crassostrea virginica	DAKNI <mark>T</mark> IEEYVRGCPSK <mark>L</mark> QRF <mark>I</mark> E 157
XP 022301145.1 GTPase IMAP family member 4-like Crassostrea virginica	DAKNVTIEEYVKGCPYKLQQFIE 157
XP 022301588.1 GTPase IMAP family member 4-like Crassostrea virginica	DANNTTLREHINS
XP 022301589.1 GTPase IMAP family member 4-like Crassostrea virginica	DANNTTLREHINSCPPKLQKFIH 177
XP 022301590.1 GTPase IMAP family member 7-like Crassostrea virginica	NASNTALKOHLNS
XP 022296665.1 GTPase IMAP family member 4-like Crassostrea virginica XP 022296700.1 GTPase IMAP family member 4-like Crassostrea virginica	DHHGKTLDDHLRTVPQSLKTI <mark>I</mark> S 234 DHHGKTLDDHLRTVPQSLKTI <mark>I</mark> S 234
XP 022295700.1 GTPase IMAP family member 4-like Crassostrea virginica	DHHGKTLDDHFRTVPQSLKTIIS 234 DHHGKTLDDHFRTVPQSLKTIIS 234
XP 022301840.1 GTPase IMAP family member 4-like Crassostrea virginica	DHHGKTLDDHLKTVPESLKTIIA 177
XP 022300528.1 LOW QUALITY PROTEIN: GTPase IMAP family member 4-like Crassostrea virginica	DHHGKTLDDHIKTVPQNLKTIIA 199
XP 022298533.1 GTPase IMAP family member 4-like, partial Crassostrea virginica	DHHGK <mark>T</mark> LD <mark>D</mark> HLKTVPÈS <mark>L</mark> KTI <mark>I</mark> V 154
XP 022297620.1 GTPase IMAP family member 7-like isoform X3 Crassostrea virginica	DYDGK <mark>T</mark> LK <mark>D</mark> HLGTVPED <mark>L</mark> KTI <mark>I</mark> K 375
XP 022302920.1 GTPase IMAP family member 4-like Crassostrea virginica	DHEGKTLKDHLRTAPEDLKTIIE 156
XP 022300251.1 GTPase IMAP family member 7-like Crassostrea virginica	VRCTTSASKYISNVSTNFKTFLS 162
XP 022287294.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica	ECNDMTVTSYIRTMNKSSNLYKLIE 166
XP 022287295.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica	ECNDMTVTSYIRTMNKSSNLYKLTE 166 EKSNSTVEQYVQTYPKSTKFRKLTD 204
XP 022292452.1 GTPase IMAP family member 4-like Crassostrea virginica XP 022292453.1 GTPase IMAP family member 4-like Crassostrea virginica	EKNNLTVEQYVQTYPKSTIFRKLVD 204
XP 022291927.1 GTPase IMAP family member 4-like Crassostrea virginica	VKKTVEEYVQTYPKSSNLRKLVD 189
XP 022295273.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica	EDENITVDEFVQTMDKSSNLRRLLD 208
XP 022295274.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica	EDENITVDEFVQTMDKSSNLRRLID 208
XP 022295275.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica	EDENI <mark>T</mark> VD <mark>D</mark> FVQTMNKSSN <mark>L</mark> RRL <mark>I</mark> D 208
XP 022295276.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica	EDENI <mark>T</mark> VD <mark>D</mark> FVQTMNKSSN <mark>L</mark> RRL <mark>I</mark> D 208
XP 022295277.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica	EDENITVDDFVQTMNKSSNLRRLID 208
XP 022295278.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica	EDENITVDDFVQTMNKSSNLRRLID 208
XP 022295279.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica	EDENITUD FVQTMNKSSNLRRLID 208
XP 022295280.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica	EDENI <mark>T</mark> VD <mark>D</mark> FVQTMNKSSN <mark>L</mark> RRL <mark>I</mark> D 208

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K(SSIXYAFS)
logo
XP 022296317.1 GTPase IMAP family member 4-like Crassostrea virginica
XP 022302183.1 GTPase IMAP family member 4-like Crassostrea virginica
XP 022303805.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica
XP 022303806.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica
XP 022304626.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica
XP 022304627.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica
XP 022304628.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica
XP 022307700.1 GTPase IMAP family member 4-like Crassostrea virginica
XP 022335699.1 GTPase IMAP family member 4-like Crassostrea virginica
XP 022297635.1 GTPase IMAP family member 4-like Crassostrea virginica
XP 022291746.1 GTPase IMAP family member 4-like Crassostrea virginica
XP 022299405.1 GTPase IMAP family member 7-like isoform X1 Crassostrea virginica
XP 022299409.1 GTPase IMAP family member 7-like isoform X4 Crassostrea virginica
XP 022299416.1 GTPase IMAP family member 7-like isoform X8 Crassostrea virginica
XP 022299418.1 GTPase IMAP family member 7-like isoform X9 Crassostrea virginica
XP 022299408.1 GTPase IMAP family member 7-like isoform X3 Crassostrea virginica
XP 022299407.1 GTPase IMAP family member 7-like isoform X2 Crassostrea virginica
XP 022299410.1 GTPase IMAP family member 7-like isoform X5 Crassostrea virginica
XP 022299411.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica
XP 022299412.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica
                                                                                                          KCGGRVIAFDNRC..TEKEQSKQVQELLNTVLENV
XP 022299413.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica
                                                                                                          KCGGRVIAFDNRC..TEKEQSKQVQELLNTVLENV
KCGGRVIAFDNRC..TEKEQSKQVQELLNTVLENV
XP 022299414.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica
XP 022299415.1 GTPase IMAP family member 7-like isoform X7 Crassostrea virginica
                                                                                                          RCGGKVFAIDNTL..AGNRQDQQVGKLLSEIFRNL
XP 022291053.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                                          KCGKRAVAFDNTL..KDEASERQVKELLDLISQNV
XP 022304158.1 GTPase IMAP family member 7-like Crassostrea virginica
XP 022304950.1 GTPase IMAP family member 7-like Crassostrea virginica
                                                                                                           KCGA<mark>RVVA</mark>FD<mark>N</mark>TL..NGKASDD<mark>QV</mark>QD<mark>LL</mark>ELICKNI
                                                                                                          KCGGGAFAIENTL..EGGKMDEQVQELLNRISQNV
KCGNRVIAFDNNL..EGVEQDEQVEKLLDLILENV
XP 022310198.1 GTPase IMAP family member 4-like Crassostrea virginica
XP 022296314.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                                          KCGNRVIAFDNNL..EGVEQDGQVEKLLDLILENV
XP 022301668.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                                          KCGNRVIAFDNNL..EGLEQNVQVKSLLDIILENV
KCGNRVLAFDNNL..EGLEQSEQVKRLLDIILENV
XP 022301131.1 GTPase IMAP family member 4-like Crassostrea virginica
XP 022301812.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                                          KCGNRILAFDNNL..EGPEQNEQVKKLLDIILENV
KCGNRVLAFDNNL..EGLEQNEQVKGMLDIILENV
XP 022301132.1 GTPase IMAP family member 4-like Crassostrea virginica
XP 022301145.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                                          KCGNRVIAFENKV..KGVEQDTQVKELLKIIEKNV
XP 022301588.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                                          KCGNRVIAFENKV..KGVEQDTQVKELLKIIEKNV
KCGNRVLAFENKL..KGVEQDTQVKELLHIIEKNV
XP 022301589.1 GTPase IMAP family member 4-like Crassostrea virginica
XP 022301590.1 GTPase IMAP family member 7-like Crassostrea virginica
                                                                                                          KCDHRCIAFNNRA..PSPARHDQVEDLLEMINDIV
XP 022296665.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                                          KCDHRCIAFNNRA..PSPARHDQVEDLLEMINDIV
XP 022296700.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                                          KCDHRCIAFNNRA..PSPARHDQVEDLLEMINDIV
XP 022295827.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                                          KCNHRCIAFNNTA..SSPAKEDQVEDLLKMIDDMV
XP 022301840.1 GTPase IMAP family member 4-like Crassostrea virginica
                                                                                                          KCGHRCIAFNNRA..PXSCENKQVEDLLKMIDDII
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XP 022300528.1 LOW QUALITY PROTEIN: GTPase IMAP family member 4-like Crassostrea virginica

XP 022298533.1 GTPase IMAP family member 4-like, partial Crassostrea virginica

XP 022302920.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022300251.1 GTPase IMAP family member 7-like Crassostrea virginica

XP 022292452.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022292453.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022291927.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022297620.1 GTPase IMAP family member 7-like isoform X3 Crassostrea virginica

XP 022287294.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022287295.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022295273.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022295274.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022295275.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295276.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295277.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295278.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295279.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica XP 022295280.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica

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NCEGGVFAMSDNI..RDSDQDKEVQKLLNKVIENV
                                                                    200
NCEGGVFAMSDNI..RDSDQDKEVQKLLNKVIENV
                                                                    200
KCGGRTVVFNNKL..KGDENDQQVQYLLDFVSENV
                                                                    260
KCGGRTVVFNNKL..KGDENDQQVQYLLDFVSENV
KCGGRTVVFNNKL..KGDENDKQVQHLLDFVSENV
                                                                    260
                                                                    233
                                                                    214
 KCGG<mark>R</mark>TVVFN<mark>N</mark>KL..KGD<mark>E</mark>NDK<mark>QV</mark>QH<mark>LL</mark>DFVSENV
KCGGRTVVFNNKL..KGDENDKQVQH<mark>LL</mark>DFVSENV
                                                                    208
KCGGRTLVFNNNL..KGEENDKQVQCLLNFVSENV
                                                                    298
KCEGRVFALNNMI..KGSKQINEVKILLNLISENV
KCGDRVFAINNHL..SGSKQDNEVNNLLNLISENM
                                                                    206
                                                                   205
KCGG<mark>R</mark>AI<mark>A</mark>FD<mark>N</mark>TL..KGE<mark>E</mark>LDT<mark>QV</mark>KY<mark>LL</mark>KEIQTNL
                                                                    422
KCGGRVIAFDNRC..TEKEQSKQVQELLNTVLENV
                                                                    333
KCGGRVI<mark>A</mark>FDNRC..TEK<mark>E</mark>QSKQVQELLNTVLENV
                                                                    331
KCGGRVIAFDNRC..TEKEQSKQVQELLNTVLENV
KCGGRVIAFDNRC..TEKEQSKQVQELLNTVLENV
                                                                    320
                                                                   319
KCGGRVIAFDNRC..TEKEQSKQVQELLNTVLENV
                                                                    331
KCGGRVIAFDNRC..TEKEQSKQVQELLNTVLENV
KCGGRVIAFDNRC..TEKEQSKQVQELLNTVLENV
KCGGRVIAFDNRC..TEKEQSKQVQELLNTVLENV
KCGGRVIAFDNRC..TEKEQSKQVQELLNTVLENV
                                                                    332
                                                                    330
                                                                    322
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KCNHCCIAFNNTA..PSPAKEDQVADLLKIEKELL

NCNNRCIALNNRA..PGSEKEEQVKNLLEMIDKMV

KCNNRCIAFNNRA..SGSEQEEQVNHLLAEIDRMV

NCKWRVCWFDNTL..SGSNAGTQVRALLSEVEKMI

EINRRYVAVGVR....DENEKEILEILSMIDAIG

EINRRYVAVGVR....DENEKEILEILSMIDAIG

TNN.RYIAMGYQG..NVQDRDDEVKQILSMVEEIS

TNN. GYIAMGYQG.. NFKDRDDEVKQLLSMVEEIS

ANN.RYMAMGYTG..NVKDRDDEVKQILSMVEEIS

ASKGRYTAIGYKG..KMEERTMEVKQILSMTEEIA

ASKGRYTAIGYKG..KMEERTMEVKQILSMTEEIA

ASKGRYTAIGYKG..KIEERTMEVKQILSMIEEIA

ASKGRYTAIGYKG..KIEERTMEVKQILSMIEEIA

ASKGRYTAIGYKG..KIEERTMEVKQILSMIEEIA

ASKGRYTAIGYKG..KIEERTMEVKQILSMIEEIA

ASKGRYTAIGYKG..KIEERTMEVKQILSMIEEIA

ASKGRYTAIGYKG..KIEERTMEVKQILSMIEEIA

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XP 022296317.1 GTPase IMAP family member 4-like Crassostrea virginica	S.KRSSK <mark>YY</mark> SEDM <mark>Y</mark> RQ <mark>A</mark> KN	QIRRE <mark>E</mark> IRR 227
XP 022296317.1 GTPase IMAP family member 4-like Crassostrea virginica XP 022302183.1 GTPase IMAP family member 4-like Crassostrea virginica XP 022303805.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica XP 022303806.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica XP 022304626.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica XP 022304627.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica XP 022304628.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica XP 022307700.1 GTPase IMAP family member 4-like Crassostrea virginica XP 022397635.1 GTPase IMAP family member 4-like Crassostrea virginica XP 022397646.1 GTPase IMAP family member 4-like Crassostrea virginica XP 022391746.1 GTPase IMAP family member 4-like Crassostrea virginica	S.KRSSK <mark>YY</mark> SEDM <mark>Y</mark> RQ <mark>A</mark> KN	QIRREEIRR 227
XP 022303805.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica	A.K <mark>NDGKCYTNEMY</mark> IE <mark>AEK</mark>	YIRKL <mark>E</mark> AQR 287
XP 022303806.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica	A.K <mark>N</mark> DGKC <mark>YTN</mark> EMYIEAEK	YIRKL <mark>E</mark> AQR 287
XP 022304626.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica	A.K <mark>N</mark> DGKC <mark>YTN</mark> EMYIEAEK	YIRKLEAQR 260
XP 022304627.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica	A.K <mark>N</mark> DGKC <mark>YTNEM</mark> YIE <mark>AEK</mark>	YIRKL <mark>E</mark> AQR 241
XP 022304628.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica	A.K <mark>NDGKCYTNEMY</mark> IEAEK	YIRKL <mark>E</mark> AQR 235
XP 022307700.1 GTPase IMAP family member 4-like Crassostrea virginica	R.K <mark>N</mark> DGK <mark>YY</mark> TNEMFIEE <mark>E</mark> T	HIRNL <mark>E</mark> AQR 325
XP 022335699.1 GTPase IMAP family member 4-like Crassostrea virginica	A.N <mark>N</mark> FNEC <mark>YTN</mark> DAFKR <mark>AE</mark> E	EIQKQ <mark>I</mark> QKE 233
XP 022297635.1 GTPase IMAP family member 4-like Crassostrea virginica	V.K <mark>N</mark> MKA <mark>YY</mark> TNDL <mark>Y</mark> EK <mark>AE</mark> R	EILKEEMKR 232
XP 022291746.1 GTPase IMAP family member 4-like Crassostrea virginica	L.IIII GLOI I GLII I III LL	EIQKIDTEK 449
XP 022299405.1 GTPase IMAP family member 7-like isoform X1 Crassostrea virginica	K.A <mark>NGGEYYTNRMYIEAEK</mark>	DMRKREEER 360
XP 022299409.1 GTPase IMAP family member 7-like isoform X4 Crassostrea virginica	K.A <mark>NG</mark> GE <mark>YY</mark> TNRMYIEAEK	DMRKR <mark>E</mark> EER 358
XP 022299416.1 GTPase IMAP family member 7-like isoform X8 Crassostrea virginica	K.ANGGEYYTNRMYIEAEK	DMRKREEER 347
XP 022299418.1 GTPase IMAP family member 7-like isoform X9 Crassostrea virginica	K.A <mark>NGGEYYTNRM</mark> YIEAEK	DMRKR <mark>E</mark> EER 346
XP 022299408.1 GTPase IMAP family member 7-like isoform X3 Crassostrea virginica	K.ANGGEYYTNRMYIEAEK	DMRKR <mark>E</mark> EER 358
XP 022299407.1 GTPase IMAP family member 7-like isoform X2 Crassostrea virginica	K.ANGGEYYTNRMYIEAEK	DMRKR <mark>E</mark> EER 359
XP 022299410.1 GTPase IMAP family member 7-like isoform X5 Crassostrea virginica	K.A <mark>NG</mark> GEYYTNRMYIEAEK	DMRKR <mark>E</mark> EER 357
XP 022299411.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	K.ANGGEYYTNRMYIEAEK	DMRKR <mark>E</mark> EER 349
XP 022299412.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	K.A <mark>NGGEYYTNRM</mark> YIEAEK	DMRKR <mark>E</mark> EER 349
XP 022299413.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	K.ANGGEYYTNRMYIEAEK	DMRKREEER 349
XP 022299414.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	K.A <mark>NG</mark> GE <mark>YY</mark> TNRMYIEAEK	DMRKR <mark>E</mark> EER 349
XP 022299415.1 GTPase IMAP family member 7-like isoform X7 Crassostrea virginica	K.ANGGEYYTNRMYIEAEK	DMRKR <mark>E</mark> EER 348
XP 022291053.1 GTPase IMAP family member 4-like Crassostrea virginica	E.QNGYDYYTDEMYQEAERKIQEIEN	EMKKRDEEQ 330
XP 022304158.1 GTPase IMAP family member 7-like Crassostrea virginica	A.K <mark>NG</mark> GRW <mark>Y</mark> TDQMFKE <mark>AE</mark> E	DIKKM <mark>E</mark> EKK 334
XP 022304950.1 GTPase IMAP family member 7-like Crassostrea virginica	Q.NNGDECYRDPIFMKAEK	CIQEMENEK 280
XP 022310198.1 GTPase IMAP family member 4-like Crassostrea virginica	K.N <mark>NRGECYTN</mark> DMYKKAER	EINKI <mark>E</mark> SMK 329
XP 022296314.1 GTPase IMAP family member 4-like Crassostrea virginica	Q.E <mark>NG</mark> GEFYKNELYVEAEM	KIQTV <mark>E</mark> EKK 221
XP 022301668.1 GTPase IMAP family member 4-like Crassostrea virginica	R.E <mark>NG</mark> GEF <mark>YKN</mark> EL <mark>YVEAE</mark> M	KIQTV <mark>E</mark> EEK 221
XP 022301131.1 GTPase IMAP family member 4-like Crassostrea virginica	K.R <mark>IG</mark> DDFYTNDMYIEAEK	KILQV <mark>E</mark> EEK 237
XP 022301812.1 GTPase IMAP family member 4-like Crassostrea virginica	K.RIGDNFYTNDMYTEAEK	KILLV <mark>E</mark> EEK 217
XP 022301132.1 GTPase IMAP family member 4-like Crassostrea virginica	K.RH <mark>G</mark> DDFYTNDMYIEAEN	KIQLI <mark>E</mark> KEK 217
XP 022301145.1 GTPase IMAP family member 4-like Crassostrea virginica	K.RIGDNFYTNDMYIEAEK	KILLVEEEK 217
XP 022301588.1 GTPase IMAP family member 4-like Crassostrea virginica	S.E <mark>NG</mark> GRFYTNEKYNTAEQ	KIKAI <mark>E</mark> EKR 237
XP 022301589.1 GTPase IMAP family member 4-like Crassostrea virginica	S.ENGGRFYTNEKYNTAEQ	KIKAI E EKR 237
XP 022301590.1 GTPase IMAP family member 7-like Crassostrea virginica	S.E <mark>NG</mark> GKFYTNEMYITAER	EIKAI <mark>E</mark> EKR 235
XP 022296665.1 GTPase IMAP family member 4-like Crassostrea virginica	S.N <mark>NH</mark> GDC <mark>YTN</mark> DV <mark>Y</mark> SEAEK	VMKQR <mark>Q</mark> YQI 294
XP 022296700.1 GTPase IMAP family member 4-like Crassostrea virginica	S.N <mark>N</mark> HGDCYTNDMYSEAEK	VMKQRQYQI 294
XP 022295827.1 GTPase IMAP family member 4-like Crassostrea virginica	S.N <mark>N</mark> HGDC <mark>YTN</mark> DM <mark>Y</mark> SE <mark>AEK</mark>	VMKQRQYQI 294
XP 022301840.1 GTPase IMAP family member 4-like Crassostrea virginica	C.NNHGGHYTYNMYREAKK	VMKHRKYQE 237
XP 022300528.1 LOW QUALITY PROTEIN: GTPase IMAP family member 4-like Crassostrea virginica	R.Q <mark>N</mark> NGRF <mark>Y</mark> T <mark>N</mark> EM <mark>Y</mark> AE <mark>AEK</mark>	VMKHRQYQI 259
XP 022301840.1 GTPase IMAP family member 4-like Crassostrea virginica XP 022300528.1 LOW QUALITY PROTEIN: GTPase IMAP family member 4-like Crassostrea virginica XP 022298533.1 GTPase IMAP family member 4-like, partial Crassostrea virginica XP 022297620.1 GTPase IMAP family member 7-like isoform X3 Crassostrea virginica XP 022302920.1 GTPase IMAP family member 4-like Crassostrea virginica XP 022300251.1 GTPase IMAP family member 7-like Crassostrea virginica	E.LEI.ECIQKEDNRHSHR	HERERQRER 213
XP 022297620.1 GTPase IMAP family member 7-like isoform X3 Crassostrea virginica	D.QNNGKFYTNKMYTEAEK	IMKQR <mark>E</mark> DQI 435
XP 022302920.1 GTPase IMAP family member 4-like Crassostrea virginica	Y.EKDGS <mark>YY</mark> TNNM <mark>Y</mark> IK <mark>GEE</mark>	VMKTR <mark>E</mark> QEI 216
XP 022300251.1 GTPase IMAP family member 7-like Crassostrea virginica XP 022287294.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica XP 022287295.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica	KENGNIS <mark>YFT</mark> NTLYTEAEK	LMKKR <mark>E</mark> EEI 223
XP 022287294.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica	G.PH <mark>G</mark> DK <mark>YY</mark> S <mark>NEYFKE<mark>IEK</mark></mark>	CMEEM <mark>E</mark> KK. 222
XP 022287295.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica	G.PHGDKYYSNEYFKEIEK	CMEEM <mark>E</mark> KK. 222
VD 0000004E0 1 CTD TMAD family manker 4 like Conservation simple		TTEEEDDDO OCO

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G.RDGSNYYSNKVFQNVEK....LLEEEDRRQ
G.KDGSNYYSNKIFQNVEK....LLQEEDRKQ
G.KDGNNYYSNKIFQEVEK...ILKEEERKK
G.EDGKNYYSNEVFRRVQE...DLEEIERKR

G.EDGKNYYSNEVFRRVQE.....DLEEIERKR

G.KDGKNYYSNEVFQRVQK.....VMEENERK. G.KDGKNYYSNEVFQRVQK.....VMEENERK.

G.KDGKNYYSNEVFQRVQK....VMEENERK. G.KDGKNYYSNEVFQRVQK....VMEENERK.

G.KDGKNYYSNEVFQRVQK.....VMEENERK.

G.KDGKNYYSNEVFQRVQK.....VMEENERK.

XP 022295273.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022295274.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022295275.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295276.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295277.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295278.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295279.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295280.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica

XP 022292452.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022292453.1 GTPase IMAP family member 4-like Crassostrea virginica XP 022291927.1 GTPase IMAP family member 4-like Crassostrea virginica logo

XP 022296317.1 GTPase IMAP family member 4-like Crassostrea virginica XP 022302183.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022295277.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295278.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295279.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica XP 022295280.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica

AP 022302183.1 GIPase IMAP Tamily member 4-like Crassostrea Virginica	NKEEQEKI <u>K</u> S 237
XP 022303805.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica	
XP 022303806.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica	KQMKREKK <mark>E</mark> Q 297
XP 022304626.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica	KQMKREKL <mark>E</mark> Q 270
XP 022304627.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica	KQMKREKL <mark>E</mark> Q 251
XP 022304628.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica	
XP 022307700.1 GTPase IMAP family member 4-like Crassostrea virginica	KQIKREKT <mark>E</mark> Q 335
XP 022335699.1 GTPase IMAP family member 4-like Crassostrea virginica	VECTORED O40
XP 022297635.1 GTPase IMAP family member 4-like Crassostrea virginica	KEQIQKELDR 242
XP 022291746.1 GTPase IMAP family member 4-like Crassostrea virginica	TKQKEEKRIK 459
XP 022299405.1 GTPase IMAP family member 7-like isoform X1 Crassostrea virginica	LQAAIQQQ <mark>E</mark> K 370
XP 022299409.1 GTPase IMAP family member 7-like isoform X4 Crassostrea virginica	LQAAIQQQ <mark>E</mark> K 368
XP 022299416.1 GTPase IMAP family member 7-like isoform X8 Crassostrea virginica	LQAAIQQQ <mark>E</mark> K 357
XP 022299418.1 GTPase IMAP family member 7-like isoform X9 Crassostrea virginica	LQAAIQQQ <mark>E</mark> K 356
XP 022299408.1 GTPase IMAP family member 7-like isoform X3 Crassostrea virginica	LQAAIQQQ <mark>E</mark> K 368
XP 022299407.1 GTPase IMAP family member 7-like isoform X2 Crassostrea virginica	LQAAIQQQ <mark>E</mark> K 369
XP 022299410.1 GTPase IMAP family member 7-like isoform X5 Crassostrea virginica	LQAAIQQQ <mark>E</mark> K 367
XP 022299411.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	LQAAIQQQ <mark>E</mark> K 359
XP 022299412.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	LQAAIQQQEK 359
XP 022299413.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	LQAAIQQQ <mark>E</mark> K 359
	LQAAIQQQEK 359
XP 022299414.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	
XP 022299415.1 GTPase IMAP family member 7-like isoform X7 Crassostrea virginica	
XP 022291053.1 GTPase IMAP family member 4-like Crassostrea virginica	RIKEMQEIEKRLEK 344
XP 022304158.1 GTPase IMAP family member 7-like Crassostrea virginica	MKETEEKRKE 344
XP 022304950.1 GTPase IMAP family member 7-like Crassostrea virginica	MSEMEEVEMR 290
XP 022310198.1 GTPase IMAP family member 4-like Crassostrea virginica	
XP 022296314.1 GTPase IMAP family member 4-like Crassostrea virginica	VQNEKEKL <mark>E</mark> E 231
XP 022301668.1 GTPase IMAP family member 4-like Crassostrea virginica	VQNEKEKL <mark>E</mark> E 231
XP 022301131.1 GTPase IMAP family member 4-like Crassostrea virginica	VQHEKEKL <mark>E</mark> E 247
XP 022301812.1 GTPase IMAP family member 4-like Crassostrea virginica	LQHEREKL E E 227
XP 022301132.1 GTPase IMAP family member 4-like Crassostrea virginica	LQPEKEKVDE 227
XP 022301145.1 GTPase IMAP family member 4-like Crassostrea virginica	LQHEKEKL <mark>E</mark> E 227
XP 022301588.1 GTPase IMAP family member 4-like Crassostrea virginica	FREVEEKLVE 247
XP 022301589.1 GTPase IMAP family member 4-like Crassostrea virginica	FREVEEKLVE 247
XP 022301590.1 GTPase IMAP family member 7-like Crassostrea virginica	FREVEEKLVV 245
XP 022296665.1 GTPase IMAP family member 4-like Crassostrea virginica	EKERERNRER 304
XP 022296700.1 GTPase IMAP family member 4-like Crassostrea virginica	EKERERKRER 304
XP 022295827.1 GTPase IMAP family member 4-like Crassostrea virginica	EKDRERKRER 304
XP 022301840.1 GTPase IMAP family member 4-like Crassostrea virginica	EKARNRERER 247
XP 022300528.1 LOW QUALITY PROTEIN: GTPase IMAP family member 4-like Crassostrea virginica	ERDRERKRER 269
XP 022298533.1 GTPase IMAP family member 4-like, partial Crassostrea virginica	ERERERER 223
XP 02229633.1 GTPase IMAP family member 4-like, partial classostrea virginica XP 022297620.1 GTPase IMAP family member 7-like isoform X3 Crassostrea virginica	EKERNEKCKQ 445
V	CPP WACATURAL
XP 022302920.1 GTPase IMAP family member 4-like Crassostrea virginica	VKKRREKREQ 226
XP 022300251.1 GTPase IMAP family member 7-like Crassostrea virginica	MLDQRKKENE 233
XP 022287294.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica	QMRESRNQIRDT 234
XP 022287295.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica	QMRESRNQIRDT 234
XP 022292452.1 GTPase IMAP family member 4-like Crassostrea virginica	SEETKEKRKRRLYTDE 279
XP 022292453.1 GTPase IMAP family member 4-like Crassostrea virginica	REKIKEEQKGRRYTDE 279
XP 022291927.1 GTPase IMAP family member 4-like Crassostrea virginica	TEEIKKKFKEKRFSDE 264
XP 022295273.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica	IKKIEEENREKKYTLS 284
XP 022295274.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica	IKKIEEENREKKYTLS 284
XP 022295275.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica	KEKNREKMYTES 279
XP 022295276.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica	KEKNREKMYT <mark>E</mark> S 279
VD 00000E077 1 CTD-cs IMAD family member 4 libs insferre VO Consequence minimize	VEVNDERMYTEC 070

.....KEKNREKMYTES

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....KEKNREKMYTES

.....KEKNREKMYT<mark>E</mark>S

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XP 022295273.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022295274.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022295275.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295276.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295277.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295278.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295279.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295280.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica

XP 022302183.1 GTPase IMAP family member 4-like Crassostrea virginica	VIEKHQKELQEMKISEAKVKASNETREEYEKRLQK	272
XP 022303805.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica	EYKKIKEEIEQKYLKAIQAGDEKLKEVQNKLDQMH	332
XP 022303806.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica	EYKKIKEEIEQKYLKAIQAGDEKLKEVQNKLDQMH	332
XP 022304626.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica	AYKKIKEEIEQKYLKAIQAGDEKLKKVQNKLDQMH	305
XP 022304627.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica	AYKKIKEEIEQKYLKAIQAGDEKLKKVQNKLDQMH	286
XP 022304628.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica	AYKKIKEEIEQKYLKAIQAGDEKLKKVQNKLDQMH	280
XP 022307700.1 GTPase IMAP family member 4-like Crassostrea virginica	ENKKIKDEKEQKYLEDIEAGDEKLKEVQSELDQMH	370
XP 022335699.1 GTPase IMAP family member 4-like Crassostrea virginica	ELQKLKEEILEKNQGT.	259
XP 022297635.1 GTPase IMAP family member 4-like Crassostrea virginica	KVRELEEKVRRENKGN.	258
XP 022291746.1 GTPase IMAP family member 4-like Crassostrea virginica	EMKEIEAKEAEKIR	473
XP 022299405.1 GTPase IMAP family member 7-like isoform X1 Crassostrea virginica	MFKERYQEELNKMK	384
XP 022299409.1 GTPase IMAP family member 7-like isoform X4 Crassostrea virginica	MFKERYQEELNKMK	382
XP 022299416.1 GTPase IMAP family member 7-like isoform X8 Crassostrea virginica	MFKERYQEELNKMK	371
XP 022299418.1 GTPase IMAP family member 7-like isoform X9 Crassostrea virginica	MFKERYQEELNKMK	370
XP 022299408.1 GTPase IMAP family member 7-like isoform X3 Crassostrea virginica	MFKERYQEELNKMK	382
XP 022299407.1 GTPase IMAP family member 7-like isoform X2 Crassostrea virginica	MFKERYQEELNKMK	383
XP 022299410.1 GTPase IMAP family member 7-like isoform X5 Crassostrea virginica	MFKERYQEELNKMK	381
XP 022299411.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	MFKERYQEELNKMK	373
XP 022299412.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	MFKERYQEELNKMK	373
XP 022299413.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	MFKERYQEELNKMK	373
XP 022299414.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	MFKERYQEELNKMK	373
XP 022299415.1 GTPase IMAP family member 7-like isoform X7 Crassostrea virginica	MFKERYQEELNKMK	372
XP 022291053.1 GTPase IMAP family member 4-like Crassostrea virginica	KYKEKLQQEIDKINSLT	361
XP 022304158.1 GTPase IMAP family member 7-like Crassostrea virginica	ELKAIEERIEGKYSRISEIEKTKLMQVQNELENLH	379
XP 022304950.1 GTPase IMAP family member 7-like Crassostrea virginica	ERDEERKQKIKLAKNANETN	310
XP 022310198.1 GTPase IMAP family member 4-like Crassostrea virginica	EFQIIQEKIVEKYQQKADKEREKLERIRDQIREQL	374
XP 022296314.1 GTPase IMAP family member 4-like Crassostrea virginica	EFKHSERQNDQKVEKVQSHL	251
XP 022301668.1 GTPase IMAP family member 4-like Crassostrea virginica	EFKHSERQNDQKVEKVQNHL	251
XP 022301131.1 GTPase IMAP family member 4-like Crassostrea virginica	ELKRFDQKHEQAIGGINDQV	267
XP 022301812.1 GTPase IMAP family member 4-like Crassostrea virginica	ELKRFDQKHEEAIVGLNDEV	247
XP 022301132.1 GTPase IMAP family member 4-like Crassostrea virginica	ELRRFDQKHEEKVGGLNDQL	247
XP 022301145.1 GTPase IMAP family member 4-like Crassostrea virginica	DLKRFDQKHEQAIEGINDEV	247
XP 022301588.1 GTPase IMAP family member 4-like Crassostrea virginica	DFLTSIRETKQGVKKLATHF	267
XP 022301589.1 GTPase IMAP family member 4-like Crassostrea virginica	DFLTSIRETKQGVKKLATHF	267
XP 022301590.1 GTPase IMAP family member 7-like Crassostrea virginica	DFLTSIKETKQDVKKLATQF	265
XP 022296665.1 GTPase IMAP family member 4-like Crassostrea virginica	ERKAMKREIEEKYRSESRSHYKKESELETRVAELE	339
XP 022296700.1 GTPase IMAP family member 4-like Crassostrea virginica	ERKAMKREIEEKYRSESRSHYKRESELETRVAELE	339
XP 022295827.1 GTPase IMAP family member 4-like Crassostrea virginica	ERKAMEREIEEKYRSESRSHYKRESELETRVAELE	339
XP 022301840.1 GTPase IMAP family member 4-like Crassostrea virginica	ERKAMEREIEQKYKKQSRSNQKKEQS	273
XP 022300528.1 LOW QUALITY PROTEIN: GTPase IMAP family member 4-like Crassostrea virginica	ERNAIEREFEQKFRSQRESHLDIQSALEIRVAELE	304
XP 022298533.1 GTPase IMAP family member 4-like, partial Crassostrea virginica	ERERERERRERERERERERQRETFHSVVFIFQ	255
XP 022297620.1 GTPase IMAP family member 7-like isoform X3 Crassostrea virginica	DKEKNNCELGVSGQKCSDQELEEESDHHEYEANNI	480
XP 022302920.1 GTPase IMAP family member 4-like Crassostrea virginica	NKEKNERELRGSRQRCSDKEFEEEH	251
XP 022300251.1 GTPase IMAP family member 7-like Crassostrea virginica	LSVLRIREEHIEKDRKLKAWRMRDIERRLLELESQ	268
XP 022287294.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica	YNDDVRDSTRRRIADEESFGEKIL	258
XP 022287295.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica	YNDDVRDSTRRRIADEESFGEKIL	258
XP 022292452.1 GTPase IMAP family member 4-like Crassostrea virginica	EMMNFVDHARAKTREEVFNENFRLIMKVVATVI	312
XP 022292453.1 GTPase IMAP family member 4-like Crassostrea virginica	EMMNLYNFPRAKTRKEIF	297
XP 022291927.1 GTPase IMAP family member 4-like Crassostrea virginica	EMIKIVIEARTNIREEVLNEDFRLIMKVTIAVL	297
		0.4.5

EINALLQSARSESRVHIVN..NNYQ..EDLLTKIF

EINALLQSARSESRVHIVN..NNYQ..EDLLTKIF

EVNLLLHSARTQSRVDIVN..NNYN..TGLLSDLI

EVNLLLHSARTQSRVDIVN..NNYN..TGLLSDLI

EVNLLLHSARTQSRVDIVN..NNYN..TGLLSDLI

EVNLLLHSARTQSRVDIVN..NNYN..TGLLSDLI

EVNLLLHSARTQSRVDIVN..NNYN..TGLLSDLI

EVNLLLHSARTQSRVDIVN..NNYN..TGLLSDLI

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ΧP	022296317.1	GTPase IMAP	family member	4-like Crassostrea virginica	MQDEMKETQKASNSGGLVETALNWAVPGAGTFIGN	307
				4-like Crassostrea virginica	MQDEMKETQKASNSGGLVETALNWAVPGAGTFIGN	307
				4-like isoform X3 Crassostrea virginica	NQQEQERAVHLHKMNELLRQEEEKRILLKKEQDDK	367
				4-like isoform X3 Crassostrea virginica	NQQEQERAVHLHKMNELLRQEEEKRILLKKEQDDK	367
				4-like isoform X1 Crassostrea virginica	NQQEQERAAHLHKMEELMRQEEEKRILLKQEQDEK	340
				4-like isoform X2 Crassostrea virginica	NQQEQERAAHLHKMEELMRQEEEKRILLKQEQDEK	321
				4-like isoform X3 Crassostrea virginica	NQQEQERAAHLHKMEELMRQEEEKRILLKQEQDEK	315
				4-like Crassostrea virginica	IQLKKERNKNVPC	383
					I QLINALIUNIN VI O	259
				4-like Crassostrea virginica		
				4-like Crassostrea virginica		258
				4-like Crassostrea virginica		473
				7-like isoform X1 Crassostrea virginica		384
				7-like isoform X4 Crassostrea virginica		382
				7-like isoform X8 Crassostrea virginica		371
				7-like isoform X9 Crassostrea virginica		370
				7-like isoform X3 Crassostrea virginica		382
				7-like isoform X2 Crassostrea virginica		383
XР	022299410.1	GTPase IMAP	family member	7-like isoform X5 Crassostrea virginica		381
XР	022299411.1	GTPase IMAP	family member	7-like isoform X6 Crassostrea virginica		373
XР	022299412.1	GTPase IMAP	family member	7-like isoform X6 Crassostrea virginica		373
XР	022299413.1	GTPase IMAP	family member	7-like isoform X6 Crassostrea virginica		373
ΧP	022299414.1	GTPase IMAP	family member	7-like isoform X6 Crassostrea virginica		373
ΧP	022299415.1	GTPase IMAP	family member	7-like isoform X7 Crassostrea virginica		372
				4-like Crassostrea virginica	FELTELRKNQAEREYEVKNL.MKVVDAKEKQISEC	395
				7-like Crassostrea virginica	QSKREKEKEVEDLRKNFESF.KKQHEMSSGEERER	413
				7-like Crassostrea virginica		310
				4-like Crassostrea virginica	EKQKMNTDRIVALKNKIEKL.KHELKDSQSDTN	406
				4-like Crassostrea virginica	EVLNRKQNNETCQIGSLV	269
				4-like Crassostrea virginica	EVLNRKQNHETCHIGSLV	269
				4-like Crassostrea virginica	KELSRKQDQEEREIGALE	285
				S S S S S S S S S S S S S S S S S S S		265
				4-like Crassostrea virginica	KELSRKQDREEREIGSIE	
				4-like Crassostrea virginica	KELSRKQEREEREIGIIE	265
				4-like Crassostrea virginica	KELSRKLDREEHAIPDSDMR	267
				4-like Crassostrea virginica	EELGVTPKQKCKVNDDYDKVDKNVTEKFKGVNTLK	302
				4-like Crassostrea virginica	EELGVTPKQKCKVNDDYDKVDKNVTEKFKGVNTLK	302
				7-like Crassostrea virginica	EEFGQTPKQKEKEGDEFNKEEKSVTEKDRRVNTLK	300
				4-like Crassostrea virginica	SMRDHNGKRSSALEREVLELEDEIESERRQYGTPS	374
				4-like Crassostrea virginica	SMRDHNGKRSSALEREVHELEDEIESERRQYGAPS	374
				4-like Crassostrea virginica	SMRDHYAKRSSALEREVLELEDEIESERRQYGAPS	374
				4-like Crassostrea virginica		273
				e IMAP family member 4-like Crassostrea virginica	SLADTSKGK	313
XР	022298533.1	GTPase IMAP	family member	4-like, partial Crassostrea virginica	P	256
XР	022297620.1	GTPase IMAP	family member	7-like isoform X3 Crassostrea virginica	К	481
XР	022302920.1	GTPase IMAP	family member	4-like Crassostrea virginica		251
ΧP	022300251.1	GTPase IMAP	family member	7-like Crassostrea virginica	PKAAGDCVP	277
ΧP	022287294.1	GTPase IMAP	family member	4-like isoform X1 Crassostrea virginica	SVVGS	263
ΧP	022287295.1	GTPase IMAP	family member	4-like isoform X1 Crassostrea virginica	SVVGS	263
				4-like Crassostrea virginica	PLIASSI	319
				4-like Crassostrea virginica		297
				4-like Crassostrea virginica	PLISSIVGIYFNFDTI	313
				4-like isoform X1 Crassostrea virginica	STVGTV	321
				4-like isoform X1 Crassostrea virginica	STVGTV	321
				4-like isoform X2 Crassostrea virginica	STVASG	316
				4-like isoform X2 Crassostrea virginica	STVASG	316
				4-like isoform X2 Crassostrea virginica	STVASG	316
					STVASG	316
ΛΓ	022233210.1	GIFASE IMAP	ramirry member	4-like isoform X2 Crassostrea virginica	DIVADG	210

XP 022295279.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295280.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica

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XP 022296317.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022302183.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022303805.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica

XP 022295279.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295280.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica

XР	022303806.1	GTPase	IMAP	family	member	4-like	isoform X3 Crassostrea virginica	IHKLTQVHIENQNKIEQERAALKERMENVQQEQTD	402
ΧP	022304626.1	GTPase	IMAP	family	member	4-like	isoform X1 Crassostrea virginica	IHKLTQVHIENQNKMEQERAALIERMKNVQQEQTD	375
ΧP	022304627.1	GTPase	IMAP	family	member	4-like	isoform X2 Crassostrea virginica	IHKLTQVHIENQNKMEQERAALIERMKNVQQEQTD	356
ΧP	022304628.1	GTPase	IMAP	family	member	4-like	isoform X3 Crassostrea virginica	IHKLTQVHIENQNKMEQERAALIERMKNVQQEQTD	350
							Crassostrea virginica		383
							Crassostrea virginica	MEENYKKK	267
							Crassostrea virginica	IEMKRKN	265
							Crassostrea virginica	EEVRKQ	479
							isoform X1 Crassostrea virginica	ENNE	388
							isoform X4 Crassostrea virginica	ENNE	386
							isoform X8 Crassostrea virginica	ENNE	375
							isoform X9 Crassostrea virginica	ENNE	374
							<u> </u>	ENNE	386
							isoform X3 Crassostrea virginica		387
							isoform X2 Crassostrea virginica	ENNE	
							isoform X5 Crassostrea virginica	ENNE	385
							isoform X6 Crassostrea virginica	ENNE	377
							isoform X6 Crassostrea virginica	ENNE	377
							isoform X6 Crassostrea virginica	ENNE	377
							isoform X6 Crassostrea virginica	ENNE	377
XР	022299415.1	GTPase	IMAP	family	member	7-like	isoform X7 Crassostrea virginica	ENNE	376
ΧP	022291053.1	GTPase	IMAP	family	member	4-like	Crassostrea virginica	PGAENEEDMQTLDLLRNELAELKDATAK	423
ΧP	022304158.1	GTPase	IMAP	family	member	7-like	Crassostrea virginica	FQQTLDSLT	422
ΧP	022304950.1	GTPase	IMAP	family	member	7-like	Crassostrea virginica	DTISLD	316
ΧP	022310198.1	GTPase	IMAP	family	member	4-like	Crassostrea virginica	EHLDELR	413
ΧP	022296314.1	GTPase	IMAP	family	member	4-like	Crassostrea virginica	KKIEEYERKLRESTTTQRKEIKLNVDVMRGN	300
							Crassostrea virginica	KKIEEYERKLRESTTTQRKEIKLNVDVMRGN	300
							Crassostrea virginica	TIIEENESEMPACKSKQREEIDHELFVMRRN	316
							Crassostrea virginica	KIIEKNESKMPACKSTQRKEAEHELAVLRRR	296
							Crassostrea virginica	KNIEENQSKIPTCKSTQRKEIEHELAIMRRT	296
							Crassostrea virginica	LRIHESHPKDIDEAEAQAIRLETHRLADRQR	298
							Crassostrea virginica	NQFEMLKSKEEENEPAYSSIDEIKERKAEVTKRKA	337
							Crassostrea virginica	NQFEMLKSKEEENEPAYSSIDEIKERKAEVTKRKA	337
							Crassostrea virginica	NKFERLNSKKEENDPAYSSIDEIKKRKAETVKRKE	335
									409
							Crassostrea virginica	SRLLSKRKRLEEERSKLGSRKESEMEAEIEDLRNE	
							Crassostrea virginica	SRLLSKRKRLEEERSKLGSRKESEMEAEIEELRNE	409
							Crassostrea virginica	SRLLSKRKRLEEERSKLGSRKESEMEAEIDDLRNE	409
							Crassostrea virginica	TRANSTAR	273
							family member 4-like Crassostrea virginica	TDKKRLKP	321
							partial Crassostrea virginica		256
							isoform X3 Crassostrea virginica		481
							Crassostrea virginica		251
XР	022300251.1	GTPase	IMAP	family	member	7-like	Crassostrea virginica	RKSKLPSNRTSLSQRPSLERQVDFLHK	304
ΧP	022287294.1	GTPase	IMAP	family	member	4-like	isoform X1 Crassostrea virginica		263
							isoform X1 Crassostrea virginica		263
ΧP	022292452.1	GTPase	IMAP	family	member	4-like	Crassostrea virginica		319
							Crassostrea virginica		297
ΧP	022291927.1	GTPase	IMAP	family	member	4-like	Crassostrea virginica		313
							isoform X1 Crassostrea virginica		321
							isoform X1 Crassostrea virginica		321
							isoform X2 Crassostrea virginica		316
							isoform X2 Crassostrea virginica		316
							isoform X2 Crassostrea virginica		316
							isoform X2 Crassostrea virginica		316
177	022200210.1	211 026	TIIUI	- um y	mompet.	- TTVC	TROTOTH V5 OLUBBORGIOU ATTRIBUTE		010

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XP 022302183.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022295275.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295276.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295277.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295278.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295279.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295280.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica

ΧP	022303805.1	GTPase T	MAP fam	ilv member	4-like	isoform X3 Crassostrea virginica	KESKMQIIQKQLTELENKQKHAELKHKQDLETVKN	437
						isoform X3 Crassostrea virginica	KESKMQIIQKQLTELENKQKHAELKHKQDLETVKN	437
						isoform X1 Crassostrea virginica	KESKMQKIQKQLTELEKKQKHAELKHKQDLETVKN	410
						isoform X2 Crassostrea virginica	KESKMQKIQKQLTELEKKQKHAELKHKQDLETVKN	391
						isoform X3 Crassostrea virginica	KESKMQKIQKQLTELEKKQKHAELKHKQDLETVKN	385
						Crassostrea virginica		383
						Crassostrea virginica	KDEIQEKYEKKLT	280
						Crassostrea virginica	LKAEYEEKMR	275
						Crassostrea virginica	VREANYESVF	489
ΧP	022299405.1	GTPase I	MAP fam	ily member	7-like	isoform X1 Crassostrea virginica	QEIEK	393
ΧP	022299409.1	GTPase I	MAP fam	ily member	7-like	isoform X4 Crassostrea virginica	QEIEK	391
						isoform X8 Crassostrea virginica	QEIEK	380
						isoform X9 Crassostrea virginica	QEIEK	379
						isoform X3 Crassostrea virginica	QEIEK	391
						isoform X2 Crassostrea virginica	QEIEK	392
						isoform X5 Crassostrea virginica	QEIEK	390
								382
VL	022233411.1	GIFASE I	MAD fam	ily member	7-11ke	isoform X6 Crassostrea virginica	QEIEK	
						isoform X6 Crassostrea virginica	QEIEK	382
						isoform X6 Crassostrea virginica	QEIEK	382
						isoform X6 Crassostrea virginica	QEIEK	382
ΧP	022299415.1	GTPase I	MAP fam	ily member	7-like	isoform X7 Crassostrea virginica	QEIEK	381
ΧP	022291053.1	GTPase I	MAP fam	ily member	4-like	Crassostrea virginica	GERKIAEIEKAKNEAEE	440
						Crassostrea virginica	QTLTATIEAQNERTRKIEELQEAKDK.	448
						Crassostrea virginica	QVLKNELEK	325
						Crassostrea virginica		439
						Crassostrea virginica	LETCKETTSDRACEIEENK	319
						Crassostrea virginica	LETCKETTSDRAREIEENK	319
						Crassostrea virginica	LHTRREACIERKEEIEKKK	335
								315
						Crassostrea virginica	LGTHRNTFLERKGEIEKKT	
						Crassostrea virginica	LKTHREMVLKSGEEIEKKK	315
						Crassostrea virginica	CSNRPVRAINEKQPDQSSH	317
						Crassostrea virginica	TQENDFASLERRREKREPRVVETYDGKPL.	366
						Crassostrea virginica	TQENDFASLERRREKREPRVVETYDGKPL.	366
ΧP	022301590.1	GTPase I	MAP fam	ily member	7-like	Crassostrea virginica	AHQNEYALHECQGEEREARIDVYESTQR.	363
ΧP	022296665.1	GTPase I	MAP fam	ily member	4-like	Crassostrea virginica	LKRMNQKSKKISKEKDRMYE	429
ΧP	022296700.1	GTPase I	MAP fam	ily member	4-like	Crassostrea virginica	LKRMNQKSKKISKEKDRMYE	429
						Crassostrea virginica	LKRMNKKTKKISKEKDRMYE	429
						Crassostrea virginica		273
						family member 4-like Crassostrea virginica		321
						, partial Crassostrea virginica		256
						isoform X3 Crassostrea virginica		481
						Crassostrea virginica		251
						Crassostrea virginica	ELKKIKMTDLTLIEKQQEEI	324
						isoform X1 Crassostrea virginica		263
ΧP	022287295.1	GTPase I	MAP fam	ily member	4-like	isoform X1 Crassostrea virginica		263
ΧP	022292452.1	GTPase I	MAP fam	ily member	4-like	Crassostrea virginica		319
						Crassostrea virginica		297
						Crassostrea virginica		313
						isoform X1 Crassostrea virginica		321
						isoform X1 Crassostrea virginica		321
								~

ELEKS TO THE TOTAL TOTAL

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XP 022302183.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022303805.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica

XP 022303806.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica

XP 022295275.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295276.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295277.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295278.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295279.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295280.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica

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XP 022304626.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica	TGEQNITSMKEEYAKQIDKLNQTNTGLQKQFQDKG	445
XP 022304627.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica	TGEQNITSMKEEYAKQIDKLNQTNTGLQKQFQDKG	426
XP 022304628.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica	TGEQNITSMKEEYAKQIDKLNQTNTGLQKQFQDKG	420
XP 022307700.1 GTPase IMAP family member 4-like Crassostrea virginica		383
XP 022335699.1 GTPase IMAP family member 4-like Crassostrea virginica		280
XP 022297635.1 GTPase IMAP family member 4-like Crassostrea virginica		275
XP 022291746.1 GTPase IMAP family member 4-like Crassostrea virginica		489
XP 022299405.1 GTPase IMAP family member 7-like isoform X1 Crassostrea virginica		393
XP 022299409.1 GTPase IMAP family member 7-like isoform X4 Crassostrea virginica		391
XP 022299416.1 GTPase IMAP family member 7-like isoform X8 Crassostrea virginica		380
XP 022299418.1 GTPase IMAP family member 7-like isoform X9 Crassostrea virginica		379
XP 022299408.1 GTPase IMAP family member 7-like isoform X3 Crassostrea virginica		391
XP 022299407.1 GTPase IMAP family member 7-like isoform X2 Crassostrea virginica		392
XP 022299410.1 GTPase IMAP family member 7-like isoform X5 Crassostrea virginica		390
XP 022299411.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica		382
XP 022299412.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica		382
XP 022299413.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica		382
XP 022299414.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica		382
XP 022299415.1 GTPase IMAP family member 7-like isoform X7 Crassostrea virginica		381
XP 022291053.1 GTPase IMAP family member 4-like Crassostrea virginica		440
XP 022304158.1 GTPase IMAP family member 7-like Crassostrea virginica	SEE.IYE	454
XP 022304950.1 GTPase IMAP family member 7-like Crassostrea virginica		326
XP 022310198.1 GTPase IMAP family member 4-like Crassostrea virginica	SAERIKT	446
XP 022296314.1 GTPase IMAP family member 4-like Crassostrea virginica	RNILEIC	326
XP 022301668.1 GTPase IMAP family member 4-like Crassostrea virginica	RNIIEIC	326
XP 022301131.1 GTPase IMAP family member 4-like Crassostrea virginica		342
XP 022301812.1 GTPase IMAP family member 4-like Crassostrea virginica		322
XP 022301132.1 GTPase IMAP family member 4-like Crassostrea virginica		322
XP 022301145.1 GTPase IMAP family member 4-like Crassostrea virginica	SDTLNLI	324
XP 022301588.1 GTPase IMAP family member 4-like Crassostrea virginica	RDSLRLC	373
XP 022301589.1 GTPase IMAP family member 4-like Crassostrea virginica	RDSLRLC	373
XP 022301590.1 GTPase IMAP family member 7-like Crassostrea virginica		370
XP 022296665.1 GTPase IMAP family member 4-like Crassostrea virginica		430
XP 022296700.1 GTPase IMAP family member 4-like Crassostrea virginica		430
XP 022295827.1 GTPase IMAP family member 4-like Crassostrea virginica		430
XP 022301840.1 GTPase IMAP family member 4-like Crassostrea virginica		273
XP 022300528.1 LOW QUALITY PROTEIN: GTPase IMAP family member 4-like Crassostrea virginica		321
XP 022298533.1 GTPase IMAP family member 4-like, partial Crassostrea virginica		256
XP 022297620.1 GTPase IMAP family member 7-like isoform X3 Crassostrea virginica		481
XP 022302920.1 GTPase IMAP family member 4-like Crassostrea virginica		251
XP 022300251.1 GTPase IMAP family member 7-like Crassostrea virginica		325
XP 022287294.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica		263
XP 022287295.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica		263
XP 022292452.1 GTPase IMAP family member 4-like Crassostrea virginica		319
XP 022292453.1 GTPase IMAP family member 4-like Crassostrea virginica		297
XP 022291927.1 GTPase IMAP family member 4-like Crassostrea virginica		313
XP 022295273.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica		321
XP 022295274.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica		321
VP 0000007E 1 CTDags IMAD family member A like isoform VO Changestree virginia		216

TGEQNLTSMKEEYSKQIEKLNQTNTGLQKQFQDKG

TGEQNLTSMKEEYSKQIEKLNQTNTGLQKQFQDKG

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XP 022302183.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022307700.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022295827.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022301840.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022302920.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022300251.1 GTPase IMAP family member 7-like Crassostrea virginica

XP 022292452.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022292453.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022291927.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022298533.1 GTPase IMAP family member 4-like, partial Crassostrea virginica

XP 022297620.1 GTPase IMAP family member 7-like isoform X3 Crassostrea virginica

XP 022287294.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022287295.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022295273.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022295274.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022295275.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295276.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295277.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295278.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295279.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295280.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica

XP 022300528.1 LOW QUALITY PROTEIN: GTPase IMAP family member 4-like Crassostrea virginica

XP 022303805.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica

XP 022303806.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica

XP 022304626.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022304627.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022304628.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica

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XP 022335699.1 GTPase IMAP family member 4-like Crassostrea virginica	NVRDDIRKEYANAAIQMVSSVGSYVYNAV	309
XP 022297635.1 GTPase IMAP family member 4-like Crassostrea virginica	NVRDGIRGDISTMQLLRDFILGMLGGFLKKILPIP	310
XP 022291746.1 GTPase IMAP family member 4-like Crassostrea virginica	NVFNSLRGFFS	500
XP 022299405.1 GTPase IMAP family member 7-like isoform X1 Crassostrea virginica	KMEEFVKDQKAKMEEDIERMKR.ENRDISRDMV	425
XP 022299409.1 GTPase IMAP family member 7-like isoform X4 Crassostrea virginica	KMEEFVKDQKAKMEEDIERMKR.ENRDISRDMV	423
XP 022299416.1 GTPase IMAP family member 7-like isoform X8 Crassostrea virginica	KMEEFVKDQKAKMEEDIERMKR.ENRDISRDMV	412
XP 022299418.1 GTPase IMAP family member 7-like isoform X9 Crassostrea virginica	KMEEFVKDQKAKMEEDIERMKR.ENRDISRDMV	411
XP 022299408.1 GTPase IMAP family member 7-like isoform X3 Crassostrea virginica	KMEEFVKDQKAKMEEDIERMKR.ENRDISRDMV	423
XP 022299407.1 GTPase IMAP family member 7-like isoform X2 Crassostrea virginica	KMEEFVKDQKAKMEEDIERMKR.ENRDISRDMV	424
XP 022299410.1 GTPase IMAP family member 7-like isoform X5 Crassostrea virginica	KMEEFVKDQKAKMEEDIERMKR.ENRDISRDMV	422
XP 022299411.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	KMEEFVKDQKAKMEEDIERMKR.ENRDISRDMV	414
XP 022299412.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	KMEEFVKDQKAKMEEDIERMKR.ENRDISRDMV	414
XP 022299413.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	KMEEFVKDQKAKMEEDIERMKR.ENRDISRDMV	414
XP 022299414.1 GTPase IMAP family member 7-like isoform X6 Crassostrea virginica	KMEEFVKDQKAKMEEDIERMKR.ENRDISRDMV	414
XP 022299415.1 GTPase IMAP family member 7-like isoform X7 Crassostrea virginica	KMEEFVKDQKAKMEEDIERMKR.ENRDISRDMV	413
XP 022291053.1 GTPase IMAP family member 4-like Crassostrea virginica	KNAQIIEKQKQELEDTRREYDR.KQDDMYREEI	472
XP 022304158.1 GTPase IMAP family member 7-like Crassostrea virginica	EIRKIQLEERERAKLEYTKIEREKARDDVKEYI	487
XP 022304950.1 GTPase IMAP family member 7-like Crassostrea virginica	DVRAILGPGRSYSSFEKKKIRDNVRKDI	354
XP 022310198.1 GTPase IMAP family member 4-like Crassostrea virginica	KFHEMCDDEIDKAYEHYTEQQKAKYRDEIRKVF	479
XP 022296314.1 GTPase IMAP family member 4-like Crassostrea virginica	KIQKENRDRFKRELEEKLAVKRNLFRDEIRRDV	359
XP 022301668.1 GTPase IMAP family member 4-like Crassostrea virginica	KIQKENRDRFKRELEEKLAVKRNLVRDEIRKDV	359
XP 022301131.1 GTPase IMAP family member 4-like Crassostrea virginica	KIQHNEREKFKQQLEDELSFKRIEARENIRKEI	375
XP 022301812.1 GTPase IMAP family member 4-like Crassostrea virginica	KIKHNEREKFKQQLEGQLNLRRKEVRDDIRKAI	355
XP 022301132.1 GTPase IMAP family member 4-like Crassostrea virginica	KTQHDEREKFKHQLDGKLNLRREEVREDIRKEI	355
XP 022301145.1 GTPase IMAP family member 4-like Crassostrea virginica	RDEFSQPMGPTPIDRTRDKMVKSLVNTRKTRDSRI	359
XP 022301588.1 GTPase IMAP family member 4-like Crassostrea virginica	HLPGNQGEEIKRELEEKLRLEKGKVRDEIRKEI	406
XP 022301589.1 GTPase IMAP family member 4-like Crassostrea virginica	HLPGNQGEEIKRELEEKLRLEKGKVRDEIRKEI	406
XP 022301590.1 GTPase IMAP family member 7-like Crassostrea virginica	RLPGHHGEEIKRELEEKLRVEKGRVRDEIRREI	403
XP 022296665.1 GTPase IMAP family member 4-like Crassostrea virginica	RLEELDRKYSQLQTPRQEVRQEVESGSGNVGEALL	465
XP 022296700.1 GTPase IMAP family member 4-like Crassostrea virginica	RLEELDRKYSQLQTPRQEVRQEVESGSGNVGEALL	465

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TELENLKKIVETSKVEAEKQFHQDLKRENEKQNKA

TELENLKKIVETSKVEAEKQFHQDLKRENEKQNKA

TELENLKKIVEKSKLEAEKQFHQDLKRENEKQNKT

TELENLKKIVEKSKLEAEKQFHQDLKRENEKQNKT

TELENLKKIVEKSKLEAEKQFHQDLKRENEKQNKT

RLEELDRKYNQLQNPRYEVRQEVESGSGNVGEALL

.....FSARRQAIHELETNSGNITNALW

.....FSPRQQAIYELENNLGNITNSLW

KLKERLSKGYHRGNPRSMARKEVSKRNSSFSQMVS

......FVR

......NLVDSH

......SFENPY

.....YEAILHYVTCFIPTIIGIYLNFS

.....ILATGGFIT

.....ILATGGFIT

.....LYALGAFVV

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ΥD	022206317 1	CTDago	TMAD	family	mombor	1-1:lzo	Crassostrea virginica		310
							Crassostrea virginica		310
XР	022303805.1	GTPase	IMAP	family	member	4-like	isoform X3 Crassostrea virginica	EEKGTERNEIRQELAEDPSKIVRAFNAAGKAVSKA	542
ΧP	022303806.1	GTPase	IMAP	family	member	4-like	isoform X3 Crassostrea virginica	EEKGTERNEIRQELAEDPSKIVRAFNAAGKAVSKA	542
ΧP	022304626.1	GTPase	IMAP	family	member	4-like	isoform X1 Crassostrea virginica	EDKGTERNEIRQEIAEDPSKIVRAFNAAGKFVAEA	515
							isoform X2 Crassostrea virginica	EDKGTERNEIRQEIAEDPSKIVRAFNAAGKFVAEA	496
								· ·	
							isoform X3 Crassostrea virginica	EDKGTERNEIRQEIAEDPSKIVRAFNAAGKFVAEA	490
							Crassostrea virginica		383
XΡ	022335699.1	GTPase	IMAP	family	member	4-like	Crassostrea virginica	GSVYSYFTGAK	320
XΡ	022297635.1	GTPase	IMAP	family	member	4-like	Crassostrea virginica	VENKGNGKSAIHHPKITKKFQSKL	334
							Crassostrea virginica	SLYHDS	506
							isoform X1 Crassostrea virginica	EENGSSGLCVIL	437
							isoform X4 Crassostrea virginica	EENGSSGLCVIL	435
							isoform X8 Crassostrea virginica	EENGSSGLCVIL	424
XР	022299418.1	GTPase	IMAP	family	member	7-like	isoform X9 Crassostrea virginica	EENGSSGLCVIL	423
ΧP	022299408.1	GTPase	IMAP	family	member	7-like	isoform X3 Crassostrea virginica	EENGSSGLCVIL	435
XΡ	022299407.1	GTPase	IMAP	family	member	7-like	isoform X2 Crassostrea virginica	EENGSSGLCVIL	436
							isoform X5 Crassostrea virginica	EENGSSGLCVIL	434
							<u> </u>		426
							isoform X6 Crassostrea virginica	EENGSSGLCVIL	
							isoform X6 Crassostrea virginica	EENGSSGLCVIL	426
							isoform X6 Crassostrea virginica	EENGSSGLCVIL	426
ΧP	022299414.1	GTPase	IMAP	family	member	7-like	isoform X6 Crassostrea virginica	EENGSSGLCVIL	426
							isoform X7 Crassostrea virginica	EENGSSGLCVIL	425
							Crassostrea virginica	RHQIEMQMALPKQIWDTVKSVGGFLKSIFGR	503
							Crassostrea virginica	SENGFFSSLVDFGIKIGSKLLDLLLDSDDTPLP	520
							0		
							Crassostrea virginica	SNNGFCRLMQQCEI	368
XР	022310198.1	GTPase	IMAP	family	member	4-like	Crassostrea virginica	AFWPVEMLKQGIKKGIEFLSDIFSK	504
XΡ	022296314.1	GTPase	IMAP	family	member	4-like	Crassostrea virginica	EE.KEDSPP.TECTIL	373
							Crassostrea virginica	EE.KQDSPP.TECTIL	373
							Crassostrea virginica	EG.KPASKTWSECTVL	390
							Crassostrea virginica	EV.KGAYKKWSECTVL	370
							Crassostrea virginica	EA.KKPSKECIIL	367
							Crassostrea virginica	RGSRNDYLKMAQNSFIK	376
							Crassostrea virginica	EH.KRRSVSWNSCIIL	421
ΧP	022301589.1	GTPase	IMAP	family	member	4-like	Crassostrea virginica	EH.KRRSVSWNSCIIL	421
							Crassostrea virginica	EQ.KRRSMSCIIL	415
							Crassostrea virginica	GĞIMTIGKLIWKGIQMIF	483
							Crassostrea virginica	GGIMTIGKLIWKGIQMIF	483
							Crassostrea virginica	GGIMTIGKLIWKGIQMII	483
							Crassostrea virginica		273
XР	022300528.1	LOW QUA	ALITY	PROTEI	N: GTPas	se IMAP	family member 4-like Crassostrea virginica		321
XΡ	022298533.1	GTPase	IMAP	family	member	4-like	partial Crassostrea virginica		256
							isoform X3 Crassostrea virginica	DGLIALGKFYRDFSRLVLDRIY	526
							Crassostrea virginica	IAFKAF	280
							Crassostrea virginica	RGIIALGKHLLTGLLGLLLL	380
							isoform X1 Crassostrea virginica	LIAVKAAEFIMRHFVDV	283
							isoform X1 Crassostrea virginica	LIAVKAAEFIMRHFVDV	283
ΧP	022292452.1	GTPase	IMAP	family	member	4-like	Crassostrea virginica	TFFDSCIYLIKRFLGF	341
XΡ	022292453.1	GTPase	IMAP	family	member	4-like	Crassostrea virginica	TVFDAFISFIRRYIVF	319
							Crassostrea virginica	TIYDAILYYVTRLIEFFSALWVNLF	361
							isoform X1 Crassostrea virginica	RGIGAALSMVGGWFGF	346
							isoform X1 Crassostrea virginica	RGIGAALSMVGGWFGF	346
							isoform X2 Crassostrea virginica	GGAGALLSFVGGWFGF	341
							isoform X2 Crassostrea virginica	GGAGALLSFVGGWFGF	341
ΧP	022295277.1	GTPase	IMAP	family	member	4-like	isoform X2 Crassostrea virginica	GGAGALLSFVGGWFGF	341
ΧP	022295278.1	GTPase	IMAP	family	member	4-like	isoform X2 Crassostrea virginica	GGAGALLSFVGGWFGF	341

XP 022295279.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295280.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica

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GGAGALLSFVGGWFGF.....

GGAGALLSFVGGWFGF.....

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XP 022302183.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022300251.1 GTPase IMAP family member 7-like Crassostrea virginica

XP 022292452.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022292453.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022291927.1 GTPase IMAP family member 4-like Crassostrea virginica

XP 022287294.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022287295.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022295273.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022295274.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica

XP 022295275.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295276.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295277.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295278.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022295279.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica XP 022295280.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica

XP 022303805.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica

XP 022303806.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica

XP 022304626.1 GTPase IMAP family member 4-like isoform X1 Crassostrea virginica XP 022304627.1 GTPase IMAP family member 4-like isoform X2 Crassostrea virginica

XP 022304628.1 GTPase IMAP family member 4-like isoform X3 Crassostrea virginica

XP 022307700.1 GTPase IMAP family member 4-like Crassostrea virginica	 383
XP 022335699.1 GTPase IMAP family member 4-like Crassostrea virginica	 320
XP 022297635.1 GTPase IMAP family member 4-like Crassostrea virginica	 334
XP 022291746.1 GTPase IMAP family member 4-like Crassostrea virginica	 506
XP 022299405.1 GTPase IMAP family member 7-like isoform X1 Crassostrea virginica	 437
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