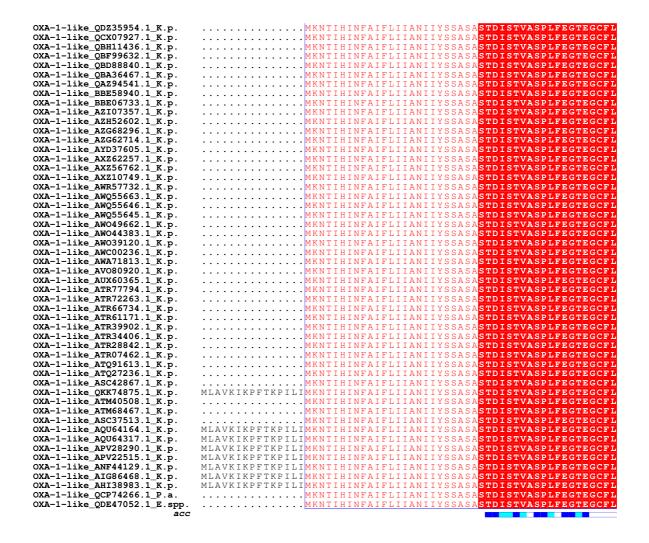
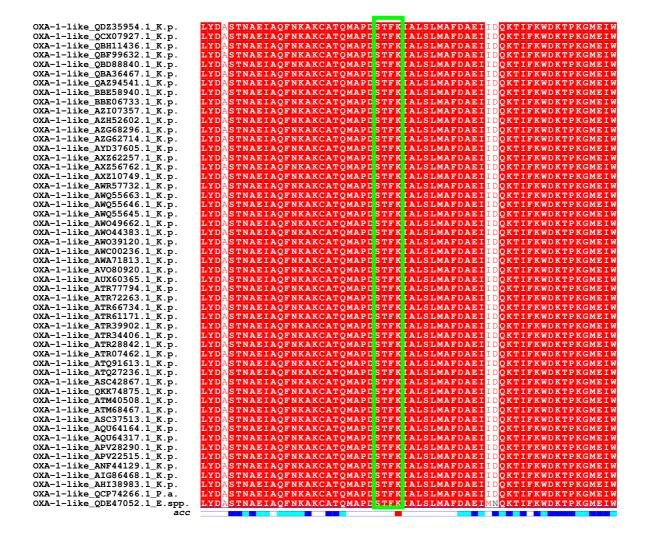
OXA-1-like_BBE55408.1_K.p.			α1 β1
OXA-1-like_BBE55408.1_K.p.	 i 10 MKNTTHINFATELTI	20 FANTTYSSASA	30★ 40★ STDISTVASPLFEGTEGCFL
1M6K_beta-lactamase_OXA-1 OXA-1-like_AVK27274.1_P.a.	 		STDISTVASPLFEGTEGCFL STDISTVASPLFEGTEGCFL
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OXA-1-like_QOC40829.1_K.p. OXA-1-like_QLF61683.1_K.p.	 MKNTIHINFAIFLII	IANIIYSSASA	STDISTVASPLFEGTEGCFL STDISTVASPLFEGTEGCFL
OXA-1-like_ANP63432.1_P.a. OXA-1-like_QII98525.1_P.a.			STDISTVASPLFEGTEGCFL STDISTVASPLFEGTEGCFL
OXA-1-like_AXL78701.1_P.a. OXA-1-like_QEL33624.1_E.spp.			STDISTVASPLFEGTEGCFL STDISTVASPLFEGTEGCFL
OXA-1-like_QCZ41047.1_E.spp. OXA-1-like_QPO60228.1_E.spp.	 MKNTIHINFAIFLII	IANIIYSSASA	STDISTVASPLFEGTEGCFL STDISTVASPLFEGTEGCFL
OXA-1-like_ATW95033.1_E.spp. OXA-1-like_QBB08468.1_E.spp.	 MKNTIHINFAIFLII	IANIIYSSASA	STDISTVASPLFEGTEGCFL STDISTVASPLFEGTEGCFL
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OXA-1-like_AWF45003.1_K.p. OXA-1-like_AWX26315.1_K.p.	 MKNTIHINFAIFLII	IANIIYSSASA	STDISTVASPLFEGTEGCFL STDISTVASPLFEGTEGCFL
OXA-1-like_BBE66685.1_K.p.	 MKNTIHINFAIFLII	[ANIIYSSASA	STDISTVASPLFEGTEGCFL STDISTVASPLFEGTEGCFL
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OXA-1-like_AVF14577.1_K.p. OXA-1-like_AWC05483.1_K.p.			STDISTVASPLFEGTEGCFL STDISTVASPLFEGTEGCFL
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OXA-1-like_ARZ96561.1_K.p.	 MKNTIHINFAIFLI	IANIIYSSASA	STDISTVASPLFEGTEGCFL
OXA-1-like_ASC31826.1_K.p. OXA-1-like_QIF55803.1_K.p.	 MKNTIHINFAIFLII	IANIIYSSASA	STDISTVASPLFEGTEGCFL STDISTVASPLFEGTEGCFL
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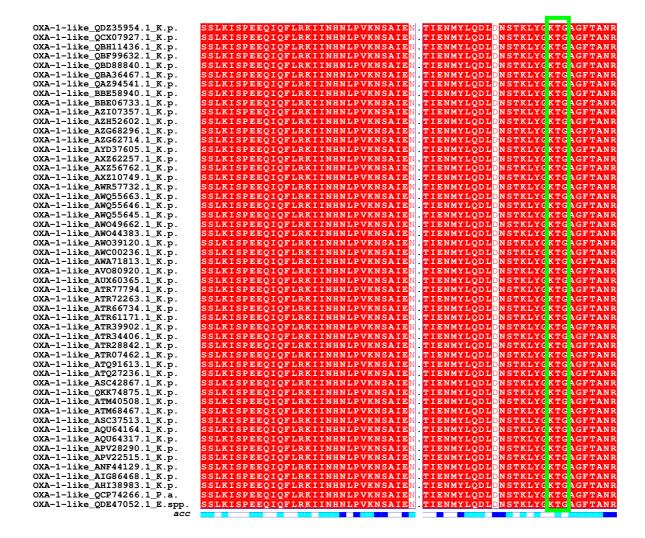
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OXA-1-like_BBE55408.1_K.p. 1M6K_beta-lactamase_OXA-1		60 EIAQFNKAKCAT EIAQFNKAKCAT					
OXA-1-like_AVK27274.1_P.a. OXA-1-like_AWE78522.1_P.a.	LYDVSTNA	E I A ÕF NKAKCAT E I A QF NKAKCAT	QMAPD STFK [	ALSLMAFDAE:	IDQK	TIFKWDK	TPKGMEIW
OXA-1-like_QLA55054.1_P.a. OXA-1-like_QKG33210.1_P.a.	LYDVSTNA	E I A OF NK A K C A T E I A OF NK A K C A T	QMAPDSTFK <mark>I</mark>	ALSLMAFDAE:	ID <mark>QK</mark> !	rifkwdk	TPKGMEIW
OXA-1-like_QOC40829.1_K.p. OXA-1-like_QLF61683.1_K.p.	LYDASTNA	E I A OFNKAKCAT E I A OFNKAKCAT	QMAPD STFK	ALSLMAFDAE:	ID <mark>QK</mark> !	TIFKWDK	TPKGMEIW
OXA-1-like_ANP63432.1_P.a. OXA-1-like_QII98525.1_P.a.		E I A Q F N K A K C A T E I A Q F N K A K C A T					
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OXA-1-like_QCZ41047.1_E.spp. OXA-1-like_QPO60228.1_E.spp.	LYDASTNA	E I A Q F N K A K C A T E I A Q F N K A K C A T	QMAPDSTFK <mark>I</mark>	ALSLMAFDAE:	ID <mark>QK</mark> !	TIFKWDK	TPKGMEIW
OXA-1-like_ATW95033.1_E.spp. OXA-1-like_QBB08468.1_E.spp.	LYDASTNA	E I A Q F N K A K C A T E I A Q F N K A K C A T	QMAPD STFK	ALSLMAFDAE:	ID <mark>QK</mark> !	TIFKWDK	TPKGMEIW
OXA-1-like_QFH57730.1_E.spp. OXA-1-like_QFI25362.1_E.spp.	LYDASTNA	E I A Q F N K A K C A T E I A Q F N K A K C A T	QMAPDSTFK <mark>I</mark>	ALSLMAFDAE:	ID <mark>QK</mark> !	TIFKWDK	TPKGMEIW
OXA-1-like_QHC80210.1_E.spp. OXA-1-like_QMT04262.1_E.spp.	LYDASTNA	E I AQFNKAKCAT E I AQFNKAKCAT	QMAPD STFK	ALSLMAFDAE:	ID <mark>QK</mark> !	TIFKWDK	TPKGMEIW
OXA-1-like_QPD73921.1_E.spp. OXA-1-like_QP069359.1_E.spp.	LYDASTNA	EIAQFNKAKCAT EIAQFNKAKCAT	QMAPDSTFK <mark>I</mark>	ALSLMAFDAE:	ID <mark>QK</mark> !	TIFKWDK	TPKGMEIW
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OXA-1-like_ASP02997.1_E.spp. OXA-1-like_AOF07832.1_K.p.	LYDASTNA	EIAQFNKAKCAT EIAQFNKAKCAT	QMAPD STFK	ALSLMAFDAE:	ID <mark>QK</mark> !	TIFKWDK	TPKGMEIW
OXA-1-like_APD44928.1_K.p. OXA-1-like_AWF45003.1_K.p. OXA-1-like_AWX26315.1_K.p.	LYDASTNA	EIAQFNKAKCAT EIAQFNKAKCAT EIAQFNKAKCAT	QMAPDSTFK <mark>I</mark>	ALSLMAFDAE:	ID <mark>QK</mark> !	TIFKWDK	TPKGMEIW
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OXA-1-11Ke_ARA45009.1_K.p. OXA-1-11ke_ART03029.1_K.p. OXA-1-11ke_ART14043.1_K.p.	LYDASTNA	E I A Q F N K A K C A T E I A Q F N K A K C A T	QMAPD STFK	ALSLMAFDAE:	ID <mark>QK</mark> !	TIFKWDK	TPKGMEIW
OXA-1-like_AT14043.1_K.p. OXA-1-like_AT008041.1_K.p. OXA-1-like_ATQ97012.1_K.p.	LYDASTNA	E I A Q F N K A K C A T E I A Q F N K A K C A T	QMAPDSTFK <mark>I</mark>	ALSLMAFDAE:	ID <mark>QK</mark> !	TIFKWDK	TPKGMEIW
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OXA-1-like_AUD36737.1_K.p. OXA-1-like_AVF14577.1_K.p.	LYD <mark>ASTNA</mark>	E I A Q F N K A K C A T E I A Q F N K A K C A T	QMAPD STFK	ALSLMAFDAE:	ID <mark>QK</mark> !	FIFKWDK	TPKGMEIW
OXA-1-like_AWC05483.1_K.p. OXA-1-like_QAZ99397.1_K.p.	LYDASTNA	E I A Q F N K A K C A T E I A Q F N K A K C A T	QMAPDSTFK <mark>I</mark>	ALSLMAFDAE:	ID <mark>QK</mark> !	TIFKWDK	TPKGMEIW
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OXA-1-like_QLF66737.1_K.p. OXA-1-like_QLG18431.1_K.p.	LYDASTNA	E I A ÕF NKAKCAT E I A QF NKAKCAT	QMAPD STFK	ALSLMAFDAE:	ID <mark>QK</mark> !	TIFKWDK	TPKGMEIW
OXA-1-like_AIT04829.1_K.p. OXA-1-like_AKE78741.1_K.p.	LYDASTNA	E I A QFNKAKCAT E I A QFNKAKCAT	QMAPDSTFK <mark>I</mark>	ALSLMAFDAE:	ID <mark>QK</mark> !	TIFKWDK	TPKGMEIW
OXA-1-like_ANK19483.1_K.p. OXA-1-like_AOF02731.1_K.p.	LYDASTNA	E I A OF NKAKCAT E I A OF NKAKCAT	QMAPDSTFK <mark>I</mark>	ALSLMAFDAE:	ID <mark>QK</mark> !	TIFKWDK	TPKGMEIW
OXA-1-like_APB53840.1_K.p. OXA-1-like_APM47234.1_K.p.	LYDASTNA	E IAQFNKAKCAT E IAQFNKAKCAT	QMAPD STFK	ALSLMAFDAE:	ID <mark>QK</mark> !	TIFKWDK	TPKGMEIW
OXA-1-like_APM56693.1_K.p. OXA-1-like_APM62285.1_K.p.	LYDASTNA LYDASTNA	E I A Q F N K A K C A T E I A Q F N K A K C A T	QMAPD STFK [ QMAPD STFK [	ALSLMAFDAE: ALSLMAFDAE:	ID <mark>QK</mark> ID <b>QK</b> :	TIFKWDK TIFKWDK	TPKGMEIW TPKGMEIW
OXA-1-like_APM67903.1_K.p. OXA-1-like_APP44482.1_K.p.		E I AQF NK AKCAT E I AQF NK AKCAT					
OXA-1-like_APQ29072.1_K.p. OXA-1-like_APR51020.1_K.p.	LYD <mark>ASTNA</mark>	E I A Q F N K A K C A T E I A Q F N K A K C A T	QMAPDSTFK	ALSLMAFDAE:	ID <mark>QK</mark> !	FIFKWDK	TPKGMEIW
OXA-1-like_ARM26101.1_K.p. OXA-1-like_ARM26250.1_K.p.	LYDASTNA	EIAQFNKAKCAT EIAQFNKAKCAT	QMAPD STFK [	ALSLMAFDAE:	IDQK	TIFKWDK	TPKGMEIW
OXA-1-like_ART14424.1_K.p. OXA-1-like_ARX22868.1_K.p.	LYDASTNA	E I A Q F N K A K C A T E I A Q F N K A K C A T	QMAPD STFK [	ALSLMAFDAE:	IDQK	PIFKWDK	TPKGMEIW
OXA-1-like_ARZ96561.1_K.p. OXA-1-like_ASC31826.1_K.p.	LYDASTNA	EIAQFNKAKCAT EIAQFNKAKCAT	QMAPDSTFK [	ALSLMAFDAE:	IDQK	FIFKWDK	TPKGMEIW
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OXA-1-like_VAX91792.1_K.p. OXA-1-like_VAX91482.1_K.p.	LYDASTNA	EIAQFNKAKCAT EIAQFNKAKCAT	QMAPD STFK [	ALSLMAFDAE:	ID <mark>QK</mark> !	TIFKWDK	TPKGMEIW
OXA-1-like_QQL36550.1_K.p. OXA-1-like_QPP73193.1_K.p.	LYDASTNA	EIAQFNKAKCAT EIAQFNKAKCAT EIAOFNKAKCAT	QMAPD STFK [	ALSLMAFDAE:	IDQK	TIFKWDK	TPKGMEIW
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OXA-1-like_QOU39182.1_K.p. OXA-1-like_QOT97178.1 K.p.	LYDASTNA	E I A Q F N K A K C A T E I A Q F N K A K C A T	QMAPD STFK [	ALSLMAFDAE:	IDQK	TIFKWDK	TPKGMEIW
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OXA-1-like_QNB32204.1_K.p. OXA-1-like_QMS74616.1_K.p.	LYDASTNA	E I A Q F N K A K C A T E I A Q F N K A K C A T	QMAPDSTFK <mark>I</mark>	ALSLMAFDAE:	ID <mark>QK</mark> !	TIFKWDK	TPKGMEIW
OXA-1-like_QLQ67472.1_K.p. OXA-1-like_QLI33436.1_K.p.	LYDASTNA LYDASTNA	E IAQFNKAKCAT E IAQFNKAKCAT	QMAPD STFK [ QMAPD STFK [	ALSLMAFDAE: ALSLMAFDAE:	ID <mark>QK</mark> '	TIFKWDK TIFKWDK	TPKGMEIW TPKGMEIW
OXA-1-like_QLI28063.1_K.p. OXA-1-like_QLI22583.1_K.p.	LYDASTNA	E I A Q F N K A K C A T E I A Q F N K A K C A T	QMAPDSTFK [	ALSLMAFDAE:	IDQK	PIFKWDK	TPKGMEIW
OXA-1-like_QLI17177.1_K.p. OXA-1-like_QLI11731.1_K.p.	LYDASTNA	E I A Q F N K A K C A T E I A Q F N K A K C A T	QMAPDSTFK [	ALSLMAFDAE:	IDQK	FIFKWDK	TPKGMEIW
OXA-1-like_QLC16052.1_K.p. OXA-1-like_QLC05373.1_K.p.	LYDASTNA	E I A Q F N K A K C A T E I A Q F N K A K C A T	QMAPDSTFK <mark>I</mark>	ALSLMAFDAE:	ID <mark>QK</mark> !	TIFKWDK	TPKGMEIW
OXA-1-like_QLC00088.1_K.p. OXA-1-like_QLB94808.1_K.p.	LYDASTNA	E I A Q F N K A K C A T E I A Q F N K A K C A T	QMAPD STFK [	ALSLMAFDAE:	IDQK'	TIFKWDK	TPKGMEIW
OXA-1-like_QLB89468.1_K.p. OXA-1-like_QLB84130.1_K.p.	LYDASTNA	E I AQFNKAKCAT E I AQFNKAKCAT	QMAPDSTFK [	ALSLMAFDAE:	IDQK	FIFKWDK	TPKGMEIW
OXA-1-like_QLB78789.1_K.p. OXA-1-like_QLB73465.1_K.p.	LYDASTNA	E I AQFNKAKCAT E I AQFNKAKCAT	QMAPD STFK [	ALSLMAFDAE:	IDQKI	PIFKWDK	TPKGMEIW
OXA-1-like_QIR58461.1_K.p. OXA-1-like_QHG08101.1_K.p.	LYDASTNA	EIAQFNKAKCAT EIAQFNKAKCAT	QMAPD STFK [	ALSLMAFDAE:	IDQK	PIFKWDK	TPKGMEIW
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OXA-1-like_QFH43884.1_K.p. OXA-1-like_QER51630.1_K.p. OXA-1-like_OFG84620.1_K.p.	LYDASTNA	EIAQFNKAKCAT EIAQFNKAKCAT EIAQFNKAKCAT	QMAPDSTFK [	ALSLMAFDAE	IDQK'	TIFKWDK	TPKGMEIW
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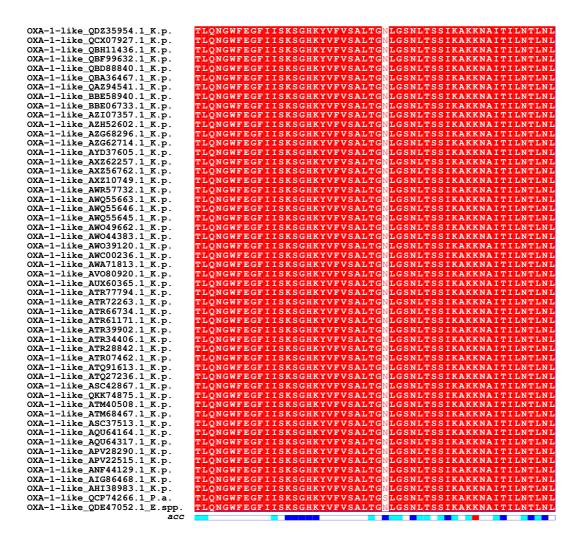
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OXA-1-like_BBE55408.1_K.p. 1M6K beta-lactamase OXA-1	NSNHTPKTWMQ	FSVVWVSQ	EITQKIGLNE	KIKNYLKDFE	YGN QDF SGDK	ERNNGLTEAWLE ERNNGLTEAWLE
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OXA-1-like_AWF45003.1_K.p. OXA-1-like_AWX26315.1_K.p.	NSNHTPKTWMQ	FSVVWVSQI	EITQKIGLNI	KIKNYLKDFI	YGNQDFSGDK	ERNNGLTEAWLE ERNNGLTEAWLE ERNNGLTEAWLE
OXA-1-like_BBE66685.1_K.p. OXA-1-like_ARA49869.1_K.p. OXA-1-like_ART03029.1_K.p.	NSNHTPKTWMQ	FSVVWVSQI	EITÕKIGLNI	KIKNYLKDFI	YGN ODFSGDK	ERNNGLTEAWLE ERNNGLTEAWLE ERNNGLTEAWLE
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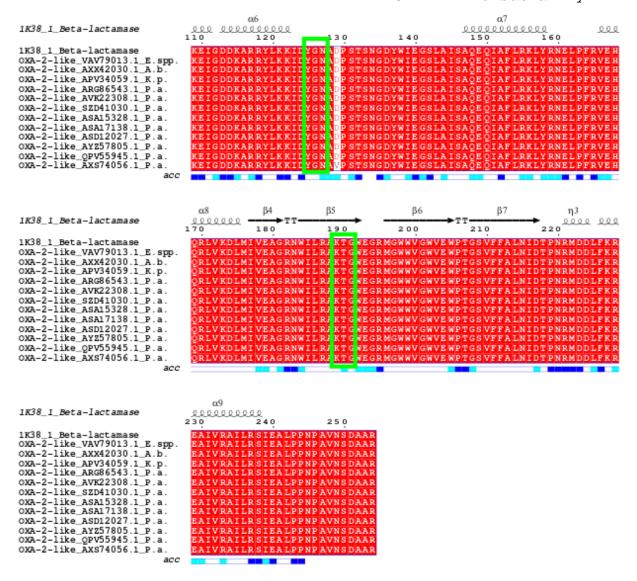
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OXA-1-like_QLG18431.1_K.p.	SSLKISPEEQIQFLRKIINHNI	LPVKNSAIE <mark>N TIE</mark> I	NMYLQDL <mark>D</mark> NSTKI	LYCKTG AGFTANR
OXA-1-like_AIT04829.1_K.p. OXA-1-like_AKE78741.1_K.p.	SSLKISPEEQIQFLRKIINHNI SSLKISPEEQIQFLRKIINHNI			
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OXA-1-like_APM56693.1_K.p.	SSLKISPEEQIQFLRKIINHNI	LPVKNSAIE <mark>N TIE</mark> I	NMYLQDL <mark>D</mark> NSTKI	LYCKTG AGFTANR
OXA-1-like_APM62285.1_K.p. OXA-1-like_APM67903.1_K.p.	SSLKISPEEQIQFLRKIINHNI SSLKISPEEQIQFLRKIINHNI	LPVKNSAIE <mark>N . TIE</mark> I	NMYLQDL <mark>D</mark> NSTKI	LYC <mark>KTG</mark> AGFTANR
OXA-1-like_APP44482.1_K.p. OXA-1-like_APQ29072.1_K.p.	SSLKISPEEQIQFLRKIINHNI SSLKISPEEQIQFLRKIINHNI			
OXA-1-like_APR51020.1_K.p. OXA-1-like_ARM26101.1_K.p.	SSLKISPEEQIQFLRKIINHNI SSLKISPEEQIQFLRKIINHNI	JPVKNSAIE <mark>N.</mark> TIEI	NMYLQDL <mark>D</mark> NSTKI	LYC <mark>KTGAGFTANR</mark>
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OXA-1-like_ART14424.1_K.p. OXA-1-like_ARX22868.1_K.p.	SSLKISPEEQIQFLRKIINHNI SSLKISPEEQIQFLRKIINHNI	PVKNSAIEN TIEI	NMYLQDL <mark>D</mark> NSTKI	LYCKTG AGFTANR
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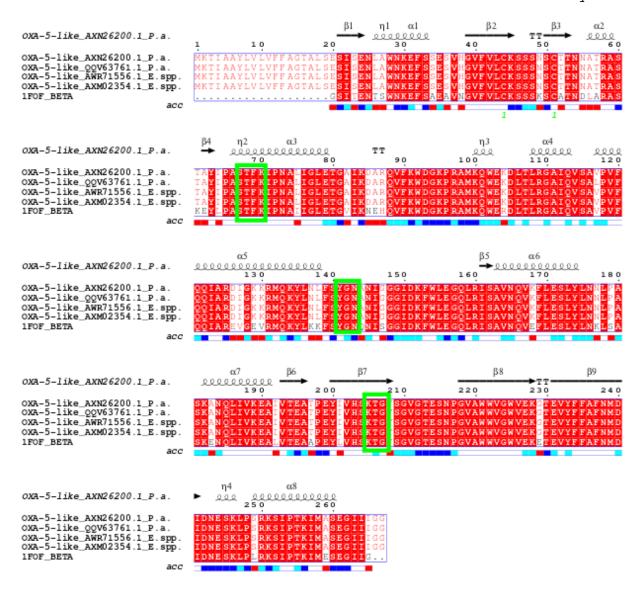


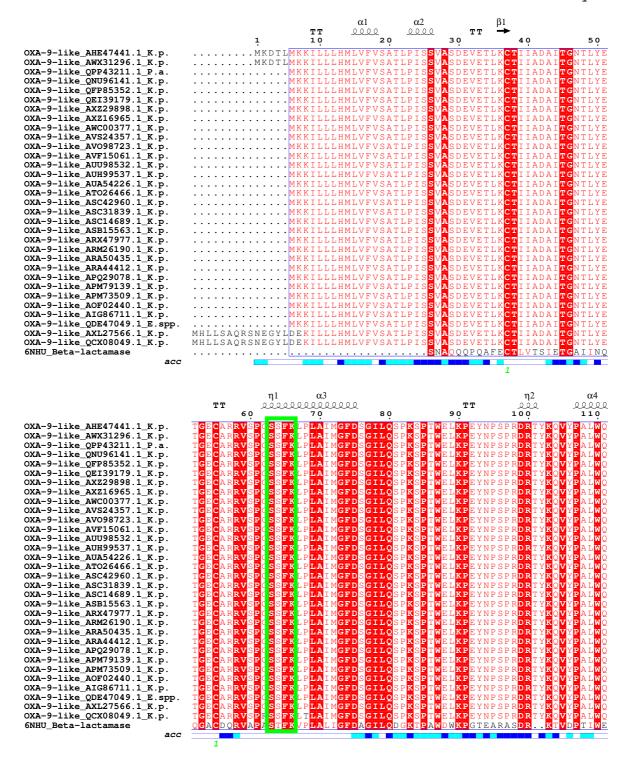
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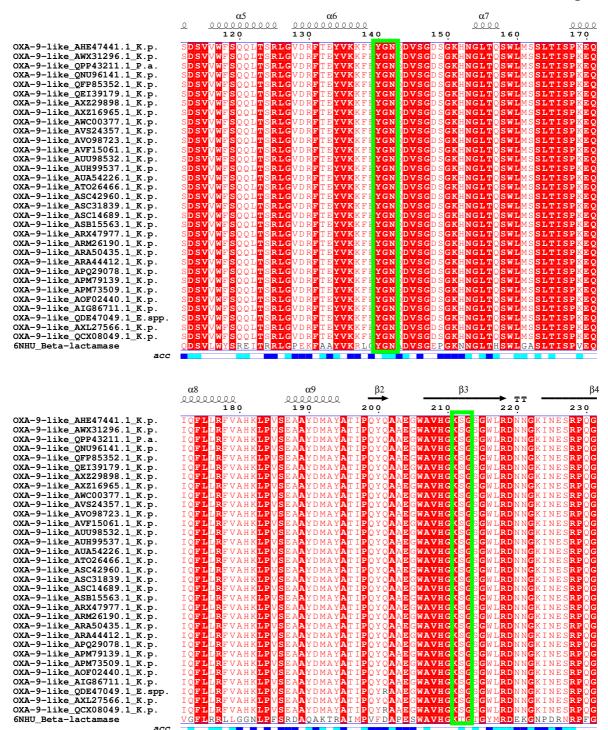


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OXA-2-like_SZD41030.1_P.a.
OXA-2-like_ASA15328.1_P.a.
OXA-2-like_ASA17138.1_P.a.
OXA-2-like ASD12027.1 P.a.
OXA-2-like_AYZ57805.1_P.a.
OXA-2-like_QPV55945.1_P.a.
OXA-2-like_AXS74056.1_P.a.
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1K38 1 Beta-lactamase
                                                                           000000000
                                                                EGTLERSDWRKFFSEFQAKGTIVVADERQADRAMLVFDPVRSKKRY
EGTLERSDWRKFFSEFQAKGTIVVADERQADRAMLVFDPVRSKKRY
EGTLERSDWRKFFSEFQAKGTIVVADERQADRAMLVFDPVRSKKRY
1K38_1_Beta-lactamase
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OXA-2-like_AXX42030.1_A.b.
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EGTLERSDWRKFFSEFØAKGTIVVADERØADRAMLVFDPVRSKKRYS
EGTLERSDWRKFFSEFØAKGTIVVADERØADRAMLVFDPVRSKKRYS
EGTLERSDWRKFFSEFØAKGTIVVADERØADRAMLVFDPVRSKKRYS
OXA-2-like_APV34059.1_K.p.
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OXA-2-like_AVK22308.1_P.a.
OXA-2-like_SZD41030.1_P.a.
OXA-2-like_ASA15328.1_P.a.
                                                                 egtlersdwrkffsef@akgtivvader@
                                                                                                                   ADRAMLVF DPVR SKKRY
ADRAMLVF DPVR SKKRY
OXA-2-like_ASA17138.1_P.a.
OXA-2-like_ASD12027.1_P.a.
                                                                       .ERSDWRKFFSEFÖAKGTIVVADERÖ
.ERSDWRKFFSEFÖAKGTIVVADERÖ
OXA-2-like_AYZ57805.1_P.a.
                                                                                            QAK GTIV VADER QADRAMLVF DPVR SKKRY
OXA-2-like_QPV55945.1_P.a.
                                                                                             QAK GTIV VADER QADRAMLVF DPVR SKKR)
OXA-2-like_AXS74056.1_P.a.
                                                           \alpha 3
                                                                                                                    * 100
1K38_1_Beta-lactamase
                                            80
1K38_1_Beta-lactamase
                                                      PHTLFALDAGAVRDEFÖIFRWDGVNRGFAGHNÖD ÖDLR SAMRN STVW VYELF A
OXA-2-like_VAV79013.1_E.spp.
OXA-2-like_AXX42030.1_A.b.
OXA-2-like_APV34059.1_K.p.
                                                     PHTLFALDAGA VRDE FÖLFR WDGVNRGFA GHNÖD ÖDLR SAMRN STVW VYELFA
PHTLFALDAGA VRDE FÖLFR WDGVNRGFA GHNÖD ÖDLR SAMRN STVW VYELFA
                                                     IPHTLFALDAGAVRDEFOLFRWDGVNRGFAGHNOD ODLRSAMRNSTVWVYELFA
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OXA-2-like_ARG86543.1_P.a.
OXA-2-like_AVK22308.1_P.a.
OXA-2-like_SZD41030.1_P.a.
OXA-2-like_ASA15328.1_P.a.
OXA-2-like_ASA17138.1_P.a.
                                                     PHTLFALDAGAVRDEFÖIFRWDGVNRGFAGHNÖDÖDLR SAMRN STVW VYELF
PHTLFALDAGAVRDEFÖIFRWDGVNRGFAGHNÖDÖDLR SAMRN STVW VYELF
PHTLFALDAGAVRDEFOIFRWDGVNRGFAGHNODOLLR SAMRN STVW VYELF
OXA-2-like_ASD12027.1_P.a.
OXA-2-like_AYZ57805.1_P.a.
OXA-2-like_QPV55945.1_P.a.
OXA-2-like_AXS74056.1_P.a.
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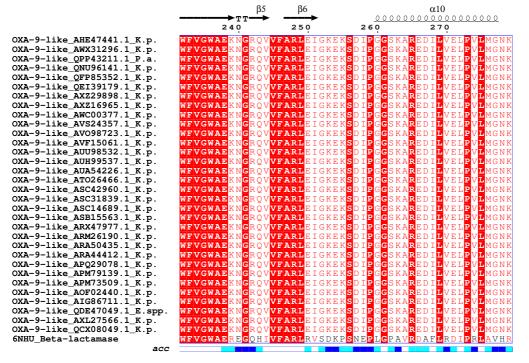


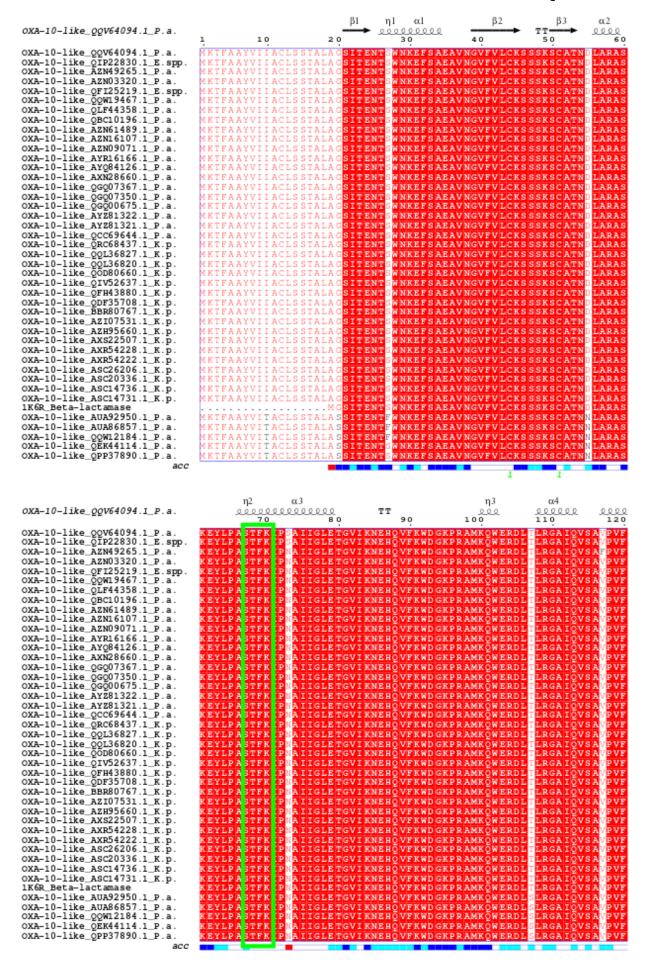


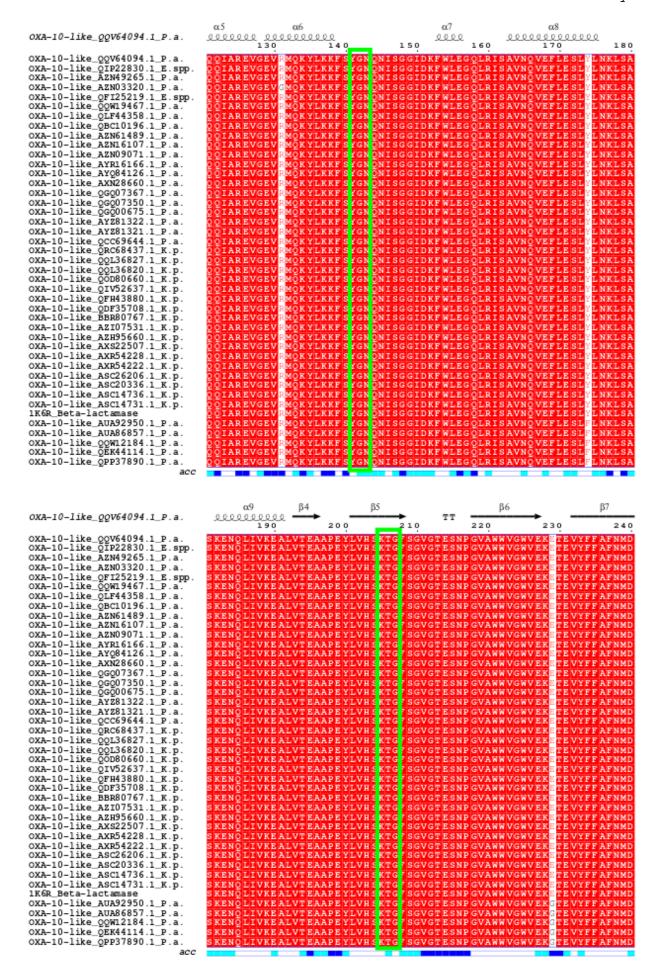


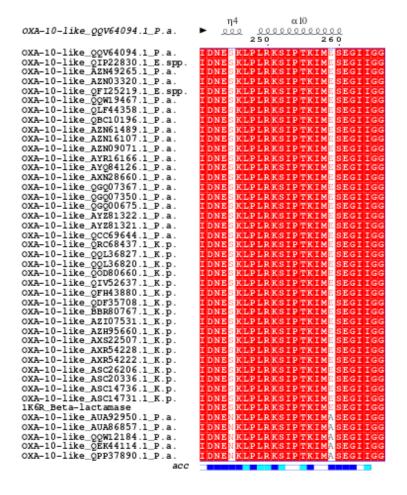


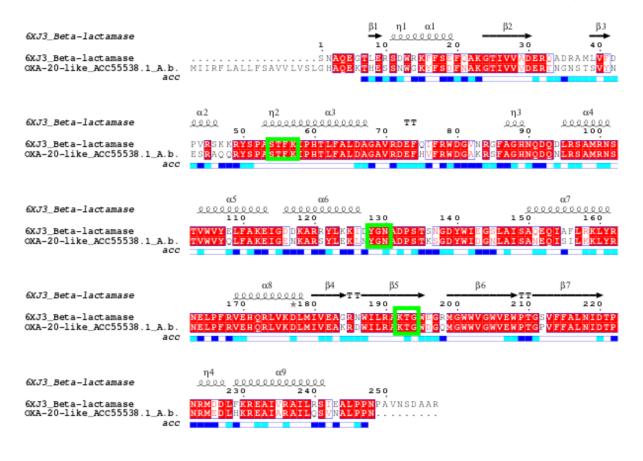
## OXA-9-like subfamily





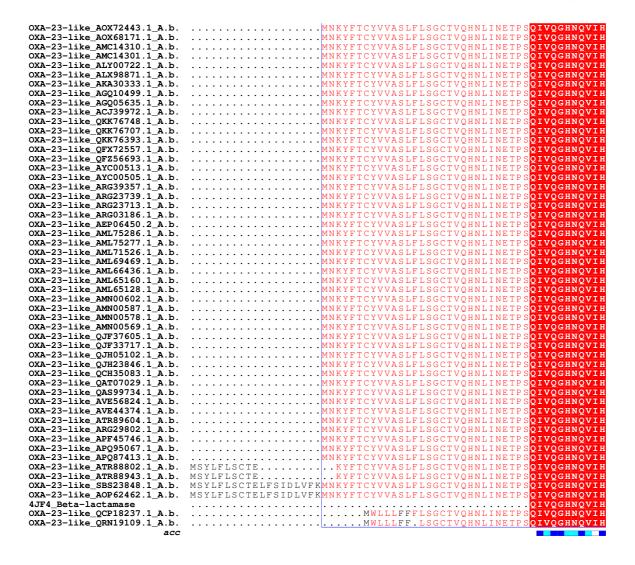




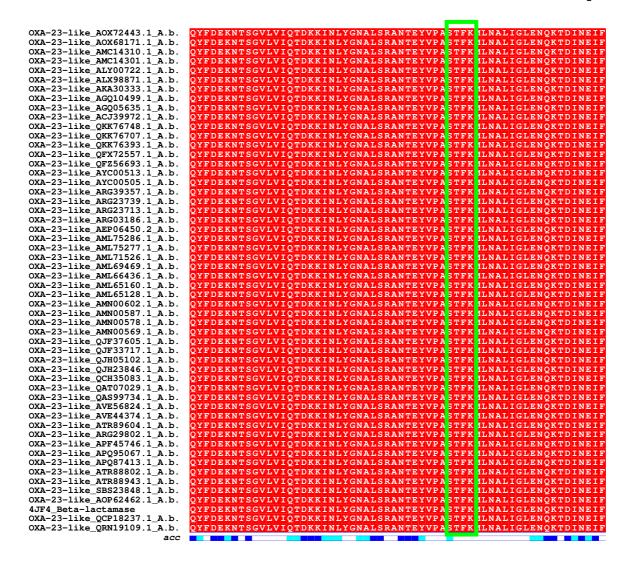


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OXA-23-like_QQE03160.1_A.b	. MNKYFTCYVVASLFLSGCTVQH	· · ·
OXA-23-like_QQE03411.1_A.b	MNKYFTCYVVASLFLSGCTVQH MNKYFTCYVVASLFLSGCTVQH	
OXA-23-like_QQD99362.1_A.b	MNKYFTCYVVASLFLSGCTVQH MNKYFTCYVVASLFLSGCTVQH	NLINETPS <mark>QIVQGHNQVIH</mark>
OXA-23-like_QQD95566.1_A.b	MNKYFTCYVVASLFLSGCTVQH	NLINETPS <mark>QIVQGHNQVIH</mark>
	MNKYFTCYVVASLFLSGCTVQH MNKYFTCYVVASLFLSGCTVQH	
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OXA-23-like_QP003745.1_A.b	MNKYFTCYVVASLFLSGCTVQH	NLINETPS <mark>QIVQGHNQVIH</mark>
OXA-23-like_QP000239.1_A.b	MNKYFTCYVVASLFLSGCTVQH MNKYFTCYVVASLFLSGCTVQH	
OXA-23-like_QLA71954.1_A.b	MNKYFTCYVVASLFLSGCTVQH MNKYFTCYVVASLFLSGCTVQH	
OXA-23-like_QJH23301.1_A.b	MNKYFTCYVVASLFLSGCTVQH	NLINETPS <mark>QIVQGHNQVIH</mark>
OXA-23-like_QJH19267.1_A.b.	MNKYFTCYVVASLFLSGCTVQH MNKYFTCYVVASLFLSGCTVQH	NLINETPSQIVQGHNQVIH
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OXA-23-like_QJH05456.1_A.b	MNKYFTCYVVASLFLSGCTVQH	NLINETPS <mark>QIVQGHNQVIH</mark>
OXA-23-like_QJH00715.1_A.b.	MNKYFTCYVVASLFLSGCTVQH MNKYFTCYVVASLFLSGCTVQH	NLINETPS <mark>QIVQGHNQVIH</mark>
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OXA-23-like_ARG28873.1_A.b	MNKYFTCYVVASLFLSGCTVQH MNKYFTCYVVASLFLSGCTVQH	
OXA-23-like_ARG30155.1_A.b	MNKYFTCYVVASLFLSGCTVQH MNKYFTCYVVASLFLSGCTVQH	
OXA-23-like_ASF49900.1_A.b	MNKYFTCYVVASLFLSGCTVQH	NLINETPS <mark>QIVQGHNQVIH</mark>
OXA-23-like_AUG13479.1_A.b. OXA-23-like_AVN25815.1_A.b.	MNKYFTCYVVASLFLSGCTVQH MNKYFTCYVVASLFLSGCTVQH	NLINETPS <mark>QIVQGHNQVIH</mark>
OXA-23-like_AVN25876.1_A.b	MNKYFTCYVVASLFLSGCTVQH MNKYFTCYVVASLFLSGCTVQH	
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OXA-23-like_AWW86703.1_A.b. OXA-23-like_AYY88859.1_A.b.	MNKYFTCYVVASLFLSGCTVQH	NLINETPS <mark>QIVQGHNQVIH</mark>
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OXA-23-like_QBY15339.1_A.b	MNKYFTCYVVASLFLSGCTVQH MNKYFTCYVVASLFLSGCTVQH	
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OXA-23-like_QCP27215.1_A.b	MNKYFTCYVVASLFLSGCTVQH	NLINETPSQIVQGHNQVIH
OXA-23-like_QCP40778.1_A.b	MNKYFTCYVVASLFLSGCTVQH MNKYFTCYVVASLFLSGCTVQH	NLINETPSQIVQGHNQVIH
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OXA-23-like_QDR92294.1_A.b	MNKYFTCYVVASLFLSGCTVQH	NLINETPS <mark>QIVQGHNQVIH</mark>
OXA-23-like_QEE57736.1_A.b	MNKYFTCYVVASLFLSGCTVQH MNKYFTCYVVASLFLSGCTVQH	NLINETPS <mark>QIVQGHNQVIH</mark>
	MNKYFTCYVVASLFLSGCTVQH MNKYFTCYVVASLFLSGCTVOH	
OXA-23-like_QEY29291.1_A.b	MNKYFTCYVVASLFLSGCTVQH MNKYFTCYVVASLFLSGCTVQH	NLINETPS QIVQGHNQVIH
OXA-23-like_QEY29496.1_A.b	MNKYFTCYVVASLFLSGCTVQH	NLINETPS <mark>QIVQGHNQVIH</mark>
OXA-23-like_QIX32951.1_A.b	MNKYFTCYVVASLFLSGCTVQH MNKYFTCYVVASLFLSGCTVQH	NLINETPS <mark>QIVQGHNQVIH</mark>
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OXA-23-like_QJG70467.1_A.b	MNKYFTCYVVASLFLSGCTVQH	NLINETPS <mark>QIVQGHNQVIH</mark>
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	MNKYFTCYVVASLFLSGCTVQH MNKYFTCYVVASLFLSGCTVQH	
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OXA-23-like_QJG89584.1_A.b	MNKYFTCYVVASLFLSGCTVQH	NLINETPS <mark>QIVQGHNQVIH</mark>
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	FKMNKYFTCYVVASLFLSGCTVQH MNKYFTCYVVASLFLSGCTVQH	
OXA-23-like_AML68547.1_A.b	. MNKYFTCYVVASLFLSGCTVQH . MNKYFTCYVVASLFLSGCTVQH	NLINETPS <mark>QIVQGHNQVIH</mark>
OXA-23-like_AOX84133.1_A.b	MNKYFTCYVVASLFLSGCTVQH	NLINETPS <mark>QIVQGHNQVIH</mark>
OXA-23-like_AOX75920.1_A.b	MNKYFTCYVVASLFLSGCTVQH MNKYFTCYVVASLFLSGCTVQH	NLINETPS <mark>QIVQGHNQVIH</mark>
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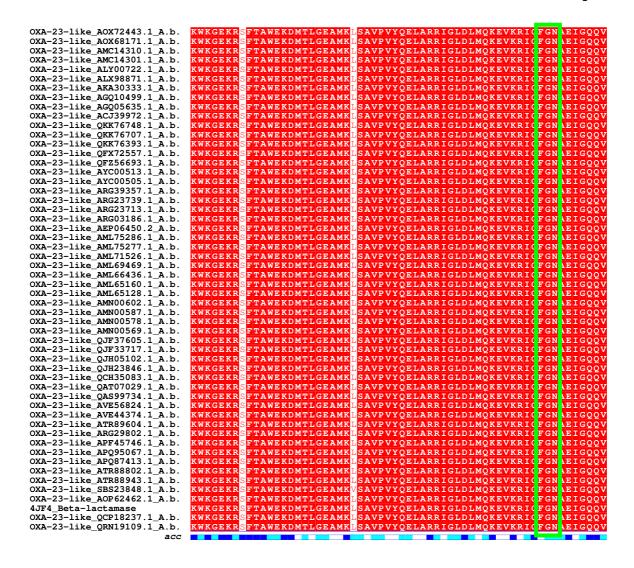
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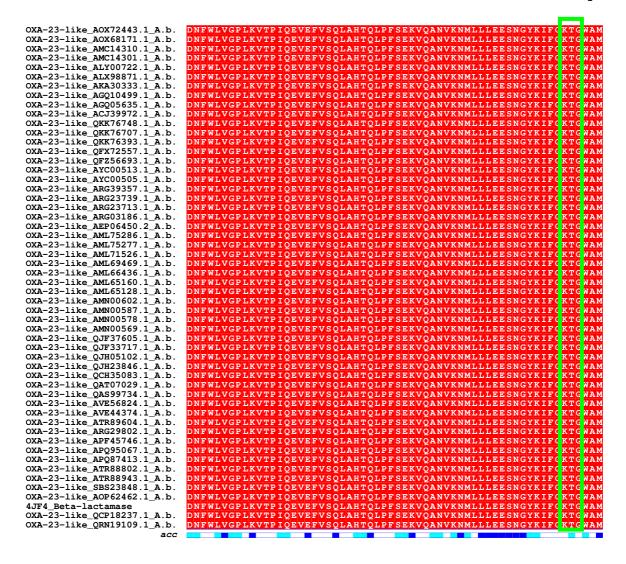
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OXA-23-like_QQE03160.1_A.b.	5 0 QYFDEKNTS	VLVIOT	6 0 6 0	70 TALSRANTE	90 YVPASTEK MLNALIGLENQI	100 KTDINEIF
OXA-23-like_QQE03411.1_A.b. OXA-23-like_QQD99609.1_A.b.	QYFDEKNTSG	VLVIQT	DKKINLYGN	<b>NALSRANTE</b>	YVPASTEK MLNALIGLENÕI YVPASTEK MLNALIGLENÕI	KTDINEIF
OXA-23-like_QQD99362.1_A.b.	QYFDEKNTSG	VLVIQT	DKKINLYGN	<b>NALSRANTE</b>	YVPA <mark>STFK</mark> MLNALIGLENQI	KTDINEIF
OXA-23-like_QQD95815.1_A.b. OXA-23-like_QQD95566.1_A.b.	QYFDEKNTSG	VLVIQT	DKKINLYGN	<b>IALSRANTE</b>	YVPASTFK MLNALIGLENQI YVPASTFK MLNALIGLENQI	KTDINEIF
OXA-23-like_QQD93073.1_A.b. OXA-23-like_QQD92824.1_A.b.					YVPASTFK MLNALIGLENQI YVPASTFK MLNALIGLENQI	
OXA-23-like_QQB67579.1_A.b.	QYFDEKNTSG	VLVIQT	DKKINLYGN	NALSRANTE	YVPA <mark>STFK</mark> MLNALIGLENQI	KTDINEIF
OXA-23-like_QQB65684.1_A.b. OXA-23-like_QPO03745.1_A.b.					YVPASTFK MLNALIGLENQI YVPASTFK MLNALIGLENQI	
OXA-23-like_QPO00239.1_A.b. OXA-23-like_QLG80230.1_A.b.					YVPASTFK MLNALIGLENQ! YVPASTFK MLNALIGLENQ!	
OXA-23-like_QLA71954.1_A.b. OXA-23-like_QJP32450.1 A.b.	QYFDEKNTSG	VLVIQT	DKKINLYGN	<b>NALSRANTE</b>	YVPASTEK MLNALIGLENÕI YVPASTEK MLNALIGLENÕI	KTDINEIF
OXA-23-like_QJH23301.1_A.b.	QYFDEKNTSG	VLVIQT	DKKINLYGN	NALSRANTE	YVPA <mark>STFK</mark> MLNALIGLENQI	KTDINEIF
OXA-23-like_QJH19267.1_A.b. OXA-23-like_QJH16482.1_A.b.					YVPASTFK MLNALIGLENQI YVPASTFK MLNALIGLENQI	
OXA-23-like_QJH15745.1_A.b. OXA-23-like_QJH15717.1_A.b.					YVPASTFK MLNALIGLENQI YVPASTFK MLNALIGLENQI	
OXA-23-like_QJH08361.1_A.b.	QYFDEKNTS	VLVIQT	DKKINLYGN	<b>NALSRANTE</b>	YVPA <mark>STFK</mark> MLNALIGLENQI	KTDINEIF
OXA-23-like_QJH12331.1_A.b. OXA-23-like_QJH05456.1_A.b.	QYFDEKNTSC	VLVIQT	DKKINLYGN	<b>NALSRANTE</b>	YVPASTFK MLNALIGLENQI YVPASTFK MLNALIGLENQI	KTDINEIF
OXA-23-like_QJH00715.1_A.b. OXA-23-like_QJG95773.1_A.b.					YVPASTFK MLNALIGLENQI YVPASTFK MLNALIGLENQI	
OXA-23-like_QJG96932.1_A.b. OXA-23-like_QJG96957.1_A.b.	QYFDEKNTSG	VLVIQT	DKKINLYGN	<b>IALSRANTE</b>	YVPASTEK MLNALIGLENÕI YVPASTEK MLNALIGLENÕI	KTDINEIF
OXA-23-like_QJH00689.1_A.b.	QYFDEKNTS	VLVIQT	DKKINLYGN	<b>NALSRANTE</b>	YVPA <mark>STFK</mark> MLNALIGLENQI	KTDINEIF
OXA-23-like_AOX88011.1_A.b. OXA-23-like_AOX91849.1_A.b.					YVPASTFK MLNALIGLENQI YVPASTFK MLNALIGLENQI	
OXA-23-like_AOX95708.1_A.b. OXA-23-like_APM50633.1_A.b.					YVPASTFK MLNALIGLENQ! YVPASTFK MLNALIGLENQ!	
OXA-23-like_APM50651.1_A.b.	QYFDEKNTSG	VLVIQT	DKKINLYG1	NALSRANTE	YVPA <mark>STFK</mark> MLNALIGLENQI	KTDINEIF
OXA-23-like_AQU56756.1_A.b. OXA-23-like_AQU56788.1_A.b.	QYFDEKNTSG	VLVIQT	DKKINLYGN	<b>NALSRANTE</b>	YVPASTFK MLNALIGLENQI YVPASTFK MLNALIGLENQI	KTDINEIF
OXA-23-like_ARF92486.1_A.b. OXA-23-like_ARF92497.1_A.b.					YVPASTFK MLNALIGLENQI YVPASTFK MLNALIGLENQI	
OXA-23-like_ARF95290.1_A.b. OXA-23-like_ARF96125.1_A.b.	QYFDEKNTSG	VLVIQT	DKKINLYGN	<b>IALSRANTE</b>	YVPASTEK MLNALIGLENÕI YVPASTEK MLNALIGLENÕI	KTDINEIF
OXA-23-like_ARG05487.1_A.b.	QYFDEKNTS	VLVIQT	DKKINLYGN	<b>NALSRANTE</b>	YVPA <mark>STFK</mark> MLNALIGLENQI	KTDINEIF
OXA-23-like_ARG10150.1_A.b. OXA-23-like_ARG12999.1_A.b.					YVPASTFK MLNALIGLENQI YVPASTFK MLNALIGLENQI	
OXA-23-like_ARG19192.1_A.b. OXA-23-like_ARG19219.1_A.b.					YVPASTFK MLNALIGLENQ! YVPASTFK MLNALIGLENQ!	
OXA-23-like_ARG28873.1_A.b.	QYFDEKNTSG	VLVIQT	DKKINLYG1	NALSRANTE	YVPA <mark>STFK</mark> MLNALIGLENQI	KTDINEIF
OXA-23-like_ARG28898.1_A.b. OXA-23-like_ARG30155.1_A.b.	QYFDEKNTSG	VLVIQT	DKKINLYGN	<b>NALSRANTE</b>	YVPASTFK MLNALIGLENQI YVPASTFK MLNALIGLENQI	KTDINEIF
OXA-23-like_ARG35250.1_A.b. OXA-23-like_ASF49900.1_A.b.					YVPASTFK MLNALIGLENQI YVPASTFK MLNALIGLENQI	
OXA-23-like_AUG13479.1_A.b. OXA-23-like_AVN25815.1_A.b.	QYFDEKNTSG	VLVIQT	DKKINLYGN	<b>NALSRANTE</b>	YVPASTEK MLNALIGLENQI YVPASTEK MLNALIGLENQI	KTDINEIF
OXA-23-like_AVN25876.1_A.b.	QYFDEKNTS	VLVIQT	DKKINLYGN	<b>NALSRANTE</b>	YVPA <mark>STFK</mark> MLNALIGLENQI	KTDINEIF
OXA-23-like_AVN25910.1_A.b. OXA-23-like_AWW79127.1_A.b.	QYFDEKNTS	VLVIQT	DKKINLYGN	<b>NALSRANTE</b>	YVPASTFK MLNALIGLENQI YVPASTFK MLNALIGLENQI	KTDINEIF
OXA-23-like_AWW83877.1_A.b. OXA-23-like_AWW86703.1_A.b.					YVPASTFK MLNALIGLENQI YVPASTFK MLNALIGLENQI	
OXA-23-like_AYY88859.1_A.b. OXA-23-like_BAP68327.1_A.b.	QYFDEKNTSG	VLVIQT	DKKINLYG1	NALSRANTE	YVPASTEK MLNALIGLENQI YVPASTEK MLNALIGLENQI	KTDINEIF
OXA-23-like_QAS95332.1_A.b.	QYFDEKNTSG	VLVIQT	DKKINLYGN	<b>NALSRANTE</b>	YVPA <mark>STFK</mark> MLNALIGLENÕI	KTDINEIF
OXA-23-like_QAT02983.1_A.b. OXA-23-like_QBY15339.1_A.b.	QYFDEKNTSG	VLVIQT	DKKINLYGN	NALSRANTE	YVPASTFK MLNALIGLENQI YVPASTFK MLNALIGLENQI	KTDINEIF
OXA-23-like_QCH32733.1_A.b. OXA-23-like QCP17255.1 A.b.					YVPASTFK MLNALIGLENQI YVPASTFK MLNALIGLENQI	
OXA-23-like_QCP24705.1_A.b. OXA-23-like_QCP27215.1_A.b.	QYFDEKNTS	VLVIQT	DKKINLYGN	<b>NALSRANTE</b>	YVPASTEK MLNALIGLENÕI YVPASTEK MLNALIGLENÕI	KTDINEIF
OXA-23-like_QCP29558.1_A.b.	QYFDEKNTSG	VLVIQT	DKKINLYGN	<b>IALSRANTE</b>	YVPA <mark>STFK</mark> MLNALIGLENQI	KTDINEIF
OXA-23-like_QCP40778.1_A.b. OXA-23-like_QCP43779.1_A.b.	QYFDEKNTSG	VLVIQT	DKKINLYGN	<b>IALSRANTE</b>	YVPASTFK MLNALIGLENQI YVPASTFK MLNALIGLENQI	KTDINEIF
OXA-23-like_QCP44095.1_A.b. OXA-23-like_QCP47140.1_A.b.					YVPASTFK MLNALIGLENQI YVPASTFK MLNALIGLENQI	
OXA-23-like_QCR88532.1_A.b.	QYFDEKNTSG	VLVIQT	DKKINLYGN	<b>IALSRANTE</b>	YVPASTFK MLNALIGLENÕI YVPASTFK MLNALIGLENÕI	KTDINEIF
OXA-23-like_QDR92294.1_A.b. OXA-23-like_QDR95367.1_A.b.	QYFDEKNTSG	VLVIQT	DKKINLYGN	<b>IALSRANTE</b>	YVPA <mark>STFK</mark> MLNALIGLENQI	KTDINEIF
OXA-23-like_QEE57736.1_A.b. OXA-23-like_QEE57740.1_A.b.					YVPASTFK MLNALIGLENQI YVPASTFK MLNALIGLENQI	
OXA-23-like_QEE57744.1_A.b. OXA-23-like_QEY29291.1 A.b.					YVPASTEK MLNALIGLENQI YVPASTEK MLNALIGLENQI	
OXA-23-like_QEY29320.1_A.b.	QYFDEKNTSG	VLVIQT	DKKINLYGN	<b>NALSRANTE</b>	YVPA <mark>STFK</mark> MLNALIGLENQI	KTDINEIF
OXA-23-like_QEY29496.1_A.b. OXA-23-like_QIX29121.1_A.b.	QYFDEKNTSG	VLVIQT	DKKINLYGN	NALSRANTE	YVPASTFK MLNALIGLENQI YVPASTFK MLNALIGLENQI	KTDINEIF
OXA-23-like_QIX32951.1_A.b. OXA-23-like_QIX36912.1_A.b.					YVPASTFK MLNALIGLENQI YVPASTFK MLNALIGLENQI	
OXA-23-like_QIX40711.1_A.b. OXA-23-like_QIX44509.1_A.b.	QYFDEKNTSG	VLVIQT	DKKINLYGN	<b>IALSRANTE</b>	YVPASTEK MLNALIGLENOI YVPASTEK MLNALIGLENOI	KTDINEIF
OXA-23-like_QJG69304.1_A.b.	QYFDEKNTS	VLVIQT	DKKINLYGN	<b>NALSRANTE</b>	YVPA <mark>STFK</mark> MLNALIGLENQI	KTDINEIF
OXA-23-like_QJG70467.1_A.b. OXA-23-like_QJG70485.1_A.b.	QYFDEKNTSG	VLVIQT	DKKINLYGN	<b>IALSRANTE</b>	YVPASTFK MLNALIGLENQI YVPASTFK MLNALIGLENQI	KTDINEIF
OXA-23-like_QJG71265.1_A.b. OXA-23-like_QJG74213.1_A.b.					YVPASTEK MLNALIGLENQI YVPASTEK MLNALIGLENQI	
OXA-23-like_QJG81833.1_A.b.	QYFDEKNTSG	VLVIQT	DKKINLYGN	<b>NALSRANTE</b>	YVPA <mark>STFK</mark> MLNALIGLENQI	KTDINEIF
OXA-23-like_QJG84680.1_A.b. OXA-23-like_QJG89564.1_A.b.	QYFDEKNTSG	VLVIQT	DKKINLYGN	NALSRANTE	YVPASTFK MLNALIGLENQI YVPASTFK MLNALIGLENQI	KTDINEIF
OXA-23-like_QJG89584.1_A.b. OXA-23-like_QJG90447.1_A.b.					YVPASTFK MLNALIGLENQI YVPASTFK MLNALIGLENQI	
OXA-23-like_QJG93290.1_A.b. OXA-23-like_ADX93021.1_A.b.	QYFDEKNTSG	VLVIQT	DKKINLYGN	<b>IALSRANTE</b>	YVPASTEK MLNALIGLENQI YVPASTEK MLNALIGLENQI	KTDINEIF
OXA-23-like_AXG83856.1_A.b.	QYFDEKNTS	VLVIQT	DKKINLYGN	<b>NALSRANTE</b>	YVPA <mark>STFK</mark> MLNALIGLENQI	KTDINEIF
OXA-23-like_AML68547.1_A.b. OXA-23-like_ARG03241.1_A.b.	QYFDEKNTSG	VLVIQT	DKKINLYGN	<b>NALSRANTE</b>	YVPASTFK MLNALIGLENQI YVPASTFK MLNALIGLENQI	KTDINEIF
OXA-23-like_AOX84133.1_A.b. OXA-23-like_AOX82595.1_A.b.					YVPASTFK MLNALIGLENQ! YVPASTFK MLNALIGLENQ!	
OXA-23-like_AOX75920.1_A.b. OXA-23-like_AOX75888.1_A.b.	QYFDEKNTSG	VLVIQT	DKKINLYGN	<b>NALSRANTE</b>	YVPASTFK MLNALIGLENQI YVPASTFK MLNALIGLENQI	KTDINEIF
U.M. 20 IIRE_RUN/J000.I_R.D.	ZIL DEKNIS	A TV TV T	- AND THE		THE PERSON NAMED OF THE POPULATION OF THE POPULA	



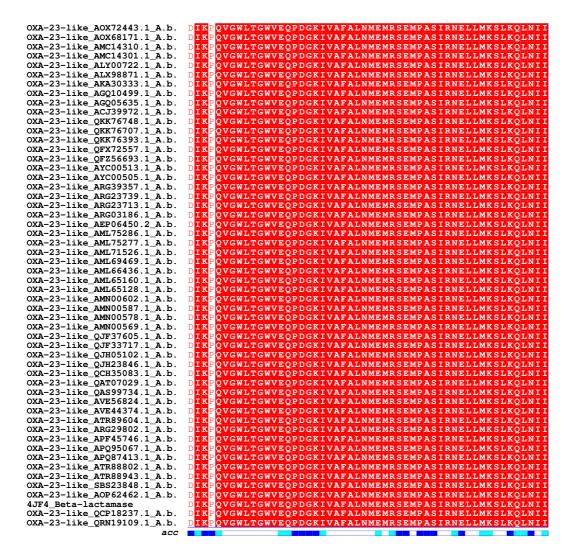
OXA-23-like_QQE03160.1_A.b.	η3 •••	α3 200000	α4 2222222222		
OXA-23-like_QQE03160.1_A.b.	110 KWKGEKRSFTAWEK	120 DMTLGEAMKLS	130 ★ 14 AVPVYQELARRIG	O 150 LDLMQKEVKRICF	160 GN AEIGQQV
OXA-23-like_QQE03411.1_A.b. OXA-23-like_QQD99609.1_A.b.				LDLMQKEVKRICF LDLMQKEVKRICF	
OXA-23-like QQD99362.1 A.b. OXA-23-like QQD95815.1 A.b.				LDLMOKEVKRICF LDLMOKEVKRICF	
OXA-23-like_QQD95566.1_A.b. OXA-23-like_QQD93073.1 A.b.	KWKGEKR <mark>S</mark> FTAWEK	DMTLGEAMK <mark>L</mark> S	AVPVYÕELARRIG	LDLMQKEVKRICF LDLMQKEVKRICF	GN <mark>AEIGQQ</mark> V
OXA-23-like_QQD92824.1_A.b.	KWKGEKR <mark>S</mark> FTAWEK	DMTLGEAMK <mark>L</mark> S	AVPVYQELARRIG	LDLMQKEVKRICF	GN AEIGQQV
OXA-23-like_QQB67579.1_A.b. OXA-23-like_QQB65684.1_A.b.	KWKGEKR <mark>S</mark> FTAWEK	DMTLGEAMK <mark>L</mark> S	AVPVYQELARRIG	LDLMQKEVKRI(F LDLMQKEVKRI(F	GN <mark>AEIGQQV</mark>
OXA-23-like_QPO03745.1_A.b. OXA-23-like_QPO00239.1_A.b.				LDLMQKEVKRICF LDLMQKEVKRICF	
OXA-23-like_QLG80230.1_A.b. OXA-23-like_QLA71954.1_A.b.				LDLMOKEVKRICF LDLMOKEVKRICF	
OXA-23-like_QJP32450.1_A.b. OXA-23-like_QJH23301.1 A.b.	KWKGEKR <mark>S</mark> FTAWEK	DMTLGEAMK <mark>L</mark> S	AVPVYÕELARRIG	LDLMQKEVKRICF LDLMQKEVKRICF	GN AEIGQQV
OXA-23-like_QJH19267.1_A.b.	KWKGEKR <mark>S</mark> FTAWEK	DMTLGEAMK <mark>L</mark> S	AVPVYQELARRIG	LDLMQKEVKRICF	GN AEIGQQV
OXA-23-like_QJH16482.1_A.b. OXA-23-like_QJH15745.1_A.b.	KWKGEKR <mark>S</mark> FTAWEK	DMTLGEAMK <mark>L</mark> S	<b>AVPVYQELARRIG</b>	LDLMQKEVKRI(F LDLMQKEVKRI(F	GN <mark>AEIGQQV</mark>
OXA-23-like_QJH15717.1_A.b. OXA-23-like_QJH08361.1_A.b.				LDLMQKEVKRI(F LDLMQKEVKRI(F	
OXA-23-like_QJH12331.1_A.b. OXA-23-like_QJH05456.1_A.b.		DMTLGEAMK LS	<b>AVPVYQELARRIG</b>	LDLMQKEVKRICF LDLMQKEVKRICF	GN AEIGQQV
OXA-23-like_QJH00715.1_A.b.	KWKGEKR <mark>S</mark> FTAWEK	DMTLGEAMK <mark>L</mark> S	AVPVYQELARRIG	LDLMOKEVKRICF LDLMOKEVKRICF	GN AEIGQQV
OXA-23-like_QJG95773.1_A.b. OXA-23-like_QJG96932.1_A.b.	KWKGEKR <mark>S</mark> FTAWEK	DMTLGEAMK LS	AVPVYQELARRIG	LDLMQKEVKRICF	GN <mark>AEIGQQV</mark>
OXA-23-like_QJG96957.1_A.b. OXA-23-like_QJH00689.1_A.b.		DMTLGEAMK LS	<b>AVPVYQELARRIG</b>	LDLMQKEVKRI(F LDLMQKEVKRI(F	GN AEIGQQV
OXA-23-like_AOX88011.1_A.b. OXA-23-like_AOX91849.1_A.b.				LDLMQKEVKRICF LDLMQKEVKRICF	
OXA-23-like_AOX95708.1_A.b. OXA-23-like_APM50633.1_A.b.				LDLMQKEVKRICF LDLMQKEVKRICF	
OXA-23-like_APM50651.1_A.b. OXA-23-like_AQU56756.1_A.b.	KWKGEKR <mark>S</mark> FTAWEK	DMTLGEAMK LS	AVPVYQELARRIG	LDLMOKEVKRICF LDLMOKEVKRICF	GN AEIGQQV
OXA-23-like_AQU56788.1_A.b.	KWKGEKR <mark>SFTAWE</mark> K	DMTLGEAMK <mark>L</mark> S	AVPVYQELARRIG	LDLMQKEVKRICF	GN AEIGQQV
OXA-23-like_ARF92486.1_A.b. OXA-23-like_ARF92497.1_A.b.	KWKGEKR <mark>S</mark> FTAWEK	DMTLGEAMK <mark>L</mark> S	<b>AVPVYQELARRIG</b>	LDLMQKEVKRI(F LDLMQKEVKRI(F	GN <mark>AEIGQQV</mark>
OXA-23-like_ARF95290.1_A.b. OXA-23-like_ARF96125.1_A.b.				LDLMQKEVKRI(F LDLMQKEVKRI(F	
OXA-23-like_ARG05487.1_A.b. OXA-23-like_ARG10150.1_A.b.		DMTLGEAMK LS	<b>AVPVYQELARRIG</b>	LDLMQKEVKRICF LDLMQKEVKRICF	GN AEIGQQV
OXA-23-like_ARG12999.1_A.b.	KWKGEKR <mark>S</mark> FTAWEK	DMTLGEAMK <mark>L</mark> S	AVPVYQELARRIG	LDLMOKEVKRICF LDLMOKEVKRICF	GN AEIGQQV
OXA-23-like_ARG19192.1_A.b. OXA-23-like_ARG19219.1_A.b.	KWKGEKR <mark>SFTAWE</mark> K	DMTLGEAMK LS	AVPVYQELARRIG	LDLMQKEVKRICF	GN <mark>AEIGQQV</mark>
OXA-23-like_ARG28873.1_A.b. OXA-23-like_ARG28898.1_A.b.		DMTLGEAMK LS	<b>AVPVYQELARRIG</b>	LDLMQKEVKRI(F LDLMQKEVKRI(F	GN AEIGQQV
OXA-23-like_ARG30155.1_A.b. OXA-23-like_ARG35250.1_A.b.				LDLMQKEVKRICF LDLMQKEVKRICF	
OXA-23-like_ASF49900.1_A.b. OXA-23-like_AUG13479.1_A.b.		DMTLGEAMK <mark>L</mark> S	<b>AVPVYQELARRIG</b>	LDLMQKEVKRICF LDLMQKEVKRICF	GN <mark>AEIGQQV</mark>
OXA-23-like_AVN25815.1_A.b. OXA-23-like_AVN25876.1_A.b.	KWKGEKR <mark>S</mark> FTAWEK	DMTLGEAMK LS	AVPVYQELARRIG	LDLMOKEVKRICF LDLMOKEVKRICF	GN AEIGQQV
OXA-23-like_AVN25910.1_A.b.	KWKGEKR <mark>SFTAWE</mark> K	DMTLGEAMK <mark>L</mark> S	AVPVYQELARRIG	LDLMQKEVKRICF	GN <mark>AEIGQQV</mark>
OXA-23-like_AWW79127.1_A.b. OXA-23-like_AWW83877.1_A.b.	KWKGEKR <mark>S</mark> FTAWEK	DMTLGEAMK LS	AVPVYQELARRIG	LDLMQKEVKRICF LDLMQKEVKRICF	GN AEIGQQV
OXA-23-like_AWW86703.1_A.b. OXA-23-like_AYY88859.1_A.b.				LDLMQKEVKRI(F LDLMQKEVKRI(F	
OXA-23-like_BAP68327.1_A.b. OXA-23-like QAS95332.1 A.b.				LDLMQKEVKRICF LDLMOKEVKRICF	
OXA-23-like_QAT02983.1_A.b. OXA-23-like_QBY15339.1 A.b.	KWKGEKRSFTAWEK	DMTLGEAMK <mark>L</mark> S		LDLMOKEVKRICF LDLMOKEVKRICF	
OXA-23-like_QCH32733.1_A.b.	KWKGEKR <mark>SFTAWE</mark> K	DMTLGEAMK <mark>L</mark> S	AVPVYÕELARRIG	LDLMQKEVKRICF LDLMOKEVKRICF	GN AEIGQQV
OXA-23-like_QCP17255.1_A.b. OXA-23-like_QCP24705.1_A.b.	KWKGEKR <mark>S</mark> FTAWEK	DMTLGEAMKLS2	AVPVYQELARRIG	LDLMQKEVKRICF	GN AEIGQQV
OXA-23-like_QCP27215.1_A.b. OXA-23-like_QCP29558.1_A.b.	KWKGEKR <mark>S</mark> FTAWEK	DMTLGEAMKLS	AVPVYOELARRIG	LDLMQKEVKRI(F LDLMQKEVKRI(F	GN AEIGOOV
OXA-23-like_QCP40778.1_A.b. OXA-23-like_QCP43779.1_A.b.	KWKGEKRSFTAWEK KWKGEKRSFTAWEK			LDLMOKEVKRICF LDLMOKEVKRICF	
OXA-23-like_QCP44095.1_A.b. OXA-23-like_QCP47140.1 A.b.		DMTLGEAMKLS	AVPVYQELARRIG	LDLMQKEVKRICF LDLMQKEVKRICF	GN AEIGQQV
OXA-23-like_QCR88532.1_A.b.	KWKGEKR <mark>S</mark> FTAWEK	DMTLGEAMK LS	AVPVYÕELARRIG	LDLMQKEVKRICF LDLMQKEVKRICF	GN AEIGQQV
OXA-23-like_QDR92294.1_A.b. OXA-23-like_QDR95367.1_A.b.	KWKGEKR <mark>S</mark> FTAWEK	DMTLGEAMK LS	AVPVYQELARRIG	LDLMQKEVKRICF	GN AEIGQQV
OXA-23-like_QEE57736.1_A.b. OXA-23-like_QEE57740.1_A.b.	KWKGEKRSFTAWEK KWKGEKRSFTAWEK	DMTLGEAMKLS	AVPVYOELARRIG	LDLMQKEVKRI(F LDLMQKEVKRI(F	GN AEIGOOV
OXA-23-like_QEE57744.1_A.b. OXA-23-like_QEY29291.1_A.b.	KWKGEKRSFTAWEK KWKGEKRSFTAWEK	DMTLGEAMKLS: DMTLGEAMKLS:	AVPVYQELARRIG AVPVYQELARRIG	LDLMOKEVKRICF LDLMOKEVKRICF	GN <mark>AEIGQQV</mark> GNAEIGOOV
OXA-23-like_QEY29320.1_A.b. OXA-23-like_QEY29496.1_A.b.	KWKGEKRSFTAWEK KWKGEKRSFTAWEK	DMTLGEAMKLS2	AVPVYQELARRIG	LDLMQKEVKRICF LDLMQKEVKRICF	GN AEIGQQV
OXA-23-like_QIX29121.1_A.b.	KWKGEKR <mark>S</mark> FTAWEK	DMTLGEAMK LS	AVPVYQELARRIG	LDLMQKEVKRICF	GN AEIGQQV
OXA-23-like_QIX32951.1_A.b. OXA-23-like_QIX36912.1_A.b.	KWKGEKR <mark>S</mark> FTAWEK	DMTLGEAMK LS	AVPVYQELARRIG	LDLMQKEVKRICF LDLMQKEVKRICF	GN AEIGQQV
OXA-23-like_QIX40711.1_A.b. OXA-23-like_QIX44509.1_A.b.		DMTLGEAMK <mark>L</mark> S	AVPVYOELARRIG	LDLMQKEVKRI(F LDLMQKEVKRI(F	GN AEIGOOV
OXA-23-like_QJG69304.1_A.b. OXA-23-like_QJG70467.1_A.b.	KWKGEKRSFTAWEK KWKGEKRSFTAWEK			LDLMQKEVKRICF LDLMOKEVKRICF	
OXA-23-like_QJG70485.1_A.b. OXA-23-like_QJG71265.1_A.b.		DMTLGEAMKLS2	AVPVYÕELARRIG	LDLMQKEVKRICF LDLMQKEVKRICF	GN <mark>AEIGQQV</mark>
OXA-23-like_QJG74213.1_A.b.	KWKGEKR <mark>S</mark> FTAWEK	DMTLGEAMK LS	AVPVYQELARRIG	LDLMQKEVKRICF	GN AEIGQQV
OXA-23-like_QJG81833.1_A.b. OXA-23-like_QJG84680.1_A.b.	KWKGEKR <mark>S</mark> FTAWEK	DMTLGEAMK <mark>L</mark> S	<b>AVPVYQELARRIG</b>	LDLMQKEVKRIGF LDLMQKEVKRIGF	GN <mark>AEIGQQV</mark>
OXA-23-like_QJG89564.1_A.b. OXA-23-like_QJG89584.1_A.b.	KWKGEKR <mark>S</mark> FTAWEK	DMTLGEAMKLS2	AVPVYQELARRIG	LDLMQKEVKRI(F LDLMQKEVKRI(F	GN <mark>AEIGQQV</mark>
OXA-23-like_QJG90447.1_A.b. OXA-23-like_QJG93290.1_A.b.	KWKGEKRSFTAWEK KWKGEKRSFTAWEK			LDLMQKEVKRICF LDLMQKEVKRICF	
OXA-23-like_ADX93021.1_A.b. OXA-23-like_AXG83856.1_A.b.	KWKGEKRSFTAWEK KWKGEKRLFTAWEK	DMTLGEAMKLS	AVPVYOELARRIG	LDLMOKEVKRICF LDLMOKEVKRICF	GN AEIGOOV
OXA-23-like_AML68547.1_A.b.	KWKGEKR <mark>S</mark> FTAWEK	DMTLGEAMK LS	AVPVYQELARRIG		GN AEIGQQV
OXA-23-like_ARG03241.1_A.b. OXA-23-like_AOX84133.1_A.b.	KWKGEKRSFTAWEK KWKGEKRSFTAWEK	DMTLGEAMK <mark>L</mark> S	AVPVYQELARRIG	LDLMQKEVKRICF	GN AEIGQQV
OXA-23-like_AOX82595.1_A.b. OXA-23-like_AOX75920.1_A.b.	KWKGEKRSFTAWEK KWKGEKRSFTAWEK	DMTLGEAMK LS	AVPVYÕELARRIG	LDLMQKEVKRICF	GN AEIGQQV
OXA-23-like_AOX75888.1_A.b.	KWKGEKRSFTAWEK	DMTLGEAMKLS.	AVPVYQELARRIG	LDLMQKEVKRICF	GN AEIGQQV



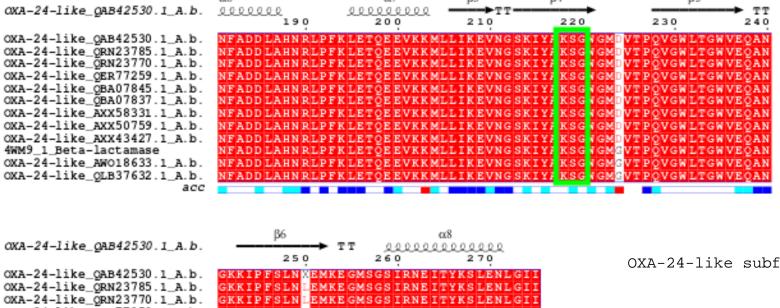
	UXA-23-like sublamily
OXA-23-like_QQE03160.1_A.b.	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
OXA-23-like_QQE03160.1_A.b.	170 180 190 200 210 220 DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFG KTG VAM
OXA-23-like_QQE03411.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFCKTGNAM
OXA-23-like_QQD99609.1_A.b.	DNFWLVGPLKVTPIOEVEFVSOLAHTOLPFSEKVOANVKNMLLLEESNGYKIFCKTGNAM
OXA-23-like_QQD99362.1_A.b.	DNFWLVGPLKVTPIÕEVEFVSÕLAHTÕLPFSEKVÕANVKNMLLLEESNGYKIFCKTG VAM
OXA-23-like_QQD95815.1_A.b.	DNFWLVGPLKVTPIÕEVEFVSÕLAHTÕLPFSEKVÕANVKNMLLLEESNGYKIFCKTGVAM
OXA-23-like_QQD95566.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFGKTG NAM
OXA-23-like_QQD93073.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFGKTGNAM
OXA-23-like_QQD92824.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFGKTGNAM
OXA-23-like_QQB67579.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFCKTGVAM
OXA-23-like_QQB65684.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFCKTGVAM
OXA-23-like_QP003745.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFCKTG VAM
OXA-23-like_QPO00239.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFGKTGWAM
OXA-23-like_QLG80230.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFGKTGWAM
OXA-23-like_QLA71954.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFGKTGNAM
OXA-23-like QJP32450.1 A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFGKTGNAM
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OXA-23-like_QJH16482.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFGKTG NAM
OXA-23-like_QJH15745.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFGKTGVAM
OXA-23-like_QJH15717.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFGKTGVAM
OXA-23-like_QJH08361.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFCKTGNAM
OXA-23-like_QJH12331.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFCKTGNAM
OXA-23-like_QJH05456.1_A.b.	DNFWLVGPLKVTPIÕEVEFVSÕLAHTÕLPFSEKVÕANVKNMLLLEESNGYKIFCKTG VAM DNFWLVGPLKVTPIÕEVEFVSÕLAHTÕLPFSEKVÕANVKNMLLLEESNGYKIFCKTG VAM
OXA-23-like_QJH00715.1_A.b. OXA-23-like_QJG95773.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFCKTG NAM
OXA-23-like_QJG96932.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFGKTGNAM
OXA-23-like_QJG96957.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFGKTGNAM
OXA-23-like_QJH00689.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFGKTGNAM
OXA-23-like_AOX88011.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFGKTGNAM
OXA-23-like_AOX91849.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFGKTG NAM
OXA-23-like_AOX95708.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFGKTGVAM
OXA-23-like_APM50633.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFGKTGVAM
OXA-23-like_APM50651.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFGKTGNAM
OXA-23-like_AQU56756.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFGKTGNAM
OXA-23-like_AQU56788.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFCKTGVAM
OXA-23-like_ARF92486.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFCKTGVAM
OXA-23-like_ARF92497.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFCKTG NAM
OXA-23-like_ARF95290.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFGKTGVAM
OXA-23-like_ARF96125.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFGKTGVAM
OXA-23-like_ARG05487.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFGKTGNAM
OXA-23-like_ARG10150.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFGKTGNAM
OXA-23-like_ARG12999.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFCKTGVAM
OXA-23-like_ARG19192.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFCKTGVAM
OXA-23-like_ARG19219.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFG <mark>KTG</mark> VAM
OXA-23-like_ARG28873.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFGKTGWAM
OXA-23-like_ARG28898.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFGKTGWAM
OXA-23-like_ARG30155.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFGKTGNAM
OXA-23-like_ARG35250.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFGKTGNAM
OXA-23-like_ASF49900.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFGKTG NAM
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OXA-23-like_AVN25815.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFG <mark>KTG</mark> WAM
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OXA-23-like_AVN25910.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFGKTGVAM
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OXA-23-like_AOX82595.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFGKTGVAM
OXA-23-like_AOX75920.1_A.b.	DNFWLVGPLKVTPIQEVEFVSQLAHTQLPFSEKVQANVKNMLLLEESNGYKIFGKTGVAM
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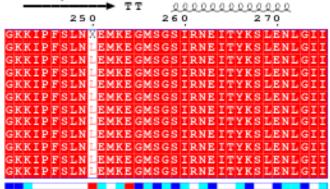
	β5	β6	α8
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OXA-23-like_QQE03411.1_A.b. OXA-23-like_QQD99609.1_A.b.			MPASIRNELLMKSLKQLNII MPASIRNELLMKSLKQLNII
OXA-23-11ke_QQD99009:1_A.b.			MPASIRNELLMKSLKQLNII
OXA-23-like_QQD95815.1_A.b. OXA-23-like_QQD95566.1_A.b.			MPASIRNELLMKSLKQLNII MPASIRNELLMKSLKQLNII
OXA-23-like_QQD93073.1_A.b.	DIKPQVGWLTGWVE	QPDGKIVAFALNMEMRSE	MPASIRNELLMKSLKQLNII
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OXA-23-like_QQB65684.1_A.b.	D <mark>IK</mark> PQVGWLTGWVE	QPDGKIVAFALNMEMRSE	MPASIRNELLMKSLKQLNII
OXA-23-like_QP003745.1_A.b. OXA-23-like_QP000239.1_A.b.			MPASIRNELLMKSLKQLNII MPASIRNELLMKSLKQLNII
OXA-23-like_QLG80230.1_A.b.	DIKPQVGWLTGWVE	QPDGKIVAFALNMEMRSE	MPASIRNELLMKSLKQLNII
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OXA-23-like_QJH15745.1_A.b. OXA-23-like_QJH15717.1_A.b.			MPASIRNELLMKSLKQLNII MPASIRNELLMKSLKQLNII
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OXA-23-like_QJH00715.1_A.b.	D <mark>IK</mark> PQVGWLTGWVE	QPDGKIVAFALNMEMRSE	MPASIRNELLMKSLKQLNII
OXA-23-like_QJG95773.1_A.b. OXA-23-like_QJG96932.1_A.b.			MPASIRNELLMKSLKQLNII MPASIRNELLMKSLKQLNII
OXA-23-like_QJG96957.1_A.b.	D <mark>IK</mark> P <mark>QVGWLTGWVE</mark>	QPDGKIVAFALNMEMRSE	MPASIRNELLMKSLKQLNII
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OXA-23-like_AOX91849.1_A.b.	DIKPQVGWLTGWVE	QPDGKIVAFALNMEMRSE	MPASIRNELLMKSLKQLNII
OXA-23-like_AOX95708.1_A.b. OXA-23-like_APM50633.1_A.b.			MPASIRNELLMKSLKQLNII MPASIRNELLMKSLKQLNII
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OXA-23-like_ARF95290.1_A.b.	D <mark>ik</mark> p <mark>qvgwltgwve</mark>	QPDGKIVAFALNMEMRSE	MPASIRNELLMKSLKQLNII
OXA-23-like_ARF96125.1_A.b. OXA-23-like_ARG05487.1_A.b.			MPASIRNELLMKSLKQLNII MPASIRNELLMKSLKQLNII
OXA-23-like_ARG10150.1_A.b.	D <mark>IK</mark> PQVGWLTGWVE	QPDGKIVAFALNMEMRSE	MPASIRNELLMKSLKQLNII
OXA-23-like_ARG12999.1_A.b. OXA-23-like_ARG19192.1_A.b.			MPASIRNELLMKSLKQLNII MPASIRNELLMKSLKQLNII
OXA-23-like_ARG19219.1_A.b.	D <mark>IK</mark> PQVGWLTGWVE	QPDGKIVAFALNMEMRSE	MPASIRNELLMKSLKQLNII
OXA-23-like_ARG28873.1_A.b. OXA-23-like_ARG28898.1_A.b.			MPASIRNELLMKSLKQLNII MPASIRNELLMKSLKQLNII
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OXA-23-like_ASF49900.1_A.b.	DIKPQVGWLTGWVE	QPDGKIVAFALNMEMRSE	MPASIRNELLMKSLKQLNII
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OXA-23-like_AYY88859.1_A.b.	DIKPQVGWLTGWVE	QPDGKIVAFALNMEMRSE	MPASIRNELLMKSLKQLNII
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OXA-23-like_QAT02983.1_A.b.	DIKPQVGWLTGWVE	<b>QPDGKIVAFALNMEMRSE</b>	MPASIRNELLMKSLKQLNII
OXA-23-like_QBY15339.1_A.b. OXA-23-like_QCH32733.1_A.b.			MPASIRNELLMKSLKQLNII MPASIRNELLMKSLKQLNII
OXA-23-like_QCP17255.1_A.b. OXA-23-like_QCP24705.1 A.b.			MPASIRNELLMKSLKQLNII MPASIRNELLMKSLKQLNII
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OXA-23-like_QEE57736.1_A.b. OXA-23-like QEE57740.1 A.b.			MPASIRNELLMKSLKQLNII MPASIRNELLMKSLKQLNII
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OXA-23-like_QIX29121.1_A.b. OXA-23-like_QIX32951.1_A.b.			MPASIRNELLMKSLKOLNII MPASIRNELLMKSLKOLNII
OXA-23-like_QIX36912.1_A.b. OXA-23-like_QIX40711.1_A.b.			MPASIRNELLMKSLKQLNII MPASIRNELLMKSLKQLNII
OXA-23-like_QIX44509.1_A.b.	DIKPQVGWLTGWVE	QPDGKIVAFALNMEMRSE	MPASIRNELLMKSLKQLNII
OXA-23-like_QJG69304.1_A.b. OXA-23-like_QJG70467.1_A.b.			MPASIRNELLMKSLKQLNII MPASIRNELLMKSLKQLNII
OXA-23-like_QJG70485.1_A.b.	DIKPQVGWLTGWVE	<b>QPDGKIVAFALNMEMRSE</b>	MPASIRNELLMKSLKQLNII
OXA-23-like_QJG71265.1_A.b. OXA-23-like_QJG74213.1_A.b.			MPASIRNELLMKSLKQLNII MPASIRNELLMKSLKQLNII
OXA-23-like_QJG81833.1_A.b. OXA-23-like_QJG84680.1_A.b.			MPASIRNELLMKSLKQLNII MPASIRNELLMKSLKOLNII
OXA-23-like_QJG89564.1_A.b.	DIKPQVGWLTGWVE	QPDGKIVAFALNMEMRSE	MPASIRNELLMKSLKQLNII
OXA-23-like_QJG89584.1_A.b. OXA-23-like_QJG90447.1_A.b.			MPASIRNELLMKSLKQLNII MPASIRNELLMKSLKQLNII
OXA-23-like_QJG93290.1_A.b.	DIKPQVGWLTGWVE	QPDGKIVAFALNMEMRSE	MPASIRNELLMKSLKQLNII
OXA-23-like_ADX93021.1_A.b. OXA-23-like_AXG83856.1_A.b.			MPASIRNELLMKSLKQLNII MPASIRNELLMKSLKQLNII
OXA-23-like_AML68547.1_A.b.	DIKPQVGWLTGWVE	QPDGKIVAFALNMEMRSE	MPASIRNELLMKSLKÕLNII MPASIRNELLMKSLKOLNII
OXA-23-like_ARG03241.1_A.b. OXA-23-like_AOX84133.1_A.b.	DIKPQVGWLTGWVE	QPDGKIVAFALNMEMRSE	MPASIRNELLMKSLKQLNII
OXA-23-like_AOX82595.1_A.b. OXA-23-like_AOX75920.1_A.b.			MPASIRNELLMKSLKQLNII MPASIRNELLMKSLKQLNII
OXA-23-like_AOX75888.1_A.b.			MPASIRNELLMKSLKQLNII



## OXA-24-like subfamily β1 OXA-24-like\_QAB42530.1\_A.b. 0000000000000000 20 60 10 30 40 FHISSOCHEKAIKSYFDEAOTOGVIIIKEG OXA-24-like\_QAB42530.1\_A.b. OXA-24-like\_QRN23785.1\_A.b. FHISSQQHEKA IKSYF DEAQT OXA-24-like\_QRN23770.1\_A.b. FHISSÕÕHEKAIKSYFDEAÖ OXA-24-like\_QER77259.1\_A.b. FHISSOOHEKAIKSYFDEAQT OXA-24-like\_QBA07845.1\_A.b. FHISSOOHEKAIKSYFDEAC OXA-24-like\_QBA07837.1\_A.b. FHISSQQHEKA IKSYFDEAQ OXA-24-like\_AXX58331.1\_A.b. FHISSOOHEKAIKSYFDEAOT OXA-24-like\_AXX50759.1\_A.b. FHISSOOHEKA IKSYFDEA OXA-24-like AXX43427.1 A.b. FHISSQQHEKAIKSYFDEAQT 4WM9\_1\_Beta-lactamase FHISSOOHEKA IKSYF DEAQT OXA-24-like\_AW018633.1\_A.b. FHISSQQHEKAIKSYFDEAQTQGVIIIKEG OXA-24-like\_QLB37632.1\_A.b. MKKFILPIF SISILVSLSACSSIKTKSEDN**FHISSOOHEKAIKSYFDEAOTOGVIIIKEG** $\eta 3$ OXA-24-like\_QAB42530.1\_A.b. 000000000 222 90 100 120 OXA-24-like\_OAB42530.1\_A.b. KNLSTYGNALARAN KEYVP ISTFK KLNALIGLENHKA TTNE IFKWD GKKRTYPMWEKDM OXA-24-like\_QRN23785.1\_A.b. KNLSTYGNA LARANKEYVP ASTFK KLNA LIGLENHKA TTNE IFKWD GKKRTYPMWEKDMT KNLSTYGNALARAN KEYVPA STFK (LNALIGLENHKATTNE IFKWD GKKRTYPMW EKDMI OXA-24-like\_QRN23770.1\_A.b. KNLSTYGNALARAN KEYVPA STFK (LNALIGLENHKATTNE IFKWD GKKRTYPMW EKDMT OXA-24-like\_QER77259.1\_A.b. OXA-24-like\_QBA07845.1\_A.b. KNLSTYGNALARAN KEYVP ASTFK KLNALIGLENHKA TTNE IFKWD GKKRT YPMWEKDMT OXA-24-like\_QBA07837.1\_A.b. KNLSTYGNALARAN KEYVP STFK (LNALIGLENHKATTNE IFKWD GKKRTYPMWEKDMT OXA-24-like AXX58331.1 A.b. KNLSTYGNALARAN KEYVP FSTFK (LNALIGLENHKA TTNE IFKWD GKKRT YPMWEKDMT OXA-24-like\_AXX50759.1\_A.b. KNLSTYGNA LARAN KEYVP ASTFK KLNA LIGLENHKATTNE IFKWD GKKRTYPMWEKDMT OXA-24-like\_AXX43427.1\_A.b. KNLSTYGNALARAN KEYVPASTFK KLNALIGLENHKATTNE IFKWD GKKRTYPMWEKDMT 4WM9 1 Beta-lactamase KNLSTYGNALARAN KEYVPA STFK (LNALIGLENHKATTNE IFKWD GKKRTYPMW EKDMI OXA-24-like\_AW018633.1\_A.b. KNLSTYGNALARAN KEYVPJSTFK (LNALIGLENHKATTNE IFKWDGKKRTYPMWEKDMT OXA-24-like\_QLB37632.1\_A.b. KNLSTYGNA LARAN KEYVP ASTFK \*\*LNA LIGLENHKA TTNE IFKWD GKKRTYPMWEKDMT $\alpha 3$ $\alpha S$ $\alpha 4$ 000000000000 OXA-24-like\_QAB42530.1\_A.b. 000000 000000000000 00000 140 160 180 OXA-24-like\_QAB42530.1\_A.b. LGEAMALSA VPVYOELARR TGLE LMOKE VKRVI FGN I NIGT OVDNF WLVGP LKIT PVOEV LGEAMALSAVPVYQELARR TGLE LMQKEVKRV FGN INIGT QVDNF WLVGP LKIT PVQEV OXA-24-like\_QRN23785.1\_A.b. OXA-24-like\_ORN23770.1\_A.b. LGEAMALSAVPVYOELARRTGLELMOKEVKRV FGN NIGTOVDNFWLVGP OXA-24-like\_QER77259.1\_A.b. LGEAMALSA VPVYQELARR TGLE LMQKE VKRV N FGN TNIGT OVDNF WLVGP LKIT OXA-24-like\_QBA07845.1\_A.b. LGEAMALSA VPVYOELARR TGLE LMOKE VKRV NFGN TNIGT OVDNF WLVGP LGEAMALSAVPVYOELARR TGLE LMOKEVKRVY FGN I NIGT OVDNF WLVGP LKI OXA-24-like\_QBA07837.1\_A.b. OXA-24-like\_AXX58331.1\_A.b. LGEAMALSAVPVYÖELARR TGLE LMÖKE VKRV 🔭 F GN 🕻 NI GT ÖVDN F WLVGP LKIT PV OXA-24-like\_AXX50759.1\_A.b. LGEAMALSAVPVYOELARRTGLELMOKEVKRVIFGN INIGTOVDNFWLVGPLKIT <u>LGEAMAL</u>SAVPVYOELARRTGLELMOKEVKRV<mark>I</mark>FGN<mark>I</mark>NIGTOVDNFWLVGPLKITP OXA-24-like AXX43427.1 A.b. 4WM9\_1\_Beta-lactamase LGE AM ALSA VPVYOELARR TGLE LMOKE VKRV 🔭 FGN TNIGT OVDN FWLVGPLKIT PVO OXA-24-like\_AW018633.1\_A.b. LGEAMALSAVPVYOELARRTGLELMOKEVKRVNFGN INIGT OVDNFWLVGPLKIT PVO OXA-24-like\_QLB37632.1\_A.b. LGEAMALSAVPVYOELARRTGLE LMOKEVKRVN FGN INIGTOVDNF WLVGP LKITPV

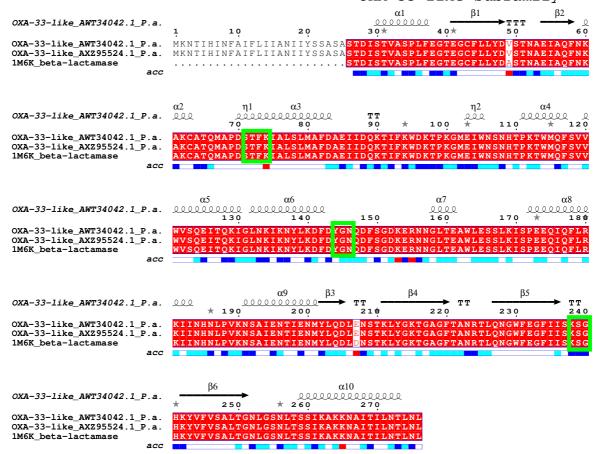


OXA-24-like\_QER77259.1\_A.b. OXA-24-like\_QBA07845.1\_A.b. OXA-24-like\_QBA07837.1\_A.b. OXA-24-like AXX58331.1 A.b. OXA-24-like\_AXX50759.1\_A.b. OXA-24-like\_AXX43427.1\_A.b. 4WM9\_1\_Beta-lactamase OXA-24-like AW018633.1 A.b. OXA-24-like\_QLB37632.1\_A.b.

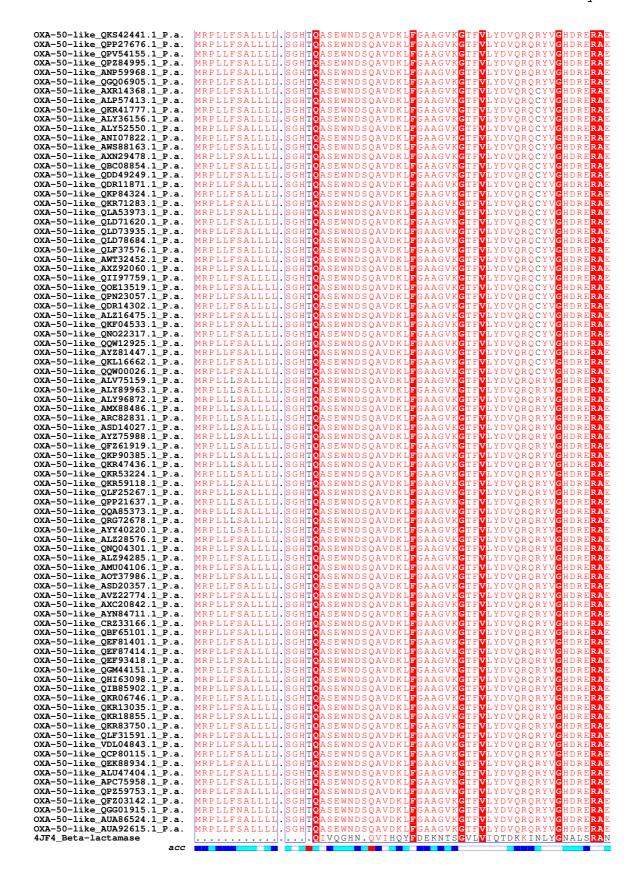


OXA-24-like subfamily

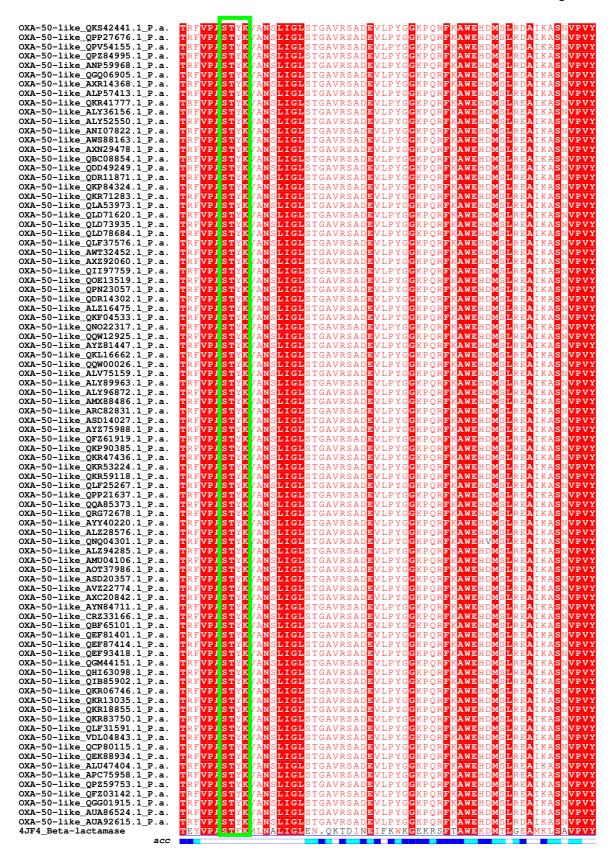
## OXA-33-like subfamily



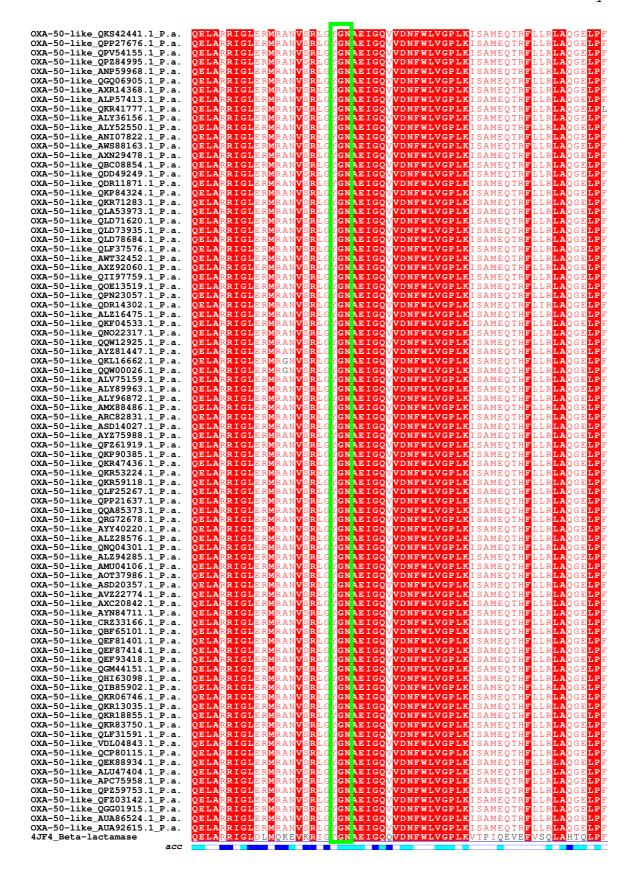
	TTT TTT	η1 2222	α1 22222	000 -	β	β2 β2	α2 • 0000
	1 10	20	з о		4 O	50	
OXA-50-like_QQW22444.1_P.a. OXA-50-like_QGQ00241.1_P.a.			NDSRAVDKL NDSRAVDKL			LYDVQRQRYV LYDVQRQRYV	
OXA-50-like_QQW19268.1_P.a.	MRPLLFSALLLL.	SGHAQASEW	NDSRAVDKL	FGAAGVK	G T F V	LYDVQRQRYV	HDRE <mark>RA</mark> E
OXA-50-like_QQW06309.1_P.a. OXA-50-like_QQV61463.1_P.a.			NDSRAVDKL NDSRAVDKL			LYDVQRQRYV LYDVQRQRYV	
OXA-50-like_QPP39331.1_P.a. OXA-50-like_QNE62162.1_P.a.	MRPLLFSALLLL. MRPLLFSALLLL.	SGH <mark>AQ</mark> ASEW SGHAQASEW					HDRE <mark>RA</mark> E HDRE <b>RA</b> E
$OXA-50-like_QLF44164.1_P.a.$	MRPLLFSALLLL.	SGHA <mark>Q</mark> ASEW	NDSRAVDKL	FGAAGVK	G T F V	LYDVQRQRYV	HDRE <mark>RA</mark> E
OXA-50-like_QLF18710.1_P.a. OXA-50-like_QEK46239.1_P.a.			NDSRAVDKL NDSRAVDKL			LYDVQRQRYV LYDVQRQRYV	HDRE <b>RA</b> E HDRE <b>RA</b> E
$OXA-50-like_QJA41232.1_P.a.$	MRPLLFSALLLL.	SGHA <mark>Q</mark> ASEW	NDSRAVDKL	FGAAGVK	GTFV	LYDVQRQRYV	HDRE <mark>RA</mark> E
OXA-50-like_AYZ58090.1_P.a. OXA-50-like_QDR20381.1_P.a.	MRPLLFSALLLL. MRPLLFSALLLL.	SGHAQASEW SGH <mark>AQ</mark> ASEW					HDRE <b>RA</b> E HDRE <b>RA</b> E
OXA-50-like_AYW69566.1_P.a. OXA-50-like_AYZ45913.1_P.a.	MRPLLFSALLLL. MRPLLFSALLLL.	SGHAOASEW					HDRE <b>RA</b> E HDRE <b>RA</b> E
$OXA-50-like\_AYK26584.1\_P.a.$	MRPLLFSALLLL.	SGHA <mark>Q</mark> ASEW	NDSRAVDKL	<b>F</b> GAAGVK	GTFV	LYDVQRQRYV	HDRE <mark>RA</mark> E
OXA-50-like_ASM88695.1_P.a. OXA-50-like_AUA80490.1_P.a.			NDSRAVDKL NDSRAVDKL			LYDVQRQRYV LYDVQRQRYV	HDRERAE
OXA-50-like_AUB05120.1_P.a. OXA-50-like_AVR86641.1_P.a.			NDSRAVDKL			LYDVQRQRYV LYDVQRQRYV	HDRERAE
$OXA-50-like\_AXS75147.1\_P.a.$	MRPLLFSALLLL.	SGHAQASEW	NDSRAVDKL	FGAAGVK	GTFV	LYDVQRQRYV	HDRE <mark>RA</mark> E
OXA-50-like_ALS13221.1_P.a. OXA-50-like_ALY73377.1_P.a.	MRPLLFSALLLL. MRPLLFSALLLL.		NDSRAVDKL NDSRAVDKL			LYDVQRQRYV LYDVQRQRYV	HDRE <b>RA</b> E HDRE <b>RA</b> E
OXA-50-like_ANA70339.1_P.a.	MRPLLFSALLLL.	SGH <mark>AQ</mark> ASEW	NDSRAVDKL	FGAAGVK	G T F V	LYDVQRQRYV	HDRE <mark>RA</mark> E
OXA-50-like_APB68390.1_P.a. OXA-50-like_ARI94830.1_P.a.	MRPLLFSALLLL. MRPLLFSALLLL.	SGHAQASEW SGH <mark>AQ</mark> ASEW				LYDVQRQRYV LYDVQRQRYV	HDRE <b>RA</b> E HDRE <b>RA</b> E
OXA-50-like_ARJ01367.1_P.a. OXA-50-like_ASA19039.1_P.a.	MRPLLFSALLLL. MRPLLFSALLLL.	SGHAQASEW SGHAQASEW	NDSRAVDKL NDSRAVDKL			LYDVQRQRYV LYDVQRQRYV	HDRE <b>RA</b> E HDRE <b>RA</b> E
$OXA-50-like\_AUA74232.1\_P.a.$	MRPLLFSALLLL.	SGHA <mark>Q</mark> ASEW	NNSRAVDKL	<b>F</b> GAAGVK	GTFV	LYDVQRQRYV	HDRE <mark>RA</mark> E
OXA-50-like_QCC69374.1_P.a. OXA-50-like_ATH06157.1_P.a.		SGHAQASEW SGH <mark>AQ</mark> ASEW	NDSRAVDKL NDSQAVDKL	FGAAGVK		LYDVQRQRYV LYDVQRQRYV	HDRE <b>RA</b> E HDRE <b>RA</b> E
OXA-50-like_AZZ14888.1_P.a. OXA-50-like_VDK95206.1_P.a.		SGHA <mark>Q</mark> ASEW	NDSQAVDKL NDSQAVDKL	<b>F</b> GAAGVK	GTFV	LYDVQRQRYV LYDVQRQRYV	
OXA-50-like_VDL11569.1_P.a.	MRPLLFSALLLL.	SGHAQASEW	NDSQAVDKL	FGAAGVK	GTFV	LYDVQRQRYV	HDRE <mark>RA</mark> E
OXA-50-like_VDL54838.1_P.a. OXA-50-like_VDL56340.1_P.a.		SGHAQASEW SGHAQASEW	NDSQAVDKL NDSQAVDKL			LYDVQRQRYV LYDVQRQRYV	
OXA-50-like_VDL57163.1_P.a. OXA-50-like_ALZ29437.1_P.a.	MRPLLFSALLLL.	SGH <mark>AQ</mark> ASEW	NDSQAVDKL	<b>F</b> GAAGVK	GTFV	LYDVQRQRYV	HDRE <mark>RA</mark> E
$OXA-50-like\_AON10100.1\_P.a.$	MRPLLFSALLLL.	SGHAQASEW		FGAAGVK	G T F V	LYDVQRQRYV LYDVQRQRYV	HDRE <mark>RA</mark> E
OXA-50-like_AON16083.1_P.a. OXA-50-like_AON22092.1_P.a.	MRPLLFSALLLL. MRPLLFSALLLL.	SGHA <mark>Q</mark> ASEW SGHA <b>Q</b> ASEW				LYDVQRQRYV LYDVQRQRYV	HDRE <b>RA</b> E HDRE <b>RA</b> E
$OXA-50-like\_AON28079.1\_P.a.$	MRPLLFSALLLL.	SGHA <mark>Q</mark> ASEW	NDSQAVDKL	FGAAGVK	G T F V	LYDVQRQRYV	HDRE <mark>RA</mark> E
OXA-50-like_AON34087.1_P.a. OXA-50-like_AON40072.1_P.a.		SGHAQASEW SGH <mark>AQ</mark> ASEW				LYDVQRQRYV LYDVQRQRYV	HDRE <b>RA</b> E HDRE <b>RA</b> E
OXA-50-like_AON46078.1_P.a. OXA-50-like_AON52080.1_P.a.	MRPLLFSALLLL. MRPLLFSALLLL.	SGHA <mark>Q</mark> ASEW SGHA <b>Q</b> ASEW				LYDVQRQRYV LYDVORORYV	HDRE <b>RA</b> E HDRE <b>RA</b> E
$OXA-50-like\_ARG47835.1\_P.a.$	MRPLLFSALLLL.	SGHA <mark>Q</mark> ASEW	NDSQAVDKL	<b>F</b> GAAGVK	GTFV	LYDVQRQRYV	HDRE <mark>RA</mark> E
OXA-50-like_ASP05026.1_P.a. OXA-50-like_ASP13070.1_P.a.	MRPLLFSALLLL. MRPLLFSALLLL.	SGHAQASEW SGHA <mark>Q</mark> ASEW					HDRE <b>RA</b> E HDRE <b>RA</b> E
OXA-50-like_AVE36468.1_P.a. OXA-50-like_AXL80491.1_P.a.		SGH <mark>AQ</mark> ASEW SGHA <b>Q</b> ASEW				LYDVQRQRYV LYDVQRQRYV	
$OXA-50-like\_QDR05681.1\_P.a.$	MRPLLFSALLLL.	SGHA <mark>Q</mark> ASEW	NDSQAVDKL	<b>F</b> GAAGVK	GTFV	LYDVQRQRYV	HDRE <mark>RA</mark> E
OXA-50-like_QGJ36847.1_P.a. OXA-50-like_QKG35875.1 P.a.	MRPLLFSALLLL. MRPLLFSALLLL.	SGHAQASEW SGHAQASEW				LYDVQRQRYV LYDVQRQRYV	
OXA-50-like_QKR24763.1_P.a.	MRPLLFSALLLL. MRPLLFSALLLL.	SGH <mark>AQ</mark> ASEW	NDSQAVDKL	<b>F</b> GAAGVK	GTFV	LYDVQRQRYV	HDRE <mark>RA</mark> E HDRE <b>RA</b> E
OXA-50-like_QQQ64022.1_P.a. OXA-50-like_QQD36200.1_P.a.	MRPLLFSALLLL.	SGHAQASEW SGH <mark>AQ</mark> ASEW	NDSQAVDKL	FGAAGVK	GTFV	LYDVQRQRYV	HDRE <mark>RA</mark> E
OXA-50-like_AON75377.1_P.a. OXA-50-like_QDY03768.1_P.a.	MRPLLFSALLLL. MRPLLFSALLLL.	SGHA <mark>Q</mark> ASEW SGHA <b>O</b> ASEW				LYDVQRQRYV LYDVQRQRYV	HDRE <b>RA</b> E HDRE <b>RA</b> E
OXA-50-like_QPP46609.1_P.a.	MRPLLFSALLLL.	SGHA <mark>Q</mark> ASEW	NDSQAVDKL	<b>F</b> GAAGVK	GTFV	LYDVQRQRYV	HDRE <mark>RA</mark> E
OXA-50-like_Q1Z29678.1_P.a. OXA-50-like_QKR77815.1_P.a.	MRPLFFSALLLLF MRPLLFSALLLL.	SGHAQASEW	NDSQAVDKL	FGAAGVK	GTFV	LYDVQRQRYV	HDRERAE
OXA-50-like_AMA40693.1_P.a. OXA-50-like QKE99620.1 P.a.	MRPLLFSALLLL. MRPLLFSALLLL.	SGHA <mark>Q</mark> ASEW SGHA <b>Q</b> ASEW	NDSQAVDKL NDSQAVDKI.	F G A A G V K F G A A G V K	GTFV GTFV	LYDVQRQRYV LYDVORORYV	HDRE <b>RA</b> E HDRERAE
$OXA-50-like\_AVZ37799.1\_P.a.$	MRPLLFSALLLL.	SGHAQASEW	NDSQAVDKL	FGAAGVK	GTFV	LYDVORORYV	HDRERAE
OXA-50-like_ASA32790.1_P.a. OXA-50-like_ASD07216.1_P.a.	MRPLLFSTLLLL. MRPLLFSTLLLL.	SGHAQASEW SGHAQASEW	NDSQAVDKL NDSQAVDKL	F G A A G V K F G A A G V K	GTFV GTFV	LYDVQRQRYV LYDVQRQRYV	HDRE <b>RA</b> E HDRE <b>RA</b> E
OXA-50-like_VDL31009.1_P.a. OXA-50-like_VDL53067.1_P.a.	MRPLLFSTLLLL.	SGHAQASEW	NDSQAVDKL	FGAAGVK	GTFV	LYDVQRQRYV	HDRERAE
OXA-50-like_AYF72086.1_P.a.	MRPLLFSTLLLL. MRPLLFSALLLL.	SGHAQASEW SGHAQASEW	NDSQAVDKL	F GAAGVK	GTFV	LYDVQRQRYV	HDRE <b>RA</b> E
OXA-50-like_AYQ83944.1_P.a. OXA-50-like_AYR15974.1_P.a.	MRPLLFSALLLL. MRPLLFSALLLL. MRPLLFSALLLL.	SGHAQASEW SGHAQASEW	NDSQAVDKL NDSQAVDKL	F G A A G V K F G A A G V K	GTFV	LYDVQRQRYV LYDVQRQRYV	HDRE <b>RA</b> E HDRE <b>RA</b> E
OXA-50-like_AZN03541.1_P.a. OXA-50-like_AZN09267.1_P.a.	MRPLLFSALLLL. MRPLLFSALLLL.	SGHAQASEW	NDSQAVDKL NDSQAVDKI	FGAAGVK	GTFV	LYDVQRQRYV LYDVORORYV	HDRE <b>RA</b> E
$OXA-50-like\_AZN16304.1\_P.a.$	MRPLLFSALLLL. MRPLLFSALLLL.	SGH <mark>AQ</mark> ASEW	NDSQAVDKL	F GAAGVK	GTFV	LYDVQRQRYV	HDRE <b>RA</b> E
OXA-50-like_AZN49449.1_P.a. OXA-50-like_AZN54830.1_P.a.	MRPLLFSALLLL.	SGHAQASEW	NDSQAVDKL	FGAAGVK	GTFV	LYDVORORYV	HDRERAE
OXA-50-like_AZN61319.1_P.a. OXA-50-like_QPZ71933.1_P.a.	MRPLLFSALLLL. MRPLLFSALLLL.	SGHAQASEW	NDSQAVDKL	F GAAGVK	GTFV	LYDVQRQRYV	HDRERAE
OXA-50-like_QQM09528.1_P.a.	MRPLLFSALLLL.	SGHAOASEW	NDSOAVDKL	FGAAGVK	GTFV	LYDVORORYV	HDRERAE
OXA-50-like_AVN44779.1_P.a. OXA-50-like_QKR65469.1_P.a.	MRPLLFSALLLL. MRPLLFSALLLL.	SGHAQASEW SGHAQASEW	NDSQAVDKL NDSOAVDKL	F G A A G V K	GTFV GTFV	LYDVQRQRYV LYDVORORYV	HDRE <b>RA</b> E HDRE <b>RA</b> E
OXA-50-like_AYW63307.1_P.a.	MRPLLFSALLLL.	SGHAQASEW	NDSQAVDKL	FGAAGVK	GTFV	LYDVORORYV	HDRERAE
OXA-50-like_QPZ65977.1_P.a. OXA-50-like_QHF92313.1_P.a.	MRPLLFSALLLL. MRPLLFSALLLL.	SGHTQASEW SGHTQASEW	NDSQAVDKL NDSQAVDKL	F GAAGVK	GTFV	LYDVQRQLYV	HDRE <b>RA</b> E
OXA-50-like_AZM83163.1_P.a. OXA-50-like_ALY58484.1_P.a.	MRPLLFSALLLL.	SGHTOASEW	NDSOAVDKL	GAAGVK	GTFV	LYDVORORYV	HDRERAE
OXA-50-like_AHA19368.1_P.a.	MRPLLFSALLLL.	SGHTOASEW	NDSQAVDKL	FGAAGVK	GTFV	LYDVQRQRYV	HDRERAE
OXA-50-like_ALE51523.1_P.a. OXA-50-like_ALY50692.1_P.a.	MRPLLFSALLLL. MRPLLFSALLLL. MRPLLFSALLLL.	SGHT <b>Q</b> ASEW SGH <b>T</b> QASEW	NDSQAVDKL NDSQAVDKL	FGAAGVK FGAAGVK	GTFV GTFV	LYDVQRQRYV LYDVQRQRYV	HDRE <b>RA</b> E HDRE <b>RA</b> E
OXA-50-like_ALY86245.1_P.a. OXA-50-like_ALZ22498.1_P.a.	MRPLLFSALLLL. MRPLLFSALLLL.	SGHTQASEW	NDSQAVDKL	FGAAGVK	TFV	LYDVQRQRYV	HDRERAE
$OXA-50-like\_AOP60986.1\_P.a.$	MRPLLFSALLLL. MRPLLFSALLLL.	SGHTQASEW	NDSQAVDKL	F GAAGVK	G T F V	LYDVQRQRYV	HDRE <b>RA</b> E
OXA-50-like_ASD00726.1_P.a. OXA-50-like_AXR31931.1_P.a.	MRPLLFSALLLL.	SGHTOASEW	NDSQAVDKL	FGAAGVK	GTFV	LYDVORORYV	HDRERAE
$OXA-50-like\_AYW76172.1\_P.a.$	MRPLLFSALLLL. MRPLLFSALLLL.	SGHTOASEW	NDSQAVDKL	FGAAGVK	TFV	LYDVQRQRYV	HDRERAE
OXA-50-like_QAS76324.1_P.a. OXA-50-like_QDD38928.1_P.a.	MRPLLFSALLLL.	SGH <mark>TQ</mark> ASEW	NDSQAVDKL NDSQAVDKL	F G A A G V K	GIFV	LYDVQRQRYV LYDVQRQRYV	HDRE <b>RA</b> E
OXA-50-like_QES85928.1_P.a. OXA-50-like_QJH86618.1_P.a.	MRPLLFSALLLL. MRPLLFSALLLL. MRPLLFSALLLL.	SGHTOASEW SGHTOASEW	NDSQAVDKL NDSOAVDKT.	FGAAGVK FGAAGVK	GTFV GTFV	LYDVQRQRYV LYDVORORYV	HDRE <b>RA</b> E HDRE <b>RA</b> E
OXA-50-like_QKK88642.1_P.a. OXA-50-like_QKR30875.1_P.a.	MRPLLFSALLLL.	SGHTOASEW	NDSOAVDKL	FGAAGVK	GTEV	LYDVORORYV	HDRERAE
OXA-50-11ke_QKR30875.1_P.a. OXA-50-11ke_QKR36250.1_P.a.	MRPLLFSALLLL. MRPLLFSALLLL.	SGHTQASEW	NDSQAVDKL	F G A A G V K	GTFV	LYDVQRQRYV	HDRE <b>RA</b> E



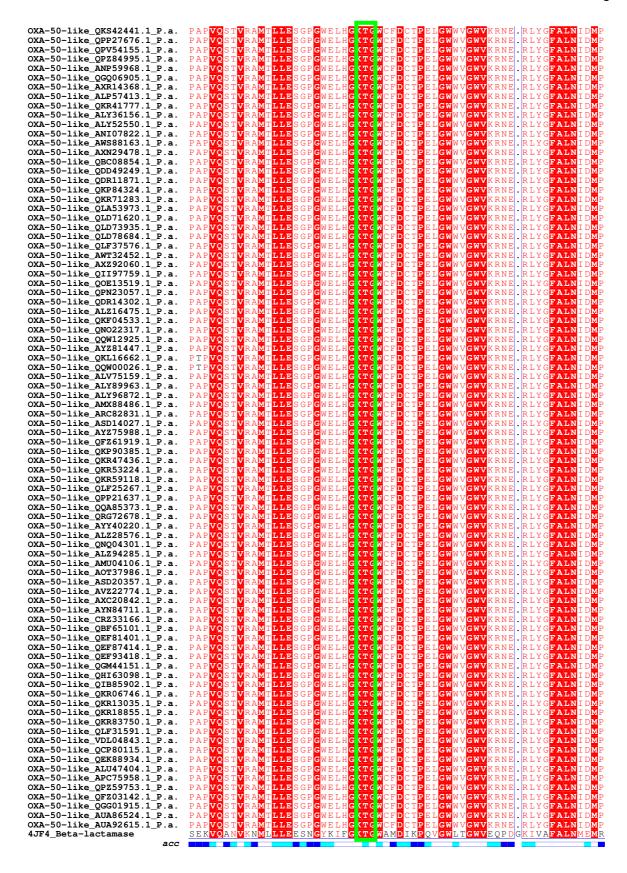
6	η2 α3 ••••••••••••	Д <b>ТТ</b> 80 90	η3 222 <b>100</b>	α4 2000000 <b>110</b>	عععا
OXA-50-like_QQW22444.1_P.a.	TRFVPA STYK /ANSLIG	LSTGAVRSAD <mark>E</mark> VLPYG <mark>G</mark> K	PQR <mark>F</mark> K <b>AWE</b> HD <mark>M</mark>	S <mark>L</mark> RD <mark>A</mark> IKA <b>S</b>	
	TRFVPASTYK VANSLIG	LSTGAVRSAD <mark>E</mark> VLPYG <mark>G</mark> K	PQR <mark>F</mark> K <b>AWE</b> HD <b>M</b> :		NVPVY
				S <mark>L</mark> RD <mark>A</mark> IKA <b>S</b> SLRD <b>A</b> IKAS	
OXA-50-like_QPP39331.1_P.a.	TRFVPASTYK /ANSLIG TRFVPASTYK /ANSLIG	<mark>L</mark> STGAVRSAD <mark>E</mark> VLPYG <mark>G</mark> K	PQRFK <mark>AWE</mark> HD <mark>M</mark>	S <mark>L</mark> RD <b>A</b> IKA <b>S</b>	
$OXA-50-like_QLF44164.1_P.a.$	TRF <mark>VPASTYK</mark> /A <mark>NSLIG</mark>	<mark>L</mark> STGAVRSAD <mark>E</mark> VLPYG <mark>G</mark> K	PQR <mark>F</mark> K <mark>AWE</mark> HD <mark>M</mark> :	S <mark>l</mark> rd <mark>a</mark> ika <mark>s</mark> :	NVPVY
OXA-50-like_QEK46239.1_P.a.	TRFVP2STYK / ANSLIG		PQR <mark>F</mark> K <b>AWE</b> HD <b>M</b> :	S <mark>l</mark> rd <mark>a</mark> ika <mark>s</mark> :	
				SLRDAIKA <b>S</b> SLRDAIKA <b>S</b>	
	TRFVPASTYK /ANSLIG TRFVPASTYK /ANSLIG	<mark>L</mark> STGAVRSAD <mark>E</mark> VLPYG <mark>G</mark> K	PQR <mark>F</mark> K <b>AWE</b> HD <b>M</b> :	S <mark>L</mark> RD <b>A</b> IKA <b>S</b> SLRDAIKAS	
OXA-50-like_AYZ45913.1_P.a.	TRFVPASTYK / ANSLIG	LSTGAVRSAD <mark>E</mark> VLPYG <mark>G</mark> K	PQRFK <mark>AWE</mark> HD <mark>M</mark> :	S <mark>l</mark> rd <mark>a</mark> ika <mark>s</mark> :	NVPVY
OXA-50-like_ASM88695.1_P.a.	TRF <mark>VPASTYK</mark> /A <mark>NSLIG</mark>	<mark>L</mark> STGAVRSAD <mark>E</mark> VLPYG <mark>G</mark> K	PQR <mark>F</mark> K <b>AWE</b> HD <b>M</b> :	S <mark>L</mark> RD <b>A</b> IKA <b>S</b> S <mark>L</mark> RD <b>A</b> IKA <b>S</b>	NVPVY
				S <mark>L</mark> RD <mark>A</mark> IKA <b>S</b> S <b>L</b> RD <b>A</b> IKA <b>S</b>	
				S <mark>L</mark> RD <mark>A</mark> IKA <b>S</b> S <b>L</b> RD <b>A</b> IKA <b>S</b>	N <mark>VPVY</mark> N <b>VPVY</b>
OXA-50-like_ALS13221.1_P.a.	TRFVPASTYK / ANSLIG	<mark>L</mark> STGAVRSAD <mark>E</mark> VLPYG <mark>G</mark> K	PQR <mark>F</mark> K <mark>AWE</mark> HD <mark>M</mark> :	SLRDAIKAS SLRDAIKAS	NVPVY
OXA-50-like_ANA70339.1_P.a.	TRFVPASTYK / ANSLIG	<mark>L</mark> STGAVRSAD <mark>E</mark> VLPYG <mark>G</mark> K	PQRFK <mark>AWE</mark> HD <mark>M</mark> :	S <mark>L</mark> RD <mark>A</mark> IKA <b>s</b> i	NVPVY
OXA-50-like_ARI94830.1_P.a.	TRFVPASTYK /ANSLIG TRFVPASTYK /ANSLIG	<mark>L</mark> STGAVRSAD <mark>E</mark> VLPYG <mark>G</mark> K	PQR <mark>F</mark> K <b>AWE</b> HD <b>M</b> :	S <mark>L</mark> RD <b>A</b> IKA <b>S</b> S <mark>L</mark> RD <b>A</b> IKA <b>S</b>	NVPVY
				S <mark>L</mark> RD <mark>A</mark> IKA <b>S</b> S <b>L</b> RD <b>A</b> IKA <b>S</b>	N V P V Y N V P V Y
$OXA-50-like\_AUA74232.1\_P.a.$				S <mark>L</mark> RD <mark>A</mark> IKA <b>S</b> S <b>L</b> RD <b>A</b> IKA <b>S</b>	
OXA-50-like_ATH06157.1_P.a.	TRFVPASTYK / ANSLIG	<mark>L</mark> STGAVRSAD <mark>E</mark> VLPYG <mark>G</mark> K	PQR <mark>F</mark> K <mark>AWE</mark> HD <mark>M</mark> :	SLRDAIKAS SLRDAIKAS	NVPVY
OXA-50-like_VDK95206.1_P.a.	TRFVPASTYK VANSLIG	<mark>L</mark> STGAVRSAD <mark>E</mark> VLPYG <mark>G</mark> K	PÕR <mark>F</mark> K <b>AWE</b> HD <b>M</b> :	S <mark>L</mark> RD <mark>A</mark> IKA <b>S</b>	NVPVY
OXA-50-like_VDL54838.1_P.a.	TRFVPASTYK / ANSLIG	<mark>L</mark> STGAVRSAD <mark>E</mark> VLPYG <mark>G</mark> K	PÕRFK <b>AWE</b> HD <b>M</b> :	S <mark>L</mark> RD <mark>A</mark> IKA <b>S</b> S <mark>L</mark> RD <mark>A</mark> IKA <b>S</b>	NVPVY
	TRFVPASTYK /ANSLIG TRFVPASTYK /ANSLIG			S <mark>L</mark> RD <mark>A</mark> IKA <b>S</b> S <b>L</b> RD <b>A</b> IKA <b>S</b>	
OXA-50-like_ALZ29437.1_P.a.	TRF <mark>VPAST</mark> Y <mark>K</mark> /A <mark>n</mark> SLIG	<mark>L</mark> STGAVKSAD <mark>E</mark> VLPYG <mark>G</mark> K	PQR <mark>F</mark> K <b>AWE</b> HD <b>M</b> :	S <mark>L</mark> RD <mark>A</mark> IKA <b>S</b>	
$OXA-50-like\_AON16083.1\_P.a.$	TRFVPASTYK /ANSLIG	<mark>L</mark> STGAVKSAD <mark>E</mark> VLPYG <mark>G</mark> K	PQR <mark>F</mark> K <mark>AWE</mark> HD <mark>M</mark>	SLRDAIKAS SLRDAIKAS	NVPVY
$OXA-50-like\_AON28079.1\_P.a.$	TRF <mark>VPASTYK</mark> /A <mark>NSLIG</mark>	<mark>L</mark> STGAVKSAD <mark>E</mark> VLPYG <mark>G</mark> K	PQR <mark>F</mark> K <b>AWE</b> HD <b>M</b>	S <mark>L</mark> RD <mark>A</mark> IKA <b>s</b> i	NVPVY
$OXA-50-like\_AON40072.1\_P.a.$	TRFVPASTYK / ANSLIG	<mark>L</mark> STGAVKSAD <mark>E</mark> VLPYG <mark>G</mark> K	PQR <mark>F</mark> K <b>AWE</b> HD <b>M</b> :	S <mark>L</mark> RD <b>A</b> IKA <b>S</b> S <b>L</b> RD <b>A</b> IKA <b>S</b>	NVPVY
	TRFVPASTYK VANSLIG			SLRDAIKA <mark>S</mark> SLRDAIKAS	NVPVY NVPVY
				S <mark>L</mark> RD <mark>A</mark> IKA <b>S</b> S <b>L</b> RD <b>A</b> IKA <b>S</b>	
	TRFVPASTYK /ANSLIG TRFVPASTYK /ANSLIG			S <mark>L</mark> RD <mark>A</mark> IKA <b>S</b> SLRD <b>A</b> IKA <b>S</b>	N <mark>VPVY</mark> N <b>VPVY</b>
OXA-50-like_AXL80491.1_P.a.	TRF <mark>VPASTYK</mark> /A <mark>NSLIG</mark>	<mark>L</mark> STGAVKSAD <mark>E</mark> VLPYG <mark>G</mark> K	PQR <mark>F</mark> K <b>AWE</b> HD <mark>M</mark> :		NVPVY
OXA-50-like_QGJ36847.1_P.a.	TRF <mark>VPAST</mark> Y <mark>K</mark> /A <mark>n</mark> SLIG	<mark>L</mark> STGAVKSAD <mark>E</mark> VLPYG <mark>G</mark> K	PQRFK <mark>AWE</mark> HD <mark>M</mark> :	SLRDAIKAS SLRDAIKAS	NVPVY
OXA-50-like_QKR24763.1_P.a.	TRFVPASTYK /ANSLIG	<mark>L</mark> STGAVKSAD <mark>E</mark> VLPYG <mark>G</mark> K	PQR <mark>F</mark> K <mark>AWE</mark> HD <mark>M</mark> :	S <mark>l</mark> rd <mark>a</mark> ika <mark>s</mark>	NVPVY
OXA-50-like_QQD36200.1_P.a.	TRFVPASTYK /ANSLIG TRFVPASTYK /ANSLIG	<mark>L</mark> STGAVKSAD <mark>E</mark> VLPYG <mark>G</mark> K	PQR <mark>F</mark> K <mark>AWE</mark> HD <mark>M</mark>		NVPVY
		LSTGAVKSADEVLPYG <mark>G</mark> K LSTGAVKSADEVLPYG <mark>G</mark> K		S <mark>L</mark> RD <mark>A</mark> IKA <mark>S</mark> S <b>L</b> RD <mark>A</mark> IKA <b>S</b>	
OXA-50-like OIZ29678.1 P.a.	TREVPASTYK /ANSLIG	LSTGAVKSADEVLPYG <mark>G</mark> K LSTGAVKSADEVLPYG <b>G</b> K	PORFKAWEHDM	S <mark>L</mark> RD <b>A</b> IKA <b>S</b> S <b>L</b> RD <b>A</b> IKA <b>S</b>	NVPVY
OXA-50-like QKR77815.1 P.a.	TRFVPASTYK / ANSLIG	LSTGAVKSADEVLPYG <mark>G</mark> K	PORFKAWEHDM	SLREAIKAS	NVPVY
OXA-50-like_QKE99620.1_P.a. OXA-50-like_AVZ37799.1_P.a.	TREVEASTYK /ANSLIG	LSTGAVRSAD <mark>E</mark> VLPYG <mark>G</mark> K LSTGAVRSAD <mark>E</mark> VLPYG <mark>G</mark> K	PORFKAWE HDM	S <mark>L</mark> RD <mark>A</mark> IEA <mark>S</mark>	NVPVY
OXA-50-like_ASA32790.1_P.a.	TRFVPASTYK /ANSLIG	LSTGAVKSADEVLPYG <mark>G</mark> K LSTGAVRSADEVLPYG <mark>G</mark> K LSTGAVRSADEVLPYG <mark>G</mark> K	PQRFK <b>AWE</b> HDM	SLRDAIEAS	NVPVY
OXA-50-like_ASD07216.1_P.a. OXA-50-like_VDL31009.1_P.a.	TREVPASTYK VANSLIG TREVPASTYK VANSLIG	LSTGAVRSADEVLPYG <b>G</b> K LSTGAVRSAD <mark>E</mark> VLPYG <mark>G</mark> K	PQRFKAWEHDM: PQR <mark>F</mark> K <mark>AWE</mark> HD <mark>M</mark> :	S <mark>L</mark> RD <b>A</b> IEAS	N V P V Y N <mark>V P V Y</mark>
OXA-50-like_VDL53067.1_P.a. OXA-50-like_AYF72086.1_P.a.	TRFVPASTYK /ANSLIG TRFVPASTYK /ANSLIG	LSTGAVRSADEVLFYG <mark>G</mark> K LSTGAVRSADEVLFYG <mark>G</mark> K LSTGAVRSADEVLFYG <mark>G</mark> K	PQRFK <b>AWE</b> HDM: PQR <b>FKAWE</b> HD <b>M</b> :	SLRDAIEAS S <mark>L</mark> RD <mark>A</mark> IEAS	NVPVY N <mark>VPVY</mark>
OXA-50-like_AYQ83944.1_P.a. OXA-50-like_AYR15974.1_P.a.	TRFVPASTYK /ANSLIG TRFVPASTYK /ANSLIG	LSTGAVRSADEVLPYG <mark>G</mark> K LSTGAVRSADEVLPYG <mark>G</mark> K LSTGAVRSADEVLPYG <mark>G</mark> K	IPQR <b>FKAWE</b> HD <b>M</b> IPQR <b>FKAWE</b> HD <b>M</b>	SLRDAIEAS SLRDAIEAS	N V P V Y N V P V Y
OXA-50-like_AZN03541.1_P.a. OXA-50-like_AZN09267.1_P.a.	TREVPASTYK / ANSLIG	LSTGAVRSAD <mark>E</mark> VLPYG <mark>G</mark> K LSTGAVRSADEVLPYG <b>G</b> K	PORFK <mark>AWE</mark> HD <mark>M</mark> PORFKAWEHDM	S <mark>L</mark> RD <mark>A</mark> IEA <mark>S</mark> SLRDATEAS	N <mark>VPVY</mark> NVPVY
OXA-50-like_AZN16304.1_P.a. OXA-50-like_AZN49449.1_P.a.	TREVPASTYK /ANSLIG	LSTGAVRSADEVLPYG <mark>G</mark> K LSTGAVRSADEVLPYG <mark>G</mark> K LSTGAVRSADEVLPYG <mark>G</mark> K	PORFKAWEHDM:	SLRDAIEAS SLRDAIEAS	NVPVY
OXA-50-like_AZN54830.1_P.a.	TRFVPASTYK /ANSLIG	LSTGAVRSADEVLPYG <mark>G</mark> K LSTGAVRSADEVLPYG <mark>G</mark> K LSTGAVRSADEVLPYG <mark>G</mark> K	P Q R F K A W E H D M	SLRDAIEAS	NVPVY
OXA-50-like_AZN61319.1_P.a. OXA-50-like_QPZ71933.1_P.a.	TREVERSITE ANSLIG	LSTGAVRSADEVLPYG <mark>G</mark> K	PQRFKAWEHDM:	SLRDATEAS SLRDAVEAS	N V P V Y
$OXA-50-like_QQM09528.1_P.a.$ $OXA-50-like_AVN44779.1_P.a.$	TRFVPASTYK /ANSLIG TRF <mark>VPAST</mark> YK /ANSLIG	LSTGAVRSADEVLPYG <mark>G</mark> K LSTGAVKSADEVLPYG <mark>G</mark> K LSTGAVRSADEVLPYG <mark>G</mark> K	PQRFK <b>AWE</b> HDM PQR <mark>F</mark> K <b>AWE</b> HD <mark>M</mark>	SLRDAIEAS S <mark>L</mark> RD <mark>A</mark> IEA <mark>S</mark>	NVPVY N <mark>VPVY</mark>
OXA-50-like_QKR65469.1_P.a. OXA-50-like_AYW63307.1_P.a.	TRFVPASTYK /ANSLIG TRFVPASTYK /ANSLIG	LSTGAVRSADEVLPYG <mark>G</mark> K LSTGAVKSADEVLPYG <mark>G</mark> K	[PQRFKAWEHDM [PQRFKAWEHDM	SLRDAIEAS SLRDAIEAS	NVPVY NVPVY
OXA-50-like_QPZ65977.1_P.a. OXA-50-like_QHF92313.1_P.a.	TRFVPASTYK/ANSLIG TRFVPASTYK/ANSLIG	LSTGAVKSADEVLPYG <mark>G</mark> K LSTGAVRSADEVLPYG <mark>G</mark> K LSTGAVRSADEVLPYG <mark>G</mark> K	IPQR <mark>F</mark> K <b>AWE</b> HDM IPORFK <b>AWE</b> HDM	S <mark>L</mark> RD <mark>A</mark> IKA <b>S</b> SLRD <b>A</b> IKAS	N <mark>VPVY</mark> N <b>VPVY</b>
OXA-50-like_AZM83163.1_P.a. OXA-50-like_ALY58484.1_P.a.	TREVPASTYK /ANSLIG	LSTGAVRSADEVLPYG <mark>G</mark> K LSTGAVRSADEVLPYG <mark>G</mark> K LSTGAVRSADEVLPYG <mark>G</mark> K	PORFKAWEHDM:	SLRDAIKA <mark>S</mark>	N <mark>VPVY</mark> N <b>VPVY</b>
OXA-50-like_AHA19368.1_P.a.	TRFVPASTYK /ANSLIG	LSTGAVRSADEVLPYGGK	PORFKAWE HDM	SLRDAIKAS	NVPVY
OXA-50-like_ALE51523.1_P.a. OXA-50-like_ALY50692.1_P.a.	TRFVPASTIK (ANSLIG	LSTGAVRSADEVLPYG <mark>G</mark> K LSTGAVRSADEVLPYG <mark>G</mark> K LSTGAVRSADEVLPYG <mark>G</mark> K	PQRFKAWEHDM:	LRDAIKAS LRDAIKAS	N V P V Y
OXA-50-like_ALY86245.1_P.a. OXA-50-like_ALZ22498.1_P.a.	TREVEASTYK /ANSLIG TREVEASTYK /ANSLIG	LSTGAVRSADEVLPYG <b>G</b> K LSTGAVRSADEVLPYG <b>G</b> K	PORFKAWEHDM: PORFKAWEHDM:	SLKDAIKAS SLRDAIKA <mark>S</mark>	N <b>V P V Y</b> N <b>V P V Y</b>
OXA-50-like_AOP60986.1_P.a. OXA-50-like_ASD00726.1_P.a.	TRF <b>VPASTYK</b> /ANSLIG TRF <mark>VPASTYK</mark> /ANSLIG	LSTGAVRSADEVLPYG <mark>G</mark> K LSTGAVRSADEVLPYG <mark>G</mark> K LSTGAVRSADEVLPYG <mark>G</mark> K	PQRFK <b>AWE</b> HD <mark>M</mark> PQR <mark>F</mark> K <b>AWE</b> HD <mark>M</mark>	SLRDAIKA <mark>S</mark> S <mark>L</mark> RD <b>A</b> IKA <b>S</b>	NVPVY N <mark>VPVY</mark>
OXA-50-like_AXR31931.1_P.a. OXA-50-like_AYW76172.1_P.a.	TRFVPASTYK /ANSLIG TRFVPASTYK /ANSLIG	LSTGAVRSADEVLFYG <mark>G</mark> K LSTGAVRSADEVLFYG <mark>G</mark> K LSTGAVRSADEVLFYG <mark>G</mark> K	PORFK <mark>AWE</mark> HD <mark>M</mark> PORFKAWEHDM	SIRDAIKA <mark>s</mark> Sirdaikas	N <mark>VPVY</mark> N <b>VPV</b> Y
OXA-50-like_QAS76324.1_P.a. OXA-50-like_QDD38928.1_P.a.	TREVEASTYK /ANSLIG	LSTGAVRSADEVLPYGGK	PORFKAWEHDM	ELRDAIKAS	NVPVY
OXA-50-like_QES85928.1_P.a. OXA-50-like_QES85928.1_P.a.	TRFVPASTYK 7ANSLIG	LSTGAVRSADEVLPYG <mark>G</mark> K LSTGAVRSADEVLPYG <mark>G</mark> K LSTGAVRSADEVLPYG <mark>G</mark> K	PORFKAWEHDM	SLRDAIKAS	NVPVY
OXA-50-like_QJH86618.1_P.a. OXA-50-like_QKK88642.1_P.a.	TRFVPPSTYK ANSLIG	LSTGAVRSADEVLPYG <b>G</b> K	PQRFKAWEHDM:	SLRDAIKAS LRDAIKAS	NVPVY
OXA-50-like_QKR30875.1_P.a. OXA-50-like_QKR36250.1_P.a.	TRFVPPSTIK ANSLIG	LSTGAVRSADBVLPYG <b>G</b> K LSTGAVRSADBVLPYG <b>G</b> K LSTGAVRSADBVLPYG <mark>G</mark> K	PQRFK <b>AWE</b> HDM PQRFK <b>AWE</b> HDM	SLRDAIKAS SLRDAIKAS	N <mark>VPVY</mark>



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OXA-50-like_QQW22444.1_P.a.	20 130 OELARRIGLERMRAN	140 NVSRLCYGNAEIG	150 16 OVVDNEWLVGPLE	60 170 Kisameqtr <b>e</b> llr	LAOGELPF
OXA-50-like_QGQ00241.1_P.a.	QELARRIGLERMRA1	N <mark>VSRLCYGN AEIG</mark>	Q <mark>V</mark> VD <b>NFWLVGPL</b> F	SISAMEQTR <mark>F</mark> LLR	<b>LA</b> QGE <mark>LP</mark> F
OXA-50-like_QQW19268.1_P.a. OXA-50-like_QQW06309.1_P.a.	QELARRIGLERMRAN QELARRIGLERMRAN	N <mark>vsrleygnaeig</mark>	Q <mark>V</mark> VD <b>NFWLVGPL</b> F	KISAMEQTR <b>F</b> LLR KISAMEQTR <mark>F</mark> LLR	<b>LA</b> QGE <b>LP</b> F
OXA-50-like_QQV61463.1_P.a. OXA-50-like_QPP39331.1_P.a.	QELARRIGLERMRAN QELARRIGLERMRAN			CISAMEQTR <b>F</b> LLR CISAMEOTR <b>F</b> LLR	
$OXA-50-like\_QNE62162.1\_P.a.$	QELARRIGLERMRA1	N <mark>vsrleygnaeig</mark>	Q <mark>V</mark> VDNFWLVGPLE	KISAMEQTR <mark>F</mark> LLR	<b>LA</b> QGE <b>LP</b> F
OXA-50-like_QLF44164.1_P.a. OXA-50-like_QLF18710.1_P.a.	QELARRIGLERMRAN QELARRIGLERMRAN	N <mark>VSRLEYGN AEIG</mark>	Q <mark>VVDNFWLVGPL</mark> F	KISAMEQTR <b>F</b> LLR KISAMEQTR <b>F</b> LLR	LAQGELPF LAQGE <mark>LP</mark> F
OXA-50-like_QEK46239.1_P.a. OXA-50-like_QJA41232.1_P.a.	QELARRIGLERMRAN QELARRIGLERMRAN			KISAMEQTR <b>F</b> LLR KISAMEQTR <b>F</b> LLR	
OXA-50-like_AYZ58090.1_P.a.	<b>QELA</b> R <mark>RIGL</mark> ER <mark>M</mark> RA1	N <mark>VSRLCYGN AEIG</mark>	Q <mark>∨vdnfwlvgpl</mark> i	SISAMEQTR <mark>F</mark> LLR	LAQGE <mark>LP</mark> F
OXA-50-like_QDR20381.1_P.a. OXA-50-like_AYW69566.1_P.a.	QELARRIGLERMRAN QELARRIGLERMRAN	N <mark>VSRLCYGN AEIG</mark>	~		
OXA-50-like_AYZ45913.1_P.a. OXA-50-like_AYK26584.1_P.a.	QELARRIGLERMRAN QELARRIGLERMRAN			CISAMEQTR <b>F</b> LLR CISAMEOTR <b>F</b> LLR	LAQGELPF LAQGELPF
$OXA-50-like\_ASM88695.1\_P.a.$	QELAR <mark>RIGL</mark> ER <mark>M</mark> RA1	N <mark>VSRLCYGN AEIG</mark>	Q <mark>V</mark> VD <b>NFWLVGPL</b> F	SISAMEQTR <mark>F</mark> LLR	<b>LA</b> QGE <b>LP</b> F
OXA-50-like_AUA80490.1_P.a. OXA-50-like_AUB05120.1_P.a.	QELARRIGLERMRAN QELARRIGLERMRAN			KISAMEQTR <b>F</b> LLR KISAMEQTR <b>F</b> LLR	
OXA-50-like_AVR86641.1_P.a. OXA-50-like_AXS75147.1_P.a.	QELARRIGLERMRAN QELARRIGLERMRAN				LAQGELPF LAQGELPF
OXA-50-like_ALS13221.1_P.a.	QELA <mark>rrigl</mark> er <mark>m</mark> rai	N <mark>V</mark> SRLC <mark>YGNAEIG</mark>	Q <mark>∨vdnfwlvgpl</mark> i	SISAMEQTR <mark>F</mark> LLR	<b>LA</b> QGE <b>LP</b> F
OXA-50-like_ALY73377.1_P.a. OXA-50-like_ANA70339.1_P.a.	QELARRIGLERMRAN QELARRIGLERMRAN			KISAMEQTRFLLR KISAMEQTRFLLR	
OXA-50-like_APB68390.1_P.a. OXA-50-like_ARI94830.1_P.a.	QELARRIGLERMRAN QELARRIGLERMRAN			ISAMEQTR <b>F</b> LLR ISAMEQTR <b>F</b> LLR	
OXA-50-like_ARJ01367.1_P.a.	QELA <mark>rrigl</mark> er <mark>m</mark> rai	N <mark>V</mark> SRLCYGNAEIG	Q <mark>∨vdnfwlvgpl</mark> i	SISAMEQTR <mark>F</mark> LLR	LAQGE <mark>LP</mark> F
OXA-50-like_ASA19039.1_P.a. OXA-50-like_AUA74232.1_P.a.	QELARRIGLERMRA! QELARRIGLERMRA!			KISAMEQTR <b>F</b> LLR KISAMEQTR <b>F</b> LLR	LAQGELPF LAQGELPF
OXA-50-like_QCC69374.1_P.a. OXA-50-like_ATH06157.1_P.a.	QELARRIGLERMRAN QELARRIGLERMRAN			CISAMEQTR <mark>F</mark> LLR CISAMEOTRFLLR	
$OXA-50-like\_AZZ14888.1\_P.a.$	QELARRIGLERMRA1	N <mark>VSRLCYGN AEIG</mark>	Q <mark>V</mark> VD <b>NFWLVGPL</b> F	KISAMEQTR <mark>F</mark> LLR	<b>LA</b> QGE <b>LP</b> F
OXA-50-like_VDK95206.1_P.a. OXA-50-like_VDL11569.1_P.a.	QELARRIGLERMRAN QELARRIGLERMRAN			KISAMEQTR <b>F</b> LLR KISAMEQTR <b>F</b> LLR	LAQGELPF LAQGELPF
OXA-50-like_VDL54838.1_P.a. OXA-50-like_VDL56340.1_P.a.	QELARRIGLERMRAN QELARRIGLERMRAN		QVVDNFWLVGPLE	KISAMEQTR <mark>F</mark> LLR KISAMEQTR <b>F</b> LLR	LAQGELPF LAQGELPF
OXA-50-like_VDL57163.1_P.a.	QELA <mark>RRIGL</mark> ER <mark>M</mark> RA1	N <mark>V</mark> SRLC <mark>YGNAEIG</mark>	Q <mark>V</mark> VDNFWLVGPLF	SISAMEQTR <b>F</b> LLR	<b>LA</b> QGE <b>LP</b> F
OXA-50-like_ALZ29437.1_P.a. OXA-50-like_AON10100.1_P.a.	QELARRIGLERMRAN QELARRIGLERMRAN			CISAMEQTR <b>F</b> LLR CISAMEQTR <b>F</b> LLR	LAQGELPF LAOGELPF
OXA-50-like_AON16083.1_P.a. OXA-50-like_AON22092.1_P.a.	QELARRIGLERMRAN QELARRIGLERMRAN			ISAMEQTRELLR	LAQGE <mark>LP</mark> F LAQGELPF
OXA-50-like_AON28079.1_P.a.	QELAR <mark>RIGL</mark> ER <mark>M</mark> RA1	N <mark>V</mark> SRLC <mark>YGNAEIG</mark>	Q <mark>∨vdnfwlvgpl</mark> i	ISAMEQTR <mark>F</mark> LLR	<b>LA</b> QGE <b>LP</b> F
OXA-50-like_AON34087.1_P.a. OXA-50-like_AON40072.1_P.a.	QELARRIGLERMRAN QELARRIGLERMRAN				
OXA-50-like_AON46078.1_P.a. OXA-50-like_AON52080.1_P.a.	QELARRIGLERMRAN QELARRIGLERMRAN		Q <mark>V</mark> VD <b>NFWLVGPL</b> F		LAQGE <mark>LP</mark> F LAQGELPF
OXA-50-like_ARG47835.1_P.a.	QELAR <mark>RIGL</mark> ER <mark>M</mark> RA1	N <mark>VSRLCYGN AEIG</mark>	Q <mark>V</mark> VD <b>NFWLVGPL</b> F	SISAMEQTR <mark>F</mark> LLR	<b>LA</b> QGE <mark>LP</mark> F
OXA-50-like_ASP05026.1_P.a. OXA-50-like_ASP13070.1_P.a.	QELARRIGLERMRAN QELARRIGLERMRAN			KISAMEQTR <b>F</b> LLR KISAMEQTR <b>F</b> LLR	
$OXA-50-like\_AVE36468.1\_P.a.$	QELARRIGLERMRAN QELARRIGLERMRAN	N <mark>VSRLCYGN AEIG</mark>	Q <mark>V</mark> VD <b>NFWLVGPL</b> F	KISAMEQTR <mark>F</mark> LLR	<b>LA</b> QGE <mark>LP</mark> F
OXA-50-like_AXL80491.1_P.a. OXA-50-like_QDR05681.1_P.a.	QELA <mark>rrigl</mark> er <mark>m</mark> rai	N <mark>VSRLCYGN AEIG</mark>	Q <mark>∨vdnfwlvgpl</mark> i	SISAMEQTR <mark>F</mark> LLR	LAQGELPF LAQGE <mark>LP</mark> F
OXA-50-like_QGJ36847.1_P.a. OXA-50-like_QKG35875.1_P.a.	QELARRIGLERMRAN QELARRIGLERMRAN				
OXA-50-like_QKR24763.1_P.a. OXA-50-like_QOQ64022.1 P.a.	QELARRIGLERMRAN QELARRIGLERMRAN	N <mark>V</mark> SRLCY <mark>GN AEIG</mark>			
OXA-50-like_QQD36200.1_P.a.	QELARRIGLERMRA1	N <mark>VSRLC</mark> Y <mark>GNAEIG</mark>	VVDNFWLVGPLE	KISAMEQTR <mark>F</mark> LLR	<b>LA</b> QGE <b>LP</b> F
OXA-50-like_AON75377.1_P.a. OXA-50-like_QDY03768.1_P.a.	QELARRIGLERMRAN QELARRIGLERMRAN			CISAMEQTR <b>F</b> LLR CISAMEQTR <b>F</b> LLR	
OXA-50-like_QPP46609.1_P.a.	QELARRIGLERMRAN QELARRIGLERMRAN		7 THE THE THE TOTAL	KISAMEQTR <mark>F</mark> LLR KISAMEOTRFLLR	
OXA-50-like_Q1229678.1_P.a. OXA-50-like_QKR77815.1_P.a.	QELARRIGLERMRAI	OVSRLCYGN AEIG	<b>VVDNFWLVGPL</b>	SISAMEQTR <b>F</b> LLR	LAQGELPF
OXA-50-like_AMA40693.1_P.a. OXA-50-like_QKE99620.1_P.a.	QELARRIGLERMRA1 QELARRIGLERMRA1	NVSRLGYGN AEIG( NVSRLGYGN AEIG(	QAVDNFWLVGPLE QAVDNFWLVGPLE	KISAMEQTR <b>F</b> LLR KISAMEQTR <b>F</b> LLR	LAQGELPF LAQGELPF
OXA-50-like_AVZ37799.1_P.a. OXA-50-like ASA32790.1 P.a.	OELARRIGLERMHA1	NVSRLCYGNAEIGO	<b>DAVDNFWLVGPL</b>	ISAMEOTRELLR	LAOGELPF
OXA-50-like_ASD07216.1_P.a.	QELARRIGLERMRAI QELARRIGLERMRAI	VSRLCYGN AEIG	VVDNFWLVGPL	ISAMEQTRELLR	LAQGELPF
OXA-50-like_VDL31009.1_P.a. OXA-50-like_VDL53067.1_P.a.	QELARRIGLERMRAN QELARRIGLERMRAN QELARRIGLERMRAN	NVSRLGYGN AEIG NVSRLGYGN AEIG	OVADNE MTAGETE	ISAMEQIRFLLR ISAMEQTRFLLR	LAQGELPF LAQGELPF
OXA-50-like_AYF72086.1_P.a. OXA-50-like AYQ83944.1 P.a.	QELARRIGLERMRAN QELARRIGLERMRAN	N <mark>VSRLGYGNAEIG</mark> NVSRLGYGNAEIG	Q <mark>V</mark> VDNFWLVGPLF OVVDNFWLVGPLF	CISAMEQTR <mark>E</mark> LLR	LAQGELPF LAQGELPF
OXA-50-like_AYR15974.1_P.a.	QELARRIGLERMRA1 QELARRIGLERMRA1	NVSRLGYGN AEIG	QVVDNFWLVGPLE	KISAMEQTR <b>F</b> LLR	LAQGELPF
OXA-50-like_AZN03541.1_P.a. OXA-50-like_AZN09267.1_P.a.	QELARRIGLERMRA1	NVSRLCYGN AEIG	O <mark>V</mark> VDNFWLVGPLF	ISAMEQTR <b>F</b> LLR	LAQGELPF
OXA-50-like_AZN16304.1_P.a. OXA-50-like_AZN49449.1_P.a.	QELARRIGLERMRA1 QELARRIGLERMRA1	N <mark>VSRLGYGNAEIG</mark> NVSRLGYGNAEIG	Q <mark>VVDNFWLVGPL</mark> OVVDNFWLVGPL	KISAMEQTR <mark>F</mark> LLR KISAMEOTRFLLR	LAQGELPF LAOGELPF
$OXA-50-like\_AZN54830.1\_P.a.$	QELARRIGLERMRA1	NVSRLCYGN AEIG	QVVDNFWLVGPL	ISAMEQTR <b>F</b> LLR	LAQGELPF
OXA-50-like_AZN61319.1_P.a. OXA-50-like_QPZ71933.1_P.a.	QELARRIGLERMRA1 QELARRIGLERMRA1	NVSRLGYGNAEIG NVSRLGY <mark>GNAEIG</mark>	OVDNEWTAGETE	ISAMEQIRFLLR ISAMEQTR <mark>F</mark> LLR	LAQGELPF LAQGELPF
OXA-50-like_QQM09528.1_P.a. OXA-50-like_AVN44779.1_P.a.	OELARRIGLERMRAN OELARRIGLERMRAN	NVSRLCYGNAEIG( NVSRLCYGNAEIG	QVVDNFWLVGPLE OVVDNFWLVGPLE	KISAMEQTR <mark>F</mark> LLR KISAMEOTRFLLR	LAQGELPF LAOGELPF
OXA-50-like_QKR65469.1_P.a.	QELARRIGLERMRAN QELARRIGLERMRAN QELARRIGLERMRAN	NVSRLCYGNAEIG	OVVDNFWLVGPLE	KISAMEQTR <b>F</b> LLR	LAQGELPF
OXA-50-like_AYW63307.1_P.a. OXA-50-like_QPZ65977.1_P.a.	QELARRIGLERMRAI QELARRIGLERMRAI	NVSRLGIGNAEIG NVSRLGY <mark>GNAEIG</mark>	OALMTAGETE	KISAMEQIRFILK KISAMEQTR <mark>F</mark> LLR	LAQGELPF LAQGELPF
OXA-50-like_QHF92313.1_P.a. OXA-50-like_AZM83163.1_P.a.	QELARRIGLERMRAN QELARRIGLERMRAN	NVSRLSYGN AEIG( NVSRLSYGN AEIG(	QVVDNFWLVGPLI OVVDNFWLVGPLI	KISAMEQTR <b>F</b> LLR KISAMEOTRFLLR	LAQGELPF LAOGELPF
OXA-50-like_ALY58484.1_P.a.	QELAQRIGLERMRA1 QELARRIGLERMRA1	NVSRLCYGNAEIG	OVVDNEWLVGPLE	ISAMEQTRELLR	LAQGELPF
OXA-50-like_AHA19368.1_P.a. OXA-50-like_ALE51523.1_P.a.	OELARRIGLERMRA1	NVSRLCYGN AEIG	OVVDNFWLVGPLE	ISAMEOTR <b>F</b> LLR	LAOGELPF
OXA-50-like_ALY50692.1_P.a. OXA-50-like_ALY86245.1_P.a.	QELARRIGLERMRA1 QELARRIGLERMRA1	NVSRLCYGNAEIGO NVSRLCYGNAEIGO	Q∨VDNFWLVGPLE OVVDNFWLVGPLE	LISAMEQTR <b>F</b> LLR ISAMEOTR <b>F</b> LLR	LAQGELPF LAQGELPF
OXA-50-like_ALZ22498.1_P.a. OXA-50-like_AOP60986.1_P.a.	OELARRIGLERMRA1	NVSRLCYGN AEIG	OVVDNFWLVGPLE	ISAMEOTR <b>F</b> LLR	LAOGELPF
OXA-50-like_ASD00726.1_P.a.	QELARRIGLERMRA1 QELARRIGLERMRA1	NVSRLCYGN AEIG	OVVDNFWLVGPL	ISAMEQTRELLR	LAQGE LP F
OXA-50-like_AXR31931.1_P.a. OXA-50-like_AYW76172.1_P.a.	QELARRIGLERMRA1 QELARRIGLERMRA1	NVSRLCYGNAEIGO NVSRLCYGNAEIGO	QV <mark>VDNFWLVGP</mark> LF QVVDNFWL <u>VGP</u> LF	ISAMEQTR <b>F</b> LLR ISAMEQTR <b>F</b> LLR	LAQGELPF LAQGELPF
OXA-50-like_QAS76324.1_P.a.	QELARRIGLERMRAN QELARRIGLERMRAN QELARRIGLERMRAN	NVSRLCYGNAEIG	OVVDNFWLVGPL	ISAMEOTRELLR	LAQGELPF
OXA-50-like_QDD38928.1_P.a. OXA-50-like_QES85928.1_P.a.	QELARRIGLERMRAN QELARRIGLERMRAN QELARRIGLERMRAN	NVSRLCYGNAEIG	QVVDNFWLVGPLF	ISAMEQTRELLR	LAQGE LP F
OXA-50-like_QJH86618.1_P.a. OXA-50-like_QKK88642.1_P.a.	OELARRIGLERMRA1	NVSRLCYGN AEIG	OVVDNFWLVGPLE	ISAMEOTR <b>F</b> LLR	LAOGELPF
OXA-50-like_QKR30875.1_P.a. OXA-50-like_QKR36250.1_P.a.	ÕELARRIGLERMRA1 QELARRIGLERMRA1	NVSRLC <mark>YGNAEIG</mark> NVSRLCYGNAEIG	OVVDNEWLVGPLE	ISAMEQTRELLR	LAQGELPF
OAR-30-11KE_QAK3023U.1_F.a.	Shraw vra err kmk vi	ANDER TON TELE	N A DEL MEARET	итомивотка ррк	



0	α8 0 0 0 0 0 0 0 0 0 0	β3 β4 → <b>T T</b> →	β5	β6	β7
180	190	200	210	220	230
OXA-50-like_QGQ00241.1_P.a. PA	P <mark>VQ</mark> ST <mark>V</mark> RAMTI P <mark>VQ</mark> ST <mark>V</mark> RAMTI	LESGP <mark>G</mark> WEL:	H <mark>GKTGV</mark> CFDC1	IPEL <mark>GW</mark> WV <mark>GWV</mark> KRNI I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI	E.RLYG <b>FALN</b> ID <mark>M</mark> P
OXA-50-like_QQW19268.1_P.a. PA OXA-50-like_QQW06309.1_P.a. PA				I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI I <b>P</b> EL <b>GW</b> WV <b>GWV</b> KRNI	E.RLYG <mark>FALN</mark> ID <mark>M</mark> P E.RLYG <b>FALN</b> ID <b>M</b> P
	P <mark>VQ</mark> ST <mark>V</mark> RAMTI P <b>VQ</b> STVRAMTI		H <mark>GKTGV</mark> CFDC1	I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI I <b>P</b> EL <b>GW</b> WV <b>GWV</b> KRNI	
OXA-50-like_QNE62162.1_P.a. PA	P <b>VQ</b> ST <b>V</b> RAMTI	LESGP <mark>G</mark> WEL	H <mark>G KTG V</mark> CFDC:	IPELGWWVGWVKRNI IPELGWWVGWVKRNI	E.RLYG <mark>FALN</mark> ID <mark>M</mark> P
OXA-50-like_QLF18710.1_P.a. PA		LESGP <mark>G</mark> WEL:	H <mark>G KTG V</mark> CF <b>D</b> C:	T <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI	E.RLYG <b>FALN</b> ID <mark>M</mark> P
OXA-50-like_QEK46239.1_P.a. PA OXA-50-like_QJA41232.1_P.a. PA	P <mark>VQ</mark> ST <mark>V</mark> RAMTI	LESGP <mark>G</mark> WEL:		IPEL <mark>GW</mark> WV <mark>GWV</mark> KRNI I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI	E.RLYG <b>FALN</b> ID <b>M</b> P
	P <mark>VQ</mark> ST <mark>V</mark> RAMTI P <b>VQ</b> ST <b>V</b> RAMTI			I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI I <b>P</b> EL <b>GW</b> WV <mark>GWV</mark> KRNI	E.RLYG <b>FALN</b> ID <mark>M</mark> P E.RLYG <b>FALN</b> ID <b>M</b> P
OXA-50-like_AYW69566.1_P.a. PA OXA-50-like_AYZ45913.1_P.a. PA	P <mark>VQ</mark> ST <mark>V</mark> RAMTI P <b>VQ</b> STVRAMTI	LESGP <mark>G</mark> WEL: LESGP <b>G</b> WEL:		I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI I <b>P</b> EL <b>GW</b> WV <b>GWV</b> KRNI	E.RLYG <mark>FALN</mark> ID <mark>M</mark> P E.RLYG <b>FALN</b> ID <b>M</b> P
OXA-50-like_AYK26584.1_P.a. PA		LESGP <mark>G</mark> WEL	H <mark>G KTG V</mark> CFDC:		E.RLYG <b>FALN</b> ID <mark>M</mark> P
OXA-50-like_AUA80490.1_P.a. PA	P <mark>VQ</mark> ST <mark>V</mark> RAMTI	LESGP <mark>G</mark> WEL:	H <mark>GKTGV</mark> CF <b>D</b> C'	T <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI	E.RLYG <mark>FALN</mark> ID <mark>M</mark> P
OXA-50-like_AVR86641.1_P.a. PA	PVQSTVRAMTI P <mark>VQ</mark> ST <mark>V</mark> RAMTI	LESGP <mark>G</mark> WEL:		I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI	E.RLYG <mark>FALN</mark> ID <mark>M</mark> P
OXA-50-like_AXS75147.1_P.a. PA OXA-50-like_ALS13221.1_P.a. PA	P <b>VQ</b> ST <b>V</b> RAMTI	LESGP <mark>G</mark> WEL:	H <mark>G KTG V</mark> CF <b>D</b> C:	T <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI	E.RLYG <b>FALN</b> IDMP E.RLYG <mark>FALN</mark> IDMP
	P <mark>VQ</mark> ST <mark>V</mark> RAMTI P <b>VQ</b> ST <b>V</b> RAMTI			I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI I <b>P</b> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI	E.RLYG <b>FALN</b> ID <b>M</b> P E.RLYG <b>FALN</b> ID <b>M</b> P
OXA-50-like_APB68390.1_P.a. PA	P <mark>VQ</mark> ST <mark>V</mark> RAMTI P <b>VQ</b> STVRAMTI	LESGP <mark>G</mark> WEL	H <mark>GKTGV</mark> CFDC1		E.RLYG <b>FALN</b> ID <mark>M</mark> P
OXA-50-like_ARJ01367.1_P.a. PA	P <mark>VQ</mark> ST <mark>V</mark> RA <mark>M</mark> TI	LESGP <mark>G</mark> WEL	H <mark>GKTGV</mark> CFDC:	I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI	E.RLYG <mark>FALN</mark> ID <mark>M</mark> P
	P <b>VQ</b> ST <b>V</b> RAMTI	LESGP <mark>G</mark> WEL:	H <mark>GKTGV</mark> CFDC1		E.RLYG <mark>FALN</mark> ID <mark>M</mark> P
OXA-50-like_ATH06157.1_P.a. PA		LESGP <mark>G</mark> WEL:	H <mark>G KTG V</mark> CFDC:	I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI	
	P <mark>VO</mark> ST <mark>V</mark> RAMTI P <b>VO</b> STVRAMTI			T <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI	E.RLYG <mark>FALN</mark> ID <mark>M</mark> P E.RLYG <b>FALN</b> ID <b>M</b> P
OXA-50-like_VDL11569.1_P.a. PA	P <mark>VQ</mark> ST <mark>V</mark> RAMTI P <b>VQ</b> STVRAMTI	LESGP <mark>G</mark> WEL	H <mark>G KTG V</mark> CF <b>D</b> C:	TPEL <mark>GW</mark> WV <mark>GWV</mark> KRNI T <b>P</b> EL <b>GW</b> WV <b>GWV</b> KRNI	E.RLYG <mark>FALN</mark> ID <mark>M</mark> P
OXA-50-like_VDL56340.1_P.a. PA	P <mark>VQ</mark> ST <mark>V</mark> RAMTI	LESGP <mark>G</mark> WEL:	H <mark>GKTGV</mark> CFDC1	I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI	E.RLYG <mark>FALN</mark> ID <mark>M</mark> P
OXA-50-like_ALZ29437.1_P.a. PA	P <b>VQ</b> ST <b>V</b> RAMTI	LESGP <mark>G</mark> WEL		I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI	E.RLYG <mark>FALN</mark> ID <mark>M</mark> P
OXA-50-like_AON10100.1_P.a. PA OXA-50-like_AON16083.1_P.a. PA		LESGP <mark>G</mark> WEL: LESGP <b>G</b> WEL:		IPEL <mark>GW</mark> WV <mark>GWV</mark> KRNI I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI	
	P <mark>VQ</mark> ST <mark>V</mark> RA <mark>M</mark> TI P <b>VQ</b> STVRAMTI		H <mark>GKTG</mark> VCFDC1	T <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI	E.RLYG <mark>FALN</mark> ID <mark>M</mark> P E.RLYG <b>FALN</b> ID <b>M</b> P
OXA-50-like_AON34087.1_P.a. PA	P <mark>VQ</mark> ST <mark>V</mark> RA <mark>M</mark> TI	LESGP <mark>G</mark> WEL	H <mark>GKTGV</mark> CF <b>D</b> C'		E.RLYG <mark>FALN</mark> ID <mark>M</mark> P
OXA-50-like_AON46078.1_P.a. PA	P <mark>VQ</mark> ST <mark>V</mark> RA <mark>M</mark> TI	LESGP <mark>G</mark> WEL	H <mark>GKTGV</mark> CFDC1	I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI	E.RLYG <mark>FALN</mark> ID <mark>M</mark> P
	P <b>VQ</b> ST <b>V</b> RAMTI	LESGP <mark>G</mark> WEL	H <mark>G KTG V</mark> CFDC1	IPEL <mark>GW</mark> WV <mark>GWV</mark> KRNI I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI	E.RLYG <mark>FALN</mark> ID <mark>M</mark> P
	P <mark>VQ</mark> ST <mark>V</mark> RAMTI P <b>VQ</b> ST <mark>V</mark> RAMTI	LESGP <mark>G</mark> WEL: LESGP <b>G</b> WEL:			E.RLYG <b>FALN</b> IDMP E.RLYG <b>FALN</b> IDMP
OXA-50-like_AVE36468.1_P.a. PA OXA-50-like_AXL80491.1_P.a. PA		LESGP <mark>G</mark> WEL: LESGP <b>G</b> WEL:	H <mark>GKTGV</mark> CFDC: H <b>GKTGV</b> CFDC:	I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI I <b>P</b> EL <b>GW</b> WV <mark>GWV</mark> KRNI	
OXA-50-like_QDR05681.1_P.a. PA		LESGP <mark>G</mark> WEL	H <mark>GKTGV</mark> CF <b>D</b> C'	I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI I <b>P</b> EL <b>GW</b> WV <b>GWV</b> KRNI	E.RLYG <b>FALN</b> ID <mark>M</mark> P
OXA-50-like_QKG35875.1_P.a. PA	P <mark>VQ</mark> ST <mark>V</mark> RAMTI	LESGP <mark>G</mark> WEL	H <mark>GKTG</mark> VCFDC1	T <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI	E.RLYG <mark>FALN</mark> ID <mark>M</mark> P
OXA-50-like_QOQ64022.1_P.a. PA	P <mark>VQ</mark> ST <mark>V</mark> RAMTI		H <mark>GKTG</mark> VCFDC1	I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI	E.RLYG <mark>FALN</mark> ID <mark>M</mark> P
	P <b>VQ</b> ST <b>V</b> RAMTI		H <mark>G KTG V</mark> CF <b>D</b> C:	T <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI	E.RLYG <b>FALN</b> ID <b>M</b> P E.RLYG <b>FALN</b> ID <b>M</b> P
OXA-50-like QPP46609.1 P.a. PA	P <mark>VQ</mark> ST <mark>V</mark> RAMTI P <mark>VQ</mark> ST <mark>V</mark> RAMTI	LESGP GWEL:	HGKTG VCFDC	T <b>P</b> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI	E . RLYG <b>FALN</b> ID <b>M</b> P E . RLYG <b>FALN</b> ID <b>M</b> P
				I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI I <b>P</b> EL <b>GW</b> WV <b>GWV</b> KRNI	
OXA-50-like_AMA40693.1_P.a. PA	P <b>VQ</b> ST <b>V</b> RAMTI	LESGP <mark>G</mark> WEL:	H <mark>G KTG V</mark> CF <b>D</b> C:	I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI I <b>P</b> EL <b>GW</b> WV <b>GWV</b> KRNI	E.RLYG <b>FALN</b> ID <b>M</b> P
OXA-50-like_AVZ37799.1_P.a. PA	P <mark>VQ</mark> ST <mark>V</mark> RA <mark>M</mark> TI	LESGP <mark>G</mark> WEL:	H <mark>G KTG V</mark> CF <b>D</b> C'	TPELGWWVGWVKRNI TPELGWWVGWVKRNI	E.RLYG <b>FALN</b> ID <mark>M</mark> P
OXA-50-like_ASD07216.1_P.a. PA	P <mark>VQ</mark> ST <mark>V</mark> RA <mark>M</mark> TI	LESGP <mark>G</mark> WEL:	H <mark>G KTG V</mark> CFDC:	I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI	E.RLYG <b>FALN</b> ID <b>M</b> P
OXA-50-like_VDL53067.1_P.a. PA	P <mark>VQ</mark> ST <mark>V</mark> RA <mark>M</mark> TI	LESGP <mark>G</mark> WEL:	H <mark>G KTG V</mark> CFDC1	IPEL <mark>GW</mark> WV <mark>GWV</mark> KRNI I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI	E.RLYG <mark>FALN</mark> ID <mark>M</mark> P
				I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI I <b>P</b> EL <b>GW</b> WV <b>GWV</b> KRNI	
OXA-50-like_AYR15974.1_P.a. PA OXA-50-like AZN03541.1 P.a. PA	P <mark>VQ</mark> ST <mark>V</mark> RA <mark>M</mark> TI PVOSTVRAMTI	LESGP <mark>G</mark> WEL: LESGP <b>G</b> WEL:	H <mark>GKTG</mark> VCFDC: HGKTGVCFDC:	I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI I <b>P</b> EL <b>GW</b> WV <b>GWV</b> KRNI	E.RLYG <mark>FALN</mark> ID <mark>M</mark> P E.RLYG <b>FALN</b> IDMP
OXA-50-like_AZN09267.1_P.a. PA	P <b>VQ</b> ST <mark>V</mark> RA <mark>M</mark> TI	LESGP <mark>G</mark> WEL:	H <mark>G KTG V</mark> CFDC1	I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI I <b>P</b> EL <b>GW</b> WV <b>GWV</b> KRNI	E.RLYG <b>FALN</b> ID <b>M</b> P
OXA-50-like_AZN49449.1_P.a. PA	P <mark>VQ</mark> ST <mark>V</mark> RA <mark>M</mark> TI	LESGP <mark>G</mark> WELI	H <mark>G KTG V</mark> CFDC'	TPELGWWVGWVKRNI TPELGWWVGWVKRNI	E.RLYG <mark>FALN</mark> ID <mark>M</mark> P
OXA-50-like AZN61319.1 P.a. PA	PVOSTVRAMTI	LESGPGWEL	HCKTC VCFDC	TPEL <mark>GW</mark> WV <mark>GWV</mark> KRNE	E. RIYG <b>FALN</b> IDMP
OXA-50-like_QPZ71933.1_P.a. PA OXA-50-like_QQM09528.1_P.a. PA	P <b>VQ</b> STVRAMTI P <mark>VQ</mark> ST <mark>V</mark> RTMTI	LESGP <b>G</b> WEL: LESGP <b>G</b> WEL:	HCKTGVCFDC: H <mark>CKTGV</mark> CFDC:	I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI I <b>P</b> EL <b>GW</b> WV <b>GWV</b> KRNI	E.RLYG <b>FALN</b> IDMP E.RLYG <b>FALN</b> ID <mark>M</mark> P
OXA-50-like_AVN44779.1_P.a. PA OXA-50-like_QKR65469.1_P.a. PA	P <mark>VQ</mark> ST <mark>V</mark> RAMTI P <b>VO</b> STVRAMTI	LESGQ <mark>G</mark> WEL: LESGQ <b>G</b> WEL:	H <mark>GKTGV</mark> CFDC: H <b>GKTGV</b> CFDC:	IPEL <mark>GW</mark> WV <mark>GWV</mark> KRNI I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI	E.RLYG <mark>FALN</mark> ID <mark>M</mark> P E.RLYG <b>FALN</b> ID <b>M</b> P
OXA-50-like_AYW63307.1_P.a. PA	P <mark>VQ</mark> ST <mark>V</mark> RA <mark>M</mark> TI	LESGP <mark>G</mark> WEL:	H <mark>GKTGV</mark> CFDC1	I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI I <b>P</b> EL <b>GW</b> WV <b>GWV</b> KRNI	E.RLYG <b>FALN</b> ID <mark>M</mark> P
OXA-50-like_QHF92313.1_P.a. PA	P <mark>VQ</mark> ST <mark>V</mark> RA <mark>M</mark> TI	LESGP <mark>G</mark> WEL:	H <mark>G KTG V</mark> CFDC:	TPELGWWVGWVKRNI TPELGWWVGWVKRNI	E.RLYG <b>FALN</b> ID <b>M</b> P
OXA-50-like_ALY58484.1_P.a. PA	P <b>VQ</b> ST <b>V</b> RAMTI	LESGP <mark>G</mark> WEL:	H <mark>GKTG</mark> VCFDC'	I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI	E.RLYG <mark>FALN</mark> ID <mark>M</mark> P
OXA-50-like_ALE51523.1_P.a. PA	P <mark>VQ</mark> ST <mark>V</mark> RA <mark>M</mark> TI	LESGP <mark>G</mark> WEL:	H <mark>GKTGV</mark> CFDC1	IPEL <mark>GW</mark> WV <mark>GWV</mark> KRNI I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI	E.RLYG <b>FALN</b> ID <mark>M</mark> P
OXA-50-like_ALY86245.1_P.a. PA	P <mark>VQ</mark> ST <mark>V</mark> RA <mark>M</mark> TI	LESGP <mark>G</mark> WEL:	H <mark>GKTGV</mark> CFDC1	IPEL <mark>GW</mark> WV <mark>GWV</mark> KRNI I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI	E.RLYG <b>FALN</b> ID <b>M</b> P
OXA-50-like_ALZ22498.1_P.a. PA	P <mark>VQ</mark> ST <mark>V</mark> RA <mark>M</mark> TI	LESGP <mark>G</mark> WEL:	H <mark>GKTGV</mark> CFDC1	I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI I <b>P</b> EL <b>GW</b> WV <b>GWV</b> KRNI	E.RLYG <b>FALN</b> ID <mark>M</mark> P
OXA-50-like_ASD00726.1_P.a. PA	P <mark>VQ</mark> ST <mark>V</mark> RA <mark>M</mark> TI	LESGP <mark>G</mark> WEL:	H <mark>GKTGV</mark> CFDC1	IPELGWWVGWVKRNI IPELGWWVGWVKRNI	E.RLYG <mark>FALN</mark> ID <mark>M</mark> P
OXA-50-like AYW76172.1 P.a. PA	PVOSTVRAMTI	LESGP CWELL	HCKTG OCEDC	TPELGWWVGWVKRNI	E. RIYG <b>FALN</b> IDMP
OXA-50-like_QDD38928.1_P.a. PA	P <b>VQ</b> ST <b>V</b> RA <b>M</b> TI	LESGP <b>G</b> WEL:	H <mark>GKTG</mark> (CFDC)	IPEL <mark>GW</mark> WV <mark>GWV</mark> KRNI I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI	E.RLYG <mark>FALN</mark> ID <mark>M</mark> P
OXA-50-like_QJH86618.1_P.a. PA	P <mark>VQ</mark> ST <mark>V</mark> RA <mark>M</mark> TI	LESGP <mark>G</mark> WEL:	H <mark>GKTGV</mark> CFDC1	IPEL <mark>GW</mark> WV <mark>GWV</mark> KRNI I <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI	E.RLYG <mark>FALN</mark> ID <mark>M</mark> P
$OXA-50-like\_QKK88642.1\_P.a.$ PA	PVOSTVRAMTI	LESGP <b>G</b> WEL:	HCKTC (CFDC)	T <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI T <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI	E.RLYG <b>FALN</b> ID <b>M</b> P
OXA-50-like_QKR36250.1_P.a. PA	P <b>VQ</b> ST <b>V</b> RAMTI	LESGPGWEL	H <mark>C KTG </mark> 1CFDC	T <mark>P</mark> EL <mark>GW</mark> WV <mark>GWV</mark> KRNI	E.RLYG <b>FALN</b> ID <b>M</b> P



00000000000000 240 260 250  ${\tt OXA-50-like\_QQW22444.1\_P.a.}$ OXA-50-like QGQ00241.1 P.a. OXA-50-like QQW19268.1 P.a. OXA-50-like QQW06309.1 P.a. OXA-50-like\_QQW0509.1.P.a. OXA-50-like\_QPP39331.1\_P.a. OXA-50-like\_QPE39331.1\_P.a. OXA-50-like\_QNE62162.1\_P.a. OXA-50-like\_QLF44164.1\_P.a. OXA-50-like\_QLF18710.1\_P.a. OXA-50-like\_QEX46239.1\_P.a. OXA-50-like\_QJA41232.1\_P.a. OXA-50-like\_AYZ58090.1 P.a. OXA-50-like\_QDR20381.1\_P.a. OXA-50-like\_AYW69566.1\_P.a. OXA-50-like\_AYZ45913.1\_P.a. OXA-50-like\_AYK26584.1\_P.a. OXA-50-like\_ASM88695.1\_P.a. OXA-50-like\_AUA80490.1\_P.a. EL OXA-50-like\_AUB05120.1\_P.a. OXA-50-like\_AVR86641.1\_P.a. OXA-50-like\_AXS75147.1\_P.a. OXA-50-like\_ALS13221.1\_P.a. EL OXA-50-like\_ALY73377.1\_P.a. OXA-50-like\_ANA70339.1\_P.a. E L OXA-50-like\_APB68390.1\_P.a. OXA-50-like\_ARI94830.1\_P.a. EL OXA-50-like\_ARJ01367.1\_P.a. OXA-50-like\_ASA19039.1\_P.a. EL OXA-50-like\_AUA74232.1\_P.a. OXA-50-like\_QCC69374.1\_P.a. OXA-50-like\_ATH06157.1\_P.a. OXA-50-like\_AZZ14888.1\_P.a. EL OXA-50-like\_VDK95206.1\_P.a. OXA-50-like\_VDL11569.1\_P.a. E L OXA-50-like\_VDL54838.1\_P.a. OXA-50-like\_VDL56340.1\_P.a. OXA-50-like\_VDL57163.1\_P.a. OXA-50-like\_ALZ29437.1\_P.a. OXA-50-like\_AON10100.1\_P.a. OXA-50-like\_AON16083.1\_P.a. OXA-50-like\_AON22092.1\_P.a. OXA-50-like\_AON28079.1\_P.a. OXA-50-like\_AON34087.1\_P.a. OXA-50-like\_AON40072.1\_P.a. OXA-50-like\_AON46078.1\_P.a. OXA-50-like\_AON52080.1\_P.a. E L OXA-50-like\_ARG47835.1\_P.a. OXA-50-like\_ASP05026.1\_P.a. OXA-50-like\_ASP13070.1\_P.a. OXA-50-like\_AVE36468.1\_P.a. OXA-50-like\_AXL80491.1\_P.a. OXA-50-like\_QDR05681.1\_P.a. OXA-50-like\_QGJ36847.1\_P.a. OXA-50-like\_QKG35875.1\_P.a. OXA-50-like\_QKR24763.1\_P.a. OXA-50-like\_QOQ64022.1\_P.a. OXA-50-like\_QQD36200.1\_P.a. OXA-50-like\_AON75377.1\_P.a. OXA-50-like\_QDY03768.1\_P.a. OXA-50-like\_QPP46609.1\_P.a. EL OXA-50-like\_QFP46609.1\_P.a. OXA-50-like\_QKR77815.1\_P.a. OXA-50-like\_QKR77815.1\_P.a. OXA-50-like\_QKE9620.1\_P.a. OXA-50-like\_QKE99620.1\_P.a. OXA-50-like\_AVZ37799.1\_P.a. OXA-50-like\_ASZ37790.1\_P.a. OXA-50-like\_ASD07216.1\_P.a. OXA-50-like\_VDL31009.1\_P.a. OXA-50-like\_VDL53067.1\_P.a. OXA-50-like\_AYF72086.1\_P.a. OXA-50-like\_AYQ83944.1\_P.a. OXA-50-like\_AYR15974.1\_P.a. OXA-50-like\_AZN03541.1\_P.a. OXA-50-like\_AZN09267.1\_P.a. OXA-50-like\_AZN16304.1\_P.a. OXA-50-like\_AZN49449.1\_P.a. OXA-50-like\_AZN54830.1\_P.a. OXA-50-like\_AZN61319.1\_P.a. OXA-50-like\_QPZ71933.1\_P.a. OXA-50-like\_QQM09528.1\_P.a. OXA-50-like AVN44779.1 P.a. OXA-50-like\_QKR65469.1\_P.a. OXA-50-like\_AYW63307.1\_P.a. OXA-50-like\_QPZ65977.1\_P.a. OXA-50-like\_QHF92313.1\_P.a. OXA-50-like\_AZM83163.1\_P.a. OXA-50-like\_ALY58484.1\_P.a. OXA-50-like\_AHA19368.1\_P.a. OXA-50-like\_ALE51523.1\_P.a. OXA-50-like\_ALY50692.1\_P.a. OXA-50-like ALY86245.1 P.a. OXA-50-like\_ALZ22498.1\_P.a. OXA-50-like\_AOP60986.1\_P.a. OXA-50-like\_ACF00966.1\_F.a. OXA-50-like\_AXR31931.1\_F.a. OXA-50-like\_AXW76172.1\_F.a. OXA-50-like\_QAS76324.1\_F.a. OXA-50-like\_QDD38928.1\_F.a. OXA-50-like\_QDS85928.1\_F.a. OXA-50-like\_QJH86618.1\_P.a. OXA-50-like\_QKK88642.1\_P.a.

OXA-50-like\_QKR30875.1\_P.a. OXA-50-like\_QKR36250.1\_P.a.

$OXA-50-like_QKS42441.1_P.a.$	GGEADIGKRVELGKASLKALGILP
OXA-50-like_QPP27676.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_QPV54155.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_QPZ84995.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_ANP59968.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_QGQ06905.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_AXR14368.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_ALP57413.1_P.a.	GGEADIGKRVELGKASLKALGILP GGEADIGKRVELGKASLKALGILP
OXA-50-like_QKR41777.1_P.a. OXA-50-like_ALY36156.1_P.a.	
OXA-50-like_ALY52550.1_P.a.	GGEADIGKRVELGKASLKALGILP GGEADIGKRVELGKASLKALGILP
OXA-50-like ANI07822.1 P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_AWS88163.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_AXN29478.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like OBC08854.1 P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_QDD49249.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_QDR11871.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_QKP84324.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_QKR71283.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_QLA53973.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_QLD71620.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_QLD73935.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_QLD78684.1_P.a.	GGEADIGKRVELGKASLKALGILP
$OXA-50-like_QLF37576.1_P.a.$	GGEADIGKRVELGKASLKALGILP
OXA-50-like_AWT32452.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_AXZ92060.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_QII97759.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_QOE13519.1_P.a.	GGEADIGKRVELGKASLKALGILP GGEADIGKRVELGKASLKALGILP
OXA-50-like_QPN23057.1_P.a.	GGEADIGKRVELGKASLKALGILP GGEADIGKRVELGKASLKALGILP
OXA-50-like_QDR14302.1_P.a. OXA-50-like_ALZ16475.1_P.a.	GGEADIGKRVELGKASIKALGILP GGEADIGKRVELGKASIKALGILP
OXA-50-like_QKF04533.1_P.a.	GGEADIGKRVELGKASLKALGILP GGEADIGKRVELGKASLKALGILP
OXA-50-like_QNO22317.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like QQW12925.1 P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_AYZ81447.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like QKL16662.1 P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_QQW00026.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_ALV75159.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_ALY89963.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_ALY96872.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_AMX88486.1_P.a.	GGEADIGKRVELGKASLKALGILP
$OXA-50-like\_ARC82831.1\_P.a.$	GGEADIGKRVELGKASLKALGILP
$OXA-50-like\_ASD14027.1\_P.a.$	GGEADIGKRVELGKASLKALGILP
OXA-50-like_AYZ75988.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_QFZ61919.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_QKP90385.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_QKR47436.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_QKR53224.1_P.a. OXA-50-like_QKR59118.1_P.a.	GGEADIGKRVELGKASLKALGILP GGEADIGKRVELGKASLKALGILP
OXA-50-like_QLF25267.1_P.a.	GGEADIGKRVELGKASLKALGILP GGEADIGKRVELGKASLKALGILP
OXA-50-like_QPP21637.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_QQA85373.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_QRG72678.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_AYY40220.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_ALZ28576.1_P.a.	GGEADIGKRVELGKASLKALGILP
$OXA-50-like_QNQ04301.1_P.a.$	GGEADIGKRVELGKASLKALGILP
$OXA-50-like\_ALZ94285.1\_P.a.$	GGEADIGKRVELGKASLKALGILP
OXA-50-like_AMU04106.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_AOT37986.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_ASD20357.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_AVZ22774.1_P.a.	GGEADIGKRVELGKASLKALGILP GGEADIGKRVELGKASLKALGILP
OXA-50-like_AXC20842.1_P.a. OXA-50-like AYN84711.1 P.a.	GGEADIGKRVELGKASLKALGILP GGEADIGKRVELGKASLKALGILP
OXA-50-like_CRZ33166.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_QBF65101.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_QEF81401.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_QEF87414.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_QEF93418.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_QGM44151.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_QHI63098.1_P.a.	GGEADIGKRVELGKASLKALGILP
$OXA-50-like_QIB85902.1_P.a.$	GGEADIGKRVELGKASLKALGILP
$OXA-50-like_QKR06746.1_P.a.$	GGEADIGKRVELGKASLKALGILP
OXA-50-like_QKR13035.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_QKR18855.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_QKR83750.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_QLF31591.1_P.a. OXA-50-like_VDL04843.1_P.a.	GGEADIGKRVELGKASLKALGILP GGEADIGKRVELGKASLKALGILP
OXA-50-like_VDL04843.1_P.a. OXA-50-like_QCP80115.1_P.a.	GGEADIGKRVELGKASIKALGILP GGEADIGKRVELGKASIKALGILP
OXA-50-like_QEK88934.1_P.a.	GGEADIGKRVELGKASIKALGILP
OXA-50-like_ALU47404.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_ALC47404.1_F.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_QPZ59753.1_P.a.	GGEADIGKRVELGKASTKATGTLP
OXA-50-like_QFZ03142.1_P.a.	GGEADIGKRVELGKASLKALGILP GGEADIGKRVELGKASLKALGILP
OXA-50-like_QGG01915.1_P.a.	GGEADIGKRVELGKASLKALGILP
OXA-50-like_AUA86524.1_P.a.	GGEADIGKRVELSKASLKALGILP
OXA-50-like_AUA92615.1_P.a.	GGEADIGKRVELSKASLKALGILP GGEADIGKRVELSKASLKALGILP
4JF4_Beta-lactamase	.SEMPASIRNELLMK <mark>SLKQL</mark> NII.
acc	

4ZDX_Beta-lactamase			α1 20000000000	β1
4ZDX_Beta-lactamase	1 10 MNIKTLLLITS	20 30 AIFISACSPYIVTANPNHS	•	50 60 VHTTGVLVIQQGQ VHTTGVLVIQQGQ
OXA-51-like_QLB35675.1_A.b. OXA-51-like_AUT37227.1_A.b.		AIFISACSPYIVTANPNHS AIFISACSPYIVTANPNHS		VHTTGVLVIQQGQ VHTTGVLVIQQGQ
OXA-51-like_QJF39460.1_A.b. OXA-51-like_QLI40100.1_A.b.		AIFISACSPYIVTANPNHS AIFISACSPYIVTANPNHS		
OXA-51-like_ARG36573.1_A.b. OXA-51-like_ASO71619.1_A.b.	MNIKA <mark>LLLITS</mark>	AIFISACSPYIVTANPNHS AIFISACSPYIVTANPNHS	ASKSDE <mark>KGEKIKNLFNE</mark>	AHTTGVLVIQQGQ
OXA-51-like_AVP34890.1_A.b.	MNIKALLLITS	A <mark>IFISACSPYIV</mark> TA <mark>NPNHS</mark>	ASKSDE <mark>KGEKIKNLFNE</mark>	AHTTGVLVI QQGQ
OXA-51-like_QCR89674.1_A.b. OXA-51-like_QJH20957.1_A.b.		AIFISACSPYIVTANPNHS AIFISACSPYIVTANPNHS	ASKSDE <mark>KGEKIKNLFNE</mark>	AHTTGVLVIQQGQ
OXA-51-like_QMS82274.1_A.b. OXA-51-like_QCT16238.1 A.b.		AIFISACSPYIVTANPNHS AIFISACSPYIVTANPNHS		
OXA-51-like_AVF07049.1_A.b. OXA-51-like_AVF08644.1_A.b.	MNIKALLLITS	AIFISACSPYIVTANPNHS AIFISACSPYIVTANPNHS	A <mark>SKSDE</mark> K <mark>AEKIKNLFNE</mark>	AHTTGVLVIQQGQ
OXA-51-like_QBR77846.1_A.b.	MNIKALLLITS	TIFISACSPYIVTANPNHS	TSKSD <mark>EK</mark> AEKIKNLFNE	
OXA-51-like_QBR79997.1_A.b. OXA-51-like_ABO11944.2_A.b.	MNIKA <mark>LLLITS</mark>	TIFISACSPYIVTANPNHS AIFISACSPYIVTANPNHS	A <mark>sksde</mark> k <mark>aekiknlfne</mark>	AHTTGVLVIQQGQ
OXA-51-like_AGH35408.1_A.b. OXA-51-like_BBT49379.1_A.b.		AIFISACSPYIVTANPNHS AIFISACSPYIVTANPNHS		
OXA-51-like_QAB40708.1_A.b. OXA-51-like_QDQ60454.1_A.b.		AIFISACSPYIVTANPNHS AIFISACSPYIVTANPNHS		
OXA-51-like_QKY23678.1_A.b. OXA-51-like_QLI36478.1_A.b.	MNIKALLLITS	AIFISACSPYIVTANPNHS AIFISACSPYIVTANPNHS	ASKSDE <mark>KAEKIKNLFNE</mark>	AHTTGVLVIQQGQ
OXA-51-like_QNT82744.1_A.b.	MNIKALLLITS	A <mark>IFISACSPYIV</mark> TA <mark>NPNHS</mark>	ASKSDE <mark>KAEKIKNLFNE</mark>	AHTTGVLVIQQGQ
OXA-51-like_APX50552.1_A.b. OXA-51-like_QER37219.1_A.b.	MNIKALLLITS	AIFISACSPYIVTANPNHS AIFISACSPYIVTANPNHS	ASKSDE <mark>KAEKIKNLFNE</mark>	AHTTGVLVIQQGQ
OXA-51-like_QLF06531.1_A.b. OXA-51-like_AGQ06390.1_A.b.		AIFISACSPYIVTANPNHS AIFISACSPYIVSANPNHS		
OXA-51-like_QCP28577.1_A.b. OXA-51-like AIY37715.2 A.b.	MNIKALLLITS	AIFISACSPYIV <mark>SA</mark> NPNHS AIFISACSPYIVSANPNHS	ASKSDE <mark>KAEKIKNLFNE</mark>	AHTTGVLVI QQGQ
OXA-51-like_APO58838.1_A.b. OXA-51-like_AXX43643.1_A.b.	MNIKALLLITS	AIFISACSPYIVSANPNHS AIFISACSPYIVSANPNHS	ASKSDE <mark>KAEKIKNLFNE</mark>	AHTTGVLVIQQGQ
OXA-51-like_QBY14110.1_A.b.	MNIKALLLITS	A <mark>IFISACSPYIV</mark> SA <mark>NPNHS</mark>	ASKSDEKAEKIKNLFNE	AHTTGVLVIQQGQ
OXA-51-like_QCP23393.1_A.b. OXA-51-like_QJG76604.1_A.b.	MNIKA <mark>LLLITS</mark>	AIFISACSPYIVSANPNHS AIFISACSPYIVSANPNHS	ASKSD <mark>E</mark> K <mark>AEKIKNLFNE</mark>	AHTTGVLVIQQGQ
OXA-51-like_QJG80512.1_A.b. OXA-51-like_QJG83258.1_A.b.		AIFISACSPYIVSANPNHS AIFISACSPYIVSANPNHS		
OXA-51-like_QJP37521.1_A.b. OXA-51-like_ARG37991.1_A.b.		AIFISACSPYIVSANPNHS AIFISACSPYIVSANPNHS		
OXA-51-like_AMN01331.1_A.b. OXA-51-like_ARN31023.1_A.b.	MNIKA <mark>LLLITS</mark>	AIFISACSPYIVSANPNHS AIFISACSPYIVSANPNHS	ASKSDE <mark>KAEKIKNLFNE</mark>	AHTTGVLVIQQGQ
OXA-51-like_QDM66466.1_A.b.	MNIKALLLITS	A <mark>IFISACSPYIV</mark> SA <mark>NPNHS</mark>	ASKSDEKAEKIKNLFNE	AHTTGVLVIQQGQ
OXA-51-like_QEY04089.1_A.b. OXA-51-like_QFQ05250.1_A.b.	MNIKALLLITS	AIFISACSPYIVSANPNHS AIFISACSPYIVSANPNHS	ASKSDE <mark>KAEKIKNLFNE</mark>	AHTTGVLVIQQGQ
OXA-51-like_QGX51318.1_A.b. OXA-51-like_QPP12630.1_A.b.		AIFISACSPYIVSANPNHS AIFISACSPYIVSANPNHS		
OXA-51-like_QNT83403.1_A.b. OXA-51-like_QPF14787.1_A.b.		AIFISACSPYIVSANPNHS AIFISACSPYIVSANPNHS		
OXA-51-like_QJF32440.1_A.b. OXA-51-like_QJF35790.1_A.b.	MNIKA <mark>LLLITS</mark>	AIFISACSPYIV <mark>TA</mark> NPNHS AIFISACSPYIVTANPNHS	ASKSD <mark>K</mark> K <mark>AEKIKNLFNE</mark>	AHTTGVLVI QQGQ
OXA-51-like_QLF10281.1_A.b.	MNIKALLLITS	AIFISACSPYIVTANPNHS AIFISACSPYIVTANPNHS	ASKSD <mark>KKAEKIKNLFNE</mark>	AHTTGVLVIQQGQ
OXA-51-like_AYY52683.1_A.b. OXA-51-like_SCD15761.1_A.b.	MNIKA <mark>LLLITS</mark>	A <mark>IFISACSPYIV</mark> SA <mark>NPNHS</mark>	ASKSD <mark>E</mark> K <mark>AEKIKNLFNE</mark>	AHTTGVLVIQQGQ
OXA-51-like_BAP66909.1_A.b. OXA-51-like_QCP30880.1_A.b.	MNIKA <mark>LLLITS</mark>	AIFISACSPYIVTANPNHS AIFISACSPYIVTANPNHS	A <mark>SKSDE</mark> K <mark>AEKIKNLFNE</mark>	AHTTGVLVIQQGQ
OXA-51-like_QER75560.1_A.b. OXA-51-like_QCO80718.1_A.b.		AIFISACSPYIVTANPNHS AIFISACSPYIVTANPNHS		
OXA-51-like_QCD18717.1_A.b. OXA-51-like_QCD22484.1_A.b.	MNIKALLLITS	AIFISACSPYIVTANPNHS AIFISACSPYIVTANPNHS	ASKSDEKAEKIKNLFNE	AHTTGVLVIOOGO
OXA-51-like_QRN22730.1_A.b. OXA-51-like_QRN17816.1_A.b.		AIFISACSPYIV <mark>TA</mark> NPNHS AIFISACSPYIVTANPNHS		AHTTGVLVIQQGQ
OXA-51-like_QRN09142.1_A.b. OXA-51-like_QRN14361.1 A.b.	MNIKALLLITS	AIFISACSPYIVTANPNHS AIFISACSPYIVTANPNHS	ASKSD <mark>EK</mark> AEKIKNLFNE	AHTTGVLVIQQGQ
OXA-51-like_AHB91645.1_A.b.	MNIKALLLITS	AIFISACSPYIVTTNPNHS	ASKSDEKAEKIKNLFNE.	A <mark>HTTGVLVI</mark> QQGQ
OXA-51-like_QEI76099.1_A.b. OXA-51-like_QBY88347.1_A.b.	MNIQALLLITS	AIFISACSPYIVTTNPNHS AIFISACSPYIVSANPNHS	ASKSDE <mark>KAEKIKNLFNE</mark>	AHTTGVLVIQQGQ AHTTGVLVIQQGQ
OXA-51-like_ANC35117.1_A.b. OXA-51-like_APJ19826.1_A.b.		AIFISACSPYIVTANPNHS AIFISACSPYIVTANPNHS		
OXA-51-like_AVE55122.1_A.b. OXA-51-like AVO92126.1 A.b.		AIFISACSPYIV <mark>TA</mark> NPNHS AIFISACSPYIVTANPNHS		AHTTGVLVIQQGQ AHTTGVLVIQQGQ
OXA-51-like_AXG84775.1_A.b. OXA-51-like_AXX40472.1 A.b.	MNIKA <mark>LLLITS</mark>	AIFISACSPYIVTANPNHS AIFISACSPYIVTANPNHS	ASKSD <mark>E</mark> K <mark>AEKIKNLFNE</mark>	AHTTGVLVIQQGQ AHTTGVLVIQQGQ
OXA-51-like_AXX40472.1_A.b. OXA-51-like_AYY89494.1_A.b. OXA-51-like_OFH45392.1_A.b.	MNIKALLLITS	A <mark>IFISACSPYIV</mark> TA <mark>NPNHS</mark>	ASKSDE <mark>KAEKIKNLFNE</mark>	AHTTGVLVIQQGQ
OXA-51-like_QFY69235.1_A.b.	MNIKALLLITS	AIFISACSPYIVTANPNHS AIFISACSPYIVTANPNHS	A <mark>SKSDE</mark> K <mark>AEKIKNLFNE</mark>	AHTTGVLVIQQGQ AHTTGVLVIQQGQ
OXA-51-like_QJF27678.1_A.b. OXA-51-like_AML74598.1_A.b.		AIFISACSPYIVTANPNHS AIFISACSPYIV <mark>TA</mark> NPNHS		AHTTGVLVIQQGQ
OXA-51-like_AOP62964.1_A.b. OXA-51-like_AFU38004.1_A.b.		AIFISACSPYIVTANPNHS AIFISACSPYIVTANPNHS		
OXA-51-like_AML67359.1_A.b. OXA-51-like_AML71041.1_A.b.		AIFISACSPYIVTANPNHS AIFISACSPYIVTANPNHS		AHTTGVLVIQQGQ AHTTGVLVIQQGO
OXA-51-like_AML63873.1_A.b. OXA-51-like_QKK74898.1_A.b.	MNIKALLLITS	AIFISACSPYIVTANPNHS AIFISACSPYIVTANPNHS	ASKSD <mark>VKAEKIKNLFNE</mark>	AHTTGVLVIQQGQ
OXA-51-like_QFX70271.1_A.b.	MNIKALLLITS	A <mark>IFISACSPYIV</mark> TA <mark>NPNHS</mark>	ASKSD <mark>VK</mark> AEKIKNLFNE	AHTTGVLVIQQGQ
OXA-51-like_QEK67468.1_A.b. OXA-51-like_QEK74707.1_A.b.	MNIKALLLITS	AIFISACSPYIVTANPNHS AIFISACSPYIVTANPNHS	ASKSDV <mark>KAEKIKNLFNE</mark>	AHTTGVLVIQQGQ
OXA-51-like_QEK71081.1_A.b. OXA-51-like_QFZ58831.1_A.b.	MNIKALLLITS	AIFISACSPYIVTANPNHS AIFISACSPYIVTANPNHS	ASKSD <mark>VKAEKIKNLFNE</mark>	AHTTGVLVIQQGQ
OXA-51-like_QAS47153.1_A.b. OXA-51-like_QAS43533.1_A.b.	MNIKALLLITS	AIFISACSPYIVTANPNHS AIFISACSPYIV <mark>TA</mark> NPNHS	ASKSD <mark>VK</mark> AEKIKNLFNE	AHTTGVLVI <mark>Q</mark> QGQ AHTTGVLVIQQGQ
OXA-51-like_QNV16375.1_A.b. OXA-51-like_QNV20321.1_A.b.		AIFISACSPYIV <mark>TA</mark> NPNHS AIFISACSPYIVTANPNHS		
OXA-51-like_QNV24005.1_A.b. OXA-51-like_QNV27835.1_A.b.	MNIKALLLITS	AIFISACSPYIVTANPNHS AIFISACSPYIVTANPNHS	A <mark>SKSD</mark> V <mark>KAEKIKNLFNE</mark>	AHTTGVLVIQQGQ
OXA-51-like_QNV31585.1_A.b.	MNIKALLLITS	A <mark>IFISACSPYIV</mark> TA <mark>NPNHS</mark>	ASKSD <mark>VKAEKIKNLFNE</mark>	AHTTGVLVIQQGQ
OXA-51-like_QPN98293.1_A.b. OXA-51-like_QPO01798.1_A.b.	MNIKALLLITS	AIFISACSPYIVTANPNHS AIFISACSPYIVTANPNHS	ASKSD <mark>VKAEKIKNLFNE</mark>	AHTTGVLVIQQGQ
OXA-51-like_QQD93954.1_A.b. OXA-51-like_QQD94685.1_A.b.	MNIKALLLITS	AIFISACSPYIVTANPNHS AIFISACSPYIVTANPNHS	ASKSD <mark>VK</mark> AEKIKNLFNE	AHTTGVLVIQQGQ
OXA-51-like_QQD98482.1_A.b. OXA-51-like_QQE02276.1_A.b.	MNIKALLLITS	AIFISACSPYIVTANPNHS AIFISACSPYIVTANPNHS	ASKSD <mark>VKAEKIKNLFNE</mark>	AHTTGVLVIQQGQ
OXA-51-like_SBS22256.1_A.b. OXA-51-like_AEP06182.1_A.b.		AIFISACSPYIVTANPNHS AIFISACSPYIVTANPNHS		

OXA-51-like ARG02295.1 A.b.	MNT	KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIO
OXA-51-11ke_ARG02295.1_A.b. OXA-51-like ARG25110.1 A.b.		KALLLITS <mark>A</mark> IFISACSPYIVTANPNHSASKSDVKAEKIKNIFNEAHTTGVLVIQ
OXA-51-like_AYC01674.1_A.b.	MNI	KA <mark>LLLITSA</mark> IFISACSPYIV <mark>TANPNHSA</mark> SKSD <mark>VKA</mark> EKIKNLFNEAHTTGVLVIQ
OXA-51-like_ATU49292.1_A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSD <mark>VKAEKIKNLFNEAHTTGVLVI</mark> Q
OXA-51-like_ATU52990.1_A.b. OXA-51-like ATU56628.1 A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIQ KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIO
OXA-51-11Re_A1030028.1_A.B. OXA-51-like AZK38077.1 A.b.		KALLLITSAIFISACSPIIVIANPNHSASKSDVKAEKIKNLFNEAHTIGVLVIO
OXA-51-like_AZK41733.1_A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIQ
OXA-51-like_QAS39909.1_A.b.		KA <mark>LLLITSA</mark> IFISACSPYIV <mark>TANPNHSASKSDVKAEKIKNLFNEAHTTGVLVI</mark> Q
OXA-51-like_QAS33473.1_A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSD <mark>VKAEKIKNLFNEAHTTGVL</mark> VIQ
OXA-51-like_ACC56872.1_A.b. OXA-51-like ADX91666.1 A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIQ KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIO
OXA-51-like ADX92178.1 A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIO
OXA-51-like_AGQ10228.1_A.b.		KA <mark>LLLITSA</mark> IFISACSPYIV <mark>TANPNHSA</mark> SKSD <mark>VKAEKIKNLFNEAHTTGVLVI</mark> Q
OXA-51-like_ALX99780.1_A.b.		KA <mark>LLLITSA</mark> IFISACSPYIV <mark>TA</mark> NPNHSASKSD <mark>VKA</mark> EKIKNLFNEAHTTGVLVIQ
OXA-51-like_AMC15222.1_A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSD <mark>VKAEKIKNLFNEAHTTGVL</mark> VIQ
OXA-51-like_ANB88975.1_A.b. OXA-51-like_AOX69607.1_A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIQ KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIO
OXA-51-like AOX73369.1 A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIO
OXA-51-like_AOX77482.1_A.b.		KA <mark>LLLITSA</mark> IFISACSPYIV <mark>TA</mark> NPNHS <mark>A</mark> SKSD <mark>VKAEKIKNLFNEAHTTGVLVI</mark> Q
OXA-51-like_AOX81661.1_A.b.		KA <mark>LLLITSA</mark> IFISACSPYIV <mark>TANPNHSA</mark> SKSD <mark>VKA</mark> EKIKNLFNEAHTTGVLVIQ
OXA-51-like_AOX85074.1_A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIQ KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIO
OXA-51-like_AOX88942.1_A.b. OXA-51-like_AOX92779.1_A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIQ KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIO
OXA-51-like AOX96637.1 A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIO
OXA-51-like_APF43961.1_A.b.		KA <mark>LLLITSA</mark> IFISACSPYIV <mark>TANPNHSASKSD</mark> VKAEKIKNLFNEAHTTGVLVI <mark>O</mark>
OXA-51-like_APJ23527.1_A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSD <mark>VKAEKIKNLFNE</mark> AHTTGVLVIQ
OXA-51-like_APM48724.1_A.b. OXA-51-like APQ85553.1 A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIQ KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIO
OXA-51-11ke_APQ85553.1_A.B. OXA-51-11ke_APQ93188.1_A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIQ KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIO
OXA-51-like_AQU55455.1_A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIQ
OXA-51-like_ARF91818.1_A.b.		KA <mark>LLLITS</mark> AIFISACSPYIV <mark>TANPNHSASKSDVK</mark> AEKIKNLFNE <mark>AHTTGVLV</mark> IÕ
OXA-51-like_ARF95229.1_A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIQ
OXA-51-like_ARG04169.1_A.b. OXA-51-like_ARG09260.1_A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIQ KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIO
OXA-51-11ke_ARG09260.1_A.B. OXA-51-11ke_ARG14122.1_A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIQ KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIQ
OXA-51-like_ARG20812.1_A.b.	MNI	KA <mark>LLLITSA</mark> IFISACSPYIVTANPNHS <mark>ASKSD</mark> V <mark>KAEKIKNLFNEAHTTGVLVI</mark> Õ
OXA-51-like_ARG26815.1_A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSD <mark>V</mark> KAEKIKNLFNEAHTTGVLVIQ
OXA-51-like_ATR88137.1_A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSD <mark>V</mark> KAEKIKNLFNEAHTTGVLVIQ
OXA-51-like_ATU22923.1_A.b. OXA-51-like_AUG11400.1_A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIQ KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIO
OXA-51-like_AVE45033.1_A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIO
OXA-51-like_AVE90526.1_A.b.		KA <mark>LLLITSA</mark> IFISACSPYIV <mark>TANPNHSA</mark> SKSD <mark>VKAEKIKNLFNEAHTTGVLVI</mark> Õ
OXA-51-like_AV088307.1_A.b.		KA <mark>LLLITSA</mark> IFISACSPYIV <mark>TANPNHSA</mark> SKSD <mark>VKAEKIKNLFNEA</mark> HTTGVLVIQ
OXA-51-like_AW015631.1_A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSD <mark>V</mark> KAEKIKNLFNEAHTTGVLVIQ
OXA-51-like_AWW77770.1_A.b. OXA-51-like_AWW85353.1_A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIQ KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIO
OXA-51-like_AXW91373.1_A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIQ
OXA-51-like_AXX48901.1_A.b.		KA <mark>LLLITSA</mark> IFISACSPYIV <mark>TANPNHSA</mark> SKSD <mark>VKAEKIKNLFNEAHTTGVLVI</mark> Õ
OXA-51-like_AXX55862.1_A.b.		KA <mark>LLLITSA</mark> IFISACSPYIV <mark>TANPNHSA</mark> SKSD <mark>VKAEKIKNLFNEA</mark> HTTGVLVIQ
OXA-51-like_QBA07478.1_A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIQ KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIO
OXA-51-like_QBB77223.1_A.b. OXA-51-like_QCH33275.1_A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIQ KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIQ
OXA-51-like_QCP15970.1_A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIQ
OXA-51-like_QCP19079.1_A.b.		KA <mark>LLITSAIFISACSPYIV</mark> TA <mark>NPNHSASKSDVKAEKIKNLFNEAHTTGVLVI</mark> Q
OXA-51-like_QCP45479.1_A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSD <mark>VKAEKIKNLFNEAHTTGVL</mark> VIQ
OXA-51-like_QDR93660.1_A.b. OXA-51-like_QEY27958.1_A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIQ KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIO
OXA-51-like_QE127938.1_A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIO
OXA-51-like_QIX34674.1_A.b.		KA <mark>LLLITSA</mark> IFISACSPYIV <mark>TANPNHSA</mark> SKSD <mark>VKAEKIKNLFNEAHTTGVLVI</mark> Õ
OXA-51-like_QIX38631.1_A.b.		KA <mark>LLLITSA</mark> IFISACSPYIV <mark>TA</mark> NPNHSASKSD <mark>VKA</mark> EKIKNLFNEAHTTGVLVIQ
OXA-51-like_QIX42205.1_A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIQ
OXA-51-like_QIX46166.1_A.b. OXA-51-like_QJG69125.1_A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIQ KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIO
OXA-51-like_QJG72958.1_A.b.		KALLLITS <mark>A</mark> IFISACSPYIV <mark>TA</mark> NPNHS <mark>A</mark> SKSDVK <mark>A</mark> EKIKNLFNEAHTTGVLVIÕ
OXA-51-like_QJG88231.1_A.b.	MNI	KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIQ
OXA-51-like_QJG91989.1_A.b.	MNI	KALLLITSAIFISACSPYIVTANPNHSASKSD <mark>VKAEKIKNLFNEA</mark> HTTGVLVIQ
OXA-51-like_QJG95593.1_A.b. OXA-51-like_QJG99403.1_A.b.	MNI	KALLLITSAIFISACSPYIVTANPNHSASKSD <mark>VKAEKIKNLFNEA</mark> HTTGVLVI <mark>Q</mark> KALLLITSAIFISACSPYIVTANPNHSASKSD <mark>V</mark> KAEKIKNLFNEAHTTGVLVIQ
OXA-51-like QJH07093.1 A.b.	MNI	KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIO
OXA-51-like_QJH10219.1_A.b.	MNI	KALLLITSAIFISACSPYIVTANPNHSASKSD <mark>VKAEKIKNLFNEA</mark> HTTGVLVIÕ KALLLITSAIFISACSPYIVTANPNHSASKSD <mark>V</mark> KAEKIKNLFNEAHTTGVLVIQ
OXA-51-like_QJH14483.1_A.b.	MNI	KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIQ
OXA-51-like_QJH17776.1_A.b. OXA-51-like_QJP31173.1_A.b.	MNI	KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIQ
OXA-51-like_QJP311/3.1_A.B. OXA-51-like_QLA73304.1_A.b.	MNT	KALLLITSAIFISACSPYIVTANPNHSASKSD <mark>VKAEKIKNLFNEA</mark> HTTGVLVI <mark>Q</mark> KALLLITSAIFISACSPYIVTANPNHSASKSD <mark>V</mark> KAEKIKNLFNEAHTTGVLVIQ
OXA-51-like QNV12531.1 A.b.	MNI	KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIO
OXA-51-like_QAS93855.1_A.b.	MNI	KALLLITSAIFISACSPYIVTANPNHSASKSD <mark>VKAEKIKNLFNEA</mark> HTTGVLVIÕ KALLLITSAIFISACSPYIVTANPNHSASKSD <mark>V</mark> KAEKIKNLFNEAHTTGVLVIQ
OXA-51-like_QAT01315.1_A.b.	MNI	KALLLITSAIFISACSPYIVTANPNHSASKSD <mark>VKAEKIKNLFNEAHTTGVLVI</mark> Q
OXA-51-like_QAS97806.1_A.b.	MNI	KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIQ
OXA-51-like_QAT04873.1_A.b. OXA-51-like_QEE57116.1_A.b.	MNI	KALLLITSAIFISACSPYIVTANPNHSASKSD <mark>VKAEKIKNLFNEA</mark> HTTGVLVIQ KALLLITSAIFISACSPYIVTANPNHSASKSD <mark>V</mark> KAEKIKNLFNEAHTTGVLVI <u>Q</u>
OXA-51-like_ADX03652.1_A.b.	MNI	KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIQ
OXA-51-like_QCO82814.1_A.b.	MNI	KALLLITSAIFISACSPYIVTANPNHSASKSDVKAEKIKNLFNEAHTTGVLVIQ
OXA-51-like_AJF81571.1_A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSDDKAEKIKNLFNEAHTTGVLVIH
OXA-51-like_ATP87403.1_A.b. OXA-51-like AKA32028.1 A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSDDKAEKIKNLFNEAHTTGVLVIH KALLLITSAIFISACSPYIVTANPNHSASKSDDKAEKIKNLFNEAHTTGVLVIH
OXA-51-like_AKA32028.1_A.B. OXA-51-like_ALJ88113.1_A.b.	MNI	KALLLITSAIFISACSPYIVTANPNHSASKSDDKAEKIKNLFNEAHTTGVLVIH
OXA-51-like_ARG31555.1_A.b.	MNI	KA <mark>LLITSAIFISACSPYIV</mark> TA <mark>NPNHSA</mark> SKSD <mark>DKAEKIKNLFNEAHTTGVLVI</mark> H
OXA-51-like_ASF77094.1_A.b.	MNI	KALLLITSAIFISACSPYIVTANPNHSASKSDDKAEKIKNLFNEAHTTGVLVIH
OXA-51-like_AVN14185.1_A.b.		KALLLITSAIFISACSPYIVTANPNHSASKSDDKAEKIKNLFNEAHTTGVLVIH
OXA-51-like_AVN25165.1_A.b. OXA-51-like AXB14467.1 A.b.		KALLLITSAIFISACSPYIV <mark>TANPNHSASKSDDKA</mark> EKIKNLFNEAHTTGVLVIH KALLLITSAIFISACSPYIVTANPNHSASKSDDKAEKIKNLFNEAHTTGVLVIH
OTHE OF THE BURNETARDITAROLIT H.D.		KALLLITSAIFISACSPYIVTANPNHSASKSDDKAEKIKNLFNEAHTTGVLVIH
OXA-51-like_QLG79253.1_A.b.		
OXA-51-like_QQB68144.1_A.b.	MNI	KA <mark>LLLITSA</mark> IFISACSPYIV <mark>TANPNHSASKSDDKAEKIKNLFNEAHTTGVLVI</mark> H
OXA-51-like_QQB68144.1_A.b. OXA-51-like_SQI55469.1_A.b.	MN I MN I	KALLLITSAIFISACSPYIVTANPNHSASKSDDKAEKIKNLFNEAHTTGVLVIH
OXA-51-like_QQB68144.1_A.b. OXA-51-like_SQI55469.1_A.b. OXA-51-like_QJH03197.1_A.b.	MNI MNI MNI	KALLLITSAIFISACSPYIVTANPNHSASKSDDKAEKIKNLFNEAHTTGVLVIH KALLLITSAIFISACSPYIVTANPNHSASKSDDKAEKIKNLFNEAHTTGVLVIH
OXA-51-like_QQB68144.1_A.b. OXA-51-like_SQI55469.1_A.b.	MNI MNI MNI MNI	KALLLITSAIFISACSPYIVTANPNHSASKSDDKAEKIKNLFNEAHTTGVLVIH

4ZDX_Beta-lactamase	β2 η1	η2 α2	100	η3 200 110 120
4ZDX_Beta-lactamase OXA-51-like_QLB35675.1_A.b.		VPASTFK MLNALIGLEHH VPASTFK MLNALIGLEHH		GOKRLFPEWEKDMTL GOKRLFPEWEKDMTL
OXA-51-like_AUT37227.1_A.b. OXA-51-like_QJF39460.1_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	K <mark>attt</mark> ev <mark>fkw</mark> d	GOKRLFPEWEKDMTL GOKRLFPEWEKDMTL
OXA-51-like_QLI40100.1_A.b. OXA-51-like_ARG36573.1_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	K <mark>attt</mark> ev <b>fkw</b> d	GOKRLFPEWEKDMTL GOKRLFPEWEKDMTL
OXA-51-like_ASO71619.1_A.b. OXA-51-like_AVP34890.1_A.b.		VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH		GOKRLFPEWEKDMTL GOKRLFPEWEKDMTL
OXA-51-like_QCR89674.1_A.b. OXA-51-like_QJH20957.1_A.b.		VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH		GOKRLFPEWEKDMTL GOKRLFPEWEKDMTL
OXA-51-like_QMS82274.1_A.b. OXA-51-like_QCT16238.1_A.b.		VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH		GQKRLFPEWEKDMTL GQKRLFPEWEKDMTL
OXA-51-like_AVF07049.1_A.b. OXA-51-like_AVF08644.1_A.b.		VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH		GQKRLFPEWEKDMTL GQKRLFPEWEKDMTL
OXA-51-like_QBR77846.1_A.b. OXA-51-like_QBR79997.1_A.b.		VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	KATTTEIFKWD	GQKRLFPEWEKDMTL GQKRLFPEWEKDMTL
OXA-51-like_ABO11944.2_A.b. OXA-51-like_AGH35408.1_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	K <mark>attt</mark> ev <mark>fkw</mark> d	GQKRLFPEWEKDMTL GQKRLFPEWEKDMTL
OXA-51-like_BBT49379.1_A.b. OXA-51-like_QAB40708.1_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPA <mark>STFK</mark> MLNALIGLEHH	K <mark>attt</mark> ev <b>fkw</b> d	GOKRLFPEWEKDMTL GOKRLFPEWEKDMTL
OXA-51-like_QDQ60454.1_A.b. OXA-51-like_QKY23678.1_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	K <mark>attt</mark> ev <b>fkw</b> d	GOKRLFPEWEKDMTL GOKRLFPEWEKDMTL
OXA-51-like_QLI36478.1_A.b. OXA-51-like_QNT82744.1_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	K <mark>attt</mark> ev <mark>fkw</mark> d	GOKRLFPEWEKDMTL GOKRLFPEWEKDMTL
OXA-51-like_APX50552.1_A.b. OXA-51-like_QER37219.1_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	K <mark>attt</mark> ev <b>fkw</b> d	GOKRLFPEWEKDMTL GOKRLFPEWEKDMTL
OXA-51-like_QLF06531.1_A.b. OXA-51-like_AGQ06390.1_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	KATTTEVFKW <mark>d</mark>	GQKRLFPEWEKDMTL GQKRLFPEWEKNMTL
OXA-51-like_QCP28577.1_A.b. OXA-51-like_AIY37715.2_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	KATTTEVFKW <mark>d</mark>	GQKRLFPEWEKNMTL GQKRLFPEWEKNMTL GQKRLFPEWEKNMTL
OXA-51-like_APO58838.1_A.b. OXA-51-like_AXX43643.1_A.b. OXA-51-like_QBY14110.1_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	K <mark>attt</mark> ev <b>fkw</b> d	GOKRLFPEWEKNMTL GOKRLFPEWEKNMTL
OXA-51-like_QB114110.1_A.b. OXA-51-like_QCP23393.1_A.b. OXA-51-like_QJG76604.1_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	KATTTEVFKW <mark>d</mark>	GOKRLFPEWEKNMTL GOKRLFPEWEKNMTL
OXA-51-like_QJG80512.1_A.b. OXA-51-like_QJG83258.1 A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	KATTTEVFKW <mark>d</mark>	GOKRLFPEWEKNMTL GOKRLFPEWEKNMTL
OXA-51-like_QJP37521.1_A.b. OXA-51-like_ARG37991.1_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	K <mark>attt</mark> ev <b>fkw</b> d	GOKRLFPEWEKNMTL GOKRLFPEWEKNMTL
OXA-51-like_AMN01331.1_A.b. OXA-51-like_ARN31023.1_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	KATTTEVFKW <mark>d</mark>	GOKRLFPEWEKNMTL GOKRLFPEWEKNMTL
OXA-51-like_QDM66466.1_A.b. OXA-51-like_QEY04089.1_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	K <mark>attt</mark> ev <mark>fkw</mark> d	GOKRLFPEWEKNMTL GOKRLFPEWEKNMTL
OXA-51-like_QFQ05250.1_A.b. OXA-51-like_QGX51318.1_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	K <mark>attt</mark> ev <b>fkw</b> d	GOKRLFPEWEKNMTL GOKRLFPEWEKNMTL
OXA-51-like_QPP12630.1_A.b. OXA-51-like_QNT83403.1_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	K <mark>attt</mark> ev <mark>fkw</mark> d	GOKRLFPEWEKNMTL GOKRLFPEWEKNMTL
OXA-51-like_QPF14787.1_A.b. OXA-51-like_QJF32440.1_A.b.		VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH		GQKRLFPEWEKNMTL GQKRLFPEWEKDMTL
OXA-51-like_QJF35790.1_A.b. OXA-51-like_QLF10281.1_A.b.		VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH		GQKRLFPEWEKDMTL GQKRLFPEWEKDMTL
OXA-51-like_AYY52683.1_A.b. OXA-51-like_SCD15761.1_A.b.		VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH		GQKRLFPEWEKDMTL GQKRLFPEWEKDMTL
OXA-51-like_BAP66909.1_A.b. OXA-51-like_QCP30880.1_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	KATTTEVFKW <mark>d</mark>	GKKRLFPEWEKNMTL GKKRLFPEWEKNMTL
OXA-51-like_QER75560.1_A.b. OXA-51-like_QC080718.1_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPA <mark>STFK</mark> MLNALIGLEHH	K <mark>attt</mark> ev <mark>fkw</mark> d	GKKRLFPEWEKNMTL GKKRLFPEWEKDMTL
OXA-51-like_QCD18717.1_A.b. OXA-51-like_QCD22484.1_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	KATTTEVFKWD	GKKRLFPEWEKDMTL GKKRLFPEWEKDMTL
OXA-51-like_QRN22730.1_A.b. OXA-51-like_QRN17816.1_A.b. OXA-51-like_QRN09142.1 A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	K A T T T E V F K W D	
OXA-51-like_QRN09142.1_A.b. OXA-51-like_QRN14361.1_A.b. OXA-51-like AHB91645.1 A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	K A T T T E V F K W D	
OXA-51-like_QEI76099.1_A.b. OXA-51-like_QBY88347.1_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	KATTTEVFKWD	GKKRLFPEWEKDMIL GKKRLFPEWEKDMIL
OXA-51-like_ANC35117.1_A.b. OXA-51-like_APJ19826.1 A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	KATTTEVFKW <mark>d</mark>	GKKRLFPEWEKDMTL
OXA-51-like_AVE55122.1_A.b. OXA-51-like_AV092126.1_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	KATTTEVFKWD	
OXA-51-like_AXG84775.1_A.b. OXA-51-like_AXX40472.1 A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	KATTTEVFKWD	GKKRLFPEWEKDMTL GKKRLFPEWEKDMTL
OXA-51-like_AYY89494.1_A.b. OXA-51-like_QFH45392.1_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	KATTTEVFKWD	GKKRLFPEWEKDMTL
OXA-51-like_QFY69235.1_A.b. OXA-51-like_QJF27678.1_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	KATTTEVFKWD	
OXA-51-like_AML74598.1_A.b. OXA-51-like_AOP62964.1_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	KATTTEVFKWD	GKKRLFPEWEKDMTL GKKRLFPEWEKDMTL
OXA-51-like_AFU38004.1_A.b. OXA-51-like_AML67359.1_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	KATTTEVFKWD	GKKRLFPEWEKDMTL
OXA-51-like_AML71041.1_A.b. OXA-51-like_AML63873.1_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	KATTTEVFKWD	
OXA-51-like_QKK74898.1_A.b. OXA-51-like_QFX70271.1_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPA <mark>STFK</mark> MLNALIGLEHH	K <mark>attt</mark> ev <b>fkw</b> d	GKKRLFPEWEKDMTL GKKRLFPEWEKDMTL
OXA-51-like_QEK67468.1_A.b. OXA-51-like_QEK74707.1_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	KATTTEVFKWD	GKKRLFPEWEKDMTL
OXA-51-like_QEK71081.1_A.b. OXA-51-like_QFZ58831.1_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	K <mark>attt</mark> ev <mark>fkw</mark> d	GKKRLFPEWEKDMTL GKKRLFPEWEKDMTL
OXA-51-like_QAS47153.1_A.b. OXA-51-like_QAS43533.1_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	KATTTEVFKWD	GKKRLFPEWEKDMTL GKKRLFPEWEKDMTL
OXA-51-like_QNV16375.1_A.b. OXA-51-like_QNV20321.1_A.b. OXA-51-like_QNV24005.1_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	KATTTEVFKWD	
OXA-51-11ke_QNV24005.1_A.b. OXA-51-11ke_QNV27835.1_A.b. OXA-51-11ke_QNV31585.1_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	KATTTEVFKWD	
OXA-51-like_QNV31585.1_A.b. OXA-51-like_QPN98293.1_A.b. OXA-51-like_QPO01798.1_A.b.	TQQSYGNDLARASTEY	VPASTERMLNALIGLEHH VPASTERMLNALIGLEHH VPASTERMLNALIGLEHH	KATTTEVFKWD	GKKRLFPEWEKDMTL
OXA-51-like_QCD93954.1_A.b. OXA-51-like_QQD94685.1_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	KATTTEVFKWD	
OXA-51-like_QQD98482.1_A.b. OXA-51-like_QQE02276.1_A.b.	TQQSYGNDLARASTEY TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	KATTTEVFKWD KATTTEVFKWD	
OXA-51-like_SBS22256.1_A.b. OXA-51-like_AEP06182.1_A.b.	TQQSYGNDLARASTEY	VPASTFKMLNALIGLEHH VPASTFKMLNALIGLEHH	KATTTEVFKWD	GKKRLFPEWEKDMTL

OXA-51-like_ARG02295.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_ARG25110.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_AYC01674.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_ATU49292.1_A.b.	TOOSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	
OXA-51-like_ATU52990.1_A.b.	TOOSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_ATU56628.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	
OXA-51-like_AZK38077.1_A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_AZK41733.1_A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like QAS39909.1 A.b.	TOOSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	
OXA-51-like_QAS33909.1_A.b.	TOOSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	
		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_ACC56872.1_A.b.		
OXA-51-like_ADX91666.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	
OXA-51-like_ADX92178.1_A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_AGQ10228.1_A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_ALX99780.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	
OXA-51-like_AMC15222.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	
OXA-51-like_ANB88975.1_A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_AOX69607.1_A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_AOX73369.1_A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_AOX77482.1_A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_AOX81661.1_A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_AOX85074.1_A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_AOX88942.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_AOX92779.1_A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_AOX96637.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_APF43961.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_APJ23527.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	EVFKWDGKKRLFPEWEKDMTL
OXA-51-like APM48724.1 A.b.	TOOSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_APQ85553.1_A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_APQ93188.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	
OXA-51-like_AQU55455.1_A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_ARF91818.1_A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like ARF95229.1 A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like ARG04169.1 A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_ARG09260.1_A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_ARG14122.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	
OXA-51-like_ARG20812.1_A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_ARG26815.1_A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_ATR88137.1_A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like ATU22923.1 A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_AUG11400.1_A.b.	TOOSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	
OXA-51-like_AVE45033.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	
OXA-51-like_AVE90526.1_A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_AVE90320:1_A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_AVO86507.1_A.b.		
OXA-51-like_AW013031.1_A.b.		EVFKWDGKKRLFPEWEKDMTL EVFKWDGKKRLFPEWEKDMTL
		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_AWW85353.1_A.b.		
OXA-51-like_AXW91373.1_A.b. OXA-51-like_AXX48901.1_A.b.		EVFKWDGKKRLFPEWEKDMTL EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_AXX55862.1_A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_QBA07478.1_A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_QBB77223.1_A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_QCH33275.1_A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_QCP15970.1_A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_QCP19079.1_A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_QCP45479.1_A.b.	~~	EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_QDR93660.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	
OXA-51-like_QEY27958.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	
OXA-51-like_QIX30833.1_A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_QIX34674.1_A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_QIX38631.1_A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_QIX42205.1_A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_QIX46166.1_A.b.		EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_QJG69125.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	
OXA-51-like_QJG72958.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	
OXA-51-like_QJG88231.1_A.b.	TQQSYGNDLARASTEYVPA <mark>STFK</mark> MLNALIGLEHHK <mark>A</mark> TTT	
OXA-51-like_QJG91989.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	
$OXA-51-like_QJG95593.1_A.b.$	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	
OXA-51-like_QJG99403.1_A.b.	TQQSYGNDLARASTEYVPA <mark>STFK</mark> MLNALIGLEHHK <mark>A</mark> TTT	EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_QJH07093.1_A.b.	TQQSYGNDLARASTEYVPA <mark>STFK</mark> MLNALIGLEHHK <mark>A</mark> TTT	EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_QJH10219.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	
OXA-51-like_QJH14483.1_A.b.	TQQSYGNDLARASTEYVPA <mark>STFK</mark> MLNALIGLEHHK <mark>A</mark> TTT	
OXA-51-like_QJH17776.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	
OXA-51-like_QJP31173.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	
$OXA-51-like_QLA73304.1_A.b.$	TQQSYGNDLARASTEYVPA <mark>STFK</mark> MLNALIGLEHHK <mark>A</mark> TTT	EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_QNV12531.1_A.b.	TQQSYGNDLARASTEYVPA <mark>STFK</mark> MLNALIGLEHHK <mark>A</mark> TTT	
OXA-51-like_QAS93855.1_A.b.	TQQSYGNDLARASTEYVPA <mark>STFK</mark> MLNALIGLEHHK <mark>A</mark> TTT	
OXA-51-like_QAT01315.1_A.b.	TQQSYGNDLARASTEYVPA <mark>STFK</mark> MLNALIGLEHHK <mark>A</mark> TTT	
OXA-51-like_QAS97806.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_QAT04873.1_A.b.	TQQSYGNDLARASTEYVPA <mark>STFK</mark> MLNALIGLEHHK <mark>A</mark> TTT	
OXA-51-like_QEE57116.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	EVFKWDGKKRLFPEWEKDMTL
OXA-51-like_ADX03652.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	
OXA-51-like_QCO82814.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	
OXA-51-like_AJF81571.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	EVFKWDGEKRLFPEWEKNMTL
OXA-51-like_ATP87403.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	
OXA-51-like_AKA32028.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	
OXA-51-like_ALJ88113.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	EVFKWDGEKRLFPEWEKNMTL
OXA-51-like_ARG31555.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	
OXA-51-like_ASF77094.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	
OXA-51-like_AVN14185.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	
OXA-51-like_AVN25165.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	EVFKWDGEKRLFPEWEKNMTT.
OXA-51-like AXB14467.1 A.b.	TOOSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	
OXA-51-like_QLG79253.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	
OXA-51-like_QQB68144.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	
OXA-51-like SQI55469.1 A.b.	TOOSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	
OXA-51-like_QJH03197.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	
OXA-51-like_QHB90233.1_A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHK <mark>A</mark> TTT	EVEKWDGOKRLEPEWEKNMTT
OXA-51-like BBR73296.1 A.b.	TQQSYGNDLARASTEYVPASTFKMLNALIGLEHHKATTT	EIFKWDGOKRLFPEWEKDMTL
acc		ETP KWDGQKKEP PEWEKDMI L
400		

4ZDX_Beta-lactamase	α3 2222	α4 000000000000000000000000000000000000	α5 0000000 150	160	α6 <u>2222</u> 170	<u> </u>
4ZDX_Beta-lactamase OXA-51-like_QLB35675.1_A.b.	GDA <mark>M</mark> KA:	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL	MSKE <mark>VKR</mark> V <mark>G</mark> YG1	N <mark>A</mark> DIGTQVD	NFWLVGPLE NFWLVGPLE	KITPQQEAQ
OXA-51-like_AUT37227.1_A.b. OXA-51-like_QJF39460.1_A.b. OXA-51-like_QLI40100.1_A.b.	GDA <mark>MKA</mark>	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL	MSKE <mark>VKR</mark> V <mark>G</mark> YG1	A <mark>DIGTQV</mark> D	NFWLVGPLE NFWLVGPLE NFWLVGPLE	KITPQQEAQ
OXA-51-like_ARG36573.1_A.b. OXA-51-like_ASO71619.1_A.b.	GDA <mark>M</mark> KA:	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL	MSKE <mark>VKR</mark> V <mark>G</mark> YG1	A <mark>DIGTQV</mark> D		KITPQQEAQ
OXA-51-like_AVP34890.1_A.b. OXA-51-like_QCR89674.1_A.b.	GDA <mark>M</mark> KA:	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL	MSKE <mark>VKR</mark> V <mark>G</mark> YG1	A <mark>DIGTQV</mark> D	NFWLVGPLE NFWLVGPLE	KITPQQEAQ
OXA-51-like_QJH20957.1_A.b. OXA-51-like_QMS82274.1_A.b. OXA-51-like_QCT16238.1_A.b.	GDA <mark>MKA</mark>	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL SAIPVYODLARRIGLEL	MSKE <mark>VKR</mark> V <mark>G</mark> YG1	A <mark>DIGTQ</mark> VD	NFWLVGPLE NFWLVGPLE NFWVVGPLE	KITPQQEAQ
OXA-51-like_AVF07049.1_A.b. OXA-51-like_AVF08644.1_A.b.	GDA <mark>M</mark> KA	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL	MSKE <mark>VKR</mark> V <mark>G</mark> YG1	ADIGTQVD	NFWVVGPLE NFWVVGPLE	KITPQQEAQ
OXA-51-like_QBR77846.1_A.b. OXA-51-like_QBR79997.1_A.b.	GDA <mark>M</mark> KA:	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL	MSKE <mark>VKR</mark> V <mark>GYG1</mark> MSKE <mark>VKR</mark> V <mark>GYG1</mark>	N <mark>ADIGTQV</mark> D N <mark>ADIGTQV</mark> D	NFWLVGPLE NFWLVGPLE	KIT <mark>PQQEAQ</mark> KITPQQEAQ
OXA-51-like_ABO11944.2_A.b. OXA-51-like_AGH35408.1_A.b.	GDA <mark>I</mark> KA:	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL SAIPVYODLARRIGLEL	MSKE <mark>VKR</mark> V <mark>G</mark> YG1	A <mark>DIGTQV</mark> D	NFWLVGPLE NFWLVGPLE NFWLVGPLE	KITPQQEAQ
OXA-51-like_BBT49379.1_A.b. OXA-51-like_QAB40708.1_A.b. OXA-51-like_QDQ60454.1_A.b.	GDA <mark>MKA</mark>	SAIPVYQDLARRIGLEL SAIPVYODLARRIGLEL	MSKE <mark>VKR</mark> V <mark>G</mark> YG1	A <mark>DIGTQV</mark> D	NFWLVGPLE NFWLVGPLE	KITPQQEAQ
OXA-51-like_QKY23678.1_A.b. OXA-51-like_QLI36478.1_A.b.	GDA <mark>MKA</mark>	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL	MSKE <mark>VKR</mark> V <mark>G</mark> YG1	A <mark>DIGTQV</mark> D	NFWLVGPLE NFWLVGPLE	KITPQQEAQ
OXA-51-like_QNT82744.1_A.b. OXA-51-like_APX50552.1_A.b. OXA-51-like_QER37219.1_A.b.	GDA <mark>M</mark> KA:	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL	MSKE <mark>VKR</mark> V <mark>G</mark> YG1	ADIGTQVD	NFWLVGPLE NFWLVGPLE NFWLVGPLE	KITPQQEAQ
OXA-51-like_QLF06531.1_A.b. OXA-51-like_AGQ06390.1_A.b.	GDA <mark>M</mark> KA:	SAIPVYODLARRIGLEL SAIPVYODLARRIGLEL	MSKQ <mark>VKR</mark> V <mark>G</mark> YG1	A <mark>DIGTQV</mark> D	NFWLVGPLE NFWLVGPLE	KIT <mark>PQQEAQ</mark>
OXA-51-like_QCP28577.1_A.b. OXA-51-like_AIY37715.2_A.b.	GDA <mark>M</mark> KA:	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL	MSNE <mark>VKR</mark> V <mark>G</mark> YG1	A <mark>DIGTQV</mark> D		KITPQQEAQ
OXA-51-like_APO58838.1_A.b. OXA-51-like_AXX43643.1_A.b. OXA-51-like_QBY14110.1_A.b.	GDA <mark>MKA</mark>	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL SAIPVYODLARRIGLEL	MSNE <mark>VKR</mark> V <mark>G</mark> YG1	ADIGTQVD	NFWLVGPLI NFWLVGPLI NFWLVGPLI	KITPQQEAQ
OXA-51-like_QCP23393.1_A.b. OXA-51-like_QJG76604.1_A.b.	GDA <mark>M</mark> KA:	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL	MSNE <mark>VKR</mark> V <mark>GYG1</mark> MSNE <mark>VKRVGYG1</mark>	N <mark>A</mark> DIGTQVD N <mark>A</mark> DIGTQVD	NFWLVGPLI NFWLVGPLI	KITPQQEAQ
OXA-51-like_QJG80512.1_A.b. OXA-51-like_QJG83258.1_A.b.	GDA <mark>M</mark> KA:	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL	MSNE <mark>VKR</mark> V <mark>G</mark> YG1	ADIGTQVD	NFWLVGPLI NFWLVGPLI	KITPQQEAQ
OXA-51-like_QJP37521.1_A.b. OXA-51-like_ARG37991.1_A.b. OXA-51-like_AMN01331.1_A.b.	GDA <mark>M</mark> KA:	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL SAIPVYODLARRIGLEL	MSNE <mark>VKR</mark> V <mark>G</mark> YG1	A <mark>DIGTQV</mark> D	NFWLVGPLI NFWLVGPLI NFWLVGPLI	KITPQQEAQ
OXA-51-like_ARN31023.1_A.b. OXA-51-like_QDM66466.1_A.b.	GDA <mark>MKA</mark>	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL	MSNE <mark>VKR</mark> V <mark>G</mark> YG1	ADIGTQVD	NFWLVGPLI NFWLVGPLI	KIT <mark>PQQEAQ</mark> KITPQQEAQ
OXA-51-like_QEY04089.1_A.b. OXA-51-like_QFQ05250.1_A.b.	GDA <mark>MKA</mark>	SAIPVYODLARRIGLEL SAIPVYODLARRIGLEL	MSNE <mark>VKR</mark> V <mark>G</mark> YG1	A <mark>DIGTQV</mark> D	NFWLVGPLI NFWLVGPLI	KITPQQEAQ
OXA-51-like_QGX51318.1_A.b. OXA-51-like_QPP12630.1_A.b. OXA-51-like_QNT83403.1_A.b.	GDA <mark>M</mark> KA:	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL	MSNE <mark>VKR</mark> V <mark>G</mark> YG1	A <mark>DIGTQV</mark> D	NFWLVGPLI NFWLVGPLI NFWLVGPLI	KITPQQEAQ
OXA-51-like_QPF14787.1_A.b. OXA-51-like_QJF32440.1_A.b.	GDA <mark>M</mark> KA:	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL	MSNE <mark>VKR</mark> V <mark>G</mark> YG1	A <mark>DIGTQV</mark> D		KIT <mark>PQQEAQ</mark> KITPQQEAQ
OXA-51-like_QJF35790.1_A.b. OXA-51-like_QLF10281.1_A.b.	GDA <mark>M</mark> KA	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL SAIPVYODLARRIGLEL	MSNE <mark>VKR</mark> V <mark>G</mark> YG1	A <mark>DIGTQV</mark> D	NFWLVGPLI NFWLVGPLI	KITPQQEAQ
OXA-51-like_AYY52683.1_A.b. OXA-51-like_SCD15761.1_A.b. OXA-51-like BAP66909.1 A.b.	GDA <mark>MKA</mark>	SAIPVIODLARRIGLEL SAIPVYODLARRIGLEL SAIPVYODLARRIGLEL	MSNE <mark>VKR</mark> V <mark>G</mark> YG1	N <mark>A</mark> DIGTQVD	NFWLVGPLI NFWLVGPLI NFWLVGPLI	KIT <mark>PQQEAQ</mark>
OXA-51-like_QCP30880.1_A.b. OXA-51-like_QER75560.1_A.b.	GDAMKAS GDAMKAS	SAIP <mark>VYQDLARRIGLEL</mark> SA <mark>IPVYQDLARRIGLEL</mark>	MSNE <mark>VKR</mark> V <mark>GYG1</mark> MSNE <mark>VKR</mark> VGYG1	N <mark>ADIGTQVD</mark> N <mark>ADIGTQV</mark> D	NFW <mark>LV</mark> GPLE NFW <mark>LV</mark> GPLE	KIT <mark>PQQEAQ</mark> KITPQQEAQ
OXA-51-like_QCO80718.1_A.b. OXA-51-like_QCD18717.1_A.b. OXA-51-like_QCD22484.1_A.b.	GDA <mark>MKA</mark>	SAVPVYQDLARRIGLEL SAVPVYQDLARRIGLEL SAVPVYQDLARRIGLEL	MSKE <mark>VKR</mark> V <mark>GYG1</mark>	ADIGTQVD	NFWLVGPLI NFWLVGPLI NFWLVGPLI	KITPÕKEAÕ
OXA-51-like_QRN22730.1_A.b. OXA-51-like_QRN17816.1_A.b.	GDA <mark>M</mark> KA	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL	MS <mark>KE</mark> VKR <mark>VGYG1</mark>	N <mark>A</mark> DIGTQVD	NFWLVGPLE NFWLVGPLE	KIT <mark>PQQEAQ</mark>
OXA-51-like_QRN09142.1_A.b. OXA-51-like_QRN14361.1_A.b.	GDA <mark>M</mark> KA	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL	MSKE <mark>VKR</mark> V <mark>G</mark> YG1	A <mark>DIGTQV</mark> D	NFWLVGPLE NFWLVGPLE	KIT <mark>PQQEAQ</mark>
OXA-51-like_AHB91645.1_A.b. OXA-51-like_QEI76099.1_A.b. OXA-51-like_QBY88347.1_A.b.	GDA <mark>M</mark> KA	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL SAIPVYODLARRIGLEL	MSKE <mark>VKR</mark> V <mark>G</mark> YG1	TDIGTQVD	NFWLMGPLE NFWLVGPLE NFWLVGPLE	KITPQQEAQ
OXA-51-like_ANC35117.1_A.b. OXA-51-like_APJ19826.1_A.b.	GDAMKA:	SAIPVYODLARRIGLEL SAIPVYODLARRIGLEL	MSKE <mark>VKR</mark> V <mark>GYG1</mark> MSKE <mark>VKRVGYG1</mark>	N <mark>ADIGTQV</mark> D N <mark>A</mark> DIGTQVD	NFW <mark>LV</mark> GPLE NFWLVGPLE	KITPQQEAQ KITPQQEAQ
OXA-51-like_AVE55122.1_A.b. OXA-51-like_AVO92126.1_A.b.	GDA <mark>MKA</mark>	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL	MSKE <mark>VKR</mark> V <mark>G</mark> YG1	A <mark>DIGTQV</mark> D	NFWLVGPLI NFWLVGPLI	KITPQQEAQ
OXA-51-like_AXG84775.1_A.b. OXA-51-like_AXX40472.1_A.b. OXA-51-like_AYY89494.1 A.b.	GDA <mark>MKA</mark>	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL SAIPVYODLARRIGLEL	MSKE <mark>VKR</mark> V <mark>G</mark> YG1	A <mark>DIGTQV</mark> D	NFWLVGPLI NFWLVGPLI NFWLVGPLI	KITPQQEAQ
OXA-51-like_QFH45392.1_A.b. OXA-51-like_QFY69235.1_A.b.	GDAMKAS GDAMKAS	SAIP <mark>VYQDLARRIGLEL</mark> SAIP <mark>VYQDLARRIGLEL</mark>	MSKE <mark>VKR</mark> V <mark>GYG1</mark> MSKE <mark>VKR</mark> VGYG1	I <mark>A</mark> DIGTQVD I <mark>A</mark> DIGTQVD	NFWLVGPLE NFWLVGPLE	KIT <mark>PQQEAQ</mark> KITPQQEAQ
OXA-51-like_QJF27678.1_A.b. OXA-51-like_AML74598.1_A.b. OXA-51-like_AOP62964.1_A.b.	GDA <mark>M</mark> KA	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL SAIPVYODLARRIGLEL	MSKE <mark>VKR</mark> V <mark>G</mark> YG1	ADIGTQVD	NFWLVGPLE NFWLVGPLE NFWLVGPLE	KITPQQEAQ
OXA-51-like_AFU38004.1_A.b. OXA-51-like_AML67359.1_A.b.	GDA <mark>M</mark> KA:	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL	MSKE <mark>VKR</mark> V <mark>GYG1</mark> MSKEVKRVGYG1	N <mark>ADIGTQVD</mark> NADIGTQVD	NFWLV <mark>GPLE</mark> NFWLVGPLE	KITPQQEAQ KITPQQEAQ
OXA-51-like_AML71041.1_A.b. OXA-51-like_AML63873.1_A.b.	GDA <mark>M</mark> KA:	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL	MSKE <mark>VKR</mark> V <mark>G</mark> YG1	A <mark>DIGTQV</mark> D	NFWLVGPLI NFWLVGPLI	KITPQQEAQ
OXA-51-like_QKK74898.1_A.b. OXA-51-like_QFX70271.1_A.b. OXA-51-like_QEK67468.1_A.b.	GDA <mark>MKA</mark>	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL SAIPVYODLARRIGLEL	MSKE <mark>VKR</mark> V <mark>G</mark> YG1	A <mark>DIGTQV</mark> D	NFWLVGPLE NFWLVGPLE NFWLVGPLE	KITPQQEAQ
OXA-51-like_QEK74707.1_A.b. OXA-51-like_QEK71081.1_A.b.	GDAMKA: GDAMKA:	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL	MSKE <mark>VKR</mark> V <mark>GYG1</mark> MSKE <mark>VKR</mark> V <mark>GYG1</mark>	N <mark>A</mark> DIGTQVD N <mark>A</mark> DIGTQVD	NFWLVGPLE NFWLVGPLE	KIT <mark>PQQEAQ</mark> KITPQQEAQ
OXA-51-like_QFZ58831.1_A.b. OXA-51-like_QAS47153.1_A.b. OXA-51-like_QAS43533.1_A.b.	GDA <mark>MKA</mark>	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL SAIPVYODLARRIGLEL	MSKE <mark>VKR</mark> V <mark>G</mark> YG1	A <mark>DIGTQV</mark> D	NFWLVGPLI NFWLVGPLI NFWLVGPLI	KITPQQEAQ
OXA-51-like_QNV16375.1_A.b. OXA-51-like_QNV20321.1_A.b.	GDA <mark>M</mark> KA:	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL	MSKE <mark>VKR</mark> V <mark>GYG1</mark> MSKEVKRVGYG1	N <mark>ADIGTQVD</mark> NADIGTQVD	NFWLV <mark>GPLE</mark> NFWLVGPLE	KITPQQEAQ KITPQQEAQ
OXA-51-like_QNV24005.1_A.b. OXA-51-like_QNV27835.1_A.b.	GDAMKA: GDAMKA:	SA <mark>IP</mark> VYQDLARRIGLEL SA <mark>IP</mark> VYQDLARRIGLEL	MSKE <mark>VKR</mark> V <mark>GYG1</mark> MSKE <mark>VKR</mark> VGYG1	N <mark>A</mark> DIGTQVD N <mark>A</mark> DIGTQVD	NFWLVGPLE NFWLVGPLE	KITPQQEAQ KITPQQEAQ
OXA-51-like_QNV31585.1_A.b. OXA-51-like_QPN98293.1_A.b. OXA-51-like_QPO01798.1_A.b.	GDA <mark>MKA</mark>	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL SAIPVYODLARRIGLEL	MSKE <mark>VKR</mark> V <mark>G</mark> YG1	A <mark>DIGTQV</mark> D	NFWLVGPLE NFWLVGPLE NFWLVGPLE	KITPQQEAQ
OXA-51-like_QQD93954.1_A.b. OXA-51-like_QQD94685.1_A.b.	GDAMKAS GDAMKAS	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL	MSKE <mark>VKR</mark> V <mark>GYG1</mark> MSKE <mark>VKR</mark> V <mark>GYG1</mark>	N <mark>A</mark> DIGTQVD N <mark>A</mark> DIGTQVD	NFW <mark>LV</mark> GPLE NFW <mark>LV</mark> GPLE	KIT <mark>PQQEAQ</mark> KITPQQEAQ
OXA-51-like_QQD98482.1_A.b. OXA-51-like_QQE02276.1_A.b.	GDA <mark>MKA</mark>	SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL	MSKE <mark>VKR</mark> V <mark>G</mark> YG1 MSKE <mark>VKRVGYG1</mark>	N <mark>ADIGTQVD</mark> N <mark>ADIGTQV</mark> D	NFWLVGPLE NFWLVGPLE	KITPQQEAQ KITPQQEAQ
OXA-51-like_SBS22256.1_A.b. OXA-51-like_AEP06182.1_A.b.		SAIPVYQDLARRIGLEL SAIPVYQDLARRIGLEL			NFWLVGPLE NFWLVGPLE	

OXA-51-like_ARG02295.1_A.b.	GDA	MKASA	PVYQDLARRIGLELMS	KE <b>VKR</b> V	GYGN AD	IGTQVDNFWL	V <b>GPLKIT</b> PQQEAQ
OXA-51-like_ARG25110.1_A.b.	GDA	MKASA	PVYQDLARRIGLELMS	KE <b>VKR</b> V	GYGN AD	IGTQVDNFWL	V GPLKITPQQEAQ
OXA-51-like_AYC01674.1_A.b.	GDA	M <mark>KASA</mark> I	PVYQDLARRIGLELMS			IGTQVDNFWL	V <mark>GPLKIT</mark> PQQEAQ
OXA-51-like_ATU49292.1_A.b.	GD A	MKASAI	PVYQDLARRIGLELMS	KE <b>VKR</b> V	GYGNAD	IGTQVDNFWL	VGPLKITPQQEAQ
OXA-51-like_ATU52990.1_A.b.	GD A	MKASA	PVYQDLARRIGLELMS	KE <b>VKR</b> V	G <mark>YGN</mark> AD	IGTQVDNFWL	V <mark>GPLKIT</mark> PQQEAQ
OXA-51-like_ATU56628.1_A.b.	GDA	MKASAI	PVYQDLARRIGLELMS			IGTQVDNFWL	V <mark>GPLKIT</mark> PQQEAQ
OXA-51-like_AZK38077.1_A.b.	GDA	MKASAI	PVYQDLARRIGLELMS	KE <b>VKR</b> V	GYGN AD	IGTQVDNFWL	V <mark>GPLKIT</mark> PQQEAQ
OXA-51-like_AZK41733.1_A.b.	GDA	MKASA	PVYQDLARRIGLELMS	KE <b>VKR</b> V	GYGNAD	IGTQVDNFWL	V G P L K I T P Q Q E A Q
OXA-51-like_QAS39909.1_A.b.	GDA	MKASA	PVYQDLARRIGLELMS	KE <b>VKR</b> V	GYGNAD	IGTQVDNFWL	V GPLKITPQQEAQ
OXA-51-like_QAS33473.1_A.b.			PVYQDLARRIGLELMS		GYGN AD	IGTQVDNFWL	
OXA-51-like_ACC56872.1_A.b.	GDA	MKASA	PVYQDLARRIGLELMS	KE <b>VKR</b> V	GYGNAD	IGTQVDNFWL	V G P L K I T P Q Q E A Q
OXA-51-like_ADX91666.1_A.b.	GDA	MKASA	PVYQDLARRIGLELMS	KE <b>VKR</b> V	GYGN AD	IGTQVDNFWL	V GPLKITPQQEAQ
OXA-51-like_ADX92178.1_A.b.			PVYODLARRIGLELMS			IGTOVDNFWL	
OXA-51-like AGQ10228.1 A.b.	GDA	MKASA	PVYODLARRIGLELMS	KEVKRV	GYGN AD	IGTOVDNEWL	
OXA-51-like_ALX99780.1_A.b.	GDA	MKASA	PVYODLARRIGLELMS	KEVKRV	GYGN AD	IGTQVDNFWL	
OXA-51-like_AMC15222.1_A.b.	GDA	MKASA	PVYODLARRIGLELMS	KE <b>VKR</b> V		IGTOVDNFWL	
OXA-51-like_ANB88975.1_A.b.	GDA	MKASA	PVYODLARRIGLELMS	KEVKRV	GYGN AD	IGTOVDNEWL	
OXA-51-like_AOX69607.1_A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like AOX73369.1 A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like_AOX77482.1_A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like_AOX81661.1_A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like AOX85074.1 A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like_AOX88942.1_A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like_AOX92779.1_A.b.			PVYODLARRIGLELMS			IGTQVDNFWL	
OXA-51-like AOX96637.1 A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like_APF43961.1_A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like_APJ23527.1_A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like APM48724.1 A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like_APQ85553.1_A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like_APQ93188.1_A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like AQU55455.1 A.b.			PVYODLARRIGLELMS			IGTOVDNEW	
OXA-51-like_ARF91818.1_A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	. 644-646-64
OXA-51-like_ARF95229.1_A.b.			PVYQDLARRIGLELMS			IGTOVDNEWL	
OXA-51-like ARG04169.1 A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like_ARG09169.1_A.b.			PVYQDLARRIGLELMS			IGTOVDNEWL	
OXA-51-like_ARG09200:1_A.b.			PVYQDLARRIGLELMS			IGTOVDNEWL	
OXA-51-like ARG20812.1 A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like_ARG26815.1_A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like_ATR88137.1_A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like ATU22923.1 A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like_AUG11400.1_A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like_AVE45033.1_A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like AVE90526.1 A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like_AVO88307.1_A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	~ ~ ~
OXA-51-like_AWO15631.1_A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like AWW77770.1 A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like_AWW85353.1_A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like_AXW91373.1_A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like AXX48901.1 A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like_AXX55862.1_A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like_QBA07478.1_A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like QBB77223.1 A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like_QCH33275.1_A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like_QCP15970.1_A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like OCP19079.1 A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like QCP45479.1 A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like_QDR93660.1_A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like QEY27958.1 A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like QIX30833.1 A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like_QIX34674.1_A.b.	-		PVYODLARRIGLELMS			IGTQVDNFWL	
OXA-51-like QIX38631.1 A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like QIX42205.1 A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like_QIX46166.1_A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like QJG69125.1 A.b.			PVYODLARRIGLELMS				VGPLKITPQQEAQ
OXA-51-like_QJG72958.1_A.b.			PVYODLARRIGLELMS				VGPLKITPQQEAQ
OXA-51-like_QJG88231.1_A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like QJG91989.1 A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like_QJG95593.1_A.b.			PVYODLARRIGLELMS				VGPLKITPOQEAQ
OXA-51-like_QJG99403.1_A.b.			PVYODLARRIGLELMS			IGTQVDNFWL	
OXA-51-like QJH07093.1 A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like_QJH10219.1_A.b.			PVYODLARRIGLELMS				VGPLKITPQQEAQ
OXA-51-like_QJH14483.1_A.b.			PVYQDLARRIGLELMS	KE <b>VKR</b> V	GYGN <mark>A</mark> D	IGTQVDNFWL	V GPLKITPQQEAQ
OXA-51-like_QJH17776.1_A.b.			PVYODLARRIGLELMS			IGTOVDNEWL	
OXA-51-like_QJP31173.1_A.b.	- سندالسالسا		PVYQDLARRIGLELMS			_	VGPLKITPQQEAQ
OXA-51-like_QLA73304.1_A.b.			PVYQDLARRIGLELMS	KE <b>VKR</b> V	GYGN <mark>A</mark> D	IGTQVDNFWL	V GPLKITPQQEAQ
OXA-51-like_QNV12531.1_A.b.			PVYQDLARRIGLELMS			IGTQVDNFWL	
OXA-51-like_QAS93855.1_A.b.			PVYQDLARRIGLELMS				VGPLKITPQQEAQ
OXA-51-like_QAT01315.1_A.b.			PVYQDLARRIGLELMS	KE <b>VKR</b> V	GYGN <mark>A</mark> D	IGTQVDNFWV	V GPLKITHQQEAQ
OXA-51-like_QAS97806.1_A.b.			PVYODLARRIGLELMS		GYGN AD	IGTOVDNFWV	V G P L K I T P Q Q E A Q
OXA-51-like_QAT04873.1_A.b.			PVYQDLARRIGLELMS			IGTQVDNFWV	
OXA-51-like_QEE57116.1_A.b.			PVYQDLARRIGLELMS	KE <mark>VKR</mark> V	GYGN <mark>A</mark> D	IGTQVDNFWV	VGPLKITPQQEAQ
OXA-51-like_ADX03652.1_A.b.			QVYQDLARRIGLELMS			IGTQVDNFWL	
OXA-51-like_QCO82814.1_A.b.			QVYQDLARRIGLELMS		GYGNAD	IGTQVDNFWL	
OXA-51-like_AJF81571.1_A.b.			PVYQDLARRIGLELMS	KE <mark>VKR</mark> V	GYGN <mark>A</mark> D	IGTQVDNFWL	VGPLKITPQQEAQ
OXA-51-like_ATP87403.1_A.b.			PVYQDLARRIGLELMS			IGTQVDNFWL	
OXA-51-like_AKA32028.1_A.b.			PVYQDLARRIGLELMS			IGTQVDNFWL	V <mark>GPLKIT</mark> PQQ <b>EAQ</b>
OXA-51-like_ALJ88113.1_A.b.	GDA	MKASA	P <mark>VYQDLARRIGLELM</mark> S			IGTQVDNFWL	
OXA-51-like_ARG31555.1_A.b.			P <mark>VYQDLARRIGLELM</mark> S			IGTQVDNFWL	V <mark>GPLKIT</mark> PQQEAQ
OXA-51-like_ASF77094.1_A.b.			PVYQDLARRIGLELMS			IGTQVDNFWL	V <mark>GPLKIT</mark> PQQ <b>EAQ</b>
OXA-51-like_AVN14185.1_A.b.			P <mark>VYQDLARRIGLELM</mark> S			IGTQVDNFWL	
OXA-51-like_AVN25165.1_A.b.			P <mark>VYQDLARRIGLELM</mark> S			IGTQVDNFWL	
OXA-51-like_AXB14467.1_A.b.			P <mark>VYQDLARRIGLELM</mark> S			IGTQVDNFWL	
$OXA-51-like_QLG79253.1_A.b.$			P <mark>VYQDLARRIGLELM</mark> S			IGTQVDNFWL	
	0000	MKASAI	PVYODLARRIGLELMS	KEVKRV	GYGNAD	IGTQVDNFWL	V G P L K I T P Q Q E A Q
OXA-51-like_QQB68144.1_A.b.							
OXA-51-like_SQI55469.1_A.b.	GDA	M <mark>KASA</mark> I	PVYQDLARRIGLELMS	KE <mark>VKR</mark> V	GYGN <mark>A</mark> D	IGTQVDNFWL	V <mark>GPLKIT</mark> PQQ <b>EAQ</b>
OXA-51-like_SQI55469.1_A.b. OXA-51-like_QJH03197.1_A.b.	GDA GDA	M <mark>KASA</mark> ] M <b>KASA</b> ]	PVYQDLARRIGLELMS	KE <mark>VKR</mark> V KE <b>VKR</b> V	GYGN <mark>A</mark> D GYGNAD	IGTQVDNFWL IGTQVDNFWL	V <mark>GPLKIT</mark> P <mark>QQEAQ</mark> V <b>GPLKIT</b> PQQEAQ
OXA-51-like_SQI55469.1_A.b. OXA-51-like_QJH03197.1_A.b. OXA-51-like_QHB90233.1_A.b.	GDA GDA GDA	MKASA] MKASA] MKASA]	PVYQDLARRIGLELMS PVYQDLARRIGLELMS	KE <mark>VKR</mark> V KE <b>VKR</b> V NE <b>VKR</b> I	GYGNAD GYGNAD GYGNAD	IGTQVDNFWL IGTQVDNFWL IGTQVDNFWL	V <mark>GPLKITPQQEAQ</mark> VGPLKITPQQEAQ VGPLKITPQQEAQ
OXA-51-like_SQI55469.1_A.b. OXA-51-like_QJH03197.1_A.b.	GDA GDA GDA	MKASAI MKASAI MKASAI MKASAI	PVYQDLARRIGLELMS PVYQDLARRIGLELMS PVYQDLARRIGLELMS	KE <mark>VKR</mark> V KE <b>VKR</b> V NE <b>VKR</b> I	G Y G N A D G Y G N A D G Y G N A D G Y G N A D	IGTQVDNFWL IGTQVDNFWL IGTQVDNFWL	V <mark>GPLKITPQQEAQ</mark> VGPLKITPQQEAQ VGPLKITPQQEAQ

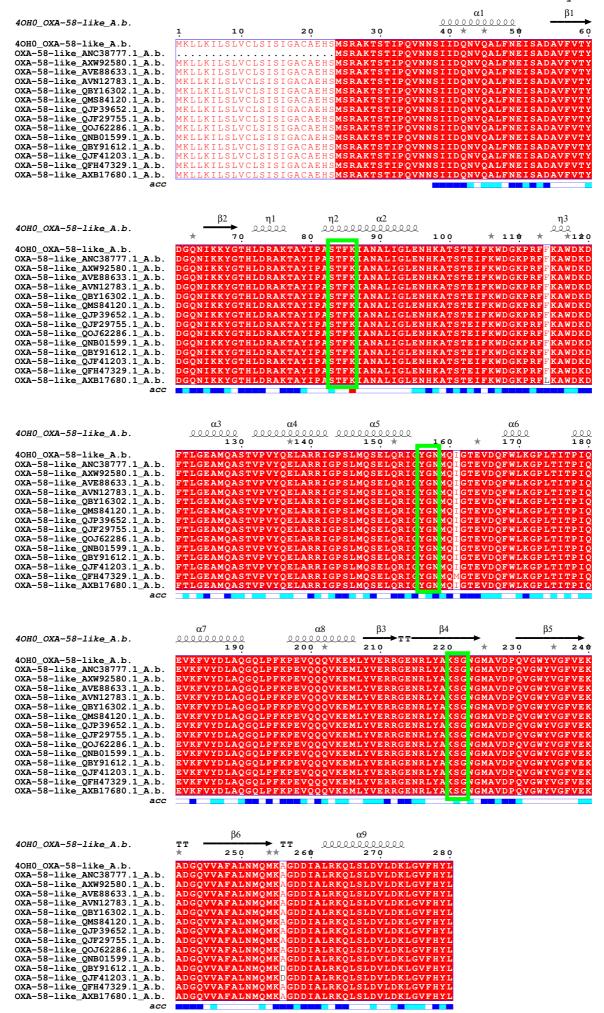
4ZDX Beta-lactamase	α7 000000	α8 000000000	0 0 <del>β3</del> <b>TT</b>	β4 <b>———————— Т Т</b>	β5	- ► тт
4ZDX_Beta-lactamase	190 FAYKLANKTLPE	200	210	220	230	240
OXA-51-like_QLB35675.1_A.b. OXA-51-like_AUT37227.1_A.b.	FAYKLANKTLP F FAYKLANKTLP F	'SPK <mark>VQ</mark> DEVQS	M <mark>LFIEEKNGN</mark> I	KIYAKSGWGWDV KIYAKSGWGWDV	D <b>PQVGWLTG</b> WV	V Q P Q <mark>G</mark>
OXA-51-like_QJF39460.1_A.b. OXA-51-like_QLI40100.1_A.b.	FAYKLANKTLP F FAYKLANKTLP F	'SPK <mark>VQ</mark> D <mark>EVQS</mark>	M <mark>LFIEEKNGN</mark> I	KIYAKSGWGWDV KIYAKSGWGWDV	D <b>PQVGWLTG</b> WV	V Q P Q <mark>G</mark>
OXA-51-like_ARG36573.1_A.b. OXA-51-like_ASO71619.1_A.b.	FAYKLANKTLP F FAYKLANKTLP F	'SPK <mark>VQ</mark> D <mark>EVQS</mark>	M <mark>LFIEEKNGN</mark> I	KIYAKSGWGWDV KIYAKSGWGWDV	D <b>PQVGWLTG</b> WV	
OXA-51-like_AVP34890.1_A.b. OXA-51-like_QCR89674.1_A.b.	FAYKLANKTLP F FAYKLANKTLP F	'SPK <mark>VQ</mark> D <mark>EVQS</mark>	M <mark>LFIEEKNGN</mark>	KIYAKSGWGWDV KIYAKSGWGWDV	D <b>PQVGWLTG</b> WV	VQPQ <mark>G</mark> VQPQ <mark>G</mark>
OXA-51-like_QJH20957.1_A.b. OXA-51-like_QMS82274.1_A.b. OXA-51-like_QCT16238.1 A.b.	FAYKLANKTLPF FAYKLANKTLPF FAYKLANKTLPF	'SPK <mark>VQ</mark> D <mark>EVQS</mark>	M <mark>LFIEEKNGN</mark> I	KIYAKSGWGWDV KIYAKSGWGWDV KIYAKSGWGWDV	D <b>PQVGWLTG</b> WV	V Q P Q <mark>G</mark>
OXA-51-like_QC116238.1_A.b. OXA-51-like_AVF07049.1_A.b. OXA-51-like_AVF08644.1_A.b.	FAYKLANKTLP F FAYKLANKTLP F	'SPK <mark>VQ</mark> D <mark>EVQS</mark>	M <mark>LFIEEKNGN</mark> I	KIYAKSGWGWDV KIYAKSGWGWDV KIYAKSGWGWDV	D <b>PQVGWLTG</b> WV	V Q P Q <mark>G</mark>
OXA-51-like_QBR77846.1_A.b. OXA-51-like_QBR79997.1_A.b.	FAYKLANKTLPE FAYKLANKTLPE	'S <mark>LK</mark> VQDEVQS	M <mark>LFIEEKNGN</mark>	KIYAKSGWGWDV KIYAKSGWGWDV	DPQVGWLTGWV	V Q P Q <mark>G</mark>
OXA-51-like_ABO11944.2_A.b. OXA-51-like_AGH35408.1_A.b.	FAYKLANKTLPF FAYKLANKTLPF	'S <mark>QK</mark> VQ <mark>DEVQS</mark>	M <mark>LFIEEKNGN</mark> I	KIYAKSGWGWDV KIYAKSGWGWDV	D <b>PQVGWLTG</b> WV	V Q P Q <mark>G</mark>
OXA-51-like_BBT49379.1_A.b. OXA-51-like_QAB40708.1_A.b.	FAYKLANKTLP F FAYKLANKTLP F	'SQK <mark>VQ</mark> D <mark>EVQS</mark>	M <mark>LFIEEKNGN</mark>	KIYAKSGWGWDV KIYAKSGWGWDV	D <b>PQVGWLTG</b> WV	V Q P Q <mark>G</mark>
OXA-51-like_QDQ60454.1_A.b. OXA-51-like_QKY23678.1_A.b.	FAYKLANKTLP F FAYKLANKTLP F	'SQK <mark>VQ</mark> D <mark>EVQS</mark>	M <mark>LFIEEKNGN</mark> I	KIYAKSGWGWDV KIYAKSGWGWDV	D <b>PQVGWLTG</b> WV	V Q P Q <mark>G</mark>
OXA-51-like_QLI36478.1_A.b. OXA-51-like_QNT82744.1_A.b. OXA-51-like APX50552.1 A.b.	FAYKLANKTLP F FAYKLANKTLP F	'SQK <mark>VQ</mark> D <mark>EVQS</mark>		KIYA <mark>KSG</mark> WG <mark>W</mark> DV		V Q P Q <mark>G</mark>
OXA-51-like_QER37219.1_A.b. OXA-51-like_QER37219.1_A.b. OXA-51-like_QLF06531.1_A.b.	FAYKLANKTLPF FAYKLANKTLPF FAYKLANKTLPF	'SQK <mark>VQ</mark> D <mark>EVQS</mark>	M <mark>LFIEEKNGN</mark> I	KIYAKSGWGWDV KIYAKSGWGWDV KIYAKSGWGWDV	D <b>PQVGWLTG</b> WV	V Q P Q <mark>G</mark>
OXA-51-like_AGQ06390.1_A.b. OXA-51-like_QCP28577.1_A.b.	FAYKLANKTLP F FAYKLANKTLP F	'SQE <mark>VQ</mark> D <mark>EVQS</mark>	M <mark>LFIEEKNGN</mark> I	KIYAKSGWGWDV		V Q P Q <mark>G</mark>
OXA-51-like_AIY37715.2_A.b. OXA-51-like_APO58838.1_A.b.	FAYKLANKTLP F FAYKLANKTLP F	'SQE <mark>VQ</mark> D <mark>EVQS</mark>	M <mark>LFIEEKNGN</mark> I	KIYAKSGWGWDV KIYAKSGWGWDV	N <b>PQVGWLTG</b> WV	V Q P Q <mark>G</mark>
OXA-51-like_AXX43643.1_A.b. OXA-51-like_QBY14110.1_A.b.	FAYKLANKTLP F FAYKLANKTLP F			KIYAKSGWGWDV		VQPQ <mark>G</mark> VQPQ <b>G</b>
OXA-51-like_QCP23393.1_A.b. OXA-51-like_QJG76604.1_A.b.	FAYKLANKTLP F FAYKLANKTLP F	'SQE <mark>VQ</mark> D <mark>EVQS</mark>	M <mark>LFIEEKNGN</mark> I	KIYAKSG <mark>WG</mark> WDV	N <mark>PQVGWLTG</mark> WV	V Q P Q <mark>G</mark>
OXA-51-like_QJG80512.1_A.b. OXA-51-like_QJG83258.1_A.b.	FAYKLANKTLPF FAYKLANKTLPF	'SQE <mark>VQ</mark> D <mark>EVQS</mark>	M <mark>LFIEEKNGN</mark> I		N <mark>PQVGWLTG</mark> WV	VQPQ <mark>G</mark>
OXA-51-like_QJP37521.1_A.b. OXA-51-like_ARG37991.1_A.b. OXA-51-like AMN01331.1 A.b.	FAYKLANKTLPF FAYKLANKTLPF FAYKLANKTLPF	'SQE <mark>VQ</mark> D <mark>EVQS</mark>		KIYA <mark>KSG</mark> WG <mark>W</mark> DV	N <mark>PQVGWLTG</mark> WV	V Q P Q <mark>G</mark>
OXA-51-like_ARN31023.1_A.b. OXA-51-like_QDM66466.1_A.b.	FAYKLANKTLP F FAYKLANKTLP F	'SQK <mark>VQ</mark> D <mark>EVQS</mark>	M <mark>LFIEEKNGN</mark> I		N <mark>PQVGWLTG</mark> WV	V Q P Q <mark>G</mark>
OXA-51-like_QEY04089.1_A.b. OXA-51-like_QFQ05250.1_A.b.	FAYKLANKTLP F FAYKLANKTLP F	'SQK <mark>VQ</mark> D <mark>EVQS</mark>	MLFIEEKNGN MLFIEEKNGN	KIYA <mark>KSG</mark> WGWDV	N <b>PQVGWLTG</b> WV	
OXA-51-like_QGX51318.1_A.b. OXA-51-like_QPP12630.1_A.b.	FAYKLANKTLP F FAYKLANKTLP F	'SQK <mark>VQ</mark> D <mark>EVQS</mark>		KIYA <mark>KSG</mark> WGWDV	N <mark>PQVGWLTG</mark> WV	V Q P Q <mark>G</mark>
OXA-51-like_QNT83403.1_A.b. OXA-51-like_QPF14787.1_A.b.	FAYKLANKTLP F FAYKLANKTLP F		M <mark>LFIEEKNGN</mark> M <mark>LFIEEKNGN</mark>	KIYAKSGWGWDV KIYAKSGWGWDV	N <mark>PQVGWLTG</mark> WV N <b>PQVGWLTG</b> WV	
OXA-51-like_QJF32440.1_A.b. OXA-51-like_QJF35790.1_A.b.	FAYKLANKTLP F FAYKLANKTLP F	'SQK <mark>VQ</mark> H <mark>EVQS</mark>	M <mark>LFIEEKNGN</mark>		D <b>PQVGWLTG</b> WV	V Q P Q <mark>G</mark>
OXA-51-like_QLF10281.1_A.b. OXA-51-like_AYY52683.1_A.b.	FAYKLANKTLPF FAYKLANKTLPF	'SQK <mark>VQ</mark> D <mark>EVQS</mark>	M <mark>LFIEEKNGN</mark> I	KIYA <mark>KSG</mark> WGWDV	DPQVGWLTGWV DPQVGWLTGWV	V Q P Q <mark>G</mark>
OXA-51-like_SCD15761.1_A.b. OXA-51-like_BAP66909.1_A.b.	FAYKLANKTLPE FAYKLANKTLPE FAYKLANKTLPE	'SQK <mark>VQ</mark> D <mark>EVQS</mark>		KIYAKSGWGWDV KIYAKSGWGWDV KIYAKSGWGWDV		V Q P Q <mark>G</mark>
OXA-51-like_QCP30880.1_A.b. OXA-51-like_QER75560.1_A.b. OXA-51-like_QC080718.1_A.b.	FAYKLANKTLP F FAYKLANKTLP F	'SQK <mark>VQ</mark> D <mark>EVQS</mark>	M <mark>LFIEEKNGN</mark>		D <b>PQVGWLTG</b> WV	V Q P Q <mark>G</mark>
OXA-51-like_QCD18717.1_A.b. OXA-51-like_QCD22484.1_A.b.	FAYKLANKTLP F FAYKLANKTLP F	'SQK <mark>VQ</mark> D <mark>EVQS</mark>	M <mark>LFIEEKNGN</mark> I	KIYA KSGWGLDV KIYA KSGWGLDV	D <b>PQVGWLTG</b> WV	V Q P Q <mark>G</mark>
OXA-51-like_QRN22730.1_A.b. OXA-51-like_QRN17816.1_A.b.	FAYKLANKTLPF FAYKLANKTLPF					
OXA-51-like_QRN09142.1_A.b. OXA-51-like_QRN14361.1_A.b.	FAYKLANKTLP F FAYKLANKTLP F	'SQK <mark>VQ</mark> DEVQS	M <mark>LFIEEKNGN</mark>	KIYA <mark>KSG</mark> WGWDV	D <b>PQVGWLTG</b> WV	V Q P Q <mark>G</mark>
OXA-51-like_AHB91645.1_A.b. OXA-51-like_QEI76099.1_A.b.	FAYKLANKTLP F FAYKLANKTLP F	'SQK <mark>VQ</mark> DEVQS	MLFIEEKNGN	KIYAKSGWGWDV	NPQVGWLTGWI	<b>V</b> QPQ <b>G</b>
OXA-51-like_QBY88347.1_A.b. OXA-51-like_ANC35117.1_A.b. OXA-51-like_APJ19826.1_A.b.	FAYKLANKTLPF FAYKLANKTLPF FAYKLANKTLPF	'SQK <mark>VQ</mark> DEVQS	M <mark>LFIEEKNGN</mark>	KIYAKSGWGWDV	N <mark>PQVGWLTG</mark> WV	VQPQ <mark>G</mark>
OXA-51-like_AVE55122.1_A.b. OXA-51-like_AVO92126.1_A.b.	FAYKLANKTLP F FAYKLANKTLP F	'SQK <mark>VQ</mark> DEVQS	M <mark>LFIEEKNGN</mark>	KIYAKSGWGWDV	NPQVGWLTGWV	V Q P Q <mark>G</mark>
OXA-51-like_AXG84775.1_A.b. OXA-51-like_AXX40472.1 A.b.	FAYKLANKTLPF FAYKLANKTLPF	SOKVODEVOS	MLFIEEKNGN	KIYAKSGWGWDV	NPOVGWLTGWV	VOPOG
OXA-51-like_AYY89494.1_A.b. OXA-51-like_QFH45392.1_A.b.	FAYKLANKTLPF FAYKLANKTLPF	'SQK <mark>VQ</mark> DEVQS 'SQKVQDEVQS	M <mark>LFIEEKNGN</mark> MLFIEEKNGN	KIYAKSGWGWDV KIYAKSGWGWDV	N <mark>PQVGWLTG</mark> WV N <b>PQVGWLTG</b> WV	VQPQ <mark>G</mark> VQPQ <b>G</b>
OXA-51-like_QFY69235.1_A.b. OXA-51-like_QJF27678.1_A.b.	FAYKLANKTLP F FAYKLANKTLP F	'SQK <mark>VQ</mark> DEVQS	M <mark>LFIEEKNGN</mark> I	KIYAKSGWGWDV	NPQVGWLTGWV	V Q P Q <mark>G</mark>
OXA-51-like_AML74598.1_A.b. OXA-51-like_AOP62964.1_A.b.	FAYKLANKTLP F FAYKLANKTLP F	'SQK <mark>VQ</mark> DEVQS	M <mark>LFIEEKNGN</mark>	KIYA <mark>KSG</mark> WGWDV	N <mark>PQVGWLTG</mark> WV	V Q P Q <mark>G</mark>
OXA-51-like_AFU38004.1_A.b. OXA-51-like_AML67359.1_A.b. OXA-51-like_AML71041.1_A.b.	FAYKLANKTLPF FAYKLANKTLPF FAYKLANKTLPF	'SOK <mark>VO</mark> DEVOS	MLFIEEKNGN	KIYAKSGWGWDV	NPOVGWLTGWV	V O P O G
OXA-51-like_AML63873.1_A.b. OXA-51-like_QKK74898.1_A.b.	FAYKLANKTLP F FAYKLANKTLP F	'SQK <mark>VQ</mark> DEVQS	M <mark>LFIEEKNGN</mark> I	KIYAKSGWGWDV	NPQVGWLTGWV	VQPQ <mark>G</mark>
OXA-51-like_QFX70271.1_A.b. OXA-51-like_QEK67468.1_A.b.	FAYKLANKTLPF FAYKLANKTLPF	'SQK <mark>VQ</mark> DEVQS	M <mark>LFIEEKNGN</mark> I	KIYAKSGWGWDV	N <b>PQVGWLTG</b> WV	V Q P Q <mark>G</mark>
OXA-51-like_QEK74707.1_A.b. OXA-51-like_QEK71081.1_A.b.	FAYKLANKTLPF FAYKLANKTLPF	'SOK <mark>VO</mark> DEVOS	MLFIEEKNGN	KIYAKSGWGWDV	NPOVGWLTGWV	V O P O G
OXA-51-like_QFZ58831.1_A.b. OXA-51-like_QAS47153.1_A.b.	FAYKLANKTLPF FAYKLANKTLPF	'SQKVQDEVQS 'SQKVQDEVQS	M <mark>LFIEEKNGN</mark> M <mark>LFIEEKNGN</mark>	KIYAKSGWGWDV KIYAKSGWGWDV	NPQVGWLTGWV NPQVGWLTGWV	VQPQ <mark>G</mark> VQPQ <b>G</b>
OXA-51-like_QAS43533.1_A.b. OXA-51-like_QNV16375.1_A.b.	FAYKLANKTLP F FAYKLANKTLP F	'SQK <mark>VQ</mark> D <mark>EVQS</mark>	M <mark>LFIEEKNGN</mark> I	KIYAKSGWGWDV	N <mark>PQVGWLTG</mark> WV	V Q P Q <mark>G</mark>
OXA-51-like_QNV20321.1_A.b. OXA-51-like_QNV24005.1_A.b.	FAYKLANKTLP F FAYKLANKTLP F	'SQK <mark>VQ</mark> DEVQS	M <mark>LFIEEKNGN</mark> I	KIYAKSGWGWDV	N <b>PQVGWLTG</b> WV	V Q P Q <mark>G</mark>
OXA-51-like_QNV27835.1_A.b. OXA-51-like_QNV31585.1_A.b. OXA-51-like_QPN98293.1_A.b.	FAYKLANKTLPF FAYKLANKTLPF FAYKLANKTLPF	'SQK <mark>VQ</mark> DEVQS	MLFIEEKNGN:	KIYAKSGWGWDV	N <b>PQVGWLTG</b> WV	V Q P Q <mark>G</mark>
OXA-51-like_QPO01798.1_A.b. OXA-51-like_QQD93954.1_A.b.	FAYKLANKTLP F FAYKLANKTLP F	'SQK <mark>VQ</mark> DEVQS	M <mark>LFIEEKNGN</mark>	KIYAKSGWGWDV	N <mark>PQVGWLTG</mark> WV	VQPQ <mark>G</mark>
OXA-51-like_QQD94685.1_A.b. OXA-51-like_QQD98482.1_A.b.	FAYKLANKTLP F FAYKLANKTLP F	'SQK <mark>VQDEVQS</mark>	M <mark>LFIEEKNGN</mark> M <mark>LFIEEKNGN</mark>	KIYAKSGWGWDV KIYAKSGWGWDV	N <mark>PQVGWLTG</mark> WV N <b>PQVGWLTG</b> WV	VQPQ <mark>G</mark> VQPQ <mark>G</mark>
OXA-51-like_QQE02276.1_A.b. OXA-51-like_SBS22256.1_A.b.	FAYKLANKTLPE FAYKLANKTLPE	'SQK <mark>VQ</mark> D <mark>EVQS</mark> 'SQK <mark>VQDEVQS</mark>	M <mark>LFIEEKNGN</mark> M <b>LFIEEKNGN</b>	KIYAKSGWGWDV KIYAKSGWGWDV	N <mark>PQVGWLTG</mark> WV N <b>PQVGWLTG</b> WV	VQPQ <mark>G</mark> VQPQ <b>G</b>
OXA-51-like_AEP06182.1_A.b.	FAYKLANKTLPE	'SQK <mark>VQ</mark> D <mark>EVQ</mark> S	MLFIEEKNGN	KIYA KSGWGWDV	N <b>PQVGWLTG</b> WV	<b>V</b> QPQ <b>G</b>

GAR-13-11-14. ABG022281 A. b. B. C.			
Cha-5-1-11ke AP015071 A. b.  Cha-5-1-11ke AP015081 A. b.  Cha-6-1-11ke AP015081 A. b.  Cha-6-1-11ke AP0	OXA-51-like_ARG02295.1_A.b.	FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIY/KSG NGWDVNPQVGWLTGW	VVQPQG
CAR-3-1-11-12-APT-01672-13-A-B-	OXA-51-like ARG25110.1 A.b.	FAYKLANKTLPFSOKVODEVOSMLFIEEKNGNKIY/KSGWGWDVNPOVGWLTGW	V <mark>V</mark> OPO <b>G</b>
CAR-3-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-		FAYKLANKTLPFSOKVODEVOSMLFIEEKNGNKIYAKSG WGWDVNPOVGWLTGW	VVOPOG
0A3-5-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-			
02A-5-1-1ke AUSS1073 1. A. b. VILLEY TO THE STATE OF THE			
02A-51-11ke ANS199071 A B. V.			
02A-5-1-1ke AUSS1990   A. B. VILLAM PLUE   V. V. B. F. KROSKIV   S. G. V. V. G. F. KROSKIV   S. G. V. V. B. F. KRO			
0243-5-1146, 0353973   A. B.			
02A-5-1-11ke_ACX5217k 1, A b. VILLAM TIPE   V.			
02A-5-1-11ke A0010228 1 A b			
02A-5-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-			
OXA-51-11ke AUCS1271 1, A. b. AVIANTIF 5 OV V V D FIREWORK			
02A-5-1-1ke A0210222 1, A.B.			
02A-5-1-1ke ANGS9071.A.b. OVER 15 10 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
ORA-51-LIKE_MENESSYSI_A.B. DAVIANTERS   V V V			
ORA-5-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-			
ORA-5-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-			
ORA-51-LIKE ACCTISES 1, A.B. DAVIANNEDS 0 V VV DE PIERROREY SEG 0 DY SYNEL OF THE CONTROL OF THE			
0XA-51-like AD07162 1 A.b.  AXLANKIDES OVER STEEN NORMALY SECTION OF VOLUME			
0XA-51-like A0X81611 A.b.  0XA-51-like A0X81671 A.b.  0XA-51-like A0X95077 9 I.A.b.  0XA-51-like A0X95077 1 I.A.b.  0XA-51-l			
0XA-51-like ACCS057 1 A. b.  0XA-51-like ACCS			
OXA-51-Like AD081291 1 A.b.  AXXANITIPS OVER SYSTEEMINNING SEC TO SYSTEEMIN STATE OF THE PROPERTY OF THE PROPE			
0XA-5-1-11ke ANCOSCOT 1. A.b.			
0XA-51-11ke ACCOSCO 1.A.b. 0XA-51-11ke ARCOSCO 1			
OXA-51-like AR03401; 1 A.b.   AXKANNIPPS   VO VVS   FIRENDRINI KS OF   N. VVS   VS   VS   VS   VS   VS   VS   VS			
0XA-51-like APU23237. LA. b. FAYLANKTIPPS 0XV 0XV 0X FIRENORMIY 80 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0			
0XA-51-like APM64724.1A.b. b. TAYKLANKTIPFS 0X 0			
OXA-5-1-11ke APQ85158.1.A.b. b. AVX.ANKT.PFE   VO   VO   VV   S. FIEENORKIY   S. G. OV   VO   VO   O   OXA-5-1-11ke APQ85188.1.A.b. b. AVX.ANKT.PFE   VV   VO   VV   S. FIEENORKIY   S. G. OV   VO   VV   VV   O   OXA-5-1-11ke APQ85181.1.A.b. b. AVX.ANKT.PFE   VV   VV   VV   VV   VV   VV   VV			
CXA-51-like AP03188.1.A.b. FAYKLANKTEPFS 0 V 0 V 0 S 0 FIRENORMIY ESG 0 V 0 V 0 V 0 C 0 C 0 C 0 C 0 C 0 C 0 C			
0XA-5-1-11ke AR954818.1.A.b.			~ ~
OXA-51-11ke ARF91818.1.A.b. PAYKLANKTIPPS RVO BVOS PIEERNOKIY RSG C VV CVCVPTC VC COXA-51-11ke ARG0163.1.A.b. PAYKLANKTIPPS RVO BVOS VC SVS BIEERNOKIY RSG C VV CVCVPTC VC COXA-51-11ke ARG01612.1.A.b. PAYKLANKTIPPS RVO BVOS PIEERNOKIY RSG C V CVCVPTC VC COXA-51-11ke ARG01612.1.A.b. PAYKLANKTIPPS RVO BVOS PIEERNOKIY RSG C V CVCVPTC VC COXA-51-11ke ARG26151.1.A.b. PAYKLANKTIPPS RVO BVOS PIEERNOKIY RSG C V CVCVPTC VC COXA-51-11ke ARG26151.1.A.b. PAYKLANKTIPPS RVO BVOS PIEERNOKIY RSG C V CVCVPTC VC COXA-51-11ke ARG26151.1.A.b. PAYKLANKTIPPS RVO BVOS PIEERNOKIY RSG C V CVCVPTC VC COXA-51-11ke ARG26151.1.A.b. PAYKLANKTIPPS RVO BVOS PIEERNOKIY RSG C V CVCVPTC VC COXA-51-11ke ARG26151.1.A.b. PAYKLANKTIPPS RVO BVOS PIEERNOKIY RSG C V CVCVPTC VC COXA-51-11ke ARG01610.1.A.b. PAYKLANKTIPPS RVO BVOS PIEERNOKIY RSG C V CVCVPTC VC COXA-51-11ke ARG01610.1.A.b. PAYKLANKTIPPS RVO BVOS PIEERNOKIY RSG C V CVCVPTC VC COXA-51-11ke ARG01610.1.A.b. PAYKLANKTIPPS RVO BVOS PIEERNOKIY RSG C V CVCVPTC VC COXA-51-11ke ARG01610.1.A.b. PAYKLANKTIPPS RVO BVOS PIEERNOKIY RSG C V CVCVPTC VC COXA-51-11ke ARW08052.1.A.b. PAYKLANKTIPPS RVO BVOS PIEERNOKIY RSG C V CVCVPTC VC COXA-51-11ke ARW08052.1.A.b. PAYKLANKTIPPS RVO BVOS PIEERNOKIY RSG C V CVCVPTC VC COXA-51-11ke ARW08052.1.A.b. PAYKLANKTIPPS RVO BVOS PIEERNOKIY RSG C V CVCVPTC VC COXA-51-11ke ARW08052.1.A.b. PAYKLANKTIPPS RVO BVOS PIEERNOKIY RSG C V CVCVPTC VC COXA-51-11ke ARW08052.1.A.b. PAYKLANKTIPPS RVO BVOS PIEERNOKIY RSG C V CVCVPTC VC COXA-51-11ke ARW08052.1.A.b. PAYKLANKTIPPS RVO BVOS PIEERNOKIY RSG C V CVCVPTC VC COXA-51-11ke ARW08052.1.A.b. PAYKLANKTIPPS RVO BVOS PIEERNOKIY RSG C V CVCVPTC VC COXA-51-11ke ARW08052.1.A.b. PAYKLANKTIPPS RVO BVOS PIEERNOKIY RSG C V CVCVPTC VC COXA-51-11ke ARW08052.1.A.b. PAYKLANKTIPPS RVO BVOS PIEERNOKIY RSG C V CVCVPTC VC COXA-51-11ke QR07078.1.A.b. PAYKLANKTIPPS RVO BVOS PIEERNOKIY RSG C V CVCVPTC VC COXA-51-11ke QR07078.1.A.b. PAYKLANKTIPPS RVO BVOS PIEERNOKIY RSG C V CVCVPTC VC COXA-51-11ke QR07078.1.A.b. PAYKLANKTIPPS RVO BVOS PIEERNOKIY RSG C V CVC			
0XA-51-11ke AR091691			
0XA-51-11ke ARGO4169 1 A. b. 9XYLANKIPFS 0V0 VV0 VV0 PIERNGKIY KSG 0 V 9V0WICG VV0 O CAA-51-11ke ARG042615 1 A. b. 9XYLANKIPFS 0V0 VV0 VV0 PIERNGKYY KSG 0 V 9V0WICG VV0 O CAA-51-11ke ARG04813 1 A. b. 9XYLANKIPFS 0V0 VV0 VV0 PIERNGKYY KSG 0 V 9V0WICG VV0 C CAA-51-11ke ARG04813 1 A. b. 9XYLANKIPFS 0V0 VV0 VV0 PIERNGKYY KSG 0 V 9V0WICG VV0 C CAA-51-11ke ARG04813 1 A. b. 9XYLANKIPFS 0V0 VV0 VV0 PIERNGKYY KSG 0 V 9V0WICG VV0 C CAA-51-11ke ARG04813 1 A. b. 9XYLANKIPFS 0V0 VV0 VV0 PIERNGKYY KSG 0 V 9V0WICG VV0 VV0 PIERNGKYY KSG 0 V 9V0WICG VV0 PIERNGKY WSG 0 V 9V0WICG			
0XA-51-like ARG09260.1 A. b. 0XA-51-like ARG14121 A. b. 1 ALKINKILPFS 0VC			
0XA-51-11ke ARCIA122.1 A.b.			
0XA-51-11ka ARG26815 1 A. b. 74XKANKIPFS 0VC 9VC 9VC 9VF 1ERNGKIY 85 G 0V 9VG 9VG 1CG 0V 9 C 0 C 0XA-51-11ka ARG26815 1 A. b. 74XKANKIPFS 0VC 9VC 9VC 9VF 1ERNGKYY 85 G 0V 9VG 9VG 1CG 0V 9 C 0 C 0XA-51-11ka AVG5033 1 A. b. 74XKANKIPFS 0VC 9VC 9VC 9VF 1ERNGKYY 85 G 0V 9VG 9VG 1CG 0V 9 C 0 C 0XA-51-11ka AVG5033 1 A. b. 74XKANKIPFS 0VC 9VC 9VC 9VF 1ERNGKYY 85 G 0V 9VG 9VG 1CG 0V 9 C 0 C 0XA-51-11ka AVG5033 1 A. b. 74XKANKIPFS 0VC 9VC 9VC 9VC 9VC 9VC 9VC 9VC 9VC 9VC 9			
0XA-51-11ke ARG26815.1 A.b. PAYKLANKILPS 0XV0 SV0 BIFTERNONNIY KSO 0 00 NP 0VWLT GWV VP 00 COXA-51-11ke AT02293.1 A.b. PAYKLANKILPS 0XV0 SV0 BIFTERNONNIY KSO 0 00 NP 0VWLT GWV VP 00 COXA-51-11ke AT02293.1 A.b. PAYKLANKILPS 0XV0 SV0 BIFTERNONNIY KSO 0 00 NP 0VWLT GWV VP 00 COXA-51-11ke AVG9036.1 A.b. PAYKLANKILPS 0XV0 SV0 BIFTERNONNIY KSO 0 00 NP 0VWLT GWV VP 00 COXA-51-11ke AVG9036.1 A.b. PAYKLANKILPS 0XV0 SV0 BIFTERNONNIY KSO 0 00 NP 0VWLT GWV VP 00 COXA-51-11ke AVG9036.1 A.b. PAYKLANKILPS 0XV0 SV0 BIFTERNONNIY KSO 0 00 NP 0VWLT GWV VP 00 COXA-51-11ke AWG9036.1 A.b. PAYKLANKILPS 0XV0 SV0 BIFTERNONNIY KSO 0 00 NP 0VWLT GWV VP 00 COXA-51-11ke AWG9035.1 A.b. PAYKLANKILPS 0XV0 SV0 BIFTERNONNIY KSO 0 00 NP 0VWLT GWV VP 00 COXA-51-11ke AWG9035.1 A.b. PAYKLANKILPS 0XV0 SV0 BIFTERNONNIY KSO 0 00 NP 0VWLT GWV VP 00 COXA-51-11ke AWG9035.1 A.b. PAYKLANKILPS 0XV0 SV0 BIFTERNONNIY KSO 0 00 NP 0VWLT GWV VP 00 COXA-51-11ke AWG9035.1 A.b. PAYKLANKILPS 0XV0 SV0 BIFTERNONNIY KSO 0 00 NP 0VWLT GWV VP 00 COXA-51-11ke COXA-			
OXA-51-11&A ATTERNATION AND ATTERNATION OF THE PROPERTY OF THE			
OXA-51-11ke_AUG1400.1 A.b.  AND SALANETLEPS ON CO. SECTION FOR CO. SECTION STATES OF CO.	OXA-51-like_ARG26815.1_A.b.	FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYFKSGWGWDVNPQVGWLTGW	V <mark>V</mark> QPQ <mark>G</mark>
OXA-51-11ke_AUG11400.1 A.b.  PAYKLANKTLPFS 0 VO D VO SUCS LEIEEKNONITY KS 0 00 DN POVENLE GWY 0 PO COXA-51-11ke_AV7850326.1 A.b.  PAYKLANKTLPFS 0 VO D VO SUCS LEIEEKNONITY KS 0 00 DN POVENLE GWY 0 PO COXA-51-11ke_AV85036.1 A.b.  PAYKLANKTLPFS 0 VO D VO SUCS LEIEEKNONITY KS 0 00 DN POVENLE GWY 0 PO COXA-51-11ke_AV85036.1 A.b.  PAYKLANKTLPFS 0 VO SUCS LEIEEKNONITY KS 0 00 DN POVENLE GWY 0 PO COXA-51-11ke_AW85735.1 A.b.  PAYKLANKTLPFS 0 VO SUCS LEIEEKNONITY KS 0 00 DN POVENLE GWY 0 PO COXA-51-11ke_AW87373.1 A.b.  PAYKLANKTLPFS 0 VO SUCS LEIEEKNONITY KS 0 00 DN POVENLE GWY 0 PO COXA-51-11ke_AXW89333.1 A.b.  PAYKLANKTLPFS 0 VO SUCS LEIEEKNONITY KS 0 00 DN POVENLE GWY 0 PO COXA-51-11ke_AXW89333.1 A.b.  PAYKLANKTLPFS 0 VO SUCS LEIEEKNONITY KS 0 00 DN POVENLE GWY 0 PO COXA-51-11ke_AXW89333.1 A.b.  PAYKLANKTLPFS 0 VO SUCS LEIEEKNONITY KS 0 00 DN POVENLE GWY 0 PO COXA-51-11ke_COXA-51-11	OXA-51-like_ATR88137.1_A.b.	FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG VGWDVNPQVGWLTGW	
OXA-51-11ke AYMS033.1 A.b.	OXA-51-like_ATU22923.1_A.b.		V <mark>V</mark> QPQ <b>G</b>
OXA-51-11ke AVB90326.1 A.b.  FAYKLANKTEPFS ON VO EVG S LIFEENONKIYERS OF WO DVOWLTG WV DPG COXA-51-11ke AND AVB937.1 A.b.  FAYKLANKTEPFS ON VO EVG S LIFEENONKIYERS OF WO DVOWLTG WV DPG COXA-51-11ke AND AVB937.1 A.b.  FAYKLANKTEPFS ON VO EVG S LIFEENONKIYERS OF WO DVOWLTG WV DPG COXA-51-11ke AND AVB938.1 A.b.  FAYKLANKTEPFS ON VO EVG S LIFEENONKIYERS OF WO DVOWLTG WV DPG COXA-51-11ke AND AVB938.1 A.b.  FAYKLANKTEPFS ON VO EVG S LIFEENONKIYERS OF WO DVOWLTG WV DPG COXA-51-11ke AND AVB938.1 A.b.  FAYKLANKTEPFS ON VO EVG S LIFEENONKIYERS OF WO EVG S LIFEENONK	OXA-51-like_AUG11400.1_A.b.	FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYFKSGWGWDVNPQVGWLTGW	V <mark>V</mark> QPQ <mark>G</mark>
OXA-51-11ke ANOBS307.1 A.b.  OXA-51-1ke ANOBS307.1 A.b.  OXA-51-1ke ANOTYT70.1 A.B.  FAYKLANKTLPFS OX OZ BYOS BIJEEKNONKIYIKSG CG DVN DYOWLTG WV DPG CO  OXA-51-1ke ANOTYT70.1 A.B.  FAYKLANKTLPFS OX OZ BYOS BIJEEKNONKIYIKSG CG DVN DYOWLTG WV DPG CO  OXA-51-1ke ANOTYT70.1 A.B.  FAYKLANKTLPFS OX OZ BYOS BIJEEKNONKIYIKSG CG DVN DYOWLTG WV DPG CO  OXA-51-1ke ANOTYT AND FAYKLANKTLPFS OX OZ BYOS BIJEEKNONKIYIKSG CG DVN DYOWLTG WV DPG CO  OXA-51-1ke OZ BYOS BYOS BYOS BYOS BYOS BYOS BYOS BYOS	OXA-51-like_AVE45033.1_A.b.	FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG VGWDVNPQVGWLTGW	
OXA-51-11ke AM015631.1 A.b.  FAYKLANKIPFS ON VO EVOS LIFIERNONKIYIRSG CO DV NO VOWLTG GWV DO COXA-51-11ke AMW01573.1 A.b.  FAYKLANKIPFS ON VO EVOS LIFIERNONKIYIRSG CO DV NO VOWLTG GWV DO COXA-51-11ke AXM01573.1 A.b.  FAYKLANKIPFS ON VO EVOS LIFIERNONKIYIRSG CO DV NO VOWLTG GWV DO COXA-51-11ke AXM01573.1 A.b.  FAYKLANKIPFS ON VO EVOS LIFIERNONKIYIRSG CO DV NO VOWLTG GWV DO COXA-51-11ke QM017478.1 A.b.  FAYKLANKIPFS ON VO EVOS LIFIERNONKIYIRSG CO DV NO VOWLTG GWV DO COXA-51-11ke QM017478.1 A.b.  FAYKLANKIPFS ON VO EVOS LIFIERNONKIYIRSG CO DV NO VOWLTG GWV DO COXA-51-11ke QM017479.1 A.b.  FAYKLANKIPFS ON VO EVOS LIFIERNONKIYIRSG CO DV NO VOWLTG GWV DE COXA-51-11ke QM017479.1 A.b.  FAYKLANKIPFS ON VO EVOS LIFIERNONKIYIRSG CO DV NO VOWLTG GWV DE COXA-51-11ke QM017479.1 A.b.  FAYKLANKIPFS ON VO EVOS LIFIERNONKIYIRSG CO DV NO VOWLTG GWV DE COXA-51-11ke QM017479.1 A.b.  FAYKLANKIPFS ON VO EVOS LIFIERNONKIYIRSG CO DV NO VOWLTG GWV DE COXA-51-11ke QM017479.1 A.b.  FAYKLANKIPFS ON VO EVOS LIFIERNONKIYIRSG CO DV NO VOWLTG GWV DE COXA-51-11ke QM017479.1 A.b.  FAYKLANKIPFS ON VO EVOS LIFIERNONKIYIRSG CO DV NO VOWLTG GWV DE COXA-51-11ke QM017479.1 A.b.  FAYKLANKIPFS ON VO EVOS LIFIERNONKIYIRSG CO DV NO VOWLTG GWV DE COXA-51-11ke QM017479.1 A.b.  FAYKLANKIPFS ON VO EVOS LIFIERNONKIYIRSG CO DV NO VOWLTG GWV DE COXA-51-11ke QM017479.1 A.b.  FAYKLANKIPFS ON VO EVOS LIFIERNONKIYIRSG CO DV NO VOWLTG GWV DE COXA-51-11ke QM017479.1 A.b.  FAYKLANKIPFS ON VO EVOS LIFIERNONKIYIRSG CO DV NO VOWLTG GWV DE COXA-51-11ke QM017479.1 A.b.  FAYKLANKIPFS ON VO EVOS LIFIERNONKIYIRSG CO DV NO VOWLTG GWV DE COXA-51-11ke QM017479.1 A.b.  FAYKLANKIPFS ON VO EVOS LIFIERNONKIYIRSG CO DV NO VOWLTG GWV DE COXA-51-11ke QM017479.1 A.b.  FAYKLANKIPFS ON VO EVOS LIFIERNONKIYIRSG CO DV NO VOWLTG GWV DE COXA-51-11ke QM017479.1 A.b.  FAYKLANKIPFS ON VO EVOS LIFIERNONKIYIRSG CO DV NO VOWLTG GWV DE COXA-51-11ke QM017479.1 A.b.  FAYKLANKIPFS ON VO EVOS LIFIERNONKIYIRSG CO DV NO VOWLTG GWV DE COXA-51-11ke QM017479.1 A.b.  FAYKLANKIPFS ON VO EVOS LIFIERNONKIYIRSG CO	OXA-51-like_AVE90526.1_A.b.		V <mark>V</mark> QPQ <b>G</b>
OXA-51-11ke AWW31373.1 A.b. PAYKLANKTUPFS 0 VO BVOS BIFERNOSKIY KSS 0 0 DV POUNTG WV PPG OXA-51-11ke AWW31373.1 A.b. PAYKLANKTUPFS 0 VO BVOS BIFERNOSKIY KSS 0 0 DV POUNTG WV PPG OXA-51-11ke AXX48901.1 A.b. PAYKLANKTUPFS 0 VO BVOS BIFERNOSKIY KSS 0 0 DV POUNTG WV PPG OXA-51-11ke AXX48901.1 A.b. PAYKLANKTUPFS 0 VO BVOS BIFERNOSKIY KSS 0 0 DV POUNTG WV PPG OXA-51-11ke AXX48901.1 A.b. PAYKLANKTUPFS 0 VO BVOS BIFERNOSKIY KSS 0 0 DV POUNTG WV PPG OXA-51-11ke OXA-5	OXA-51-like_AVO88307.1_A.b.	FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG VGWDVNPQVGWLTGW	V <mark>V</mark> QPQ <mark>G</mark>
OXA-51-11ke AWW9333.1 A.b. PAYKLANKTUPFS & VO BVO S   FIERNOSKIY SS C 0 DV POUNTG VVO PC OXA-51-11ke AXX5862   A.b. PAYKLANKTUPFS & VO BVO S   FIERNOSKIY SS C 0 DV POUNTG VVO PC OXA-51-11ke AXX5862   A.b. PAYKLANKTUPFS & VO BVO S   FIERNOSKIY SS C 0 DV POUNTG VVO PC OXA-51-11ke QB877223   A.b. PAYKLANKTUPFS & VO BVO S   FIERNOSKIY SS C 0 DV POUNTG VVO PC OXA-51-11ke QB877223   A.b. PAYKLANKTUPFS & VO BVO S   FIERNOSKIY SS C 0 DV POUNTG VVO PC OXA-51-11ke QB877223   A.b. PAYKLANKTUPFS & VO BVO S   FIERNOSKIY SS C 0 DV POUNTG VVO PC OXA-51-11ke QCB3775   A.b. PAYKLANKTUPFS & VO BVO S   FIERNOSKIY SS C 0 DV POUNTG VVO PC OXA-51-11ke QCB4779   A.b. PAYKLANKTUPFS & VO BVO S   FIERNOSKIY SS C 0 DV POUNTG VVO PC OXA-51-11ke QCB4779   A.b. PAYKLANKTUPFS & VO BVO S   FIERNOSKIY SS C 0 DV POUNTG VVO PC OXA-51-11ke QCB4779   A.b. PAYKLANKTUPFS & VO BVO S   FIERNOSKIY SS C 0 DV POUNTG VVO PC OXA-51-11ke QCB4779   A.b. PAYKLANKTUPFS & VO BVO S   FIERNOSKIY SS C 0 DV POUNTG VVO PC OXA-51-11ke QCB4779   A.b. PAYKLANKTUPFS & VO BVO S   FIERNOSKIY SS C 0 DV POUNTG VVO PC OXA-51-11ke QCB4779   A.b. PAYKLANKTUPFS & VO BVO S   FIERNOSKIY SS C 0 DV POUNTG VVO PC OXA-51-11ke QCB4779   A.B. PAYKLANKTUPFS & VO BVO S   FIERNOSKIY SS C 0 DV POUNTG VVO PC OXA-51-11ke QCB4779   A.B. PAYKLANKTUPFS & VO BVO S   FIERNOSKIY SS C 0 DV POUNTG VVO PC OXA-51-11ke QCB4779   A.B. PAYKLANKTUPFS & VO BVO S   FIERNOSKIY SS C 0 DV POUNTG VVO PC OXA-51-11ke QCB4779   A.B. PAYKLANKTUPFS & VO BVO S   FIERNOSKIY SS C 0 DV POUNTG VVO PC OXA-51-11ke QCB4779   A.B. PAYKLANKTUPFS & VO BVO S   FIERNOSKIY SS C 0 DV POUNTG VVO PC OXA-51-11ke QCB4779   A.B. PAYKLANKTUPFS & VO BVO S   FIERNOSKIY SS C 0 DV POUNTG VVO PC OXA-51-11ke QCB4779   A.B. PAYKLANKTUPFS & VO BVO S   FIERNOSKIY SS C 0 DV POUNTG VVO PC OXA-51-11ke QCB4779   A.B. PAYKLANKTUPFS & VO BVO S   FIERNOSKIY SS C 0 DV POUNTG VVO PC OXA-51-11ke QCB4779   A.B. PAYKLANKTUPFS & VO BVO S   FIERNOSKIY SS C 0 DV POUNTG VVO PC OXA-51-11ke QCB4779   A.B. PAYKLANKTUPFS & VO BVO S   FIERNOSKIY SS C 0 DV POUNTG VVO	OXA-51-like_AWO15631.1_A.b.		V <mark>V</mark> QPQ <b>G</b>
OXA-51-11ke AXX8901.1 A.b.	OXA-51-like_AWW77770.1_A.b.	FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG VGWDVNPQVGWLTGW	V <mark>V</mark> QPQ <b>G</b>
OXA-51-11ke AXX5801.1 A.b.	OXA-51-like_AWW85353.1_A.b.	FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG VGWDVNPQVGWLTGW	V <mark>V</mark> QPQ <mark>G</mark>
OXA-51-11ke QBA0748.1 A.b. OXA-51-11ke QCF1970.1	OXA-51-like_AXW91373.1_A.b.	FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG VGWDVNPQVGWLTGW	V <mark>V</mark> QPQ <b>G</b>
OXA-51-11ke QB807478.1 A.b.   OXA-51-11ke QB87223.1 A.b.   OXA-51-11ke QB87223.1 A.b.   OXA-51-11ke QB87223.1 A.b.   OXA-51-11ke QB8723.1 A.b.	OXA-51-like_AXX48901.1_A.b.	FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYFKSGWGWDVNPQVGWLTGW	V <mark>V</mark> QPQ <b>G</b>
OXA-51-like QBB77223.1 A.b. OXA-51-like QCB15970.1 A.b. OXA-51-like QCF15970.1 A.b. OX	$OXA-51-like\_AXX55862.1\_A.b.$	FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG NGWDVNPQVGWLTGW	V <mark>V</mark> QPQ <mark>G</mark>
OXA-51-11ke_QCP19079.1 A.b.	OXA-51-like_QBA07478.1_A.b.	FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG NGWDVNPQVGWLTGW	V <mark>V</mark> QPQ <mark>G</mark>
OXA-51-11ke_QCP1970.1 A.b.	OXA-51-like_QBB77223.1_A.b.	FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYFKSGWGWDVNPQVGWLTGW	V <mark>V</mark> QPQ <b>G</b>
OXA-51-11ke_QCP19079.1 A.b.	OXA-51-like_QCH33275.1_A.b.	FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG NGWDVNPQVGWLTGW	V <mark>V</mark> QPQ <mark>G</mark>
OXA-51-like QCP45479.1.A.b.  OXA-51-like QRP3660.1.A.b.  OXA-51-like QRP37988.1.A.b.  OXA-51-like QRY27988.1.A.b.  OXA-51-like QRY37988.1.A.b.  OXA-51-like QRX34674.1.A.b.  OXA-51-like QRX34	OXA-51-like_QCP15970.1_A.b.	FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG NGWDVNPQVGWLTGW	V <mark>V</mark> QPQ <mark>G</mark>
OXA-51-like OBY279581.A.b.  FAYKLANKTLPFS ON CORVOS MFIERKNGKIY! KSG GG DV N POVGNITG NV O POC OXA-51-like OBY279581.A.b.  FAYKLANKTLPFS ON CORVOS MFIERKNGKIY! KSG GG DV N POVGNITG NV O POC OXA-51-like OIX3631.A.b.  FAYKLANKTLPFS ON CORVOS MFIERKNGKIY! KSG GG DV N POVGNITG NV O POC OXA-51-like OIX3621.A.b.  FAYKLANKTLPFS ON CORVOS MFIERKNGKIY! KSG GG DV N POVGNITG NV O POC OXA-51-like OIX3621.A.b.  FAYKLANKTLPFS ON CORVOS MFIERKNGKIY! KSG GG DV N POVGNITG NV O POC OXA-51-like OIX3621.A.b.  FAYKLANKTLPFS ON CORVOS MFIERKNGKIY! KSG GG DV N POVGNITG NV O POC OXA-51-like OIX6215.1.A.b.  FAYKLANKTLPFS ON CORVOS MFIERKNGKIY! KSG GG DV N POVGNITG NV O POC OXA-51-like OIX6215.1.A.b.  FAYKLANKTLPFS ON CORVOS MFIERKNGKIY! KSG GG DV N POVGNITG NV O POC OXA-51-like OIX6215.1.A.b.  FAYKLANKTLPFS ON CORVOS MFIERKNGKIY! KSG GG DV N POVGNITG NV O POC OXA-51-like OIX621989.1.A.b.  FAYKLANKTLPFS ON CORVOS MFIERKNGKIY! KSG GG DV N POVGNITG NV O POC OXA-51-like OIX621989.1.A.b.  FAYKLANKTLPFS ON CORVOS MFIERKNGKIY! KSG GG DV N POVGNITG NV O POC OXA-51-like OIX621989.1.A.b.  FAYKLANKTLPFS ON CORVOS MFIERKNGKIY! KSG GG DV N POVGNITG NV O POC OXA-51-like OIX621989.1.A.b.  FAYKLANKTLPFS ON CORVOS MFIERKNGKIY! KSG GG DV N POVGNITG NV O POC OXA-51-like OIX621989.1.A.b.  FAYKLANKTLPFS ON CORVOS MFIERKNGKIY! KSG GG DV N POVGNITG NV O POC OXA-51-like OIX621989.1.A.b.  FAYKLANKTLPFS ON CORVOS MFIERKNGKIY! KSG GG DV N POVGNITG NV O POC OXA-51-like OIX621989.1.A.b.  FAYKLANKTLPFS ON CORVOS MFIERKNGKIY! KSG GG DV N POVGNITG NV O POC OXA-51-like OIX621989.1.A.b.  FAYKLANKTLPFS ON CORVOS MFIERKNGKIY! KSG GG DV N POVGNITG NV O POC OXA-51-like OIX621989.1.A.b.  FAYKLANKTLPFS ON CORVOS MFIERKNGKIY! KSG GG DV N POVGNITG NV O POC OXA-51-like OIX621989.1.A.b.  FAYKLANKTLPFS ON CORVOS MFIERKNGKIY! KSG GG DV N POVGNITG NV O POC OXA-51-like OIX621989.1.A.b.  FAYKLANKTLPFS ON CORVOS MFIERKNGKIY! KSG GG DV N POVGNITG NV O POC OXA-51-like OIX621989.1.A.b.  FAYKLANKTLPFS ON CORVOS MFIERKNGKIY! KSG GG DV N POVGNITG NV O POC OXA-51-like OIX621989.1.A.b.  FAYKL	OXA-51-like_QCP19079.1_A.b.	FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYFKSGWGWDVNPQVGWLTGW	V <mark>V</mark> QPQ <b>G</b>
OXA-51-like QIX34674.1 A.b.  OXA-51-like QIX3333.1 A.b.  OXA-51-like QIX34674.1 A.b.  OXA-51-like QIX42205.1 A.b.  FAYKLANKTLPPSOKYODEVOS MAPIEEKNGKKIY KSG GODVN POYGWLTG MY OPD GO CXA-51-like QIX42205.1 A.b.  OXA-51-like QIX42205.1 A.b.  FAYKLANKTLPPSOKYODEVOS MAPIEEKNGKKIY KSG GODVN POYGWLTG MY OPD GO CXA-51-like QIX42205.1 A.b.  FAYKLANKTLPPSOKYODEVOS MAPIEEKNGKKIY KSG GODVN POYGWLTG MY OPD GO CXA-51-like QIX42205.1 A.b.  FAYKLANKTLPPSOKYODEVOS MAPIEEKNGKKIY KSG GODVN POYGWLTG MY OPD GO CXA-51-like QIX42205.1 A.b.  FAYKLANKTLPPSOKYODEVOS MAPIEEKNGKKIY KSG GODVN POYGWLTG MY OPD GO CXA-51-like QIX42203.1 A.b.  FAYKLANKTLPPSOKYODEVOS MAPIEEKNGKKIY KSG GODVN POYGWLTG MY OPD GO CXA-51-like QIX42203.1 A.b.  FAYKLANKTLPPSOKYODEVOS MAPIEEKNGKKIY KSG GODVN POYGWLTG MY OPD GO CXA-51-like QIX42203.1 A.b.  FAYKLANKTLPPSOKYODEVOS MAPIEEKNGKKIY KSG GODVN POYGWLTG MY OPD GO CXA-51-like QIX42203.1 A.b.  FAYKLANKTLPPSOKYODEVOS MAPIEEKNGKKIY KSG GODVN POYGWLTG MY OPD GO CXA-51-like QIX42203.1 A.b.  FAYKLANKTLPPSOKYODEVOS MAPIEEKNGKKIY KSG GODVN POYGWLTG MY OPD GO CXA-51-like QIX42203.1 A.b.  FAYKLANKTLPPSOKYODEVOS MAPIEEKNGKKIY KSG GODVN POYGWLTG MY OPD GO CXA-51-like QIX42203.1 A.b.  FAYKLANKTLPPSOKYODEVOS MAPIEEKNGKKIY KSG GODVN POYGWLTG MY OPD GO CXA-51-like QIX42203.1 A.b.  FAYKLANKTLPPSOKYODEVOS MAPIEEKNGKKIY KSG GODVN POYGWLTG MY OPD GO CXA-51-like QIX42203.1 A.b.  FAYKLANKTLPPSOKYODEVOS MAPIEEKNGKKIY KSG GODVN POYGWLTG MY OPD GO CXA-51-like QIX42203.1 A.b.  FAYKLANKTLPPSOKYODEVOS MAPIEEKNGKKIY KSG GODVN POYGWLTG MY OPD GO CXA-51-like QIX42203.1 A.b.  FAYKLANKTLPPSOKYODEVOS MAPIEEKNGKKIY KSG GODVN POYGWLTG MY OPD GO CXA-51-like QIX42203.1 A.b.  FAYKLANKTLPPSOKYODEVOS MAPIEEKNGKKIY KSG GODVN POYGWLTG MY OPD GO CXA-51-like QIX42203.1 A.b.  FAYKLANKTLPPSOKYODEVOS MAPIEEKNGKKIY KSG GODVN POYGWLTG MY OPD GO CXA-51-like QIX42203.1 A.b.  FAYKLANKTLPPSOKYODEVOS MAPIEEKNGKKIY KSG GODVN	OXA-51-like_QCP45479.1_A.b.	FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIY/KSG NGWDVNPQVGWLTGW	V <mark>V</mark> QPQ <b>G</b>
OXA-51-like QIX30833.1 A.b.  OXA-51-like QIX38631.1 A.b.  OXA-51-like QIX461205.1 A.b.  OXA-51-like QIX461205.1 A.b.  OXA-51-like QIX461205.1 A.b.  OXA-51-like QIX46125.1 A.b.  OXA-51-like QIX69125.1 A.b.  FAYKLANKTLPFS ON VOD BVOS METIEEKNGNKIY! KSG VG DVN POVGWLTG MV V O POC OXA-51-like QIX691293.1 A.b.  FAYKLANKTLPFS ON VOD BVOS METIEEKNGNKIY! KSG VG DVN POVGWLTG MV V O POC OXA-51-like QIX691293.1 A.b.  FAYKLANKTLPFS ON VOD BVOS METIEEKNGNKIY! KSG VG DVN POVGWLTG MV V O POC OXA-51-like QIX691291.1 A.b.  FAYKLANKTLPFS ON VOD BVOS METIEEKNGNKIY! KSG VG DVN POVGWLTG MV V O POC OXA-51-like QIX691291.1 A.b.  FAYKLANKTLPFS ON VOD BVOS METIEEKNGNKIY! KSG VG DVN POVGWLTG MV V O POC OXA-51-like QIX691291.1 A.b.  FAYKLANKTLPFS ON VOD BVOS METIEEKNGNKIY! KSG VG DVN POVGWLTG MV V O POC OXA-51-like QIX691301.1 A.b.  FAYKLANKTLPFS ON VOD BVOS METIEEKNGNKIY! KSG VG DVN POVGWLTG MV V O POC OXA-51-like QIX691301.1 A.b.  FAYKLANKTLPFS ON VOD BVOS METIEEKNGNKIY! KSG VG DVN POVGWLTG MV V O POC OXA-51-like QIX691301.1 A.b.  FAYKLANKTLPFS ON VOD BVOS METIEEKNGNKIY! KSG VG DVN POVGWLTG MV V O POC OXA-51-like QIX6913001.1 A.b.  FAYKLANKTLPFS ON VOD BVOS METIEEKNGNKIY! KSG VG DVN POVGWLTG MV V O POC OXA-51-like QIX6913001.1 A.b.  FAYKLANKTLPFS ON VOD BVOS METIEEKNGNKIY! KSG VG DVN POVGWLTG MV V O POC OXA-51-like QIX6913001.1 A.b.  FAYKLANKTLPFS ON VOD BVOS METIEEKNGNKIY! KSG VG DVN POVGWLTG MV V O POC OXA-51-like QIX6913001.1 A.b.  FAYKLANKTLPFS ON VOD BVOS METIEEKNGNKIY! KSG VG DVN POVGWLTG MV V O POC OXA-51-like QIX6913001.1 A.b.  FAYKLANKTLPFS ON VOD BVOS METIEEKNGNKIY! KSG VG DVN POVGWLTG MV V O POC OXA-51-like QIX6913001.1 A.b.  FAYKLANKTLPFS ON VOD BVOS METIEEKNGNKIY! KSG VG DVN POVGWLTG MV V O POC OXA-51-like QIX	OXA-51-like_QDR93660.1_A.b.	FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG NGWDVNPQVGWLTGW	V <mark>V</mark> QPQ <mark>G</mark>
OXA-51-11ke Q1X34674.1 A.b. OXA-51-11ke Q1X42205.1 A.b. OXA-51-11ke Q1X42205.1 A.b. OXA-51-11ke Q1X42205.1 A.b. OXA-51-11ke Q1X42205.1 A.b. OXA-51-11ke Q1X61205.1 A.b. FAYKLANKTLPFS ON VOD BVOS METIEEKNGNKIY! KSG VG DVN POVGWLTG WV V OP OC OXA-51-11ke Q1X61205.1 A.b. FAYKLANKTLPFS ON VOD BVOS METIEEKNGNKIY! KSG VG DVN POVGWLTG WV V OP OC OXA-51-11ke Q1X61205.1 A.b. FAYKLANKTLPFS ON VOD BVOS METIEEKNGNKIY! KSG VG DVN POVGWLTG WV V OP OC OXA-51-11ke Q1X61205.1 A.b. FAYKLANKTLPFS ON VOD BVOS METIEEKNGNKIY! KSG VG DVN POVGWLTG WV V OP OC OXA-51-11ke Q1X61205.1 A.b. FAYKLANKTLPFS ON VOD BVOS METIEEKNGNKIY! KSG VG DVN POVGWLTG WV V OP OC OXA-51-11ke Q1X61200.1 A.b. FAYKLANKTLPFS ON VOD BVOS METIEEKNGNKIY! KSG VG DVN POVGWLTG WV V OP OC OXA-51-11ke Q1X61200.1 A.b. FAYKLANKTLPFS ON VOD BVOS METIEEKNGNKIY! KSG VG DVN POVGWLTG WV V OP OC OXA-51-11ke Q1X61200.1 A.b. FAYKLANKTLPFS ON VOD BVOS METIEEKNGNKIY! KSG VG DVN POVGWLTG WV V OP OC OXA-51-11ke Q1X61200.1 A.b. FAYKLANKTLPFS ON VOD BVOS METIEEKNGNKIY! KSG VG DVN POVGWLTG WV OP OC OXA-51-11ke Q1X61201.1 A.b. FAYKLANKTLPFS ON VOD BVOS METIEEKNGNKIY! KSG VG DVN POVGWLTG WV OP OC OXA-51-11ke Q1X61201.1 A.b. FAYKLANKTLPFS ON VOD BVOS METIEEKNGNKIY! KSG VG DVN POVGWLTG WV OP OC OXA-51-11ke Q1X61201.1 A.b. FAYKLANKTLPFS ON VOD BVOS METIEEKNGNKIY! KSG VG DVN POVGWLTG WV OP OC OXA-51-11ke Q1X61201.1 A.b. FAYKLANKTLPFS ON VOD BVOS METIEEKNGNKIY! KSG VG DVN POVGWLTG WV OP OC OXA-51-11ke Q1X61201.1 A.b. FAYKLANKTLPFS ON VOD BVOS METIEEKNGNKIY! KSG VG DVN POVGWLTG WV OP OC OXA-51-11ke Q1X61201.1 A.b. FAYKLANKTLPFS ON VOD BVOS METIEEKNGNKIY! KSG VG DVN POVGWLTG WV OP OC OXA-51-11ke Q1X61201.1 A.b. FAYKLANKTLPFS ON VOD BVOS METIEEKNGNKIY! KSG VG DVN POVGWLTG WV OP OC OXA-51-11ke Q1X61201.1 A.b. FAYKLANKTLPFS ON VOD BVOS METIEEKNGNKIY! KSG VG DVN POVGWLTG WV OP OC OXA-51-11ke Q1X61201.1 A.b. FAYKLANKTLPFS ON VOD BVOS METIEEKNGNKIY! KSG VG DVN POVG	OXA-51-like_QEY27958.1_A.b.	FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYFKSGWGWDVNPQVGWLTGW	V <mark>V</mark> QPQ <b>G</b>
OXA-51-like QIM2205 1 a b. FAYKLANKTLPFS DR V O EVOS MLFIEEKNGNKIY, KSG GONDV B OVGALTG MV V DP O OXA-51-like QIM2205 1. a b. FAYKLANKTLPFS DR V O EVOS MLFIEEKNGNKIY, KSG GONDV B OVGALTG MV V DP O OXA-51-like QUG12958 1. a b. FAYKLANKTLPFS DR V O EVOS MLFIEEKNGNKIY, KSG GONDV B OVGALTG MV V DP O OXA-51-like QUG12958 1. a b. FAYKLANKTLPFS DR V O EVOS MLFIEEKNGNKIY, KSG GONDV B OVGALTG MV V DP O OXA-51-like QUG12958 1. a b. FAYKLANKTLPFS DR V O EVOS MLFIEEKNGNKIY, KSG GONDV B OVGALTG MV V DP O OXA-51-like QUG195593 1. a b. FAYKLANKTLPFS DR V O EVOS MLFIEEKNGNKIY, KSG GONDV B OVGALTG MV V DP O OXA-51-like QUG196903 1. a b. FAYKLANKTLPFS DR V O EVOS MLFIEEKNGNKIY, KSG GONDV B OVGALTG MV V DP O OXA-51-like QUG196903 1. a b. FAYKLANKTLPFS DR V O EVOS MLFIEEKNGNKIY, KSG GONDV B OVGALTG MV V DP O OXA-51-like QUG19610 1. a b. FAYKLANKTLPFS DR V O EVOS MLFIEEKNGNKIY, KSG GONDV B OVGALTG MV V DP O OXA-51-like QUG19610 1. a b. FAYKLANKTLPFS DR V O EVOS MLFIEEKNGNKIY, KSG GONDV B OVGALTG MV V DP O OXA-51-like QUG19610 1. a b. FAYKLANKTLPFS DR V O EVOS MLFIEEKNGNKIY, KSG GONDV B OVGALTG MV V DP O OXA-51-like QUG19610 1. a b. FAYKLANKTLPFS DR V O EVOS MLFIEEKNGNKIY, KSG GONDV B OVGALTG MV V DP O OXA-51-like QUG19610 1. a b. FAYKLANKTLPFS DR V O EVOS MLFIEEKNGNKIY, KSG GONDV B OVGALTG MV V DP O OXA-51-like QUG19610 1. a b. FAYKLANKTLPFS DR V O EVOS MLFIEEKNGNKIY, KSG GONDV B OVGALTG MV V DP O OXA-51-like QUG19610 1. a b. FAYKLANKTLPFS DR V O EVOS MLFIEEKNGNKIY, KSG GONDV B OVGALTG MV V DP O OXA-51-like QUG19610 1. a b. FAYKLANKTLPFS DR V O EVOS MLFIEEKNGNKIY, KSG GONDV B OVGALTG MV V DP O OXA-51-like QUG19610 1. a b. FAYKLANKTLPFS DR V O EVOS MLFIEEKNGNKIY, KSG GONDV B OVGALTG MV V DP O OXA-51-like QUG19610 1. a b. FAYKLANKTLPFS DR V O EVOS MLFIEEKNGNKIY, KSG GONDV B OVGALTG MV V DP O OXA-51-like QUG19610 1. a b. FAYKLANKTLPFS DR V O EVOS MLFIEEKNGNKIY, KSG GONDV B OVGALTG MV V DP O OXA-51-like ARBSITA MARKTLPFS DR V O EVOS MLFIEEKNGNKIY, KSG GONDV B OVGALTG MV V DP O OXA-51-like ARBSITA MARKTLPFS DR V O EVOS MLFIEEKNGNKIY, KS	OXA-51-like_QIX30833.1_A.b.	FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYFKSGWGWDVNPQVGWLTGW	V <mark>V</mark> QPQ <b>G</b>
OXA-51-like OIX42205.1 A.b. OXA-51-like OIX46166.1 A.b. OXA-51-like OIX69125.1 A.b. OXA-51-like OIX69125.1 A.b. OXA-51-like OIX69238.1 A.b. OXA-51-like OIX693593.1 A.b. OXA-51-like OIX69331.1 A.b. OXA-51-like OIX69331.1 A.b. OXA-51-like OIX69331.1 A.b. OXA-51-like OIX69331.1 A.b. OXA-51-like OIX6933304.1 A.b. OXA-51-like OIX6933355.1 A.b. OXA-51-like OIX693	OXA-51-like_QIX34674.1_A.b.	FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG NGWDVNPQVGWLTGW	V <mark>V</mark> QPQ <mark>G</mark>
OXA-51-like QJG91251 A b. FAYKLANKTLPFS DR V O B VOS MLFIEEKNONKIY KSG GODV B OVGALTG MV V OP O OXA-51-like QJG91251 A b. FAYKLANKTLPFS DR V O B VOS MLFIEEKNONKIY KSG GODV B OVGALTG MV V OP O OXA-51-like QJG91893 1 A b. FAYKLANKTLPFS DR V O B VOS MLFIEEKNONKIY KSG GODV B OVGALTG MV V OP O OXA-51-like QJG91893 1 A b. FAYKLANKTLPFS DR V O B VOS MLFIEEKNONKIY KSG GODV B OVGALTG MV OP O OXA-51-like QJG91893 1 A b. FAYKLANKTLPFS DR V O B VOS MLFIEEKNONKIY KSG GODV B OVGALTG MV OP O OXA-51-like QJG91893 1 A b. FAYKLANKTLPFS DR V O B VOS MLFIEEKNONKIY KSG GODV B OVGALTG MV OP O OXA-51-like QJG107093 1 A b. FAYKLANKTLPFS DR V O B VOS MLFIEEKNONKIY KSG GODV B OVGALTG MV OP O OXA-51-like QJG10719 1 A b. FAYKLANKTLPFS DR V O B VOS MLFIEEKNONKIY KSG GODV B OVGALTG MV OP O OXA-51-like QJG11776 1 A b. FAYKLANKTLPFS DR V O B VOS MLFIEEKNONKIY KSG GODV B OVGALTG MV OP O OXA-51-like QJG11776 1 A b. FAYKLANKTLPFS DR V O B VOS MLFIEEKNONKIY KSG GODV B OVGALTG MV OP O OXA-51-like QJG11776 1 A b. FAYKLANKTLPFS DR V O B VOS MLFIEEKNONKIY KSG GODV B OVGALTG MV OP O OXA-51-like QJG11776 1 A b. FAYKLANKTLPFS DR V O B VOS MLFIEEKNONKIY KSG GODV B OVGALTG MV OP O OXA-51-like QJG11776 1 A b. FAYKLANKTLPFS DR V O B VOS MLFIEEKNONKIY KSG GODV B OVGALTG MV OP O OXA-51-like QJG11776 1 A b. FAYKLANKTLPFS DR V O B VOS MLFIEEKNONKIY KSG GODV B OVGALTG MV OP O OXA-51-like QG11776 1 A b. FAYKLANKTLPFS DR V O B VOS MLFIEEKNONKIY KSG GODV B OVGALTG MV OP O OXA-51-like QG11776 1 A b. FAYKLANKTLPFS DR V O B VOS MLFIEEKNONKIY KSG GODV B OVGALTG MV OP O OXA-51-like QG11776 1 A b. FAYKLANKTLPFS DR V O B VOS MLFIEEKNONKIY KSG GODV B OVGALTG MV OP O OXA-51-like QG11776 1 A b. FAYKLANKTLPFS DR V O B VOS MLFIEEKNONKIY KSG GODV B OVGALTG MV OP O OXA-51-like QG11776 1 A b. FAYKLANKTLPFS DR V O B VOS MLFIEEKNONKIY KSG GODV B OVGALTG MV OP O OXA-51-like QG11776 1 A b. FAYKLANKTLPFS DR V O B VOS MLFIEEKNONKIY KSG GODV B OVGALTG MV OP O OXA-51-like QG11776 1 A b. FAYKLANKTLPFS DR V O B VOS MLFIEEKNONKIY KSG GODV B OVGALTG MV OP O OXA-51-like AURSIS A B VOS MLFIEEK	OXA-51-like_QIX38631.1_A.b.	FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYFKSGWGWDVNPQVGWLTGW	V <mark>V</mark> QPQ <b>G</b>
CXA-51-like_QJG69125.1 A.b. CXA-51-like_QJG9928.1 A.b. CXA-51-like_QJG998.1 A.b. CXA-51-like_QJG91298.1 A.b. CXA-51-like_QJG91298.1 A.b. CXA-51-like_QJG91293.1 A.b. CXA-51-like_QJG91293.1 A.b. CXA-51-like_QJG91293.1 A.b. CXA-51-like_QJG91293.1 A.b. CXA-51-like_QJG91293.1 A.b. CXA-51-like_QJG9129403.1 A.b. CXA-51-like_QJG9129403.1 A.b. CXA-51-like_QJG9129403.1 A.b. CXA-51-like_QJH01219.1 A.b.	OXA-51-like_QIX42205.1_A.b.	FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIY/KSG NGWDVNPQVGWLTGW	V <mark>V</mark> QPQ <b>G</b>
OXA-51-like_QJG92938.1 A.b. PAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY, KSG GGDVN POVGWLTG WVVQPO COXA-51-like_QJG91989.1 A.b. PAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY, KSG GGDVN POVGWLTG WVVQPO COXA-51-like_QJG9593.1 A.b. PAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY, KSG GGDVN POVGWLTG WVVQPO COXA-51-like_QJG9593.1 A.b. PAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY, KSG GGDVN POVGWLTG WVVQPO COXA-51-like_QJG959403.1 A.b. PAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY, KSG GGDVN POVGWLTG WVVQPO COXA-51-like_QJH07093.1 A.b. PAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY, KSG GGDVN POVGWLTG WVVQPO COXA-51-like_QJH01776.1 A.b. PAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY, KSG GGDVN POVGWLTG WVVQPO COXA-51-like_QJH17776.1 A.b. PAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY, KSG GGDVN POVGWLTG WVVQPO COXA-51-like_QJH17776.1 A.b. PAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY, KSG GGDVN POVGWLTG WVVQPO COXA-51-like_QJH17776.1 A.b. PAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY, KSG GGDVN POVGWLTG WVVQPO COXA-51-like_QJH17776.1 A.b. PAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY, KSG GGDVN POVGWLTG WVVQPO COXA-51-like_QJA73304.1 A.b. PAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY, KSG GGDVN POVGWLTG WVVQPO COXA-51-like_QAS93855.1 A.b. PAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY, KSG GGDVN POVGWLTG WVVQPO COXA-51-like_QAS97806.1 A.b. PAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY, KSG GGDVN POVGWLTG WVVQPO COXA-51-like_QAS97806.1 A.b. PAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY, KSG GGDVN POVGWLTG WVVQPO COXA-51-like_QAS97806.1 A.b. PAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY, KSG GGDVN POVGWLTG WVVQPO COXA-51-like_QAS97806.1 A.b. PAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY, KSG GGDVN POVGWLTG WVVQPO COXA-51-like_AAR32028.1 A.b. PAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY, KSG GGDVN POVGWLTG WVVQPO COXA-51-like_AAR32028.1 A.b. PAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY, KSG GGDVN POVGWLTG WVVQPO COXA-51-like_AAR32028.1 A.b. PAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY, KSG GGDVN POVGWLTG WVVQPO COXA-51-like_AAR32028.1 A.b. PAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY, KSG GGDVN POVGWLTG WVVQPO COXA-51-like_AAR32028.1 A.b. PAY	OXA-51-like_QIX46166.1_A.b.	FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG NGWDVNPQVGWLTGW	V <mark>V</mark> QPQ <mark>G</mark>
OXA-51-like OJG88231.1 A.b. PAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY KSG GGDVN POVGWLTG WVVOPO GOXA-51-like OJG991989.1 A.b. PAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY KSG GGDVN POVGWLTG WVVOPO GOXA-51-like OJG99403.1 A.b. FAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY KSG GGDVN POVGWLTG WVVOPO GOXA-51-like OJG99403.1 A.b. FAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY KSG GGDVN POVGWLTG WVVOPO GOXA-51-like OJH07093.1 A.b. FAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY KSG GGDVN POVGWLTG WVVOPO GOXA-51-like OJH01219.1 A.b. FAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY KSG GGDVN POVGWLTG WVVOPO GOXA-51-like OJH14483.1 A.b. FAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY KSG GGDVN POVGWLTG WVVOPO GOXA-51-like OJH17776.1 A.b. FAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY KSG GGDVN POVGWLTG WVVOPO GOXA-51-like OJH17776.1 A.b. FAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY KSG GGDVN POVGWLTG WVVOPO GOXA-51-like OJH17776.1 A.b. FAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY KSG GGDVN POVGWLTG WVVOPO GOXA-51-like OJH17776.1 A.b. FAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY KSG GGDVN POVGWLTG WVVOPO GOXA-51-like OJH17776.1 A.b. FAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY KSG GGDVN POVGWLTG WVVOPO GOXA-51-like OJH17776.1 A.b. FAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY KSG GGDVN POVGWLTG WVVOPO GOXA-51-like OJH17776.1 A.b. FAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY KSG GGDVN POVGWLTG WVVOPO GOXA-51-like OJH17776.1 A.b. FAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY KSG GGDVN POVGWLTG WVVOPO GOXA-51-like OJH17776.1 A.b. FAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY KSG GGDVN POVGWLTG WVVOPO GOXA-51-like OJH17776.1 A.b. FAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY KSG GGDVN POVGWLTG WVVOPO GOXA-51-like OJH17776.1 A.b. FAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY KSG GGDVN POVGWLTG WVVOPO GOXA-51-like AJX8131.1 A.b. FAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY KSG GGDVN POVGWLTG WVVOPO GOXA-51-like AJX8131.1 A.b. FAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY KSG GGDVN POVGWLTG WVVOPO GOXA-51-like AJX8131.1 A.b. FAYKLANKTLPFS OR VODE VOS MLFIEEKNGNKIY KSG GGDVN POVGWLTG WVVOPO GOXA-51-like AJX8131.1 A.b. FAYKLANKTLPFS OR VODE VOS	OXA-51-like_QJG69125.1_A.b.		
OXA-51-like_QJG95931.1 a.b. OXA-51-like_QJG99403.1_a.b. OXA-51-like_QJG99403.1_a.b. OXA-51-like_QJG99403.1_a.b. OXA-51-like_QJH07031.2 a.b. OXA-51-like_QJH07031.2 a.b. OXA-51-like_QJH07031.3 a.b. OXA-51-like_QJH07031.3 a.b. OXA-51-like_QJH14483.1_a.b. OXA-51-like_QJH14483.1_a.b. OXA-51-like_QJH17776.1_a.b. OXA-51-like_QJH17776.1_a.b. OXA-51-like_QJH17776.1_a.b. OXA-51-like_QJH17776.1_a.b. OXA-51-like_QJH17776.1_a.b. OXA-51-like_QJH17776.1_a.b. OXA-51-like_QJH17776.1_a.b. OXA-51-like_QJH17776.1_a.b. OXA-51-like_QJH17776.1_a.b. OXA-51-like_QAS93855.1_a.b. OX	OXA-51-like_QJG72958.1_A.b.	FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYFKSGWGWDVNPQVGWLTGW	V <mark>V</mark> QPQ <b>G</b>
OXA-51-like_QJ999403.1_A.b. OXA-51-like_QJ999403.1_A.b. OXA-51-like_QJ999403.1_A.b. OXA-51-like_QJ99403.1_A.b. OXA-51-like_QJ107093.1_A.b. OXA-51-like_QJ110419.1_A.b. OXA-51-like_QJ110419.1_A.b. OXA-51-like_QJ110419.1_A.b. OXA-51-like_QJ117776.1_A.b. OXA-51-like_QJ1173.1_A.b. OXA-51-like_QJ1173.1_A.b. OXA-51-like_QJ1173.1_A.b. OXA-51-like_QJ1173.1_A.b. OXA-51-like_QJ11313.1_A.b. OXA-51-like_QJ11313.1_A.b. OXA-51-like_QJ11313.1_A.b. OXA-51-like_QJ11313.1_A.b. OXA-51-like_QA701315.1_A.b. OXA-51-like_QA7	OXA-51-like_QJG88231.1_A.b.	FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG NGWDVNPQVGWLTGW	V <mark>V</mark> QPQ <mark>G</mark>
OXA-51-like_QJ999403.1_A.b. OXA-51-like_QJ999403.1_A.b. OXA-51-like_QJ999403.1_A.b. OXA-51-like_QJ99403.1_A.b. OXA-51-like_QJ107093.1_A.b. OXA-51-like_QJ110419.1_A.b. OXA-51-like_QJ110419.1_A.b. OXA-51-like_QJ110419.1_A.b. OXA-51-like_QJ117776.1_A.b. OXA-51-like_QJ1173.1_A.b. OXA-51-like_QJ1173.1_A.b. OXA-51-like_QJ1173.1_A.b. OXA-51-like_QJ1173.1_A.b. OXA-51-like_QJ11313.1_A.b. OXA-51-like_QJ11313.1_A.b. OXA-51-like_QJ11313.1_A.b. OXA-51-like_QJ11313.1_A.b. OXA-51-like_QA701315.1_A.b. OXA-51-like_QA7	OXA-51-like_QJG91989.1_A.b.	FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYFKSGWGWDVNPQVGWLTGW	V <mark>V</mark> QPQ <b>G</b>
OXA-51-11ke_QJH10219.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_QJH17776.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_QJH17776.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_QJH17776.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_QJH17776.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_QAT01310.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_QAS93855.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_QAS93855.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_QAS93805.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_QAS93805.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_QAS93805.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_QAS93805.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_QES571LG_1.a.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_ALDFS_KQ_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_ALDFS_TAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_ALDFS_TAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_AR32028.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_AR32028.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_AR32028.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_AR32028.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_AR32028.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_AR32028.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_AR32028.1_A.b.  FAYKLANKTLP	OXA-51-like_QJG95593.1_A.b.		
OXA-51-11ke_QJH10219.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_QJH17776.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_QJH17776.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_QJH17776.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_QJH17776.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_QAT01310.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_QAS93855.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_QAS93855.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_QAS93805.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_QAS93805.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_QAS93805.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_QAS93805.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_QES571LG_1.a.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_ALDFS_KQ_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_ALDFS_TAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_ALDFS_TAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_AR32028.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_AR32028.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_AR32028.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_AR32028.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_AR32028.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_AR32028.1_A.b.  FAYKLANKTLPFS_KVQ_DEVQSM_LFIEEKNGNKIY_KSG_KG_WDVNPQVGWLTGWVVDPQ_GOXA-51-11ke_AR32028.1_A.b.  FAYKLANKTLP		FAYKLANKTLPFSOKVODEVOSMLFIEEKNGNKIYIKSG NGWDVNPOVGWLTGW	V <mark>V</mark> QPQ <b>G</b>
OXA-51-like_QJH10219.1_A.b.  OXA-51-like_QJH114483.1_A.b.  OXA-51-like_QJH17776.1_A.b.  OXA-51-like_QJH17776.1_A.b.  OXA-51-like_QJH31173.1_A.b.  OXA-51-like_QJH33173.1_A.b.  FAYKLANKTLPFSOKVQDEVQSM_LFIEEKNGNKIYIKSGNGMDVNPQVGWLTGMVVQPQG  OXA-51-like_QJH33173.1_A.b.  FAYKLANKTLPFSOKVQDEVQSM_LFIEEKNGNKIYIKSGNGMDVNPQVGWLTGMVVQPQG  OXA-51-like_QJH3314.1_A.b.  FAYKLANKTLPFSOKVQDEVQSM_LFIEEKNGNKIYIKSGNGMDVNPQVGWLTGMVVQPQG  OXA-51-like_QAS93855.1_A.b.  FAYKLANKTLPFSOKVQDEVQSM_LFIEEKNGNKIYIKSGNGMDVNPQVGWLTGMVVQPQG  OXA-51-like_QAS93855.1_A.b.  FAYKLANKTLPFSOKVQDEVQSM_LFIEEKNGNKIYIKSGNGMDVNPQVGWLTGMVVQPQG  OXA-51-like_QAS93806.1_A.b.  FAYKLANKTLPFSOKVQDEVQSM_LFIEEKNGNKIYIKSGNGMDVNPQVGWLTGMVVQPQG  OXA-51-like_QAS97806.1_A.b.  FAYKLANKTLPFSOKVQDEVQSM_LFIEEKNGNKIYIKSGNGMDVNPQVGWLTGMVVQPQG  OXA-51-like_QAS97806.1_A.b.  FAYKLANKTLPFSOKVQDEVQSM_LFIEEKNGNKIYIKSGNGMDVNPQVGWLTGMVVQPQG  OXA-51-like_QAS97806.1_A.b.  FAYKLANKTLPFSOKVQDEVQSM_LFIEEKNGNKIYIKSGNGMDVNPQVGWLTGMVVQPQG  OXA-51-like_QAS97806.1_A.b.  FAYKLANKTLPFSOKVQDEVQSM_LFIEEKNGNKIYIKSGNGMDVNPQVGWLTGMVVQPQG  OXA-51-like_ADX03652.1_A.b.  FAYKLANKTLPFSOKVQDEVQSM_LFIEEKNGNKIYIKSGNGMDVNPQVGWLTGMVVQPQG  OXA-51-like_ADX03652.1_A.b.  FAYKLANKTLPFSOKVQDEVQSM_LFIEEKNGNKIYIKSGNGMDVNPQVGWLTGMVVQPQG  OXA-51-like_ALJ88113.1_A.b.  FAYKLANKTLPFSOKVQDEVQSM_LFIEEKNGNKIYIKSGNGMDVNPQVGWLTGMVVQPQG  OXA-51-like_ALJ88113.1_A.b.  FAYKLANKTLPFSOKVQDEVQSM_LFIEEKNGNKIYIKSGNGMDVNPQVGWLTGMVVQPQG  OXA-51-like_AR32028.1_A.b.  FAYKLANKTLPFSOKVQDEVQSM_LFIEEKNGNKIYIKSGNGMDVNPQVGWLTGMVVQPQG  OXA-51-like_AR31555.1_A.b.  FAYKLANKTLPFSOKVQDEVQSM_LFIEEKNGNKIYIKSGNGMDVNPQVGWLTGMVVQPQG  OXA-51-like_ARS77094.1_A.b.  FAYKLANKTLPFSOKVQDEVQSM_LFIEEKNGNKIYIKSGNGMDVNPQVGWLTGMVVQPQG  OXA-51-like_ARS71565.1_A.b.  FAYKLANKTLPFSOKVQDEVQSM_LFIEEKNGNKIYIKSGNGMDVNPQVGWLTGMVVQPQG  OXA-51-like_ARS1565.1_A.b.  FAYKLANKTLPFSOKVQDEVQSM_LFIEEKNGNKIYIKSGNGMDVNPQVGWLTGMVVQPQG  OXA-51-like_ARS1565.1_A.b.  FAYKLANKTLPFSOKVQDEVQSM_LFIEEKNGNKIYIKSGNGMDVNPQVGWLTGMVVQPQG  OXA-51-like_ARS1565.1_A.b.  FAYKLANKTLPFSOKVQDEVQSM_LFIEEKNGNKIYI	OXA-51-like QJH07093.1 A.b.	FAYKLANKTLPFSOKVODEVOSMLFIEEKNGNKIY/KSGWGWDVNPOVGWLTGW	V <mark>V</mark> OPO <b>G</b>
OXA-51-like_QJH14483.1_A.b.  FAYKLANKTLPFSOKVODEVQSMLFIEEKNGNKIY; KSG VGWDVNPQVGWLTGWVVQPQG OXA-51-like_QJP31173.1_A.b.  FAYKLANKTLPFSOKVODEVQSMLFIEEKNGNKIY; KSG VGWDVNPQVGWLTGWVVQPQG OXA-51-like_QA73304.1_A.b.  FAYKLANKTLPFSOKVQDEVQSMLFIEEKNGNKIY; KSG VGWDVNPQVGWLTGWVVQPQG OXA-51-like_QA893855.1_A.b.  FAYKLANKTLPFSOKVQDEVQSMLFIEEKNGNKIY; KSG VGWDVNPQVGWLTGWVVQPQG OXA-51-like_QA893855.1_A.b.  FAYKLANKTLPFSOKVQDEVQSMLFIEEKNGNKIY; KSG VGWDVNPQVGWLTGWVVQPQG OXA-51-like_QA893855.1_A.b.  FAYKLANKTLPFSOKVQDEVQSMLFIEEKNGNKIY; KSG VGWDVNPQVGWLTGWVVQPQG OXA-51-like_QA704873.1_A.b.  FAYKLANKTLPFSOKVQDEVQSMLFIEEKNGNKIY; KSG VGWDVNPQVGWLTGWVVQPQG OXA-51-like_QA704873.1_A.b.  FAYKLANKTLPFSOKVQDEVQSMLFIEEKNGNKIY; KSG VGWDVNPQVGWLTGWVVQPQG OXA-51-like_QA704873.1_A.b.  FAYKLANKTLPFSOKVQDEVQSMLFIEEKNGNKIY; KSG VGWDVNPQVGWLTGWVVQPQG OXA-51-like_QA704873.1_A.b.  FAYKLANKTLPFSOKVQDEVQSMLFIEEKNGNKIY; KSG VGWDVNPQVGWLTGWVVQPQG OXA-51-like_ADX03652.1_A.b.  FAYKLANKTLPFSOKVQDEVQSMLFIEEKNGNKIY; KSG VGWDVNPQVGWLTGWVVQPQG OXA-51-like_ADX0313.1_A.b.  FAYKLANKTLPFSOKVQDEVQSMLFIEEKNGNKIY; KSG VGWDVNPQVGWLTGWVVQPQG OXA-51-like_ADX0313.1_A.b.  FAYKLANKTLPFSOKVQDEVQSMLFIEEKNGNKIY; KSG VGWDVNPQVGWLTGWVVQPQG OXA-51-like_ADX0313.1_A.b.  FAYKLANKTLPFSOKVQDEVQSMLFIEEKNGNKIY; KSG VGWDVNPQVGWLTGWVVQPQG OXA-51-like_ADX04148.5.1_A.b.  FAYKLANKTLPFSOKVQDEVQSMLFIEEKNGNKIY; KSG VGWDVNPQVGWLTGWVVQPQG OXA-51-like_ADX04148.5.1_A.b.  FAYKLANKTLPFSOKVQDEVQSMLFIEEKNGNKIY; KSG VGWDVNPQVGWLTGWVVQPQG OXA-51-like_ADX04148.5.1_A.b.  FAYKLANKTLPFSOKVQDEVQSMLFIEEKNGNKIY; KSG VGWDVNPQVGWLTGWVVQPQG OXA-51-like_ADX04148			
OXA-51-like_QJF31173.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIY; KSG VG DVNPQVGWLTGWVVQPQG OXA-51-like_QAS93855.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIY; KSG VG WDVNPQVGWLTGWVVQPQG OXA-51-like_QAS97806.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIY; KSG VG WDVNPQVGWLTGWVVQPQG OXA-51-like_ADN30562.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIY; KSG VG WDVNPQVGWLTGWVVQPQG OXA-51-like_ATR87403.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIY; KSG VG WDVNPQVGWLTGWVVQPQG OXA-51-like_AAS2Q28.1.A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIY; KSG VG WDVNPQVGWLTGWVVQPQG OXA-51-like_ARG31555.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIY; KSG VG WDVNPQVGWLTGWVVQPQG OXA-51-like_ARG31555.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIY; KSG VG WDVNPQVGWLTGWVVQPQG OXA-51-like_ANN14185.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIY; KSG VG WDVNPQVGWLTGWVVQPQG OXA-51-like_QLG79253.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIY; KSG VG WDVNPQVGWLTGWVVQPQG OXA-51-like_QLG79253.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIY; KSG VG WDVNPQVGWLTGWVVQPQG OX		FAYKLANKTLPFSOKVODEVOSMLFIEEKNGNKIYIKSG NGWDVNPOVGWLTGW	V <mark>V</mark> QPQ <b>G</b>
OXA-51-like_QAS93855.1_A.b. OXA-51-like_QAS93866.1_A.b. OXA-51-like_QAS9868644.1_A.b. OXA-51-like_QAS9868644.1_A.b		FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG VGWDVNPQVGWLTGW	V <mark>V</mark> QPQ <b>G</b>
OXA-51-like_QAS93855.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_QAS97806.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_QAS97806.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_QAT04873.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_QAT04873.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_QAS97806.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_QAS97806.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_QC82814.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_AF81571.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_AF87403.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_ARA32028.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_ARA32555.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_ARG31555.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_ASF77094.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_AVN14185.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_AVN14185.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_AVN14185.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_QQB68144.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_QD868144.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_QD868144.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_QD868144.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_DB873296.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_DB873296.1_A.b.  FAYKLANKTLPFSQKVQD	OXA-51-like_QJP31173.1_A.b.	FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYFKSGWGWDVNPQVGWLTGW	V <mark>V</mark> QPQ <b>G</b>
OXA-51-like_QAS93855.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_QAS97806.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_QAS97806.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_QAT04873.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_QAT04873.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_QAS97806.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_QAS97806.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_QC82814.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_AF81571.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_AF87403.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_ARA32028.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_ARA32555.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_ARG31555.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_ASF77094.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_AVN14185.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_AVN14185.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_AVN14185.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_QQB68144.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_QD868144.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_QD868144.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_QD868144.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_DB873296.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_DB873296.1_A.b.  FAYKLANKTLPFSQKVQD	$OXA-51-like_QLA73304.1\_A.b.$	FAYKLANKTLPFSOKVODEVOSMLFIEEKNGNKIYIKSG NGWDVNPOVGWLTGW	V <mark>V</mark> QPQ <b>G</b>
OXA-51-like_QAS93855.1_A.b. OXA-51-like_QAS93865.1_A.b. OXA-51-like_QAS97806.1_A.b. OXA-51-like_QAS97806.1_A.b. OXA-51-like_QAS97806.1_A.b. OXA-51-like_QAS97806.1_A.b. OXA-51-like_QAS97806.1_A.b. OXA-51-like_QAS97806.1_A.b. OXA-51-like_QES97116.1_A.b. OXA-51-like_QES97116.1_A.b. OXA-51-like_QES97116.1_A.b. OXA-51-like_DES97116.1_A.b. OXA-51-like_DES971116.1_A.b. OXA-51-like_DES971116.1_A.b. OXA-51-like_DES971116.1_A.b. OXA-51-like_DES9711116.1_A.b. OXA-51-like_DES9711116.1_	OXA-51-like_QNV12531.1_A.b.		
OXA-51-like_QAS97806.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSGVGWDVNPQVGWLTGWVVQPQG OXA-51-like_QEE57116.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSGVGWDVNPQVGWLTGWVVQPQG OXA-51-like_ADX03652.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSGVGWDVNPQVGWLTGWVVQPQG OXA-51-like_ADX03652.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSGVGWDVNPQVGWLTGWVVQPQG OXA-51-like_AF81571.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSGVGWDVNPQVGWLTGWVVQPQG OXA-51-like_AF81571.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSGVGWDVNPQVGWLTGWVVQPQG OXA-51-like_AT987403.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSGVGWDVNPQVGWLTGWVVQPQG OXA-51-like_ARA32028.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSGVGWDVNPQVGWLTGWVVQPQG OXA-51-like_ARA3555.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSGVGWDVNPQVGWLTGWVVQPQG OXA-51-like_ASF77094.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSGVGWDVNPQVGWLTGWVVQPQG OXA-51-like_ASF77094.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSGVGWDVNPQVGWLTGWVVQPQG OXA-51-like_AVN14185.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSGVGWDVNPQVGWLTGWVVQPQG OXA-51-like_AVN25165.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSGVGWDVNPQVGWLTGWVVQPQG OXA-51-like_AVN25165.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSGVGWDVNPQVGWLTGWVVQPQG OXA-51-like_QQB68144.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSGVGWDVNPQVGWLTGWVVQPQG OXA-51-like_QD868144.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSGVGWDVNPQVGWLTGWVVQPQG OXA-51-like_QD868144.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSGVGWDVNPQVGWLTGWVVQPQG OXA-51-like_QD868144.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSGVGWDVNPQVGWLTGWVVQPQG OXA-51-like_QD868144.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSGVGWDVNPQVGWLTGWVVQPQG OXA-51-like_QD808313.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSGVGWDVNPQVGWLTGWVVQPQG OXA-51-like_QHB90233.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSGVGWDVNPQVGWLTGWVVQPQG OXA-51-like_QHB90233.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSGVGWDVNPQVGWLTGWVVQPQG OXA-51-like_BBR73296.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSGV	$OXA-51-like_QAS93855.1_A.b.$	FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSGWGWDVNPQVGWLTGW	V <mark>V</mark> QPQ <mark>G</mark>
OXA-51-like_QEE57116.1_A.b. OXA-51-like_QEE57116.1_A.b. OXA-51-like_DE57116.1_A.b. OXA-51-like_DE57116.1_A.b. OXA-51-like_DE57116.1_A.b. OXA-51-like_DE57116.1_A.b. OXA-51-like_DE082814.1_A.b. OXA-51-like_QCO82814.1_A.b. OXA-51-like_QCO82814.1_A.b. OXA-51-like_DE082814.1_A.b. OXA-51-like_DE088144.1_A.b. OXA-51-like_DE0868144.1_A.b. OXA-51-like_DE0868144.1_A.b. OXA-51-like_DE0868144.1_A.b. OXA-51-like_DE088141.1_A.b. OXA-51-like_DE0868141.1_A.b. OXA	OXA-51-like_QAT01315.1_A.b.	FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG NGWDVNPQVGWLTGW	V <mark>V</mark> QPQ <mark>G</mark>
OXA-51-like_QEE57116.1_A.b. OXA-51-like_QEE57116.1_A.b. OXA-51-like_DE57116.1_A.b. OXA-51-like_DE57116.1_A.b. OXA-51-like_DE57116.1_A.b. OXA-51-like_DE57116.1_A.b. OXA-51-like_DE082814.1_A.b. OXA-51-like_QCO82814.1_A.b. OXA-51-like_QCO82814.1_A.b. OXA-51-like_DE082814.1_A.b. OXA-51-like_DE088144.1_A.b. OXA-51-like_DE0868144.1_A.b. OXA-51-like_DE0868144.1_A.b. OXA-51-like_DE0868144.1_A.b. OXA-51-like_DE088141.1_A.b. OXA-51-like_DE0868141.1_A.b. OXA	OXA-51-like_QAS97806.1_A.b.	FAYKLANKTLPFSOKVODEVOSMLFIEEKNGNKIYIKSG NGWDVNPOVGWLTGW	V <mark>V</mark> QPQ <b>G</b>
OXA-51-like_QC082814 1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG YGWDVNPQVGWLTGWVVQPQG OXA-51-like_QC082814 1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG YGWDVNPQVGWLTGWVVQPQG OXA-51-like_ATF81571.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG YGWDVNPQVGWLTGWVVQPQG OXA-51-like_ATF87403.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG YGWDVNPQVGWLTGWVVQPQG OXA-51-like_ATF87403.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG YGWDVNPQVGWLTGWVVQPQG OXA-51-like_ATF8713.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG YGWDVNPQVGWLTGWVVQPQG OXA-51-like_ARG31555.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG YGWDVNPQVGWLTGWVVQPQG OXA-51-like_AFF77094.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG YGWDVNPQVGWLTGWVVQPQG OXA-51-like_AVN14185.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG YGWDVNPQVGWLTGWVVQPQG OXA-51-like_AVN14185.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG YGWDVNPQVGWLTGWVVQPQG OXA-51-like_AVN14185.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG YGWDVNPQVGWLTGWVVQPQG OXA-51-like_AVN14185.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG YGWDVNPQVGWLTGWVVQPQG OXA-51-like_QD868144.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG YGWDVNPQVGWLTGWVVQPQG OXA-51-like_QHB90233.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG YGWDVNPQVGWLTGWVVQPQG OXA-51-like_QHB90233.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG YGWDVNPQVGWLTGWVVQPQG OXA-51-like_BBR73296.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG YGWDVNPQVGWLTGWVVQPQG OXA-51-like_BBR73296.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG YGWDVNPQVGWLTGWVVQPQG OXA-51-like_BBR73296.1 A.b.  FAYKLANKTLPFSQKV	OXA-51-like QAT04873.1 A.b.		
OXA-51-like_AJF81571.1_A.b. OXA-51-like_AJF81571.1_A.b. OXA-51-like_AJF81571.1_A.b. OXA-51-like_AJF81571.1_A.b. OXA-51-like_AJF87403.1_A.b. OXA-51-like_AJF87403.1_A.b. OXA-51-like_AJF87403.1_A.b. OXA-51-like_AJF87403.1_A.b. OXA-51-like_AJF87403.1_A.b. OXA-51-like_AJF87403.1_A.b. OXA-51-like_AJF87403.1_A.b. OXA-51-like_AJF87403.1_A.b. OXA-51-like_AJF87403.1_A.b. OXA-51-like_AJF877094.1_A.b. OXA-51-like_AJF877094.1_A.b. OXA-51-like_AJF877094.1_A.b. OXA-51-like_AJF877094.1_A.b. OXA-51-like_AJF877094.1_A.b. OXA-51-like_AJF877094.1_A.b. OXA-51-like_AJF874094.1_A.b. OXA-51-like_AJF874094.1_A.b. OXA-51-like_AJF874094.1_A.b. OXA-51-like_AJF874094.1_A.b. OXA-51-like_AJF874094.1_A.b. OXA-51-like_AJF874094.1_A.b. OXA-51-like_DJF874KLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG NGWDVNPQVGWLTGWVVQPQG OXA-51-like_DJF874KLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG NGWDVNPQVGWLTGWVVQPQG OXA-51-like_QJE679253.1_A.b. OXA-51-like_DJG68144.1_A.b. OXA-51-like_DJG68144.1_A.b. OXA-51-like_DJG68144.1_A.b. OXA-51-like_DJG68144.1_A.b. OXA-51-like_DJG68141.1_A.b. OXA-51-like_DJG68141.1_A.b. OXA-51-like_DJG68141.1_A.b. OXA-51-like_DJG68143.1_A.b. OXA-51-like_DJG68143.1_A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG NGWDVNPQVGWLTGWVQPQG OXA-51-like_DJG68143.1_A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG NGWDVNPQVGWLTGWVQPQG OXA-51-like_DJG68143.1_A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG NGWDVNPQVGWLTGWVQPQG OXA-51-like_DJG68143.1_A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG NGWDVNPQVGWLTGWVQPQG OXA-51-like_DJG68143.1_A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG NGWDVNPQVGWLTGWVVQPQG OXA-51-like_DJG68143.1_A.b. FAY	OXA-51-like_QEE57116.1_A.b.		
OXA-51-like_AJF81571.1_A.b. OXA-51-like_AJF81571.1_A.b. OXA-51-like_AJF81571.1_A.b. OXA-51-like_AJF81571.1_A.b. OXA-51-like_AJF87403.1_A.b. OXA-51-like_AJF87403.1_A.b. OXA-51-like_AJF87403.1_A.b. OXA-51-like_AJF87403.1_A.b. OXA-51-like_AJF87403.1_A.b. OXA-51-like_AJF87403.1_A.b. OXA-51-like_AJF87403.1_A.b. OXA-51-like_AJF87403.1_A.b. OXA-51-like_AJF87403.1_A.b. OXA-51-like_AJF877094.1_A.b. OXA-51-like_AJF877094.1_A.b. OXA-51-like_AJF877094.1_A.b. OXA-51-like_AJF877094.1_A.b. OXA-51-like_AJF877094.1_A.b. OXA-51-like_AJF877094.1_A.b. OXA-51-like_AJF874094.1_A.b. OXA-51-like_AJF874094.1_A.b. OXA-51-like_AJF874094.1_A.b. OXA-51-like_AJF874094.1_A.b. OXA-51-like_AJF874094.1_A.b. OXA-51-like_AJF874094.1_A.b. OXA-51-like_DJF874KLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG NGWDVNPQVGWLTGWVVQPQG OXA-51-like_DJF874KLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG NGWDVNPQVGWLTGWVVQPQG OXA-51-like_QJE679253.1_A.b. OXA-51-like_DJG68144.1_A.b. OXA-51-like_DJG68144.1_A.b. OXA-51-like_DJG68144.1_A.b. OXA-51-like_DJG68144.1_A.b. OXA-51-like_DJG68141.1_A.b. OXA-51-like_DJG68141.1_A.b. OXA-51-like_DJG68141.1_A.b. OXA-51-like_DJG68143.1_A.b. OXA-51-like_DJG68143.1_A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG NGWDVNPQVGWLTGWVQPQG OXA-51-like_DJG68143.1_A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG NGWDVNPQVGWLTGWVQPQG OXA-51-like_DJG68143.1_A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG NGWDVNPQVGWLTGWVQPQG OXA-51-like_DJG68143.1_A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG NGWDVNPQVGWLTGWVQPQG OXA-51-like_DJG68143.1_A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG NGWDVNPQVGWLTGWVVQPQG OXA-51-like_DJG68143.1_A.b. FAY			
OXA-51-like ATP87403.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSGYGWDVNPQVGWLTGWVVQPQG OXA-51-like ARA32028.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSGYGWDVNPQVGWLTGWVVQPQG OXA-51-like ARA32028.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSGYGWDVNPQVGWLTGWVVQPQG OXA-51-like ARG31555.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSGYGWDVNPQVGWLTGWVVQPQG OXA-51-like ASF77094.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSGYGWDVNPQVGWLTGWVVQPQG OXA-51-like AVN14185.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSGYGWDVNPQVGWLTGWVVQPQG OXA-51-like AVN14185.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSGYGWDVNPQVGWLTGWVVQPQG OXA-51-like AVN14185.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSGYGWDVNPQVGWLTGWVVQPQG OXA-51-like QUG9253.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSGYGWDVNPQVGWLTGWVVQPQG OXA-51-like QQB68144.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSGYGWDVNPQVGWLTGWVVQPQG OXA-51-like QQB68144.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSGYGWDVNPQVGWLTGWVVQPQG OXA-51-like QQB68144.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSGYGWDVNPQVGWLTGWVVQPQG OXA-51-like QQB68144.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSGYGWDVNPQVGWLTGWVVQPQG OXA-51-like QUB90233.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSGYGWDVNPQVGWLTGWVVQPQG OXA-51-like QHB90233.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSGYGWDVNPQVGWLTGWVVQPQG OXA-51-like QHB90233.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSGYGWDVNPQVGWLTGWVVQPQG OXA-51-like QHB90233.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSGYGWDVNPQVGWLTGWVVQPQG OXA-51-like BBR73296.1 A.b.			
OXA-51-like_ATB87403.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG \( GWDVNPQVGWLTGSVVQPQG \)  OXA-51-like_AKB32028.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG \( GWDVNPQVGWLTGWVVQPQG \)  OXA-51-like_ARG31555.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG \( GWDVNPQVGWLTGWVVQPQG \)  OXA-51-like_ASF77094.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG \( GWDVNPQVGWLTGWVVQPQG \)  OXA-51-like_AVM14185.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG \( GWDVNPQVGWLTGWVVQPQG \)  OXA-51-like_AVM25165.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG \( GWDVNPQVGWLTGWVVQPQG \)  OXA-51-like_AXB14467.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG \( GWDVNPQVGWLTGWVVQPQG \)  OXA-51-like_QD868144.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG \( GWDVNPQVGWLTGWVVQPQG \)  OXA-51-like_QD868144.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG \( GWDVNPQVGWLTGWVVQPQG \)  OXA-51-like_SQD55469.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG \( GWDVNPQVGWLTGWVVQPQG \)  OXA-51-like_QHB90233.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG \( GWDVNPQVGWLTGWVVQPQG \)  OXA-51-like_QHB90233.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG \( GWDVNPQVGWLTGWVVQPQG \)  OXA-51-like_QHB90233.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG \( GWDVNPQVGWLTGWVVQPQG \)  OXA-51-like_BBR73296.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG \( GWDVNPQVGWLTGWVVQPQG \)			
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OXA-51-like_ALJ88113.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG VGWDVNPQVGWLTGWVVQPQG OXA-51-like_ASF77094.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG VGWDVNPQVGWLTGWVVQPQG OXA-51-like_AVN14185.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG VGWDVNPQVGWLTGWVVQPQG OXA-51-like_AVN25165.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG VGWDVNPQVGWLTGWVVQPQG OXA-51-like_AVN25165.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG VGWDVNPQVGWLTGWVVQPQG OXA-51-like_QLG79253.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG VGWDVNPQVGWLTGWVVQPQG OXA-51-like_QQB68144.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG VGWDVNPQVGWLTGWVVQPQG OXA-51-like_QQB68144.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG VGWDVNPQVGWLTGWVVQPQG OXA-51-like_QDB6914A.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG VGWDVNPQVGWLTGWVVQPQG OXA-51-like_QDB90233.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG VGWDVNPQVGWLTGWVVQPQG OXA-51-like_QHB90233.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG VGWDVNPQVGWLTGWVVQPQG OXA-51-like_BBR73296.1_A.b.			
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OXA-51-like_ASF77094 1. A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG YGWDVNPQVGWLTGWVVQPQG OXA-51-like_AVN14185.1. A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG YGWDVNPQVGWLTGWVVQPQG OXA-51-like_AXB14467.1. A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG YGWDVNPQVGWLTGWVVQPQG OXA-51-like_QLG79253.1. A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG YGWDVNPQVGWLTGWVVQPQG OXA-51-like_QD68144.1. A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG YGWDVNPQVGWLTGWVVQPQG OXA-51-like_QD68144.1. A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG YGWDVNPQVGWLTGWVVQPQG OXA-51-like_QH03197.1. A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG YGWDVNPQVGWLTGWVVQPQG OXA-51-like_QHB03197.1. A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG YGWDVNPQVGWLTGWVVQPQG OXA-51-like_QHB90233.1. A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG YGWDVNPQVGWLTGWVVQPQG OXA-51-like_BBR73296.1. A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYZKSG YGWDVNPQVGWLTGWVQPQG OXA-51-like_BBR73296.1. A.b. FAYKLANKTLPFSQKVQDE			
OXA-51-like_AVN14185.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSGVGWDVNPQVGWLTGWVVQPQG OXA-51-like_AVN25165.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSGVGWDVNPQVGWLTGWVVQPQG OXA-51-like_QLG79253.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSGVGWDVNPQVGWLTGWVVQPQG OXA-51-like_QQB68144.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSGVGWDVNPQVGWLTGWVVQPQG OXA-51-like_QJB68144.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSGVGWDVNPQVGWLTGWVVQPQG OXA-51-like_QJB03197.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSGVGWDVNPQVGWLTGWVVQPQG OXA-51-like_QJB03197.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSGVGWDVNPQVGWLTGWVVQPQG OXA-51-like_BBR73296.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSGVGWDVNPQVGWLTGWVVQPQG OXA-51-like_BBR73296.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSGVGWDVNPQVGWLTGWVVQPQG OXA-51-like_BBR73296.1 A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSGVGWDVNPQVGWLTGWVVQPQG OXA-51-like_BBR73296.1 A.b.			
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OXA-51-like_QLG79253.1_A.b. OXA-51-like_QCG79253.1_A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIY; KSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_QCB68144.1_A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIY; KSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_QCB68144.1_A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIY; KSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_QCB9317.1_A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIY; KSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_QCB90233.1_A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIY; KSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_BBR73296.1_A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIY; KSG \GWDVNPQVGWLTGWVVQPQG OXA-51-like_BBR73296.1_A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIY; KSG \GWDVNPQVGWLTGWVVQPQG			
OXA-51-like_QLG79253.1_A.b.  OXA-51-like_QD68144.1_A.b.  OXA-51-like_SQ155469.1_A.b.  OXA-51-like_QJH03197.1_A.b.  OXA-51-like_QJH03197.1_A.b.  OXA-51-like_QHB90233.1_A.b.  OXA-51-like_BBR73296.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIY; KSG NGWDVNPQVGWLTGWVVQPQG  OXA-51-like_BBR73296.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIY; KSG NGWDVNPQVGWLTGWVVQPQG  OXA-51-like_BBR73296.1_A.b.			
OXA-51-like_QQB68144.1_A.b.  OXA-51-like_SQT55469.1 A.b.  OXA-51-like_QJH03197.1_A.b.  OXA-51-like_QHB90233.1 A.b.  OXA-51-like_BBR73296.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIY; KSG VGWDVNPQVGWLTGWVVQPQG  OXA-51-like_BBR73296.1_A.b.  FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIY; KSG VGWDVNPQVGWLTGWVVVQPQG  OXA-51-like_BBR73296.1_A.b.			
OXA-51-like_SQ155469.1_A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG NGWDVNPQVGWLTGWVVQPQG OXA-51-like_QHB3197.1_A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG NGWDVNPQVGWLTGWVVVPQG OXA-51-like_BBR73296.1_A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG NGWDVNPQVGWLTGWVVQPQG OXA-51-like_BBR73296.1_A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYIKSG NGWDVNPQVGWLTGWVVQPQG			
OXA-51-like_QJH03197.1_A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSGYGWDVNPQVGWLTGWVVKPQGOXA-51-like_QHB90233.1_A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSGYGWDVNPQVGWLTGWVVQPQGOXA-51-like_BBR73296.1_A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSGYGWDVNPQVGWLTGWVVQPQG			
OXA-51-like_QHB90233.1_A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG NGWDVNPQVGWLTGWVVQPQGOXA-51-like_BBR73296.1_A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSG NGWDVNPQVGWLTGWVVQPQG			
OXA-51-like_BBR73296.1_A.b. FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSGNGWDVNPQVGWLTGWVVQPQG		FAYKLANKTLPFSQKVQDEVQSMLFIEEKNGNKIYAKSGNGWDVNPOVGWLTGW	V <b>V</b> QPÕ <b>G</b>

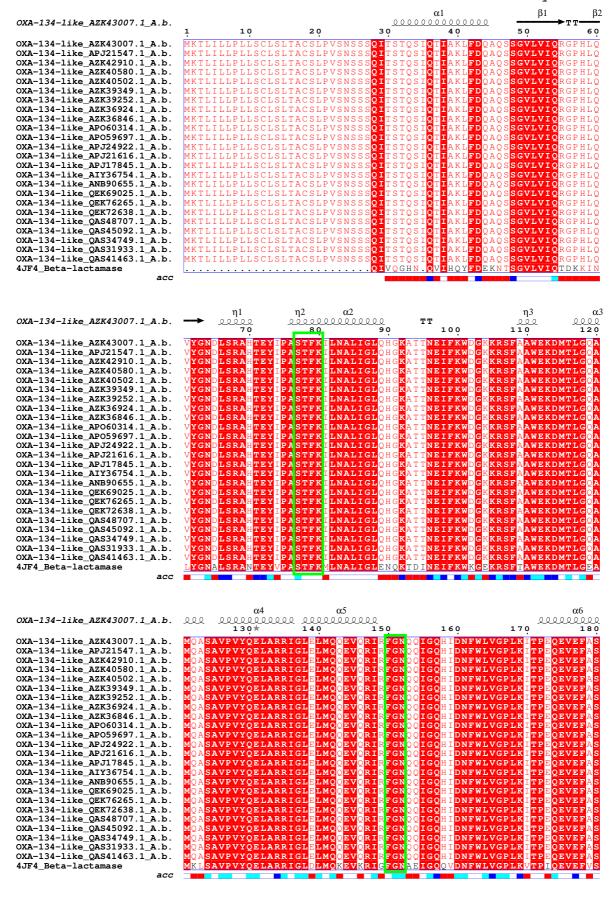
### ADD.   PART   COLOR   COLO	4ZDX_Beta-lactamase	β6 тт	α9 00000000000
02A-5-1-11ke_QTT32271.A.b.   NAYS-1HANENESC   SYNEE   T. SICCICIL COM-S-1-11ke_QTT32100.1.A.b.   NAYS-1HANENESC   SYNEE   T. SICCICIL COM-S-1-11ke_QTT32100.1.A.b.   NAYS-1HANENESC   SYNEE   T. SICCICIL COM-S-1-11ke_QTT3210.1.A.b.   NAYS-1HANENESC   SYNEE   T. SICCICIL COM-S-1-11ke_QT3210.1.A.b.   NAYS-1HANENESC   SYNEE   T. SICCICIL COM-S-1-11ke_QT3310.1.A.b.   NAYS-1HANENESC   SYNE		250	260 270
02A-51-11ke_02F39460.1_A.b. 02A-51-11ke_02F39460.1_A.b. 02A-51-11ke_02F39460.1_A.b. 02A-51-11ke_02F39460.1_A.b. 02A-51-11ke_02F39460.1_A.b. 02A-51-11ke_02F39460.1_A.b. 02A-51-11ke_02F394674.1_A.b. 02A-51-11ke_02F39474.1_A.b. 02A-51-11ke_02F39471.1_A.b. 02A-51-11ke_02F39471.1_A.b. 02A-51-11ke_02F39471.1_A.b. 02A-51-11ke_02F39471.1_A.b. 02A-51-11ke_02F394971.1_A.b. 02A-51-11ke_02F394971.1_A.b	$OXA-51-like_QLB35675.1_A.b.$	NIVAFSLNLEMKKG I P	SSVRKEMTY KSLEQLGIL
02A-51-11ke AR0316573.1 A. b.   INVAFSINJENKO   SVENE   Y. SIEDGEI   OXA-51-11ke AR031619.1 A. b.   INVAFSINJENKO   SVENE   Y. SIEDGEI   OXA-51-11ke AR031619.1 A. b.   INVAFSINJENKO   SVENE   Y. SIEDGEI   OXA-51-11ke AR03219.1 A. b.   IN		NIVAFSLNLEMKKGIP	SSVRKE <mark>ITY</mark> KSLEQLGIL
02A-51-11ke AS071619-1 A. b.			
00A-51-like QR89273   A.B.   IVAFSINJENKKO   SVMER   TY   SIGOGI   OXA-51-like QR89227   A.B.   NIVAFSINJENKKO   SVMER   TY   SIGOGI   OXA-51-like AVF0064   A.B.   NIVAFSINJENKKO   SVMER   TY   SIGOGI   OXA-51-like QR87786   A.B.   NIVAFSINJENKKO   SVMER   TY   SIGOGI   OXA-51-like QR878799   A.B.   NIVAFSINJENKKO   SVMER   TY   SIGOGI   OXA-51-like QR878799   A.B.   NIVAFSINJENKKO   SVMER   TY   SIGOGI   OXA-51-like QR8787219   A.B.   NIVAFSINJENKKO   SVMER   TY   SIGOGI   OXA-51-like QR8787319   A.B.   NIVAFSINJENKKO   SVMER   TY   SIGOGI   OXA-51-like QR8787319   A.B.   NIVAFSINJENKKO   SVMER   TY   SIGOGI   OXA-51-like QR878739   A.B.   NIVAFSINJENKKO   SVMER   TY   SIGOGI   OXA-51-like QR878731   A.B.   NIVAFSINJENKKO	OXA-51-like_ASO71619.1_A.b.	NIVAFSLNLEMKKGIP	SSVRKE I TYKSLEQLGIL
02A-51-like_QWS02274   A.B. 02A-51-like_AVP07044   A.B. 02A-51-like_QVF03678   A.B. 02A-51-like_QVF03678   A.B. 02A-51-like_QVF03678   A.B. 02A-51-like_QVF03678   A.B. 02A-51-like_QVF03678   A.B. 02A-51-like_AVP070478   A.B. 02A-51-lik	OXA-51-like_QCR89674.1_A.b.	NIVAFSLNLEMKKGIP	SSVRKE I TYKSLEQLGIL
0XA-51-11ke APRO7049 1 A. b.   INVAFISINIEMEKG   SSVERE   Y   SIGLGII   0XA-51-11ke (DRN77846 1 A. b. )   INVAFISINIEMEKG   SSVERE   Y   SIGLGII   0XA-51-11ke ARO11944 2 A. b.   INVAFISINIEMEKG   SSVERE   Y   SIGLGII   0XA-51-11ke ARO11944 2 A. b.   INVAFISINIEMEKG   SSVERE   Y   SIGLGII   0XA-51-11ke ARO11944 2 A. b.   INVAFISINIEMEKG   SSVERE   Y   SIGLGII   0XA-51-11ke (DR07078 1 A. b.   INVAFISINIEMEKG   SSVERE   Y   SIGLGII   0XA-51-11ke (DR07078 1 A. b.   INVAFISINIEMEKG   SSVERE   Y   SIGLGII   0XA-51-11ke (DR07078 1 A. b.   INVAFISINIEMEKG   SSVERE   Y   SIGLGII   0XA-51-11ke (DR07078 1 A. b.   INVAFISINIEMEKG   SSVERE   Y   SIGLGII   0XA-51-11ke (DR07078 1 A. b.   INVAFISINIEMEKG   SSVERE   Y   SIGLGII   0XA-51-11ke (DR07078 1 A. b.   INVAFISINIEMEKG   SSVERE   Y   SIGLGII   0XA-51-11ke (DR07078 1 A. b.   INVAFISINIEMEKG   SSVERE   Y   SIGLGII   0XA-51-11ke (DR07078 1 A. b.   INVAFISINIEMEKG   SSVERE   Y   SIGLGII   0XA-51-11ke (DR07078 1 A. b.   INVAFISINIEMEKG   SSVERE   Y   SIGLGII   0XA-51-11ke (DR07078 1 A. b.   INVAFISINIEMEKG   SSVERE   Y   SIGLGII   0XA-51-11ke (DR07078 1 A. b.   INVAFISINIEMEKG   SSVERE   Y   SIGLGII   0XA-51-11ke (DR07078 1 A. b.   INVAFISINIEMEKG   SSVERE   Y   SIGLGII   0XA-51-11ke (DR07078 1 A. b.   INVAFISINIEMEKG   SSVERE   Y   SIGLGII   0XA-51-11ke (DR07078 1 A. b.   INVAFISINIEMEKG   SSVERE   Y   SIGLGII   0XA-51-11ke (DR07078 1 A. b.   INVAFISINIEMEKG   SSVERE   Y   SIGLGII   0XA-51-11ke (DR07078 1 A. b.   INVAFISINIEMEKG   SSVERE   Y   SIGLGII   0XA-51-11ke (DR07078 1 A. b.   INVAFISINIEMEKG   SSVERE   Y   SIGLGII   0XA-51-11ke (DR07078 1 A. b.   INVAFISINIEMEKG   SSVERE   Y   SIGLGII   0XA-51-11ke (DR07078 1 A. b.   INVAFISINIEMEKG   SSVERE   Y   SIGLGII   0XA-51-11ke (DR07078 1 A. b.   INVAFISINIEMEKG   SSVERE   Y   SIGLGII   0XA-51-11ke (DR07078 1 A. b.   INVAFISINIEMEKG   SSVERE   Y   SIGLGII   0XA-51-11ke (DR07078 1 A. b.   INVAFISINIEMEKG   SSVERE   Y   SIGLGII   0XA-51-11ke (DR07078 1 A. b.   INVAFISINIEMEKG   SSVERE   Y   SIGLGII   0XA-51-11ke (DR07078 1 A. b	OXA-51-like_QMS82274.1_A.b.	NIVAFSLNLEMKKGIP	SSVRKE I TYKSLEQLGIL
0XA-51-11ke QBR79791 A. b.	OXA-51-like_AVF07049.1_A.b.	NIVAFSLNLEMKKGIP	SSVRKE I TYKSLEQLGIL
0XA-51-11ke AB011944.2.A.b.  0XA-51-11ke AB011944.2.A.b.  0XA-51-11ke AB01340379.1.A.b.  0XA-51-11ke AB01340379.1.A.b.  0XA-51-11ke AB01340379.1.A.b.  0XA-51-11ke AB01340379.1.A.b.  0XA-51-11ke QAB40703.1.A.b.  0XA-51-11ke QXX24578.1.A.b.  0XA-51-11ke QXX24578.1.A.b.  0XA-51-11ke QXX24578.1.A.b.  0XA-51-11ke QXX24578.1.A.b.  0XA-51-11ke QXX2578.1.A.b.  0XA-51-11ke	OXA-51-like_QBR77846.1_A.b.	NIVAFSLNLEMKKGIP	SSVRKE <mark>ITY</mark> KSLEQLGIL
0XA-51-11ke, 0B4949379.1.A.b. 0XA-51-11ke, 0D406044.1.A.b. 0XA-51-11ke, 0D406044.1.A.b. 0XA-51-11ke, 0D406044.1.A.b. 0XA-51-11ke, 0D706044.1.A.b. 0XA-51-11ke, 0XT22671.A.b. 0XA-51-11ke, 0XT22671.A.b. 0XA-51-11ke, 0XT22671.A.b. 0XA-51-11ke, 0XT22671.A.b. 0XA-51-11ke, 0XT22672.A.b. 0XA-51-11ke, 0ZT22671.A.b. 0XA-51-11ke, 0ZT22671.A.b. 0XA-51-11ke, 0ZT22671.A.b. 0XA-51-11ke, 0ZT22671.A.b. 0XA-51-11ke, 0ZT22671.A.b. 0XA-51-11ke, 0ZT227219.1.A.b. 0XA-51-11k			
OXA-51-11ke, QD4040708.1.A.b.  VAXA-51-11ke, QD60454.1.A.b.  VAXA-51-11ke, QD60454.1.A.b.  VAXA-51-11ke, QD702678.1.A.b.  VAXA-51-11ke, QD702678.1.A.b.  VAXA-51-11ke, QD702678.1.A.b.  VAXA-51-11ke, QER37219.1.A.b.  VAXA-51-11ke, QUF06531.1.A.b.  VAXA-51-11ke, QUF06401.1.A.b.  VAXA-51-11ke, QUF06401.1.A.b.  VAXA-51-11ke, QUF06401.1.A.b.  VAXA-51-11ke, QUF06401.1.A.b.  VAXA-51-11ke, QUF06401.1.A.b.  VAXA-51-11ke, QUF06501.1.A.b.  VA			
OXA-51-11ke (DX23678.1 A.b.  VAXA-51-11ke (DX23678.1 A.b.  VAXA-51-11ke (DX23674.1 A.b.  VAXA-51-11ke (DX23671.1 A.b.  VAXA-51-11ke (DX23671.1 A.b.  VAXA-51-11ke (DX23671.1 A.b.  VAXA-51-11ke (DX2371.1 A.b.  VXXA-51-11ke (DX2371.1 A.b.  VXXA-51	OXA-51-like_QAB40708.1_A.b.	NIVAFSLNLEMKKGIP	SSVRKE I TYKSLEQLGIL
OXA-51-11ke QNT92744.1 A.B. NIMAFSINLEMENC   SSVENE TY SLECTION OXA-51-11ke QSW37219.1 A.B. NIMAFSINLEMENC   SSVENE TY SLECTION OXA-51-11ke QUF06531.1 A.B. NIMAFSINLEMENC   SSVENE TY SLECTION OXA-51-11ke QUF06531.1 A.B. NIMAFSINLEMENC   SSVENE TY SLECTION OXA-51-11ke ACQ060391.1 A.B. NIMAFSINLEMENC   SSVENE TY SLECTION OXA-51-11ke QSVINIA   A.B. NIMAFSINLEMENC   SSVENE TY SLECTION OXA-51-11ke QCP239331.1 A.B. NIMAFSINLEMENC   SSVENE TY SLECTION OXA-51-11ke QCP23939.1 A.B. NIMAFSINLEMENC   SSVENE TY SLECTION OXA-51-11ke QCP23939.1 A.B. NIMAFSINLEMENC   SSVENE TY SLECTION OXA-51-11ke QCP23493.1 A.B. NIMAFSINLEMENC   SSV	OXA-51-like_QKY23678.1_A.b.	NIVAFSLNLEMKKGIP	SSVRKE I TYKSLEQLGIL
OXA-51-11ke QUR96390 1 A D. NIVAFISINEMERG   SSVERE TY SLECTION OXA-51-11ke ACQC6390 1 A D. NIVAFISINEMERG   SSVERE TY SLECTION OXA-51-11ke ACQC6390 1 A D. NIVAFISINEMERG   SSVERE TY SLECTION OXA-51-11ke ACQC6390 1 A D. NIVAFISINEMERG   SSVERE TY SLECTION OXA-51-11ke ACCC640 1 A D. NIVAFISINEMERG   SSVERE TY SLECTION OXA-51-11ke QURY8101 1 A D. NIVAFISINEMERG   SSVERE TY SLECTION OXA-51-11ke QURY8101 1 A D. NIVAFISINEMERG   SSVERE TY SLECTION OXA-51-11ke QURY8101 1 A D. NIVAFISINEMERG   SSVERE TY SLECTION OXA-51-11ke QURY8101 1 A D. NIVAFISINEMERG   SSVERE TY SLECTION OXA-51-11ke QUR9612 1 A D. NIVAFISINEMERG   SSVERE TY SLECTION OXA-51-11ke QUR9612 1 A D. NIVAFISINEMERG   SSVERE TY SLECTION OXA-51-11ke QUR9612 1 A D. NIVAFISINEMERG   SSVERE TY SLECTION OXA-51-11ke QUR9612 1 A D. NIVAFISINEMERG   SSVERE TY SLECTION OXA-51-11ke QUR9612 1 A D. NIVAFISINEMERG   SSVERE TY SLECTION OXA-51-11ke QUR9612 1 A D. NIVAFISINEMERG   SSVERE TY SLECTION OXA-51-11ke QUR9612 1 A D. NIVAFISINEMERG   SSVERE TY SLECTION OXA-51-11ke ARMS1023 1 A D. NIVAFISINEMERG   SSVERE TY SLECTION OXA-51-11ke ARMS1023 1 A D. NIVAFISINEMERG   SSVERE TY SLECTION OXA-51-11ke ARMS1023 1 A D. NIVAFISINEMERG   SSVERE TY SLECTION OXA-51-11ke QUR9612 1 A D. NIVAFISINEMERG   SSVERE TY SLECTION OXA-51-11ke QUR9612 1 A D. NIVAFISINEMERG   SSVERE TY SLECTION OXA-51-11ke QUR9612 1 A D. NIVAFISINEMERG   SSVERE TY SLECTION OXA-51-11ke QUR9612 1 A D. NIVAFISINEMERG   SSVERE TY SLECTION OXA-51-11ke QUR9612 1 A D. NIVAFISINEMERG   SSVERE TY SLECTION OXA-51-11ke QUR9612 1 A D. NIVAFISINEMERG   SSVERE TY SLECTION OXA-51-11ke QUR9613 1 A D. NIVAFISINEMERG   SSVERE TY SLECTION OXA-51-11ke QUR9613 1 A D. NIVAFISINEMERG   SSVERE TY SLECTION OXA-51-11ke QUR9613 1 A D. NIVAFISINEMERG   SSVERE TY SLECTION OXA-51-11ke QUR9613 1 A D. NIVAFISINEMERG   SSVERE TY SLECTION OXA-51-11ke QUR9613 1 A D. NIVAFISINEMERG   SSVERE TY SLECTION OXA-51-11ke QUR9613 1 A D. NIVAFISINEMERG   SSVERE TY SLECTION OXA-51-11ke QUR9613 1 A D. NIVAFISINEMERG   SSVERE TY SLECTION OXA-51-11ke QUR9613	OXA-51-like_QNT82744.1_A.b.	NIVAFSLNLEMKKG I P	SSVRKE I TY K SLEQLGIL
OXA-51-11ke AGOGG390.1 A.B. NIVAFSINLEMKK CIF SVNKE TY SLEDIGIL OXA-51-1ke QCP28577 1 A.B. NIVAFSINLEMKS CIF SVNKE TY SLEDIGIL OXA-51-1ke ATY3715.2 A.B. NIVAFSINLEMKS CIF SVNKE TY SLEDIGIL OXA-51-1ke APOS8838 1 A.B. NIVAFSINLEMKS CIF SVNKE TY SLEDIGIL OXA-51-1ke QCP23238 1 A.B. NIVAFSINLEMKS CIF SVNKE TY SLEDIGIL OXA-51-1ke QCP23238 1 A.B. NIVAFSINLEMKS CIF SVNKE TY SLEDIGIL OXA-51-1ke QCP23238 1 A.B. NIVAFSINLEMKS CIF SVNKE TY SLEDIGIL OXA-51-1ke QCP23238 1 A.B. NIVAFSINLEMKS CIF SVNKE TY SLEDIGIL OXA-51-1ke QCP23238 1 A.B. NIVAFSINLEMKS CIF SVNKE TY SLEDIGIL OXA-51-1ke QCP33258 1 A.B. NIVAFSINLEMKS CIF SVNKE TY SLEDIGIL OXA-51-1ke QCP37251 1 A.B. NIVAFSINLEMKS CIF SVNKE TY SLEDIGIL OXA-51-1ke QCP37521 1 A.B. NIVAFSINLEMKS CIF SVNKE TY SLEDIGIL OXA-51-1ke QCP37521 1 A.B. NIVAFSINLEMKS CIF SVNKE TY SLEDIGIL OXA-51-1ke QCP37521 1 A.B. NIVAFSINLEMKS CIF SVNKE TY SLEDIGIL OXA-51-1ke QCP37521 1 A.B. NIVAFSINLEMKS CIF SVNKE TY SLEDIGIL OXA-51-1ke QCP37626 1 A.B. NIVAFSINLEMKS CIF SVNKE TY SLEDIGIL OXA-51-1ke QCP36080 1 A.B. NIVAFSINLEMKS CIF SVNKE TY SLEDIGIL OXA-51-1ke QCP3608 1 A.B. NIVAFSINLEMKS CIF SVNKE TY SLEDIGIL OXA-51-1ke QCP3608 1 A.B. NIVAFSINLEMKS CIF SVNKE TY SLEDIGIL OXA-51-1ke QCP3608 1 A.B. NIVAFSINLEMKS CIF SVNKE TY SLEDIGIL OXA-51-1ke QCP3608 1 A.B. NIVAFSINLEMKS CIF SVNKE TY SLEDIGIL OXA-51-1ke QCP3600 1 A.B. NIVAFSINLEMKS CIF SVNKE TY SLEDIGIL OXA-51-1ke QCP3600 1 A.B. NIVAFSINLEMKS CIF SVNKE TY SLEDIGIL OXA-51-1ke QCP3600 1 A.B. NIVAFSINLEMKS CIF SVNKE TY SLEDIGIL OXA-51-1ke QCP3600 1 A.B. NIVAFSINLEMKS CIF SVNKE TY SLEDIGIL OXA-51-1ke QCP3600 1 A.B. NIVAFSINLEMKS CIF SVNKE TY SLEDIGIL OXA-51-1ke QCP3600 1 A.B. NIVAFSINLEMKS CIF SVNKE TY SLEDIGIL OXA-51-1ke QCP3600 1 A.B. NIVAFSINLEMKS CIF SVNKE TY SLEDIGIL OXA-51-1ke QCP3600 1 A.B. NIVAFSINLEMKS CIF SVNKE TY SLEDIGIL OXA-51-1ke QCP3600 1 A.B. NIVAFSINLEMKS CIF SVNKE TY SLEDIGIL OXA-51-1ke QCP3600 1 A.B. NIVAFSINLEMKS CIF SVNKE TY SLEDIGIL OXA-51-1ke QCP3600 1 A.B. NIVAFSINLEMKS CIF SVNKE TY SLEDIGIL OXA-51-1ke QCP3600 1 A.B. NIVAFSINLEMKS CIF S	OXA-51-like_APX50552.1_A.b. OXA-51-like_QER37219.1_A.b.	NIVAFSLNLEMKKGIP	SSVRKE I TYKSLEQLGIL
OXA-51-11ke QCP28577. 1 A. D. NIVAFILNEMKK C   SVRKE   TY SLECICIL OXA-51-11ke AROS8838 1 A. D. NIVAFILNEMKK C   SVRKE   TY SLECICIL OXA-51-11ke AROS8838 1 A. D. NIVAFILNEMKK C   SVRKE   TY SLECICIL OXA-51-11ke QXX43641 A. D. NIVAFILNEMKK C   SVRKE   TY SLECICIL OXA-51-11ke QXX23641 A. D. NIVAFILNEMKK C   SVRKE   TY SLECICIL OXA-51-11ke QXX236			
OXA-51-11ke AND 58838.1 A. b. OXA-51-11ke AXX36431.3 A. b. OXA-51-11ke AXX36431.3 A. b. OXA-51-11ke AXX36431.3 A. b. OXA-51-11ke QPC23393.1 A. b. OXA-51-11ke QPC23393.1 A. b. OXA-51-11ke QPC23393.1 A. b. OXA-51-11ke QPC23393.1 A. b. OXA-51-11ke QPC23493.1 A. b. OXA-51-11ke QPC23493.1 A. b. OXA-51-11ke QPC3604.1 A. b. OXA-51-11ke QPC3604.1 A. b. OXA-51-11ke QPC3604.1 A. b. OXA-51-11ke QPC3605.1 A. b. OXA-51-11ke AXX37991.1 A. b. OXA-51-11ke AXX37991.1 A. b. OXA-51-11ke AXX37991.1 A. b. OXA-51-11ke QPC3608.1 A. b. OXA-51-11ke QPC360.1 A. b. OXA-51-11ke QPC3608.1 A. b. OXA-51-11ke QPC36	OXA-51-like_QCP28577.1_A.b.	NIVAFSLNLEMKKGIP	SSVRKE I TYKSLEQLGIL
OXA-51-11ke QPS14110.1 A.b. NIVAFSINLEMKKG   SSVRRE   TY SIEQLGID   CXA-51-11ke QCG20393.1 A.b. NIVAFSINLEMKKG   SSVRRE   TY SIEQLGID   CXA-51-11ke QCG803258.1 A.b. NIVAFSINLEMKKG   SSVRRE   TY SIEQLGID   CXA-51-11ke QCG83258.1 A.b. NIVAFSINLEMKKG   SSVRRE   TY SIEQLGID   CXA-51-11ke QCG83258.1 A.b. NIVAFSINLEMKKG   SSVRRE   TY SIEQLGID   CXA-51-11ke QCG60313.1 A.b. NIVAFSINLEMKKG   SSVRRE   TY SIEQLGID   CXA-51-11ke QCG60313.1 A.b. NIVAFSINLEMKKG   SSVRRE   TY SIEQLGID   CXA-51-11ke QCG60313.1 A.b. NIVAFSINLEMKG   SSVRRE   TY SIEQLGID   CXA-51-11ke QCG60313.1 A.b. NIVAFSINLEMKG   SSVRRE   TY SIEQLGID   CXA-51-11ke QCG603313.1 A.b. NIVAFSINLEMKG   SSVRRE   TY SIEQLGID   CXA-51-11ke QCG70330.1 A.b. NIVAFSINLEMKG   SSVRRE   TY SIEQLGID   CXA-51-11ke QCF03404.1 A.b. NIVAFSINLEMKG   SSVRRE   TY SIEQLGID   CXA-51-11ke QCF03408.1	OXA-51-like_APO58838.1_A.b.	NIVAFSLNLEMKKGIE	SSVRKE <mark>ITY</mark> KSLEQLGIL
OXA-51-like QJG76604.1 A.b.	OXA-51-like_QBY14110.1_A.b.	NIVAFSLNLEMKKGIP	SSVRKE I TYKSLEQLGIL
OXA-51-11ke QU83258.1 A.b. ONIVAFSINLEMKKG   PSVKRE   TY SLEQLGIL OXA-51-11ke QU87351.1 A.b. ONIVAFSINLEMKG   PSVKRE   TY SLEQLGIL OXA-51-11ke ANR01331.1 A.b. ONIVAFSINLEMKG   PSVKRE   TY SLEQLGIL OXA-51-11ke QN80466.1 A.b. ONIVAFSINLEMKG   PSVKRE   TY SLEQLGIL OXA-51-11ke QN80463.1 A.b. ONIVAFSINLEMKG   PSVKRE   TY SLEQLGIL OXA-51-11ke QN80464.1 A.b. ONIVAFSINLEMKG   PSVKRE   TY SLEQLGIL OXA-51-11ke QN80465.1 A.b. ONIVAFSINLEMKG   PSVKRE   TY SLEQLGIL OXA-51-11ke QN80465.1 A.b. ON	$OXA-51-like_QJG76604.1_A.b.$	NIVAFSLNLEMKKGIP	SSVRKE I TYKSLEQLGIL
OXA-51-like_AMN01331.1 A.b. OXA-51-like_AMN01331.1 A.b. OXA-51-like_AMN01331.1 A.b. OXA-51-like_DM66666.1 A.b. OXA-51-like_OM66666.1 A.b. OXA-51-like_OFQ00525.0 1.A.b. OXA-51-like_OFQ00525.0 1.A.b. OXA-51-like_OFQ00525.0 1.A.b. OXA-51-like_OFQ00525.0 1.A.b. OXA-51-like_OFQ00525.0 1.A.b. OXA-51-like_OFQ00525.0 1.A.b. OXA-51-like_OFQ00526.1 A.b. OXA-51-like_OFQ00526.1 A.b. OXA-51-like_OFQ00526.0 1.A.b. OXA-51-like_OFG00525.0 1.A.b. OXA-51-like_OFF00525.0 1.A.b. OXA-51-like_OFF00527.0 1.A.b. OXA-51-like_OFF132440.1 A.b. OXA-51-like_OFF13249.1 A.b. OXA-51-like_OFF13249.1 A.b. OXA-51-like_OFF1329.0 1.A.b. OXA-51-like_OFF1329.0 1.A.b. OXA-51-like_OFF1329.0 1.A.b. OXA-51-like_OFF1329.0 1.A.b. OXA-51-like_OFF10281.1 A.b. OXA-51-like_OFF10281.1 A.b. OXA-51-like_OFF10281.1 A.b. OXA-51-like_OFF009.1 A.b. OXA-51-like_OFF009.		NIVAFSLNLEMKKGIP NIVAFSLNLEMKKGIP	SSVRKEITYKSLEQLGIL SSVRKEITYKSLEQLGIL
OXA-51-like ANNO1331.1 A.b. OXA-51-like QN066466.1 A.b. OXA-51-like QN066466.1 A.b. OXA-51-like QN066466.1 A.b. OXA-51-like QN066466.1 A.b. OXA-51-like QN005250.1 A.b. OXA-51-like QN05250.1 A.b. OXA-51-like QN05250.1 A.b. OXA-51-like QN05250.1 A.b. OXA-51-like QN05250.1 A.b. OXA-51-like QN076303.1 A.b. OXA-51-like QN076300.1 A.b. OXA-51-like QN07600.1 A.b. OXA-51-like		NIVAFSLNLEMKKGIP	SSVRKE I TYKSLEQLGIL
OXA-51-11ke QBY00891 A. b. OXA-51-11ke QBY008250 1. A. b. OXA-51-11ke QBY008250 1. A. b. OXA-51-11ke QBY008250 1. A. b. OXA-51-11ke QBY12630 1. A. b. OXA-51-11ke QBY14787 1. A. b. OXA-51-11ke QBY158790 1. A. b. OXA-51-11ke QBY158790 1. A. b. OXA-51-11ke QBY158790 1. A. b. OXA-51-11ke QBY16883 1. A. b. OXA-51-11ke QBY16884 1. A. b. OXA-51-11ke QBY16883 1. A. b. OXA-51-11ke QBY16891 1. A. b. OXA-51-11ke QBY16883 1. A. b. OXA-51-11ke QBY16891 1. A. b. OXA	OXA-51-like_AMN01331.1_A.b.	NIVAFSLNLEMKKGIP	SSVRKE I TYKSLEQLGIL
OXA-51-like QCK051318:1 A.b. OXA-51-like QCK031318:1 A.b. OXA-51-like QNR3403:1 A.b. OXA-51-like QNR3403:1 A.b. OXA-51-like QNF14787:1 A.b. OXA-51-like QLF12470:1 A.b. OXA-51-like QLF128790:1 A.b. OXA-51-like QLF35790:1 A.b. OXA-51-like QLF287390:1 A.b. OXA-51-like QLF287390:1 A.b. OXA-51-like SCD15761:1 A.b. OXA-51-like SCD15761:1 A.b. OXA-51-like BAP66909:1 A.b. OXA-51-like BAP66909:1 A.b. OXA-51-like QCF30880:1 A.b. OXA-51-like QCF30880:1 A.b. OXA-51-like QCF30880:1 A.b. OXA-51-like QCF30880:1 A.b. OXA-51-like QCF30780:1 A.b. OXA-51-like QCR30780:1 A.b.	OXA-51-like_QDM66466.1_A.b.	NIVAFSLNLEMKKG I P	SSVRKE I TY K SLEQLGIL
OXA-51-like QNF912630.1 A.b. OXA-51-like QNF914787.1 A.b. OXA-51-like QNF914787.1 A.b. OXA-51-like QNF914787.1 A.b. OXA-51-like QNF935790.1 A.b. OXA-51-like QNF935790.1 A.b. OXA-51-like QNF935790.1 A.b. OXA-51-like QNF935790.1 A.b. OXA-51-like SCD15761.1 A.b. OXA-51-like SCD15761.1 A.b. OXA-51-like BAP66909.1 A.b. OXA-51-like QNF935790.1 A.b. OXA-51-like QNF935790.1 A.b. OXA-51-like QNF93580.1 A.b. OXA-51-like QNF93580	$OXA-51-like_QFQ05250.1_A.b.$	NIVAFSLNLEMKKGIP	SSVRKE I TYKSLEQLGIL
OXA-51-like QJF14787.1 A.b. OXA-51-like QJF35790.1 A.b. OXA-51-like QJF35790.1 A.b. OXA-51-like QJF35790.1 A.b. OXA-51-like AYY52683.1 A.b. OXA-51-like QF30880.1 A.b. OXA-51-like CAY50560.1 A.b. OXA-51-like CAY50718.1 A.b. OXA-51-like CAY5171.1 A.b. OXA-51	OXA-51-like_QPP12630.1_A.b.	NIVAFSLNLEMKKGIP	SSVRKE I TYKSLEQLGIL
OXA-51-like QUT32440.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYK SLEOLGIIL OXA-51-like QUT3790.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYK SLEOLGIIL OXA-51-like AYS16263.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYK SLEOLGIIL OXA-51-like SCD15761.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYK SLEOLGIIL OXA-51-like BAP6699.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYK SLEOLGIIL OXA-51-like QCC930880.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYK SLEOLGIIL OXA-51-like QCC930880.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYK SLEOLGIIL OXA-51-like QCC08718.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYK SLEOLGIIL OXA-51-like QCC08718.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYK SLEOLGIIL OXA-51-like QCC08718.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYK SLEOLGIIL OXA-51-like QCC02484.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYK SLEOLGIIL OXA-51-like QCC02484.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYK SLEOLGIIL OXA-51-like QRN024730.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYK SLEOLGIIL OXA-51-like QRN09142.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYK SLEOLGIIL OXA-51-like QET16099.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYK SLEOLGIIL OXA-51-like QET16099.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYK SLEOLGIIL OXA-51-like QET16099.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYK SLEOLGIIL OXA-51-like AVC5151.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYK SLEOLGIIL OXA-51-like AVC5151.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYK SLEOLGIIL OXA-51-like AVC5192.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYK SLEOLGIIL OXA-51-like AVC6199.1 A.b. NIVAFSINLEMKG IP SSVRKE TYK SLEOLGIIL OXA-51-like QCC0276.1 A.b. NIVAFSINLEMKG IP SSVRK		NIVAFSLNLEMKKGIP	SSVRKE I TYKSLEQLGIL
OXA-51-like AYS5683.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYKSLEOLGIL OXA-51-like SCD15761.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYKSLEOLGIL OXA-51-like OCC93080.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYKSLEOLGIL OXA-51-like OCC9444.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYKSLEOLGIL OXA-51-like OCC9444.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYKSLEOLGIL OXA-51-like ORN2730.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYKSLEOLGIL OXA-51-like ORN9142.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYKSLEOLGIL OXA-51-like ORN14361.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYKSLEOLGIL OXA-51-like ORN14361.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYKSLEOLGIL OXA-51-like AHB91645.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYKSLEOLGIL OXA-51-like AHB91645.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYKSLEOLGIL OXA-51-like ANG35117.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYKSLEOLGIL OXA-51-like AVS55122.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYKSLEOLGIL OXA-51-like AVG84775.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYKSLEOLGIL OXA-51-like AVG84775.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYKSLEOLGIL OXA-51-like AVG9216.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYKSLEOLGIL OXA-51-like AVG92944.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYKSLEOLGIL OXA-51-like AVG92944.1 A.b. NIVAFSINLEMKKG IP SSVRKE TYKSLEOLGIL OXA-51-like AVG92935.1 A.b. NIVAFSINLEMKG IP SSVRKE TYKSLEOLGIL OXA-51-like OCCATORS.1 A.B. NIVAFSINLEMKG IP SSVRKE TYKSLEOLGIL OXA-51-like OCCATORS.1 A.B. NIVAFSINLEM	OXA-51-like_QJF32440.1_A.b.	NIVAFSLNLEMKKGIP	SSVRKE I TYKSLEQLGIL
OXA-51-like_BAP66909.1 a.b. NIVAFSINLEMKKG   PSVNRE   TYKSLEQLGIL OXA-51-like_QCP30880.1 a.b. NIVAFSINLEMKKG   PSVNRE   TYKSLEQLGIL OXA-51-like_QCB70560.1 a.b. NIVAFSINLEMKKG   PSVNRE   TYKSLEQLGIL OXA-51-like_QCD18717.1 a.b. NIVAFSINLEMKKG   PSVNRE   TYKSLEQLGIL OXA-51-like_QCD2484.1 a.b. NIVAFSINLEMKKG   PSVNRE   TYKSLEQLGIL OXA-51-like_QCD2484.1 a.b. NIVAFSINLEMKKG   PSVNRE   TYKSLEQLGIL OXA-51-like_QRN22730.1 a.b. NIVAFSINLEMKKG   PSVNRE   TYKSLEQLGIL OXA-51-like_QRN22730.1 a.b. NIVAFSINLEMKKG   PSVNRE   TYKSLEQLGIL OXA-51-like_QRN21730.1 a.b. NIVAFSINLEMKKG   PSVNRE   TYKSLEQLGIL OXA-51-like_QRN21730.1 a.b. NIVAFSINLEMKG   PSVNRE   TYKSLEQLGIL OXA-51-like_QRN21731.1 a.b. NIVAFSINLEMKG   PSVNRE   TYKSLEQLGIL OXA-51-like_QRN21731.1 a.b. NIVAFSINLEMKG   PSVNRE   TYKSLEQLGIL OXA-51-like_QRN21731.1 a.b. NIVAFSINLEMKG   PSVNRE   TYKSLEQLGIL OXA-51-like_QR188347.1 a.b. NIVAFSINLEMKG   PSVNRE   TYKSLEQLGIL OXA-51-like_ARC3817.1 a.b. NIVAFSINLEMKG   PSVNRE   TYKSLEQLGIL OXA-51-like_QPT27678.1 a.b. NIVAFSINLEMKG   PSVNRE   TYKSLEQLGIL OXA-51-like_QPT20771.1 a.b. NIV	OXA-51-like_QLF10281.1_A.b.	NIVAFSLNLEMKKGIP	SSVRKE <mark>ITY</mark> KSLEQLGIL
OXA-51-like_QCP30880.1 A.b. NIVAFSLNLEMKKG IPSVRKE ITYKSLEQLGIL OXA-51-like_QCD80718.1 A.b. NIVAFSLNLEMKG IPSVRKE ITYKSLEQLGIL OXA-51-like_QCD2484.1 A.b. NIVAFSLNLEMKKG IPSVRKE ITYKSLEQLGIL OXA-51-like_QCD22484.1 A.b. NIVAFSLNLEMKKG IPSVRKE ITYKSLEQLGIL OXA-51-like_QCD22484.1 A.b. NIVAFSLNLEMKKG IPSVRKE ITYKSLEQLGIL OXA-51-like_QRN22730.1 A.b. NIVAFSLNLEMKKG IPSVRKE ITYKSLEQLGIL OXA-51-like_QRN09142.1 A.b. NIVAFSLNLEMKKG IPSVRKE ITYKSLEQLGIL OXA-51-like_QRN09142.1 A.b. NIVAFSLNLEMKKG IPSVRKE ITYKSLEQLGIL OXA-51-like_QRN1461.1 A.b. NIVAFSLNLEMKKG IPSVRKE ITYKSLEQLGIL OXA-51-like_QRN1461.1 A.b. NIVAFSLNLEMKKG IPSVRKE ITYKSLEQLGIL OXA-51-like_QRN14847.1 A.b. NIVAFSLNLEMKKG IPSVRKE ITYKSLEQLGIL OXA-51-like_ABB91645.1 A.b. NIVAFSLNLEMKKG IPSVRKE ITYKSLEQLGIL OXA-51-like_ABB91645.1 A.b. NIVAFSLNLEMKKG IPSVRKE ITYKSLEQLGIL OXA-51-like_ARC35117.1 A.b. NIVAFSLNLEMKKG IPSVRKE ITYKSLEQLGIL OXA-51-like_ARC35117.1 A.b. NIVAFSLNLEMKKG IPSVRKE ITYKSLEQLGIL OXA-51-like_AVC3512.1 A.b. NIVAFSLNLEMKKG IPSVRKE ITYKSLEQLGIL OXA-51-like_AVC3512.1 A.b. NIVAFSLNLEMKKG IPSVRKE ITYKSLEQLGIL OXA-51-like_AVC3512.1 A.b. NIVAFSLNLEMKKG IPSVRKE ITYKSLEQLGIL OXA-51-like_AVC3472.1 A.b. NIVAFSLNLEMKKG IPSVRKE ITYKSLEQLGIL OXA-51-like_AVC34949.1 A.b. NIVAFSLNLEMKKG IPSVRKE ITYKSLEQLGIL OXA-51-like_AVC3494.1 A.b. NIVAFSLNLEMKKG IPSVRKE ITYKSLEQLGIL OXA-51-like_AVC3493.1 A.b. NIVAFSLNLEMKKG IPSVRKE ITYKSLEQLGIL OXA-51-like_QVC3493.1 A.b. NIVAFSLNLEMKKG IPSVRKE ITYKSLEQLGIL OXA-51-like_QVC3493.1 A.b. NIVAFSLNLEMKKG IPSVRKE ITYKSLEQLGIL OXA-51-like_Q	OXA-51-like_SCD15761.1_A.b.	NIVAFSLNLEMKKGIP	SSVRKE I TYKSLEQLGIL
XXA-51-11ike QCD18717.1 A.b. XXA-51-11ike QCD12484.1 A.b. XXA-51-11ike QCD22484.1 A.b. XXA-51-11ike QRX22730.1 A.b. XXA-51-11ike QRX12730.1 A.b. XXA-51-11ike QRX177816.1 A.b. XXA-51-11ike QRX17816.1 A.b. XXA-51-11ike QRX17816.1 A.b. XXA-51-11ike QRX1914361.1 A.b. XXA-51-11ike QRX1914361.1 A.b. XXA-51-11ike QEXTROPORTOR A.B. XXA-51-11ike AXB35117.1 A.B. XXA-51-11ike AXB34775.1 A.B. XXA-51-11ike AXB34775.1 A.B. XXA-51-11ike AXB34775.1 A.B. XXA-51-11ike XXB34775.1 A.B. X	OXA-51-like_QCP30880.1_A.b.	NIVAFSLNLEMKKGIP	SSVRKE I TYKSLEQLGIL
CXA-51-like_QCD22484.1_A.b.       CXA-51-like_QCD22730.1_A.b.       NIVAFSINLEMKKGIF_SVYKEITY_SLEQLGIL         CXA-51-like_QRN071816.1_A.b.       NIVAFSINLEMKKGIF_SVYKEITY_SLEQLGIL         CXA-51-like_QRN07142.1_A.b.       NIVAFSINLEMKKGIF_SVYKEITY_SLEQLGIL         CXA-51-like_AHB91645.1_A.b.       NIVAFSINLEMKKGIF_SVYKEITY_SLEQLGIL         CXA-51-like_QEY88347.1_A.b.       NIVAFSINLEMKKGIF_SVYKEITY_SLEQLGIL         CXA-51-like_ANC35117.1_A.b.       NIVAFSINLEMKKGIF_SVYKEITY_SLEQLGIL         CXA-51-like_ANC35117.1_A.b.       NIVAFSINLEMKKGIF_SVYKEITY_SLEQLGIL         CXA-51-like_ANC35117.1_A.b.       NIVAFSINLEMKKGIF_SVYKEITY_SLEQLGIL         CXA-51-like_AV855122.1_A.b.       NIVAFSINLEMKKGIF_SVYKEITY_SLEQLGIL         CXA-51-like_AV840472.1_A.b.       NIVAFSINLEMKKGIF_SVYKEITY_SLEQLGIL         CXA-51-like_AXX40472.1_A.b.       NIVAFSINLEMKKGIF_SVYKEITY_SLEQLGIL         CXA-51-like_OFF6935.1_A.b.       NIVAFSINLEMKKGIF_SVYKEITY_SLEQLGIL         CXA-51-like_OFF6935.1_A.b.       NIVAFSINLEMKKGIF_SVYKEITY_SLEQLGIL         CXA-51-like_AMT67359.1_A.b.       NIVAFSINLEMKKGIF_SVYKEITY_SLEQLGIL         CXA-51-like_AMT67359.1_A.b.       NIVAFSINLEMKKGIF_SVYKEITY_SLEQLGIL         CXA-51-like_AMT67359.1_A.b.       NIVAFSINLEMKKGIF_SVYKEITY_SLEQLGIL         CXA-51-like_AMT67359.1_A.b.       NIVAFSINLEMKKGIF_SVYKEITY_SLEQLGIL         CXA-51-like_QEX67168.1_A.b.       NIVAFSINLEMKKGIF_SVYKEITY_	OXA-51-like_QCO80718.1_A.b.	NIVAFSLNLEMKKGIP	SSVRKEITYKSLEQLGIL
OXA-51-like_QRN12730.1_A.b. OXA-51-like_QRN19142.1_A.b. OXA-51-like_QRN14361.1_A.b. OXA-51-like_QRN14361.1_A.b. OXA-51-like_QRN14361.1_A.b. OXA-51-like_DEP1645.1_A.b. OXA-51-like_DEP1609.1_A.b. OXA-51-like_DEP183437.1_A.b. OXA-51-like_DEP183437.1_A.b. OXA-51-like_DEP1845.1_A.b. OXA-51-like_		NIVAFSLNLEMKKGIP NIVAFSLNLEMKKGIP	SSVRKE <mark>ITYKSLEQLGIL</mark> SSVRKE <mark>ITYK</mark> SLEQLGIL
OXA-51-like_QRN0412.1_A.b. OXA-51-like_QRN14361.1_A.b. OXA-51-like_AHB91645.1_A.b. OXA-51-like_AHB91645.1_A.b. OXA-51-like_AHB91645.1_A.b. OXA-51-like_QE176099.1_A.b. OXA-51-like_QE176099.1_A.b. OXA-51-like_ANC35117.1_A.b. OXA-51-like_ANC35117.1_A.b. OXA-51-like_ANC35117.1_A.b. OXA-51-like_APJ19826.1_A.b. OXA-51-like_APJ19826.1_A.b. OXA-51-like_APJ19826.1_A.b. OXA-51-like_ANC92126.1_A.b. OXA-51-like_AXG84775.1_A.b. OXA-51-like_AXG84775.1_A.b. OXA-51-like_AXG84775.1_A.b. OXA-51-like_AXG84775.1_A.b. OXA-51-like_AXG84775.1_A.b. OXA-51-like_OPH45392.1_A.b. OXA-51-like_OPH45392.1_A.b. OXA-51-like_OPH45392.1_A.b. OXA-51-like_OPH45392.1_A.b. OXA-51-like_OPH45392.1_A.b. OXA-51-like_OPH45392.1_A.b. OXA-51-like_AXG84775.1_A.b. OXA-51-like_OPH45392.1_A.b. OXA-51-like_AXG84775.1_A.b. OXA-51-like_AXG84775.1_A.b. OXA-51-like_AXG84775.1_A.b. OXA-51-like_AXG84715.1_A.b. OXA-51-like_AXG84715.1_A.b. OXA-51-like_AXG84715.1_A.b. OXA-51-like_AXG84715.1_A.b. OXA-51-like_AXG84715.1_A.b. OXA-51-like_AXG84715.1_A.b. OXA-51-like_AXG84715.1_A.b. OXA-51-like_OEK67468.1_A.b. OXA-51-like_OEK67468.1_A.b. OXA-51-like_OEK74071.1_A.b. OXA-51-like_OEK74071.1_A.b. OXA-51-like_OEX71081.1_A.b. OXA-51-like_OEX71081.1_A.b. OXA-51-like_OXA7153.1_A.b. OXA-51	$OXA-51-like_QRN22730.1_A.b.$		
OXA-51-like_QET76099.1_A.b. OXA-51-like_QET88347.1_A.b. OXA-51-like_ANC35117.1_A.b. OXA-51-like_AP019826.1_A.b. OXA-51-like_AP019826.1_A.b. OXA-51-like_AV092126.1_A.b. OXA-51-like_OV092126.1_A.b. OXA-51-like_OV092121.1_A.b. OX	OXA-51-like_QRN09142.1_A.b.	NIVAFSLNLEMKKGIP	SSVRKE I TYKSLEQLGIL
OXA-51-like_QBY88347.1_A.b. OXA-51-like_ANC35117.1_A.b. OXA-51-like_ANC35117.1_A.b. OXA-51-like_APZ19826.1_A.b. OXA-51-like_AVS55122.1_A.b. OXA-51-like_AVG92126.1_A.b. OXA-51-like_AVG92126.1_A.b. OXA-51-like_AVG92126.1_A.b. OXA-51-like_AVG92126.1_A.b. OXA-51-like_AYR84775.1_A.b. OXA-51-like_AYR84944.1_A.b. OXA-51-like_QPH45392.1_A.b. OXA-51-like_QPH45392.1_A.b. OXA-51-like_QPH45392.1_A.b. OXA-51-like_QPH45392.1_A.b. OXA-51-like_AML74598.1_A.b. OXA-51-like_AML74598.1_A.b. OXA-51-like_AML67359.1_A.b. OXA-51-like_AML67359.1_A.b. OXA-51-like_AML67359.1_A.b. OXA-51-like_QRK67488.1_A.b. OXA-51-like_QEK67468.1_A.b. OXA-51-like_QEK67468.1_A.b. OXA-51-like_QEK77407.1_A.b. OXA-51-like_QEK77407.1_A.b. OXA-51-like_QEK71081.1_A.b. OXA-51-like_QEX671081.1_A.b. OXA-51-like_QEX671081.1_A.b. OXA-51-like_QEX671081.1_A.b. OXA-51-like_QPV27835.1_A.b. OXA-51-like_QPV24005.1_A.b.	OXA-51-like_AHB91645.1_A.b.	NIVAFSLNLEMKKGIP	SSVRKEITYKSLEQLGIL
OXA-51-like_AV092126.1_A.b. OXA-51-like_AV092126.1_A.b. OXA-51-like_AV092126.1_A.b. OXA-51-like_AV092126.1_A.b. OXA-51-like_AV384775.1_A.b. OXA-51-like_AX340472.1_A.b. OXA-51-like_AX340472.1_A.b. OXA-51-like_AY289494.1_A.b. OXA-51-like_QY694935.1_A.b. OXA-51-like_QF769235.1_A.b. OXA-51-like_QF769235.1_A.b. OXA-51-like_AM174598.1_A.b. OXA-51-like_AM174598.1_A.b. OXA-51-like_AM174598.1_A.b. OXA-51-like_AM174598.1_A.b. OXA-51-like_AM174598.1_A.b. OXA-51-like_AM174598.1_A.b. OXA-51-like_AM171041.1_A.b. OXA-51-like_AM171041.1_A.b. OXA-51-like_AM171041.1_A.b. OXA-51-like_QKK74898.1_A.b. OXA-51-like_QKX74898.1_A.b. OXA-51-like_QKX7498.1_A.b. OXA-51-like_QKY70271.1_A.b. OXA-51-like_QKY70271.1_A.b. OXA-51-like_QKY70271.1_A.b. OXA-51-like_QKY70271.1_A.b. OXA-51-like_QKY70271.1_A.b. OXA-51-like_QKY70271.1_A.b. OXA-51-like_QKY70271.1_A.b. OXA-51-like_QXX4753.1_A.b. OXA-51-like_XXKXETYX.LEXXEX.CEXXEX.CEXXEX.CEXXEX.CEXXEX.CEXXEX.CEXXEX.CEXXEX.CEXXEX.CEXXEX.CEXXEX.	OXA-51-like_QBY88347.1_A.b.	NIVAFSLNLEMKKGIP	SSVRKEITYKSLEQLGIL
OXA-51-like_AXG4775.1_A.b. OXA-51-like_AXG4775.1_A.b. OXA-51-like_AXX40472.1_A.b. OXA-51-like_AXY89494.1_A.b. OXA-51-like_QFH45392.1_A.b. OXA-51-like_QFH45392.1_A.b. OXA-51-like_QFF45392.1_A.b. OXA-51-like_QFF45392.1_A.b. OXA-51-like_QFF45392.1_A.b. OXA-51-like_QFF45392.1_A.b. OXA-51-like_QFF45392.1_A.b. OXA-51-like_AML74598.1_A.b. OXA-51-like_AMC474598.1_A.b. OXA-51-like_AMC474598.1_A.b. OXA-51-like_AMC474598.1_A.b. OXA-51-like_AMC474598.1_A.b. OXA-51-like_AMC474598.1_A.b. OXA-51-like_AMC474598.1_A.b. OXA-51-like_AMC47470.1_A.b. OXA-51-like_AMC47470.1_A.b. OXA-51-like_AMC474898.1_A.b. OXA-51-like_OKK74898.1_A.b. OXA-51-like_QFF4663.1_A.b. OXA-51-like_QEK74707.1_A.b. OXA-51-like_QEK74707.1_A.b. OXA-51-like_QEK74071.1_A.b. OXA-51-like_QEK74071.1_A.b. OXA-51-like_QEK71081.1_A.b. OXA-51-like_QS47153.1_A.b. OXA-51-like_QOX941535.1_A.b. OXA-51-like_QOX947153.1_A.b. OXA-51-like_QOX947153.1_A.b. OXA-51-like_QOX9485.1_A.b. OXA-51-like_QD03954.1_A.b. OXA-51-like_QD0394685.1_A.b. OXA-51-like_QD0396482.1_A.b. OXA-51-like_QD039	OXA-51-like_APJ19826.1_A.b.	NIVAFSLNLEMKKGIP	SSVRKE I TYKSLEQLGIL
OXA-51-like_AYX40472.1_A.b. OXA-51-like_AYX49494.1_A.b. OXA-51-like_QFH45392.1_A.b. OXA-51-like_QFH45392.1_A.b. OXA-51-like_QFY69235.1_A.b. OXA-51-like_QFY69235.1_A.b. OXA-51-like_QFY6781.1_A.b. OXA-51-like_QFY6781.1_A.b. OXA-51-like_AML74598.1_A.b. OXA-51-like_AML74598.1_A.b. OXA-51-like_AMC62964.1_A.b. OXA-51-like_AMC6359.1_A.b. OXA-51-like_AMC6359.1_A.b. OXA-51-like_AMC6359.1_A.b. OXA-51-like_AMC6359.1_A.b. OXA-51-like_AMC6359.1_A.b. OXA-51-like_AMC63873.1_A.b. OXA-51-like_QKF74071.1_A.b. OXA-51-like_QKF74071.1_A.b. OXA-51-like_QEK74071.1_A.b. OXA-51-like_QEK74071.1_A.b. OXA-51-like_QEK74071.1_A.b. OXA-51-like_QEK71081.1_A.b. OXA-51-like_QEK74071.1_A.b. OXA-51-like_QAS43533.1_A.b. OXA-51-like_QAS43533.1_A.b. OXA-51-like_QOS47153.1_A.b. OXA-51-like_QNV24005.1_A.b. OXA-51-like_QNV2605.1_A.b. OXA-51-like_QNV27835.1_A.b. OXA-51-lik		NIVAFSLNLEMKKGIP	SSVRKE I TYKSLEQLGIL
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OXA-51-like_QFY69235.1_A.b. OXA-51-like_ADF27678.1_A.b. OXA-51-like_ADF27678.1_A.b. OXA-51-like_AML74598.1_A.b. OXA-51-like_AML74598.1_A.b. OXA-51-like_AMC62964.1_A.b. OXA-51-like_APU8004.1_A.b. OXA-51-like_AFU8004.1_A.b. OXA-51-like_AML67359.1_A.b. OXA-51-like_AML67359.1_A.b. OXA-51-like_AML67359.1_A.b. OXA-51-like_AML63873.1_A.b. OXA-51-like_QK74088.1_A.b. OXA-51-like_QEK74071.1_A.b. OXA-51-like_QEK74071.1_A.b. OXA-51-like_QEK74081.1_A.b. OXA-51-like_QEK74081.1_A.b. OXA-51-like_QEK74081.1_A.b. OXA-51-like_QEX71081.1_A.b. OXA-51-like_QEX71081.1_A.b. OXA-51-like_QAS43533.1_A.b. OXA-51-like_QAS43533.1_A.b. OXA-51-like_QOS47153.1_A.b. OXA-51-like_QNV24005.1_A.b. OXA-51-like_QNV24005.1_A.b. OXA-51-like_QNV24005.1_A.b. OXA-51-like_QNV24005.1_A.b. OXA-51-like_QNV21835.1_A.b. OXA-51-like_QNV2185.1_A.b. OXA-51-like_QNV2185.1_A.b. OXA-51-like_QNV2185.1_A.b. OXA-51-like_QNV2185.1_A.b. OXA-51-like_QNV2185.1_A.b. OXA-51-like_QNV2185.1_A.b. OXA-51-like_QNV2185.1_A.b. OXA-51-like_QDP3954.1_A.b.	OXA-51-like_AYY89494.1_A.b.	NIVAFSLNLEMKKGIP	SSVRKEITYKSLEQLGIL
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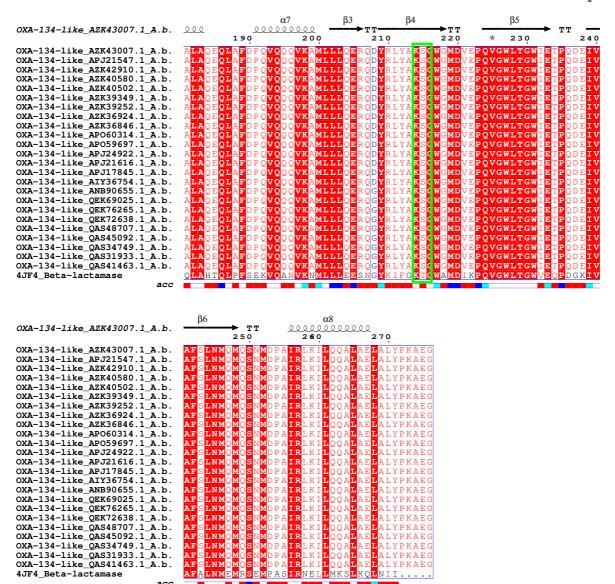
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## OXA-58-like subfamily

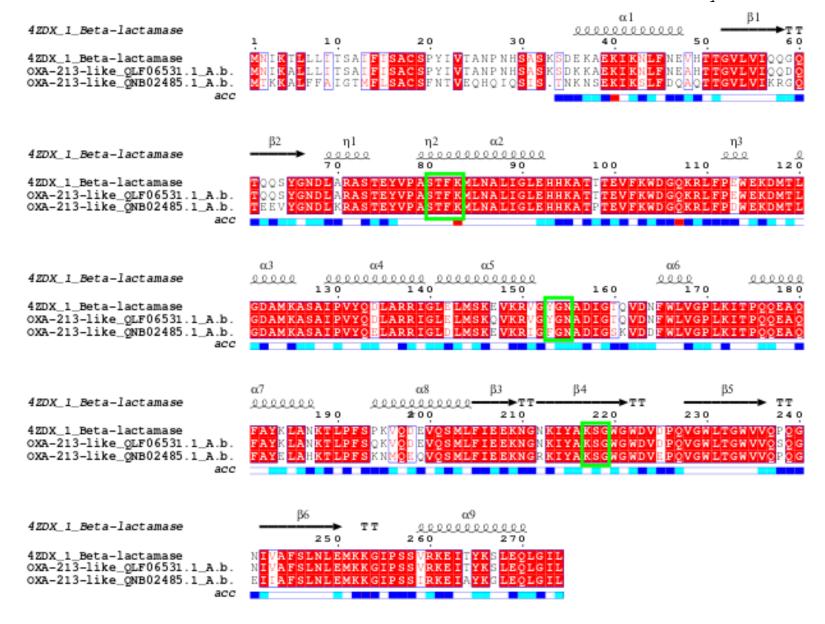


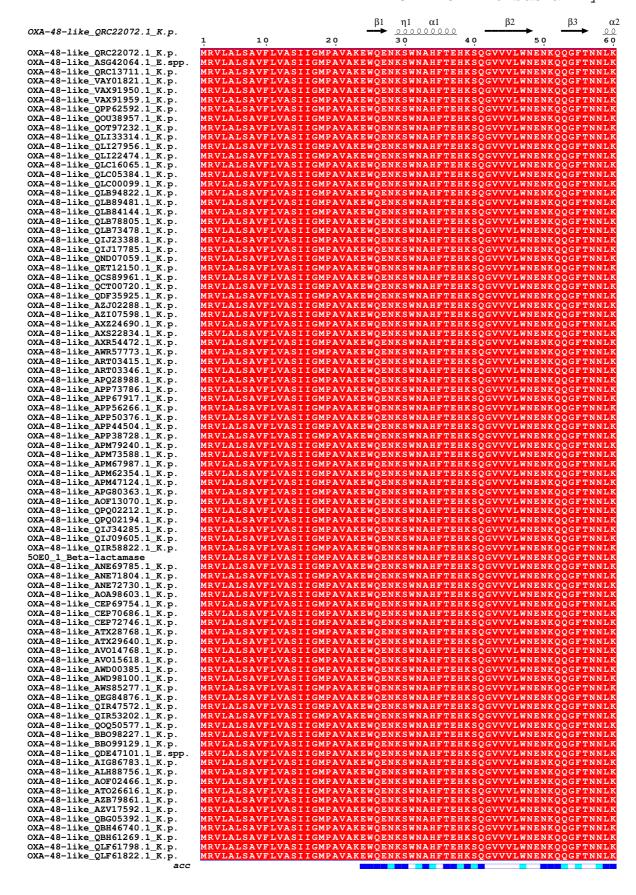
## OXA-134-like subfamily





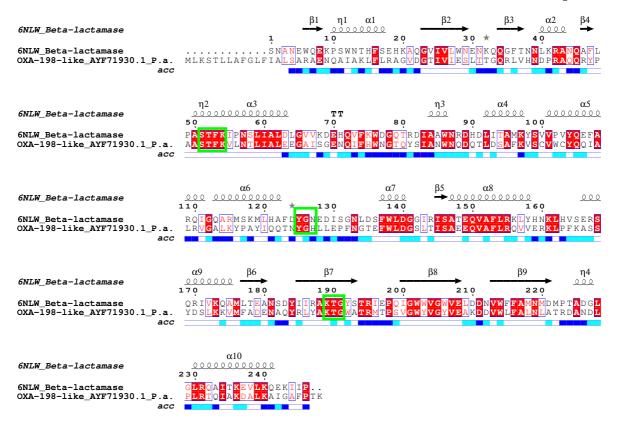
## OXA-213-like subfamily



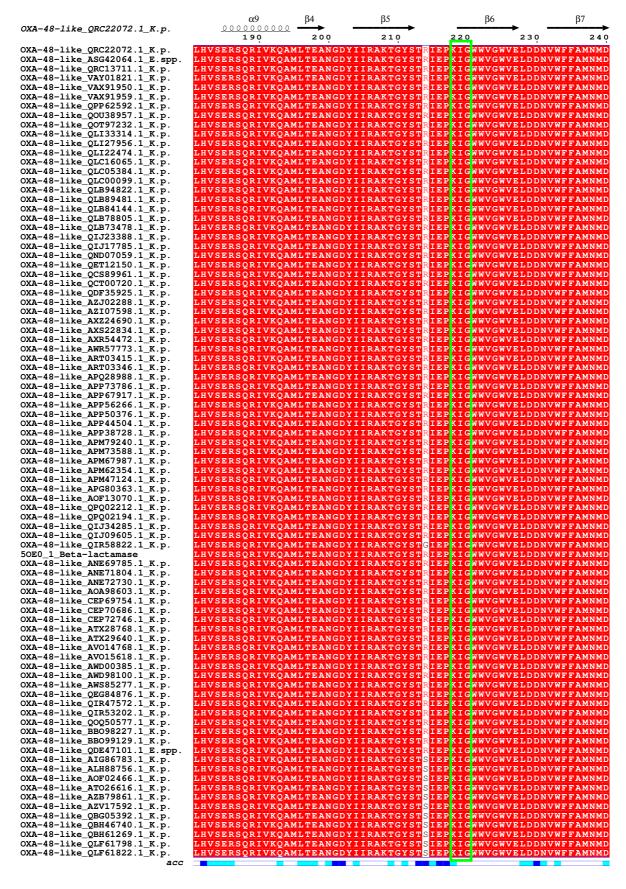


OXA-48-like_QRC22072.1_K.p.	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	TT	η3 222	α4 20222 2
OXA-48-like_QRC22072.1_K.p.	70 80 RANQAFLPASTFKIPNSLIALDLGVV	•	LOO T <mark>RDIA</mark> TWNI	110 120 RDHNLITAMKYSVV
OXA-48-like_ASG42064.1_E.spp. OXA-48-like_QRC13711.1_K.p.	RANQAFLPA <mark>STFK</mark> IPNSLIALDLGVV RANQAFLPASTFKIPNSLIALDLGVV	KDEHQVFKWDG	TRDIATWNI)	RDH <mark>NLITAMKYSVV</mark>
OXA-48-like_VAY01821.1_K.p.	RANQAFLPA <mark>STFK</mark> IPNSLIALDLGVV	KDEHQVFKWDG	TRDIATWNI	RDH <mark>NLITAMKYSVV</mark>
OXA-48-like_VAX91950.1_K.p. OXA-48-like_VAX91959.1_K.p.	RANQAFLPA <mark>STFK</mark> IPNSLIALDLGVV RANQAFLPA <mark>STFK</mark> IPNSLIALDLGVV			
OXA-48-like_QPP62592.1_K.p. OXA-48-like_QOU38957.1_K.p.	RANQAFLPASTFKIPNSLIALDLGVV RANQAFLPASTFKIPNSLIALDLGVV			
OXA-48-like_QOT97232.1_K.p.	RANQAFLPA <mark>STFK</mark> IPNSLIALDLGVV	KDEHQVFKWDG	TRDIATWNI	RDH <mark>NLITAMKYSVV</mark>
OXA-48-like_QLI33314.1_K.p. OXA-48-like_QLI27956.1_K.p.	RANQAFLPASTFKIPNSLIALDLGVV RANQAFLPA <mark>STFK</mark> IPNSLIALDLGVV	KDEHQVFKWDG	TRDIATWNI	RDHNLITAMKYSVV
OXA-48-like_QLI22474.1_K.p. OXA-48-like_QLC16065.1_K.p.	RANQAFLPASTFK <mark>IPNSLIALDLGVV</mark> RANQAFLPASTFK <mark>IPNSLIALDLGV</mark> V			
$OXA-48-like\_QLC05384.1\_K.p.$	RANQAFLPASTFKIPNSLIALDLGVV RANQAFLPASTFKIPNSLIALDLGVV	KDEHQVFKWDG	TRDIATWNI	RDH <mark>NLITAMKYSVV</mark>
OXA-48-like_QLC00099.1_K.p. OXA-48-like_QLB94822.1_K.p.	RANQAFLPA <mark>STFK</mark> IPNSLIALDLGVV	KDEHQVFKWDG	TRDIATWNI	RDH <mark>NLITAMKYSVV</mark>
OXA-48-like_QLB89481.1_K.p. OXA-48-like_QLB84144.1_K.p.	RANQAFLPA <mark>STFK</mark> IPNSLIALDLGVV RANQAFLPA <mark>STFK</mark> IPNSLIALDLGVV			
OXA-48-like_QLB78805.1_K.p. OXA-48-like_QLB73478.1_K.p.	RANQAFLPASTFKIPNSLIALDLGVV RANQAFLPASTFKIPNSLIALDLGVV	KDEHQVFKWDG	TRDIATWNI	RDHNLITAMKYSVV
OXA-48-like_QIJ23388.1_K.p.	RANQAFLPA <mark>STFK</mark> IPNSLIALDLGVV	KDEHQVFKWDG	T <mark>RDIA</mark> T <mark>WN</mark> I	RDH <mark>NLITAMKYSVV</mark>
OXA-48-like_QIJ17785.1_K.p. OXA-48-like_QND07059.1_K.p.	RANQAFLPA <mark>STFK</mark> IPNSLIALDLGVV RANQAFLPA <mark>STFK</mark> IPNSLIALDLGVV			
OXA-48-like_QET12150.1_K.p. OXA-48-like_QCS89961.1_K.p.	RANQAFLPASTFK <mark>IPNSLIALDLGVV</mark> RANOAFLPASTFKIPNSLIALDLGVV	KDEHQVFKWDG	TRDIATWNI	RDH <mark>NLITAMKYSVV</mark>
OXA-48-like_QCT00720.1_K.p.	RANÕAFLPA <mark>STFK</mark> IPNSLIALDLGVV	KDEHQVFKWDG	TRDIATWNI	RDH <mark>NLITAMKYSVV</mark>
OXA-48-like_QDF35925.1_K.p. OXA-48-like_AZJ02288.1_K.p.	RANQAFLPASTFKIPNSLIALDLGVV RANQAFLPASTFKIPNSLIALDLGVV			
OXA-48-like_AZI07598.1_K.p. OXA-48-like_AXZ24690.1_K.p.	RANQAFLPA <mark>STFKI</mark> PNSLIALDLGVV RANQAFLPA <mark>STFKI</mark> PNSLIALDLGVV			
OXA-48-like_AXS22834.1_K.p.	RANQAFLPASTFKIPNSLIALDLGVV	KDEHQVFKWDG	TRDIATWNI)	RDHNLITAMKYSVV
OXA-48-like_AXR54472.1_K.p. OXA-48-like_AWR57773.1_K.p.	RANQAFLPA <mark>STFKIPNSLIA</mark> LDLGVV RANQAFLPA <mark>STFK</mark> IPNSLIALDLGVV			
OXA-48-like_ART03415.1_K.p. OXA-48-like_ART03346.1_K.p.	RANQAFLPA <mark>STFKIPNSLIA</mark> LDLGVV RANQAFLPA <mark>STFKI</mark> PNSLIALDLGVV			
OXA-48-like_APQ28988.1_K.p.	RANQAFLPA <mark>STFK</mark> IPNSLIALDLGVV	KDEHQVFKWDG	QT <mark>RDIA</mark> T <mark>WN</mark> I	RDH <mark>NLITAMKYSVV</mark>
OXA-48-like_APP73786.1_K.p. OXA-48-like_APP67917.1_K.p.	RANQAFLPA <mark>STFKIPNSLIAL</mark> DLGVV RANQAFLPA <mark>STFK</mark> IPNSLIALDLGVV			
OXA-48-like_APP56266.1_K.p. OXA-48-like_APP50376.1_K.p.	RANQAFLPASTFK <mark>IPNSLIALDLGVV</mark> RANQAFLPASTFKIPNSLIALDLGVV			
OXA-48-like_APP44504.1_K.p.	RANQAFLPA <mark>STFK</mark> IPNSLIALDLGVV	KDEHQVFKWDG	TRDIATWNI	RDH <mark>NLITAMKYSVV</mark>
OXA-48-like_APP38728.1_K.p. OXA-48-like_APM79240.1_K.p.	RANQAFLPA <mark>STFK</mark> IPNSLIALDLGVV RANQAFLPA <mark>STFK</mark> IPNSLIALDLGVV			
OXA-48-like_APM73588.1_K.p. OXA-48-like_APM67987.1_K.p.	RANQAFLPASTFK <mark>IPNSLIALDLGVV</mark> RANQAFLPASTFK <mark>IPNSLIALDLGV</mark> V			
OXA-48-like_APM62354.1_K.p.	RANQAFLPASTFKIPNSLIALDLGVV	KDEHQVFKWDG	TRDIATWNI	RDHNLITAMKYSVV
OXA-48-like_APM47124.1_K.p. OXA-48-like_APG80363.1_K.p.	RANQAFLPA <mark>STFKIPNSLIA</mark> LDLGVV RANQAFLPA <mark>STFK</mark> IPNSLIALDLGVV			
OXA-48-like_AOF13070.1_K.p. OXA-48-like_QPQ02212.1_K.p.	RANQAFLPASTFKIPNSLIALDLGVV RANQAFLPASTFKIPNSLIALDLGVV			
OXA-48-like_OPQ02194.1_K.p. OXA-48-like_QIJ34285.1_K.p.	RANQAFLPASTFKIPNSLIALDLGVV RANQAFLPASTFKIPNSLIALDLGVV	KDEHQVFKWDG	T <mark>RDIA</mark> T <mark>WN</mark> I	RDH <mark>NLITAMKYSVV</mark>
$OXA-48-like_QIJ09605.1_K.p.$	RANQAFLPA <mark>STFK</mark> IPNSLIALDLGVV	KDEHQVFKWDG	T <mark>RDIA</mark> T <mark>WN</mark> I	RDH <mark>NLITAMKYSVV</mark>
OXA-48-like_QIR58822.1_K.p. 50E0_1_Beta-lactamase	RANQAFLPASTFKIPNSLIALDLGVV RANQAFLPASTFKIPNSLIALDLGVV			
OXA-48-like_ANE69785.1_K.p. OXA-48-like_ANE71804.1_K.p.	RANQAFLPASTFKIPNSLIALDLGVV RANQAFLPASTFKIPNSLIALDLGVV			RDHDLITAMKYSVV
OXA-48-like_ANE72730.1_K.p.	RANQAFLPA <mark>STFK</mark> IPNSLIALDLGVV	KDEHQVFKWDG	TRDIAAWNI	RDHDLITAMKYSVV
OXA-48-like_AOA98603.1_K.p. OXA-48-like_CEP69754.1_K.p.	RANQAFLPA <mark>STFK</mark> IPNSLIALDLGVV RANQAFLPA <mark>STFK</mark> IPNSLIALDLGVV			
OXA-48-like_CEP70686.1_K.p. OXA-48-like_CEP72746.1_K.p.	RANQAFLPA <mark>STFKIPNSLIA</mark> LDLGVV RANQAFLPA <mark>STFKI</mark> PNSLIALDLGVV			
OXA-48-like_ATX28768.1_K.p.	RANQAFLPASTFKIPNSLIALDLGVV RANOAFLPASTFKIPNSLIALDLGVV	KDEHQVFKWDG	TRDIAAWNI	RDHDLITAMKYSVV
OXA-48-like_ATX29640.1_K.p. OXA-48-like_AVO14768.1_K.p.	RANQAFLPA <mark>STFK</mark> IPNSLIALDLGVV	KDEHQVFKWDG	TRDIAAWNI	RDHDLITAMKYSVV
OXA-48-like_AVO15618.1_K.p. OXA-48-like AWD00385.1 K.p.	RANQAFLPASTFKIPNSLIALDLGVV RANQAFLPASTFKIPNSLIALDLGVV			
OXA-48-like_AWD98100.1_K.p.	RANQAFLPASTFKIPNSLIALDLGVV RANQAFLPASTFKIPNSLIALDLGVV	KDEHQVFKWDG	TRDIAAWNI	RDHDLITAMKYSVV
OXA-48-like_AWS85277.1_K.p. OXA-48-like_QEG84876.1_K.p.	RANQAFLPA <mark>STFK</mark> IPNSLIALDLGVV	KDEHQVFKWDG	TRDIAAWNI	RDHDLITAMKYSVV
OXA-48-like_QIR47572.1_K.p. OXA-48-like_QIR53202.1_K.p.	RANQAFLPASTFKIPNSLIALDLGVV RANQAFLPASTFKIPNSLIALDLGVV			
OXA-48-like_QOQ50577.1_K.p. OXA-48-like_BBO98227.1_K.p.	RANQAFLPASTFKIPNSLIALDLGVV RANQAFLPASTFKIPNSLIALDLGVV	KDEHQVFKWDG	TRDIAAWNI	RDHDLITAMKYSVV
OXA-48-like_BBO99129.1_K.p.	RANQAFLPASTFKIPNSLIALDLGVV	KDEHQVFKWDG	TRDIAAWNI	RDHDLITAMKYSVV
OXA-48-like_QDE47101.1_E.spp. OXA-48-like_AIG86783.1_K.p.	RANQAFLPA <mark>STFK</mark> IPNSLIALDLGVV RANQAFLPA <mark>STFK</mark> IPNSLIALDLGVV			
OXA-48-like_ALH88756.1_K.p. OXA-48-like_AOF02466.1_K.p.	RANQAFLPASTFKIPNSLIALDLGVV RANQAFLPASTFKIPNSLIALDLGVV	KDEHQVFKWDG	TRDIAAWNI	RDHDLITAMKYSVV
OXA-48-like_ATO26616.1_K.p.	RANQAFLPASTFKIPNSLIALDLGVV	KDEHQVFKWDG	TRDIAAWNI	RDHDLITAMKYSVV
OXA-48-like_AZB79861.1_K.p. OXA-48-like_AZV17592.1_K.p.	RANQAFLPA <mark>STFKIPNSLIA</mark> LDLGVV RANQAFLPA <mark>STFK</mark> IPNSLIALDLGVV	KDEHQVFKWDG	TRDIAAWNI	RDHDLITAMKYSVV
OXA-48-like_QBG05392.1_K.p. OXA-48-like_QBH46740.1_K.p.	RANQAFLPASTFKIPNSLIALDLGVV RANQAFLPASTFKIPNSLIALDLGVV			
OXA-48-like_QBH61269.1_K.p.	RANQAFLPASTFKIPNSLIALDLGVV	KDEHQVFKWDG	TRDIAAWNI	RDHDLITAMKYSVV
OXA-48-like_QLF61798.1_K.p. OXA-48-like_QLF61822.1_K.p.	RANQAFLPA <mark>STFK</mark> IPNSLIALDLGVV RANQAFLPA <mark>STFK</mark> IPNSLIALDLGVV	KDEHQVFKWDG	TRDIAAWNI	RDHDLITAMKYSVV
acc				

## OXA-198-like subfamily



OXA-48-like_QRC22072.1_K.p.	α5 000000000 000000000 130 140	α7 <u>0000</u> 150 160	α8 00000000000 <b>170</b> 180
OXA-48-like_QRC22072.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN		<u> </u>
OXA-48-like_ASG42064.1_E.spp. OXA-48-like_QRC13711.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN PVYQEFARQIGEARMSKMLHAFDYGN		
OXA-48-like_VAY01821.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN		
OXA-48-like_VAX91950.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN		
OXA-48-like_VAX91959.1_K.p. OXA-48-like_QPP62592.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN PVYQEFARQIGEARMSKMLHAFDYGN		
OXA-48-like_QOU38957.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN		
OXA-48-like_QOT97232.1_K.p. OXA-48-like_QLI33314.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN PVYQEFARQIGEARMSKMLHAFDYGN		
$OXA-48-like_QLI27956.1_K.p.$	PVYQEFARQIGEARMSKMLHAFDYGN		
OXA-48-like_QLI22474.1_K.p. OXA-48-like_QLC16065.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN PVYQEFARQIGEARMSKMLHAFDYGN		
OXA-48-like_QLC05384.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN		
OXA-48-like_QLC00099.1_K.p. OXA-48-like_QLB94822.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN PVYQEFARQIGEARMSKMLHAFDYGN		
OXA-48-like_QLB89481.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN	EDISGN VDSFWLDGGIR	ISATEQISFLRKLYHNK
OXA-48-like_QLB84144.1_K.p. OXA-48-like_QLB78805.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN PVYQEFARQIGEARMSKMLHAFDYGN		
$OXA-48-like\_QLB73478.1\_K.p.$	PVYQEFARQIGEARMSKMLHAFDYGN	EDI <mark>SGN</mark> VDSFWLDGGIR	ISATEQISFLRKLYHNK
OXA-48-like_QIJ23388.1_K.p. OXA-48-like_QIJ17785.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN PVYQEFARQIGEARMSKMLHAFDYGN		
OXA-48-like_QND07059.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN	EDISGN VDSF WLDGGIR	ISATEQISFLRKLYHNK
OXA-48-like_QET12150.1_K.p. OXA-48-like_QCS89961.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN PVYQEFARQIGEARMSKMLHAFDYGN		
OXA-48-like_QCT00720.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN	EDI <mark>SGN</mark> VDSFWLDGGIR	ISATEQISFLRKLYHNK
OXA-48-like_QDF35925.1_K.p. OXA-48-like_AZJ02288.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN PVYQEFARQIGEARMSKMLHAFDYGN		
OXA-48-like_AZI07598.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN	EDI <mark>SGN</mark> VDSFWLDGGIR	I SAT <mark>E Q I S</mark> F L R K L Y H N K
OXA-48-like_AXZ24690.1_K.p. OXA-48-like_AXS22834.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN PVYQEFARQIGEARMSKMLHAFDYGN		
OXA-48-like_AXR54472.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN		
OXA-48-like_AWR57773.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN PVYQEFARQIGEARMSKMLHAFDYGN		
OXA-48-like_ART03415.1_K.p. OXA-48-like_ART03346.1_K.p.	PVIQEFARQIGEARMSKMLHAFDIGN PVYQEFARQIGEARMSKMLHAFDYGN		
OXA-48-like_APQ28988.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN		
OXA-48-like_APP73786.1_K.p. OXA-48-like_APP67917.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN PVYQEFARQIGEARMSKMLHAFDYGN		
OXA-48-like_APP56266.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN	EDI <mark>SGN</mark> VDSFWLDGGIR	ISATEQISFLRKLYHNK
OXA-48-like_APP50376.1_K.p. OXA-48-like_APP44504.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN PVYQEFARQIGEARMSKMLHAFDYGN		
OXA-48-like_APP38728.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN	EDI <mark>SGN</mark> VDSFWLDGGIR	ISATEQISFLRKLYHNK
OXA-48-like_APM79240.1_K.p. OXA-48-like_APM73588.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN PVYQEFARQIGEARMSKMLHAFDYGN		
OXA-48-like_APM67987.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN	EDI <mark>SGN</mark> VDSFWLDGGIR	ISATEQISFLRKLYHNK
OXA-48-like_APM62354.1_K.p. OXA-48-like_APM47124.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN PVYQEFARQIGEARMSKMLHAFDYGN		
OXA-48-like_APG80363.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN	EDI <mark>SGN</mark> VDSFWLDGGIR	ISATEQISFLRKLYHNK
OXA-48-like_AOF13070.1_K.p. OXA-48-like_QPQ02212.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN PVYQEFARQIGEARMSKMLHAFDYGN		
$OXA-48-like\_QPQ02194.1_K.p.$	PVYQEFARQIGEARMSKMLHAFDYGN	EDI <mark>SGN</mark> VDSFWLDGGIR	ISATEQISFLRKLYHNK
OXA-48-like_QIJ34285.1_K.p. OXA-48-like_QIJ09605.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN PVYQEFARQIGEARMSKMLHAFDYGN		
OXA-48-like_QIR58822.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN	EDI <mark>SGN</mark> VDSFWLDGGIR	ISATEQISFLRKLYHNK
50E0_1_Beta-lactamase OXA-48-like_ANE69785.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN PVYQEFARQIGEARMSKMLHAFDYGN		
OXA-48-like_ANE71804.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN	EDI <mark>SGN</mark> VDSFWLDGGIR	ISAT <mark>Q</mark> QI <mark>A</mark> FLRKLYHNK
OXA-48-like_ANE72730.1_K.p. OXA-48-like_AOA98603.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN PVYQEFARQIGEARMSKMLHAFDYGN		
OXA-48-like_CEP69754.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN	EDI <mark>SGN</mark> VDSFWLDGGIR	ISAT <mark>QQI</mark> AFLRKLYHNK
OXA-48-like_CEP70686.1_K.p. OXA-48-like_CEP72746.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN PVYQEFARQIGEARMSKMLHAFDYGN		
OXA-48-like_ATX28768.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN	EDISGN VDSFWLDGGIR	ISATQQIAFLRKLYHNK
OXA-48-like_ATX29640.1_K.p. OXA-48-like_AVO14768.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN PVYQEFARQIGEARMSKMLHAFDYGN		
OXA-48-like_AVO15618.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN	EDISGN VDSF WLDGGIR	ISAT <mark>QQI</mark> AFLRKLYHNK
OXA-48-like_AWD00385.1_K.p. OXA-48-like_AWD98100.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN PVYQEFARQIGEARMSKMLHAFDYGN		
OXA-48-like_AWS85277.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN	EDISGN VDSFWLDGGIR	ISATQQIAFLRKLYHNK
OXA-48-like_QEG84876.1_K.p. OXA-48-like QIR47572.1 K.p.	PVYQEFARQIGEARMSKMLHAFDYGN PVYQEFARQIGEARMSKMLHAFDYGN		
OXA-48-like_QIR53202.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN	EDISGN VDSF WLDGGIR	ISATQQIAFLRKLYHNK
OXA-48-like_QOQ50577.1_K.p. OXA-48-like_BBO98227.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN PVYQEFARQIGEARMSKMLHAFDYGN		
OXA-48-like_BBO99129.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN	EDISGN VDSFWLDGGIR	ISATQQIAFLRKLYHNK
OXA-48-like_QDE47101.1_E.spp. OXA-48-like_AIG86783.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN PVYQEFARQIGEARMSKMLHAFDYGN		
OXA-48-11ke_A1G86783.1_K.p. OXA-48-like_ALH88756.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN	EDISGN VDSF WLDGGIR	ISATQQIAFLRKLYHNK
OXA-48-like_AOF02466.1_K.p. OXA-48-like_ATO26616.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN PVYQEFARQIGEARMSKMLHAFDYGN	EDISGN VDSF WLDGGIR	ISATQQIAFLRKLYHNK
OXA-48-like_AZB79861.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN	EDISGN VDSF WLDGGIR	ISATQQIAFLRKLYHNK
OXA-48-like_AZV17592.1_K.p. OXA-48-like_OBG05392.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN PVYQEFARQIGEARMSKMLHAFDYGN	EDISGN VDSF WLDGGIR	ISATQQIAFLRKLYHNK
OXA-48-like_QBH46740.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN	EDISGN VDSF WLDGGIR	ISATQQIAFLRKLYHNK
OXA-48-like_QBH61269.1_K.p. OXA-48-like_QLF61798.1_K.p.	PVYQEFARQIGEARMSKMLHAFDYGN PVYQEFARQIGEARMSKMLHAFDYGN	EDISGN VDSFWLDGGIR	ISATQQIAFLRKLYHNK
OXA-48-like_QLF61798.1_K.p. OXA-48-like_QLF61822.1_K.p.	PVIQEFARQIGEARMSKMLHAFDIGN PVYQEFARQIGEARMSKMLHAFDYGN		
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200 200
250
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                                                                                                                                          ووووققوووو
 OXA-48-like_QRC22072.1_K.p.
                                                                                                        MPTSDGLGLRQAITKEVLKQEKIIE
MPTSDGLGLRQAITKEVLKQEKIIE
MPTSDGLGLRQAITKEVLKQEKIIE
MPTSDGLGLRQAITKEVLKQEKIIE
 {\tt OXA-48-like\_QRC22072.1\_K.p.}
 OXA-48-like_ASG42064.1_E.spp.
OXA-48-like_QRC13711.1_K.p.
OXA-48-like_VAY01821.1_K.p.
OXA-48-like_VAX91950.1_K.p.

OXA-48-like_VAX91959.1_K.p.

OXA-48-like_QPP62592.1_K.p.

OXA-48-like_QOU38957.1_K.p.
OXA-48-like_QOT97232.1_K.p.
OXA-48-like_QLI33314.1_K.p.
OXA-48-like_QLI27956.1_K.p.

OXA-48-like_QLI22474.1_K.p.

OXA-48-like_QLC16065.1_K.p.

OXA-48-like_QLC05384.1_K.p.
OXA-48-like_QLC00099.1_K.p.
OXA-48-like_QLB94822.1_K.p.
OXA-48-like_QLB89481.1_K.p.
OXA-48-like_QLB84144.1_K.p.
                                                                                                        MPTSDGLGLRQAITKEVLKQEKI
MPTSDGLGLRQAITKEVLKQEKI
MPTSDGLGLRQAITKEVLKQEKI
MPTSDGLGLRQAITKEVLKQEKI
MPTSDGLGLRQAITKEVLKQEKI
OXA-48-like_QLB78805.1_K.p.
OXA-48-like_QLB73478.1_K.p.
OXA-48-like_QLB/34/8.1_K.p.

OXA-48-like_QIJ23388.1_K.p.

OXA-48-like_QIJ17785.1_K.p.

OXA-48-like_QND07059.1_K.p.

OXA-48-like_QET12150.1_K.p.
                                                                                                        MPTSDGLGLRQAITKEVLKQEKIIP
MPTSDGLGLRQAITKEVLKQEKIIP
MPTSDGLGLRQAITKEVLKQEKIIP
MPTSDGLGLRQAITKEVLKQEKIIP
MPTSDGLGLRQAITKEVLKQEKIIP
MPTSDGLGLRQAITKEVLKQEKIIP
MPTSDGLGLRQAITKEVLKQEKIIP
OXA-48-like_QCS89961.1_K.p.
OXA-48-like_QCT00720.1_K.p.
                                                                                                        MPTSDGLGLRQAITKEVLKQEKIIP
MPTSDGLGLRQAITKEVLKQEKIIP
MPTSDGLGLRQAITKEVLKQEKIIP
MPTSDGLGLRQAITKEVLKQEKIIP
MPTSDGLGLRQAITKEVLKQEKIIP
MPTSDGLGLRQAITKEVLKQEKIIP
OXA-48-like_QDF35925.1_K.p.
OXA-48-like_AZJ02288.1_K.p.
OXA-48-like_AZI07598.1_K.p.
OXA-48-like_AXZ24690.1_K.p.
OXA-48-like_AXS22834.1_K.p.
OXA-48-like_AXR54472.1_K.p.
                                                                                                        MPTSDGLGLRQAITKEVLKQEKIIP
MPTSDGLGLRQAITKEVLKQEKIIP
MPTSDGLGLRQAITKEVLKQEKIIP
MPTSDGLGLRQAITKEVLKQEKIIP
MPTSDGLGLRQAITKEVLKQEKIIP
MPTSDGLGLRQAITKEVLKQEKIIP
OXA-48-like_AWR57773.1_K.p.
OXA-48-like_ART03415.1_K.p.
OXA-48-like_ART03346.1_K.p.
OXA-48-like_APQ28988.1_K.p.
OXA-48-like_APP73786.1_K.p.
OXA-48-like_APP67917.1_K.p.
                                                                                                        MPTSDGLGLRQAITKEVLKQEKIIP

MPTSDGLGLRQAITKEVLKQEKIIP

MPTSDGLGLRQAITKEVLKQEKIIP

MPTSDGLGLRQAITKEVLKQEKIIP

MPTSDGLGLRQAITKEVLKQEKIIP

MPTSDGLGLRQAITKEVLKQEKIIP

MPTSDGLGLRQAITKEVLKQEKIIP
OXA-48-like_APP56266.1_K.p.
OXA-48-like_APP50376.1_K.p.
OXA-48-like_APP44504.1_K.p.

OXA-48-like_APP38728.1_K.p.

OXA-48-like_APM79240.1_K.p.

OXA-48-like_APM73588.1_K.p.
                                                                                                        MPTSDGLGLRQAITKEVLKQEKIIP
MPTSDGLGLRQAITKEVLKQEKIIP
MPTSDGLGLRQAITKEVLKQEKIIP
MPTSDGLGLRQAITKEVLKQEKIIP
MPTSDGLGLRQAITKEVLKQEKIIP
MPTSDGLGLRQAITKEVLKQEKIIP
OXA-48-like_APM67987.1_K.p.
OXA-48-like_APM62354.1_K.p.
OXA-48-like_APM47124.1_K.p.
OXA-48-like_APG80363.1_K.p.
OXA-48-like_AOF13070.1_K.p.
OXA-48-like_QPQ02212.1_K.p.
                                                                                                        MPTSDGLGLRQAITKEVLKQEKIIF
MPTSDGLGLRQAITKEVLKQEKIIF
MPTSDGLGLRQAITKEVLKQEKIIF
MPTSDGLGLRQAITKEVLKQEKIIF
MPTSDGLGLRQAITKEVLKQEKIIF
OXA-48-like_QPQ02194.1_K.p.

OXA-48-like_QPQ02194.1_K.p.

OXA-48-like_QIJ34285.1_K.p.

OXA-48-like_QIJ09605.1_K.p.

OXA-48-like_QIR58822.1_K.p.
                                                                                                       MPTSDGLGLRQAITKEVLKQEKIIP
50E0_1_Beta-lactamase
OXA-48-like_ANE69785.1_K.p.
OXA-48-like_ANE71804.1_K.p.

OXA-48-like_ANE72730.1_K.p.

OXA-48-like_AOA98603.1_K.p.
OXA-48-like_CEP69754 1_K.p.
OXA-48-like_CEP70686.1_K.p.
OXA-48-like_CEP72746.1_K.p.
OXA-48-like_ATX28768.1_K.p.

OXA-48-like_ATX29640.1_K.p.

OXA-48-like_AVO14768.1_K.p.
OXA-48-like_AVO15618.1_K.p.

OXA-48-like_AWD00385.1_K.p.

OXA-48-like_AWD098100.1_K.p.
                                                                                                        MPTSDGLGLRQAITKEVLKQEKIIP

MPTSDGLGLRQAITKEVLKQEKIIP
OXA-48-like_AWS85277.1_K.p.
OXA-48-like_QEG84876.1_K.p.
 OXA-48-like_QIR47572.1_K.p.
OXA-48-like_QIR53202.1_K.p.

OXA-48-like_QOQ50577.1_K.p.

OXA-48-like_BBO98227.1_K.p.
OXA-48-like_BBO99129.1_K.p.

OXA-48-like_QDE47101.1_E.spp.

OXA-48-like_AIG86783.1_K.p.
OXA-48-like_ALH88756.1_K.p.
OXA-48-like_ACF02466.1_K.p.
OXA-48-like_ATO26616.1_K.p.
OXA-48-like_AZB79861.1_K.p.
 OXA-48-like_AZV17592.1_K.p.
OXA-48-like_QBG05392.1_K.p.
OXA-48-like_QBH46740.1_K.p.
OXA-48-like_QBH61269.1_K.p.
OXA-48-like_QLF61798.1_K.p.
OXA-48-like_QLF61822.1_K.p.
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