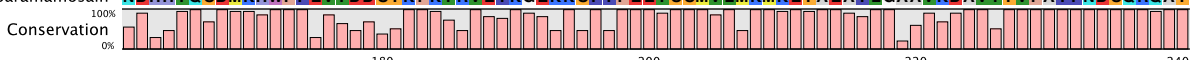


contig02253 MA--KAPAVGDLGTTYSCVGFQHGKVEIANDQGNRTTPSYVAFDTSERLIGDSAANKQVAMNPNTVFDKRLIGRKF 78
contig06573 -----AAKNQVAMNPSNTVFDKRLIGRKY 25
Balanus amphitrite MA--KAPAVGDLGTTYSCVGFQHGKVEIANDQGNRTTPSYVAFDTSERLIGDSAANKQVAMNPSNTVFDKRLIGRKY 78
Artemia sanfranciscana MA--KAPAVGDLGTTYSCVGFQHGKVEIANDQGNRTTPSYVAFDTSERLIGDSAANKQVAMNPSNTVFDKRLIGRKY 78
Moina macropoda MA--KAPAVGDLGTTYSCVGFQHGKVEIANDQGNRTTPSYVAFDTSERLIGDSAANKQVAMNPSNTVFDKRLIGRKY 79
Daphnia magna MA--KAPAVGDLGTTYSCVGFQHGKVEIANDQGNRTTPSYVAFDTSERLIGDSAANKQVAMNPSNTVFDKRLIGRKY 79
Tigriopus japonicus MA--KAA-VGLGTTYSCVGFQHGKVEIANDQGNRTTPSYVAFDTSERLIGDSAANKQVAMNPSNTVFDKRLIGRKY 76
Pachygrapsus marmoratus MS--KGAAVGDLGTTYSCVGFQHGKVEIANDQGNRTTPSYVAFDTSERLIGDSAANKQVAMNPSNTVFDKRLIGRKY 78
Homarus americanus MA--KTTAVGDLGTTYSCVGFQHGKVEIANDQGNRTTPSYVAFDTSERLIGDSAANKQVAMNPSNTVFDKRLIGRKY 78
Penaeus monodon MA--KAPAVGDLGTTYSCVGFQHGKVEIANDQGNRTTPSYVAFDTSERLIGDSAANKQVAMNPSNTVFDKRLIGRKY 78
Metapenaeus ensis MS--KASAVGDLGTTYSCVGFQHGKVEIANDQGNRTTPSYVAFDTSERLIGDSAANKQVAMNPSNTVFDKRLIGRKY 78
Litopenaeus vannamei MA--KAPAVGDLGTTYSCVGFQHGKVEIANDQGNRTTPSYVAFDTSERLIGDSAANKQVAMNPSNTVFDKRLIGRKY 78
Rimicaris exoculata-3 MA--KTTAVGDLGTTYSCVGFQHGKVEIANDQGNRTTPSYVAFDTSERLIGDSAANKQVAMNPSNTVFDKRLIGRKY 78
Rimicaris exoculata-2 -----YVAFDTSERLIGDSAANKQAAINPANTVFDKRLIGRKY 38
Rimicaris exoculata-1 -----AFDTSERLIGDSAANKQAAAMPANTVFDKRLIGRKY 36
Palaeomonetes varians -----YVAFDTSERLIGDSAANKQVAMNPSNTVFDKRLIGRKY 38
Mirocaris fortunata MA--KTTAVGDLGTTYSCVGFQHGKVEIANDQGNRTTPSYVAFDTSERLIGDSAANKQVAMNPSNTVFDKRLIGRKY 78
Macrobrachium rosenbergii MA--KSAAVGDLGTTYSCVGFQHGKVEIANDQGNRTTPSYVAFDTSERLIGDSAANKQVAMNPSNTVFDKRLIGRKY 78
Portunus trituberculatus MA--KAAVAVGDLGTTYSCVGFQHGKVEIANDQGNRTTPSYVAFDTSERLIGDSAANKQVAMNPSNTVFDKRLIGRKY 78
Portunus sanguinolentus MS--KGAAVGDLGTTYSCVGFQHGKVEIANDQGNRTTPSYVAFDTSERLIGDSAANKQVAMNPSNTVFDKRLIGRKY 78
Eriocheir sinensis MS--RGAAVGDLGTTYSCVGFQHGKVEIANDQGNRTTPSYVAFDTSERLIGDSAANKQVAMNPSNTVFDKRLIGRKY 78
Calinectes sapidus MS--KGAAVGDLGTTYSCVGFQHGKVEIANDQGNRTTPSYVAFDTSERLIGDSAANKQVAMNPSNTVFDKRLIGRKY 78
Scylla paramamosain MS--KGAAVGDLGTTYSCVGFQHGKVEIANDQGNRTTPSYVAFDTSERLIGDSAANKQVAMNPSNTVFDKRLIGRKY 78



contig02253 DDPVYQADMKHWPFNVVSDGGKPKLVEYFKGETKSFPEEISSMVLNKMRETAEAYLGATVKDAVITVPAYFNDSSQRQAT 158
contig06573 DDATVQADKKHWPQVNTNNGKPKQVVEFKGETKSFPEEISSMVLNKMRETAEAYLGATVKDAVITVPAYFNDSSQRQAT 105
Balanus amphitrite DDTAVQSDMKHWPFKVSDGGKPKLVEYFKGETKSFPEEISSMVLNKMRETAEAYLGATVKDAVITVPAYFNDSSQRQAT 158
Artemia sanfranciscana EDATVQSDMKHWPFDVSDGGKPKLVEYFKGETKSFPEEISSMVLNKMRETAEAYLGATVKDAVITVPAYFNDSSQRQAT 158
Moina macropoda DDATVQSDMKHWPFKVSDGGKPKLVEYFKGETKSFPEEISSMVLNKMRETAEAYLGATVKDAVITVPAYFNDSSQRQAT 159
Daphnia magna DDATVQSDMKHWPFKVSDGGKPKLVEYFKGETKSFPEEISSMVLNKMRETAEAYLGATVKDAVITVPAYFNDSSQRQAT 159
Tigriopus japonicus NDTTQQRDMKHWPFVSDGGKPKLVEYFKGETKSFPEEISSMVLNKMRETAEAYLGATVKDAVITVPAYFNDSSQRQAT 156
Pachygrapsus marmoratus NDHNVQSDMKHWPFDVSDGGKPKLVEYFKGETKSFPEEISSMVLNKMRETAEAYLGATVKDAVITVPAYFNDSSQRQAT 158
Homarus americanus DDHNVQSDMKHWPFDVSDGGKPKLVEYFKGETKSFPEEISSMVLNKMRETAEAYLGATVKDAVITVPAYFNDSSQRQAT 158
Penaeus monodon EDHTVQSDMKHWPFTIINESTKPKLVEYFKGETKSFPEEISSMVLNKMRETAEAYLGATVKDAVITVPAYFNDSSQRQAT 158
Metapenaeus ensis DDATVQSDMKHWPFTIINESTKPKLVEYFKGETKSFPEEISSMVLNKMRETAEAYLGATVKDAVITVPAYFNDSSQRQAT 158
Litopenaeus vannamei EDHTVQSDMKHWPFTIINESTKPKLVEYFKGETKSFPEEISSMVLNKMRETAEAYLGATVKDAVITVPAYFNDSSQRQAT 158
Rimicaris exoculata-3 DEGVQADMKHWPFDDVSDGGKPKLVEYFKGETKSFPEEISSMVLNKMRETAEAYLGATVKDAVITVPAYFNDSSQRQAT 158
Rimicaris exoculata-2 DDPTVQADMKHWPFKVVSDGGKPKLVEYFKGETKSFPEEISSMVLNKMRETAEAYLGATVKDAVITVPAYFNDSSQRQAT 118
Rimicaris exoculata-1 DDPTVQSDMKHWPQVSSDGGKPKLVEYFKGETKSFPEEISSMVLNKMRETAEAYLGATVKDAVITVPAYFNDSSQRQAT 116
Palaeomonetes varians DDATVQSDMKHWPFTIINESTKPKLVEYFKGETKSFPEEISSMVLNKMRETAEAYLGATVKDAVITVPAYFNDSSQRQAT 118
Mirocaris fortunata DEGVQADMKHWPFDDVSDGGKPKLVEYFKGETKSFPEEISSMVLNKMRETAEAYLGATVKDAVITVPAYFNDSSQRQAT 158
Macrobrachium rosenbergii DDGVQSDMKHWPFTIINESTKPKLVEYFKGETKSFPEEISSMVLNKMRETAEAYLGATVKDAVITVPAYFNDSSQRQAT 158
Portunus trituberculatus EDATVQSDMKHWPFTVSDGGKPKLVEYFKGETKSFPEEISSMVLNKMRETAEAYLGATVKDAVITVPAYFNDSSQRQAT 158
Portunus sanguinolentus TDSVQADMKHWPFKVVSDGGKPKLVEYFKGETKSFPEEISSMVLNKMRETAEAYLGATVKDAVITVPAYFNDSSQRQAT 158
Eriocheir sinensis NDHNVQSDMKHWPFDVSDGGKPKLVEYFKGETKSFPEEISSMVLNKMRETAEAYLGATVKDAVITVPAYFNDSSQRQAT 158
Calinectes sapidus TDHNVQSDMKHWPFDVSDGGKPKLVEYFKGETKSFPEEISSMVLNKMRETAEAYLGATVKDAVITVPAYFNDSSQRQAT 158
Scylla paramamosain NDHNVQSDMKHWPFDVSDGGKPKLVEYFKGETKSFPEEISSMVLNKMRETAEAYLGATVKDAVITVPAYFNDSSQRQAT 158



contig02253 KDAGTISGLNVLRIINEPTAAAAYGLDKK---VGGERNVLI FDLGGGTFDVSILNIEDGIFEVKSTAGDTHGGEDFD 234
contig06573 KDAGVLAGLNVLRIINEPTAAAAYGLDKKTGST----- 139
Balanus amphitrite KDAGAISGLNVLRIINEPTAAAAYGLDKK---VGGERNVLI FDLGGGTFDVSILNIEDGIFEVKSTAGDTHGGEDFD 234
Artemia sanfranciscana KDAGAISGLNVLRIINEPTAAAAYGLDKK---TVGKKNVLI FDLGGGTFDVSILNIEDGIFEVKSTAGDTHGGEDFD 234
Moina macropoda KDAGTISGLNVLRIINEPTAAAAYGLDKK---VGGERNVLI FDLGGGTFDVSILNIEDGIFEVKSTAGDTHGGEDFD 235
Daphnia magna KDAGTISGLNVLRIINEPTAAAAYGLDKK---VTGERHVL FDLGGGTFDVSILNIEDGIFEVKSTAGDTHGGEDFD 235
Tigriopus japonicus KDAGTISGMNVLRIINEPTAAAAYGLDKK---SGKESNVL FDLGGGTFDVSILNIEDGIFEVKSTAGDTHGGEDFD 234
Pachygrapsus marmoratus KDAGTISGLNVLRIINEPTAAAAYGLDKK---VGGERNVLI FDLGGGTFDVSILNIEDGIFEVKSTAGDTHGGEDFD 234
Homarus americanus KDAGTISGLNVLRIINEPTAAAAYGLDKK---VGGERNVLI FDLGGGTFDVSILNIEDGIFEVKSTAGDTHGGEDFD 234
Penaeus monodon KDAGTISGLNVLRIINEPTAAAAYGLDKK---VGGERNVLI FDLGGGTFDVSILNIEDGIFEVKSTAGDTHGGEDFD 234
Metapenaeus ensis KDAGTISGLNVLRIINEPTAAAAYGLDKK---VGGERNVLI FDLGGGTFDVSILNIEDGIFEVKSTAGDTHGGEDFD 234
Litopenaeus vannamei KDAGTISGLNVLRIINEPTAAAAYGLDKK---VGGERNVLI FDLGGGTFDVSILNIEDGIFEVKSTAGDTHGGEDFD 234
Rimicaris exoculata-3 KDAGTISGLNVLRIINEPTAAAAYGLDKK---VGGERNVLI FDLGGGTFDVSILNIEDGIFEVKSTAGDTHGGEDFD 234
Rimicaris exoculata-2 KDAGVLAGLNVLRIINEPTAAAAYGLDKKAGSGTGERNVLI FDLGGGTFDVSILNIEDGIFEVKSTAGDTHGGEDFD 198
Rimicaris exoculata-1 KDAGVLAGLNVLRIINEPTAAAAYGLDKKAGSGSAGSERNVLI FDLGGGTFDVSILNIEDGIFEVKSTAGDTHGGEDFD 196
Palaeomonetes varians KDAGTISGLNVLRIINEPTAAAAYGLDKK---VGGERNVLI FDLGGGTFDVSILNIEDGIFEVKSTAGDTHGGEDFD 194
Mirocaris fortunata KDAGTISGLNVLRIINEPTAAAAYGLDKK---VGGERNVLI FDLGGGTFDVSILNIEDGIFEVKSTAGDTHGGEDFD 234
Macrobrachium rosenbergii KDAGTISGLNVLRIINEPTAAAAYGLDKK---VGGERNVLI FDLGGGTFDVSILNIEDGIFEVKSTAGDTHGGEDFD 234
Portunus trituberculatus KDAGTISGMNVLRIINEPTAAAAYGLDKR---VGGERNVLI FDLGGGTFDVSILNIEDGIFEVKSTAGDTHGGEDFD 234
Portunus sanguinolentus KDAGVISGLNVLRIINEPTAAAAYGLDKG---KRGERNVLI FDLGGGTFDVSILNIEDGIFEVKSTAGDTHGGEDFD 234
Eriocheir sinensis KDAGTISGLNVLRIINEPTAAAAYGLDKK---VGGERNVLI FDLGGGTFDVSILNIEDGIFEVKSTAGDTHGGEDFD 234
Calinectes sapidus KDAGTISGVNVLRIINEPTAAAAYGLDKK---VGGERNVLI FDLGGGTFDVSILNIEDGIFEVKSTAGDTHGGEDFD 234
Scylla paramamosain KDAGTISGVNVLRIINEPTAAAAYGLDKK---VGGERNVLI FDLGGGTFDVSILNIEDGIFEVKSTAGDTHGGEDFD 234

