

	C1	C2	C3	C4	C5	C6				
	*	*	*	*	*	*				
TRINITY_DN17498_c0_g1_i1	-----MKF-----	-----LVVVFVCLAGAL-AQELTEAQRRLREHRDI	IRETDANRAEVDRARQ-GQWADNPQIRCFALCM	MMRRLRLMSEDGQLNEAAARQRLALVVRP----	ERVEEIMTKC-KDLKGNTP----	CDTGYLVCLKCYTDNRANVVX-----				
TRINITY_DN1796_c0_g1_i1	-----MARHMVCCFL-----	-----IGMAMQALLVSAGRPFITDDMMAMVADDKAR	CMEHGTTEALIDEVNT-GALPNNRALTCYMDCL	FAAFGVI-DEGELEVDMLVGFLPDHMQD----	AARDLLETC-AKQPGADP----	CDKVFEIAKCVQAKRPDLWFMIX-----				
TRINITY_DN1838_c0_g1_i1	-----MVKYI-----	-----VSAFIAVCLVAAIRAGEIPPEFKEIAPEVRRV	LEESGAENEWVVKANK-GDFTDDPKFKCYLKCT	LAQFGAVSRKG-VNFDALTKLAP--PAY----	KEILDKVISAC-KDTKPTIPGDV	CDQVYEASKCFYRAAPDNYFVMX-----				
TRINITY_DN1916_c0_g1_i1	-----MARHMVCCFL-----	-----IGMAMQALLVSAGRPFITDDMMAMVADDKAR	CMEHGTTEALIDEVNT-GALPNNRALTCYMDCL	FAAFGVI-DEGELEVDMLVGFLPDHMQD----	AARDLLETC-AKQPGADP----	CDKVFEIAKCVQAKRPDLWFMIX-----				
TRINITY_DN2097_c0_g1_i2	-----MKV-----	-----FVVILSTCLIGAL-AQELTEAQKQKVRENRD	ACITETGADREEVNKANK-GEWADNAKIRCF	FTLCLMLKKWGMNDAGVLDEAAARQKMG	LQMKP-----EKVEEIMTKC-KYLKGDTA----	CDTAYMMMKCYTDNRAVTVX-----				
TRINITY_DN2097_c0_g1_i2	-----MKF-----	-----LVVVFVCLAGAL-AQELTEAQRRLREHRDI	IRETDANRAEVDRARQ-GQWADNPQIRCFALCM	MMRRLRLMSEDGQLNEAAARQRLALVVRP----	ERVEEIMTKC-KDLKGNTP----	CDTGYLVCLKCYTDNRANVVX-----				
TRINITY_DN2097_c0_g1_i2	MRLAMKKSSSHCVRLVPDAYIGGHFLQIFTYQHAFATGSNFRELRIIQ	LMKFLVIAVLCIVGAL-ASEQRETPEARRQRYRDA	CRAETGADQADIDKARK-GEWADKENLR	CYTLCLMLKKGNLMNDEGVLD	DEIVTRDTLARKLPA----EQINDIMAKC-KDLKGSNA----	CGTAQRIMKCYNEQKTHLMX-----				
TRINITY_DN22_c0_g3_i1	-----MKV-----	-----FVVILSTCLIGAL-AQELTEAQKQKVRENRD	ACITETGADREEVNKANK-GEWADNAKIRCF	FTLCLMLKKWGMNDAGVLDEAAARQKMG	LQMKP-----EKVEEIMTKC-KYLKGDTA----	CDTAYMMMKCYTDNRAVTVX-----				
TRINITY_DN23528_c0_g1_i1	-----MCLLQTVKMKLL-----	-----VILLIFHVAF--AGAFRPADIVRFQRAVEK	CRISEDVSDEVLERVLN-GEIVDDPHFNC	FAACLL	EEFQLLKPDGFSFNDELAVTKIPQDADF--AQQLTDAIKTC-SARRDPDK----	CTTAHLLFVCMYENNIPTLLFGX-----				
TRINITY_DN2432_c0_g2_i1	-----WEVLVEFSDSIHQFFFLDSQSKNQNSKMKS	AFISGLV-----IVLVLFNFDNVG--AKMTIPQVTNMLMPMRKT	CMQKTGASAE	LVDAPKT-GMPDPDPVLQCYACLLKMIKVL	TKEGLPNVDSMVQM	DMVMLPADDITARLKEVIALCTPAVTSTD	S---CEGTWQIKCFYETDKNVCFFPX-----			
TRINITY_DN25035_c0_g1_i1	MRLAMKKSSSHCVRLVPDAYIGGHFLQIFTYQHAFATGSNFRELRIIQ	LMKFLVIAVLCIVGAL-ASEQRETPEARRQRYRDA	CRAETGADQADIDKARK-GEWADKENLR	CYTLCLMLKKGNLMNDEGVLD	DEIVTRDTLARKLPA----EQINDIMAKC-KDLKGSNA----	CGTAQRIMKCYNEQKTHLMX-----				
TRINITY_DN2526_c0_g2_i2	-----MGIKALPIIQRENFK-----	-----MRIIGVSLALLSL-VLFVRGDDKDPHPGIREK	CKDQFGLSSDDL----	K-AAMEDP	SDVGCYILCFFKDL	SIMDDSGKFDPAALDAIEDSAK----DAKPVLS	SSCDSKVKKSTTKDPCARALEVVT	CFKEEAPELYKNLGIFHPLGX-----		
TRINITY_DN26386_c0_g1_i1	-----MNTS-----	-----TVVLVFCALAVTF--VSGGDMKAEMHAQVEK	CIETGVDP	SVLKS	LHETGGANADENVKLGACIMKGLGVMAADGT	VNLDAKSLVPSDAPD--HDALLAAVEEC-HAEKGAND--	CETAHAIGMCMHKKHVGPMDX-----			
TRINITY_DN26629_c0_g1_i1	NNYLARC	FRRHIAQYSFSMKSGLF-----VV-----	ALVGAF	AVAAGGP-PDKDCPLMKA-LKESID	ACIDK--LSEESVKLMEK-DAFADNEE	IRCFHACVMT	HSGMLTD-GKMDIPALEEMLSGNP	DPDEEEAQKII	EIMKMKPEAEISDN--ECEVAGNYVKCFQAKKVN	X-----
TRINITY_DN2842_c0_g2_i1	-----MKF-----	-----LVVVFVCLAGAL-AQELTEAQRRLREHRDI	IRETDANRAEVDRARQ-GQWADNPQIRCFALCM	MMRRLRLMSEDGQLNEAAARQRLALVVRP----	ERVEEIMTKC-KDLKGNTP----	CDTGYLVCLKCYTDNRANVVX-----				
TRINITY_DN2842_c0_g3_i1	MRLAMKKSSSHCVRLVPDAYIGGHFLQIFTYQHAFATGSNFRELRIIQ	LMKFLVIAVLCIVGAL-ASEQRETPEARRQRYRDA	CRAETGADQADIDKARK-GEWADKENLR	CYTLCLMLKKGNLMNDEGVLD	DEIVTRDTLARKLPA----EQINDIMAKC-KDLKGSNA----	CGTAQRIMKCYNEQKTHLMX-----				
TRINITY_DN2842_c0_g3_i1	-----MKV-----	-----FVVILSTCLIGAL-AQELTEAQKQKVRENRD	ACITETGADREEVNKANK-GEWADNAKIRCF	FTLCLMLKKWGMNDAGVLDEAAARQKMG	LQMKP-----EKVEEIMTKC-KYLKGDTA----	CDTAYMMMKCYTDNRAVTVX-----				
TRINITY_DN2902_c0_g1_i1	-----MGIKALPIIQRENFK-----	-----RRSTGID-----MRIIGVSLALLSL-VLFVRGDDKDPHPGIREK	CKDQFGLSSDDLKAAME-----DP	SDVGCYILCFFKDL	SIMDDSGKFDPAALDAIEDSAK----DAKPVLS	SSCDSKVKKSTTKDPCARALEVVT	CFKEEAPELYKNLGIFHPLGX-----			
TRINITY_DN30107_c0_g1_i1	NNYLARC	FRRHIAQYSFSMKSGLF-----VV-----	ALVGAF	AVAAGGP-PDKDCPLMKA-LKESID	ACIDK--LSEESVKLMEK-DAFADNEE	IRCFHACVMT	HSGMLTD-GKMDIPALEEMLSGNP	DPDEEEAQKII	EIMKMKPEAEISDN--ECEVAGNYVKCFQAKKVN	X-----
TRINITY_DN30439_c0_g1_i4	-----MNTS-----	-----TVVLVFCALAVTF--VSGGDMKAEMHAQVEK	CIETGVDP	SVLKS	LHETGGANADENVKLGACIMKGLGVMAADGT	VNLDAKSLVPSDAPD--HDALLAAVEEC-HAEKGAND--	CETAHAIGMCMHKKHVGPMDX-----			
TRINITY_DN3053_c0_g1_i2	-----GKYSWNSVIRYIRNFFFLDSQSKNQNSKMKS	AFISGLV-----IVLVLFNFDNVG--AKMTIPQVTNMLMPMRKT	CMQKTGASAE	LVDAPKT-GMPDPDPVLQCYACLLKMIKVL	TKEGLPNVDSMVQM	DMVMLPADDITARLKEVIALCTPAVTSTD	S---CEGTWQIKCFYETDKNVCFFPX-----			
TRINITY_DN3355_c0_g1_i1	-----MGIKALPIIQRENFK-----	-----RRSTGID-----MRIIGVSLALLSL-VLFVRGDDKDPHPGIREK	CKDQFGLSSDDLKAAME-----DP	SDVGCYILCFFKDL	SIMDDSGKFDPAALDAIEDSAK----DAKPVLS	SSCDSKVKKSTTKDPCARALEVVT	CFKEEAPELYKNLGIFHPLGX-----			
TRINITY_DN3475_c0_g1_i4	-----MRKYVGFLC-----LI-----	-----LQVSIHGCGPVG-RPDFVSD	EMIALAASVVNAQTQTGVATADIEAVRN-GQWLN	STPLKCYMYCLWEQFGLVDDKRELS	NGMLTFFQRI	PAY--RAEVQTAIRECKKIADGDN--	CQYAYTFNLCYSKLS	SPRTYYLFX-----		
TRINITY_DN3475_c0_g1_i4	-----MRKYVGFLC-----LI-----	-----LQVSIHGCGPVG-RPDFVSD	EMIALAASVVNAQTQTGVATADIEAVRN-GQWLN	STPLKCYMYCLWEQFGLVDDKRELS	NGMLTFFQRI	PAY--RAEVQTAIRECKKIGKFFADGDN	CQYAYTFNLCYSKLS	SPRTYYLFX-----		
TRINITY_DN36216_c0_g1_i1	-----MNTS-----	-----TVVLVFCALAVTF--VSGGDMKAEMHAQVEK	CIETGVDP	SVLKS	LHETGGANADENVKLGACIMKGLGVMAADGT	VNLDAKSLVPSDAPD--HDALLAAVEEC-HAEKGAND--	CETAHAIGMCMHKKHVGPMDX-----			
TRINITY_DN3638_c0_g1_i1	-----EVLVEFSDSIHQFFFLDSQSKNQNSKMKS	AFISGLV-----IVLVLFNFDNVG--AKMTIPQVTNMLMPMRKT	CMQKTGASAE	LVDAPKT-GMPDPDPVLQCYACLLKMIKVL	TKEGLPNVDSMVQM	DMVMLPADDITARLKEVIALCTPAVTSTD	S---CEGTWQIKCFYETDKNVCFFPX-----			
TRINITY_DN3641_c0_g2_i1	-----MVKYI-----	-----VSAFIAVCLVAAIRAGEIPPEFKEIAPEVRRV	LEESGAENEWVVKANK-GDFTDDPKFKCYLKCT	LAQFGAVSRKG-VNFDALTKLAP--PAY----	KEILDKVISAC-KDTKPTIPGDV	CDQVYEASKCFYRAAPDNYFVMX-----				
TRINITY_DN3807_c0_g1_i3	-----MRKYVGFLC-----LI-----	-----LQVSIHGCGPVG-RPDFVSD	EMIALAASVVNAQTQTGVATADIEAVRN-GQWLN	STPLKCYMYCLWEQFGLVDDKRELS	NGMLTFFQRI	PAY--RAEVQTAIRECKKIGKFFADGDN	CQYAYTFNLCYSKLS	SPRTYYLFX-----		
TRINITY_DN4374_c0_g1_i4	-----MRKYVGFLC-----LI-----	-----LQVSIHGCGPVG-RPDFVSD	EMIALAASVVNAQTQTGVATADIEAVRN-GQWLN	STPLKCYMYCLWEQFGLVDDKRELS	NGMLTFFQRI	PAY--RAEVQTAIRECKKIGKFFADGDN	CQYAYTFNLCYSKLS	SPRTYYLFX-----		
TRINITY_DN5058_c0_g1_i1	-----MRKYVGFLC-----LI-----	-----LQVSIHGCGPVG-RPDFVSD	EMIALAASVVNAQTQTGVATADIEAVRN-GQWLN	STPLKCYMYCLWEQFGLVDDKRELS	NGMLTFFQRI	PAY--RAEVQTAIRECKKIGKFFADGDN	CQYAYTFNLCYSKLS	SPRTYYLFX-----		
TRINITY_DN5692_c0_g1_i2	NNYLARC	FRRHIAQYSFSMKSGLF-----VV-----	ALVGAF	AVAAGGP-PDKDCPLMKA-LKESID	ACIDK--LSEESVKLMEK-DAFADNEE	IRCFHACVMT	HSGMLTD-GKMDIPALEEMLSGNP	DPDEEEAQKII	EIMKMKPEAEISDN--ECEVAGNYVKCFQAKKVN	X-----
TRINITY_DN7227_c0_g2_i1	-----QTVKMKLL-----	-----VILLIFHVAF--AGAFRPADIVRFQRAVEK	CRISEDVSDEVLERVLN-GEIVDDPHFNC	FAACLL	EEFQLLKPDGFSFNDELAVTKIPQDADF--AQQLTDAIKTC-SARRDPDK----	CTTAHLLFVCMYENNIPTLLFGX-----				
cluster_contig12763	-----MRKYVGFLC-----LI-----	-----LQVSIHGCGPVG-RPDFVSD	EMIALAASVVNAQTQTGVATADIEAVRN-GQWLN	STPLKCYMYCLWEQFGLVDDKRELS	NGMLTFFQRI	PAY--RAEVQTAIRECKKIGKFFADGDN	CQYAYTFNLCYSKLS	SPRTYYLFX-----		
cluster_contig3353	-----MCLLQTVKMKLL-----	-----VILLIFHVAF--AGAFRPADIVRFQRAVEK	CRISEDVSDEVLERVLN-GEIVDDPHFNC	FAACLL	EEFQLLKPDGFSFNDELAVTKIPQDADF--AQQLTDAIKTC-SARRDPDK----	CTTAHLLFVCMYENNIPTLLFGX-----				
cluster_contig3738	-----MVKYI-----	-----VSAFIAVCLVAAIRAGEIPPEFKEIAPEVRRV	LEESGAENEWVVKANK-GDFTDDPKFKCYLKCT	LAQFGAVSRKG-VNFDALTKLAP--PAY----	KEILDKVISAC-KDTKPTIPGDV	CDQVYEASKCFYRAAPDNYFVMX-----				
cluster_contig4520	-----MKV-----	-----FVVILSTCLIGAL-AQELTEAQKQKVRENRD	ACITETGADREEVNKANK-GEWADNAKIRCF	FTLCLMLKKWGMNDAGVLDEAAARQKMG	LQMKP-----EKVEEIMTKC-KYLKGDTA----	CDTAYMMMKCYTDNRAVTVX-----				
cluster_contig4670	MRLAMKKSSSHCVRLVPDAYIGGHFLQIFTYQHAFATGSNFRELRIIQ	LMKFLVIAVLCIVGAL-ASEQRETPEARRQRYRDA	CRAETGADQADIDKARK-GEWADKENLR	CYTLCLMLKKGNLMNDEGVLD	DEIVTRDTLARKLPA----EQINDIMAKC-KDLKGSNA----	CGTAQRIMKCYNEQKTHLMX-----				
cluster_contig6435	-----FTYWEVLVEFSDSIHQFFFLDSQSKNQNSKMKS	AFISGLV-----IVLVLFNFDNVG--AKMTIPQVTNMLMPMRKT	CMQKTGASAE	LVDAPKT-GMPDPDPVLQCYACLLKMIKVL	TKEGLPNVDSMVQM	DMVMLPADDITARLKEVIALCTPAVTSTD	S---CEGTWQIKCFYETDKNVCFFPX-----			
cluster_contig6516	-----MKF-----	-----LVVVFVCLAGAL-AQELTEAQRRLREHRDI	IRETDANRAEVDRARQ-GQWADNPQIRCFALCM	MMRRLRLMSEDGQLNEAAARQRLALVVRP----	ERVEEIMTKC-KDLKGNTP----	CDTGYLVCLKCYTDNRANVVX-----				