**AtAQP1**

>TRINITY\_DN608\_c0\_g1\_i12.p1 type:complete len:245 gc:universal TRINITY\_DN608\_c0\_g1\_i12:2147-1413(-)

MTESAGVKQLVGVADITENRNIWRMLVAEFLGTFFLVSIGIGSTMGWGGDYAPTLTQIAFTFGLVVATLAQAFGHVSGCHINPAVTIGLMVTADVSILKGAFYIVSQCVGAIAGAALIKAATPTEVIGGLGVTGIDPRLSTGQGVMIEALITFILVFVVHGVCDNRRSDIKGSAPLAIGLSITAGHLSAIKYTGASMNPARSFGPAVVMGNWTDQWVYWVGPIVGGILAGAVYRLFFKVRKDEH\*

>TRINITY\_DN608\_c0\_g1\_i8.p2 type:complete len:252 gc:universal TRINITY\_DN608\_c0\_g1\_i8:2168-1413(-)

MIPTFGKFEFREGVKQLVGVADITENRNIWRMLVAEFLGTFFLVSIGIGSTMGWGGDYAPTLTQIAFTFGLVVATLAQAFGHVSGCHINPAVTIGLMVTADVSILKGAFYIVSQCVGAIAGAALIKAATPTEVIGGLGVTGIDPRLSTGQGVMIEALITFILVFVVHGVCDNRRSDIKGSAPLAIGLSITAGHLSAIKYTGASMNPARSFGPAVVMGNWTDQWVYWVGPIVGGILAGAVYRLFFKVRKDEH\*

**AtAQP2**

>TRINITY\_DN6554\_c0\_g1\_i5.p1 type:complete len:264 gc:universal TRINITY\_DN6554\_c0\_g1\_i5:1468-677(-)

MGSSYKLGMEELSGKTSNIWKALVAEFIGIFILNFFGCAACTHAAGDKTLISLAFGLSVFMVVMSIGHISGGHINPAVTAGLLAAGKVSIVRAILYVVVQCAGAVAGTASLKALLPEIYQNGLGNTGLKENVQDMQGLGIEFFLGFILVLCVFGVCDENKPDSRFVAPLAIGMTVTLGHLGVVEYTGSSMNPARSFGTAFIGDNWANHWIYWAGPILGGVCSALLYCQVFKAPKSEELSVNERYHVVADEKELKRLDGKRDMA\*

>TRINITY\_DN6554\_c0\_g1\_i4.p1 type:complete len:255 gc:universal TRINITY\_DN6554\_c0\_g1\_i4:819-55(-)

MGSSYKLGMEELSGKTSNIWKALVAEFIGIFILNFFGCAACTHAAGDKTLISLAFGLSVFMVVMSIGHISGGHINPAVTAGLLAAGKVSIVRAILYVVVQCAGAVAGTASLKALLPEIYQNGLGNTGLKENVQDMQGLGIEFFLGFILVLCVFGVCDENKPDSRFVAPLAIGMTVTLGHLGVVEYTGSSMNPARSFGTAFIGDNWANHWIYWAGPILGGVCSALLYCQVFKAPKSEELSVNERYHVVADEKEVR\*

**AtAQP3**

>TRINITY\_DN4757\_c1\_g1\_i5.p1 type:complete len:620 gc:universal TRINITY\_DN4757\_c1\_g1\_i5:423-2282(+)

MAEESLHVPDSNIDFHIVQLFERLESLRREPGRVKLSGSMQGRSTNMHNELRSLEFWRSITSECLASFFYVFIVCGAAAGAGVGASVSSVLLATALSSGFAVTALTQCFLHVSGAHINPAVTISLAITRMISPLRAILYMIAQCGGSIAGAALLYGVTVPGYQGNLQAAVSHTSNLAAWERFGVEFILTFVVVLSYLISTNSYKKYFGSSAIAIGAAYSACSFVSMPYLNPARSLGPSFVLNKWDNHWVYWVGPLIGGIVSGLLHEFIFSTKRTTKKSKEDVDSSVNSDEDINYDVDMDKPQQTGKYHTYRPTNGTLVSQQRFCQSIYTAEPTSKTDRVESIYGGTKSMYCKSPPLTRANLNRSQSVYTKSNTALNRDMSIRPGPLVPAQSLYPLRVTQPQSSHLQNQNVQNQLQQRSESIYGIRSSMRQQGPPERIPQPLPQHPQSSDPQGFQPIYGTRNNPNCSTDALKFDREPRENSRDDSMSSKFSRSARPESMYGQRRVQSAQSDDSSYGSYHGPGPAITPPTRNASNSSSNYNGTMMMPNYGPGPVPGMTQMQSERKASNSSSQQQSQQHHQQQQTMVQRTSSAIQNGNLPPPPAQLQNHPVGYPMPHPVRQT\*

>TRINITY\_DN4757\_c1\_g1\_i1.p1 type:complete len:484 gc:universal TRINITY\_DN4757\_c1\_g1\_i1:423-1874(+)

MAEESLHVPDSNIDFHIVQLFERLESLRREPGRVKLSGSMQGRSTNMHNELRSLEFWRSITSECLASFFYVFIVCGAAAGAGVGASVSSVLLATALSSGFAVTALTQCFLHVSGAHINPAVTISLAITRMISPLRAILYMIAQCGGSIAGAALLYGVTVPGYQGNLQAAVSHTSNLAAWERFGVEFILTFVVVLSYLISTNSYKKYFGSSAIAIGAAYSACSFVSMPYLNPARSLGPSFVLNKWDNHWVYWVGPLIGGIVSGLLHEFIFSTKRTTKKSKEDVDSSVNSDEDINYDVDMDKPQQTGKYHTYRPTNGTLVSQQRFCQSIYTAEPTSKTDRVESIYGGTKSMYCKSPPLTRANLNRSQSVYTKSNTALNRDMSIRPGPLVPAQSLYPLRVTQPQSSHLQNQNVQNQLQQRSESIYGIRSSMRQQGPPERIPQPLPQHPQSSDPQGFQPIYGTRNNPNCSTDALKFDREPRENRSLL\*

**AtAQP4**

>TRINITY\_DN1851\_c1\_g1\_i2.p1 type:complete len:296 gc:universal TRINITY\_DN1851\_c1\_g1\_i2:1609-722(-)

MATNQQNGKESRLPMPLDHAAIERTAEKNHSFLGTGHCKKDVVSIFLAEFCGTATLLFLGCMCVVTGFGNSPTNVAGGIGFGFTVMIVIITFGHVSGAHINPCVSIAAVVYGSLNIPMFILYLIAQFSGGICGYGLLMSVTPMKYFTMAMETGNGSCVTAPHSDLSAVEAFGVEFFITGILIWTCCGLWDPRNSKQGEGTPVKFALIISGISIAAGPYTGASMNPARTLPPAIWNGSYKALWVYFVAPLLAGSIMPLIYKYVFRRELPQQEQPAVQLIRTPEDIKAHIIDQDDKY\*

**AtAQP5**

>TRINITY\_DN3010\_c0\_g1\_i15.p1 type:complete len:257 gc:universal TRINITY\_DN3010\_c0\_g1\_i15:1307-537(-)

MTVGVAKMKKSTLDNVSILLAELLGTALLVLLGCMGCVGGLGHTPSHFELCINFGLVVMILVQVFGCVSGCHINPAVTAAAWVYDMVSTKMALGYMIAQCIGAFMGFGMLKMLTPAAVFTGALETGAGFCVTTPNAGITTMQAVGIEYLATGVLVLVCCGIWDPRNSKLHDSVPLKFGFTIGCLAVAAGPYTGASMNPARSLGPVLWNGDWTAHWVYWVGPLTAAFSIAFLYKTVFRREVPAQEITSEMTALNTEK\*

>TRINITY\_DN3010\_c0\_g1\_i9.p1 type:complete len:250 gc:universal TRINITY\_DN3010\_c0\_g1\_i9:1286-537(-)

MKKSTLDNVSILLAELLGTALLVLLGCMGCVGGLGHTPSHFELCINFGLVVMILVQVFGCVSGCHINPAVTAAAWVYDMVSTKMALGYMIAQCIGAFMGFGMLKMLTPAAVFTGALETGAGFCVTTPNAGITTMQAVGIEYLATGVLVLVCCGIWDPRNSKLHDSVPLKFGFTIGCLAVAAGPYTGASMNPARSLGPVLWNGDWTAHWVYWVGPLTAAFSIAFLYKTVFRREVPAQEITSEMTALNTEK\*

>TRINITY\_DN3010\_c0\_g1\_i6.p1 type:complete len:250 gc:universal TRINITY\_DN3010\_c0\_g1\_i6:1286-537(-)

MKKSTLDNVSILLAELLGTALLVLLGCMGCVGGLGHTPSHFELCINFGLVVMILVQVFGCVSGCHINPAVTAAAWVYDMVSTKMALGYMIAQCIGAFMGFGMLKMLTPAAVFTGALETGAGFCVTTPNAGITTMQAVGIEYLATGVLVLVCCGIWDPRNSKLHDSVPLKFGFTIGCLAVAAGPYTGASMNPARSLGPVLWNGDWTAHWVYWVGPLTAAFSIAFLYKTVFRREVPAQEITSEMTALNTEK\*

**AtAQP6**

>TRINITY\_DN3620\_c0\_g1\_i1.p1 type:complete len:262 gc:universal TRINITY\_DN3620\_c0\_g1\_i1:194-979(+)

MAIEQLGYSVFFIALSSAIAAVARRLNEKLSKEGLVKELIFEAIAAGELCACCFELIIVADNFGVATYAVFLFTLTIWWGLQWGNATACPYTYMEQIVQGEVNFKEAALKIWAQLMGGCCVYRYVQLYWWLELAETHEGRAFEECSADLKVNLYLGAFIEGLATLCCRLASKVISEKNAKFGSFLDSFIGTSLVVAAFNYSGGYFNPVLATALKWGCAGNSALEHIIVYWIGSCVGAVLSVPLFKTATFRNLFLADKAKVE\*