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| ***tan1-d* (CDS-1086 bp)**ATGGACCTACCCAAGCCGCCGTCGACGGCCGCCTCGTCGTCGGGGGCGGAGACGCCGAACCCGCACGCCTTCACCTGCGAGCTCCCGCACTCGATCTACGCGCTCGCCTTCTCCCCCGGCGCGCCCGTCCTCGCCTCCGGCAGCTTCCTCGAGGACCTCCACAACCGCGTCTCCCTGCTCTCCTTCGACCCCGTCCGCCCCTCCGCCGCCTCCTTCCGCGCCCTCCCGGCGCTCTCCTTCGACCACCCCTACCCACCCACCAAGCTCCAGTTCAACCCGCGCGCCGCCGCGCCGTCCCTCCTCGCCTCCTCCGCCGACACGCTCCGCATCTGGCACGCCCCGCTCGACGACCTCTCCGCCACCGCCTCCGCGCCCGAGCTCCGCTCCGTTCTCGACAACCGCAAGGCCGCCTCCGAGTTCTGCGCGCCCCTCACCTCCTTCGATTGGAACGAGGTCGAGCCCCGCCGTATCGGGACCGCCTCCATCGACACCACCTGCACCGTCTGGGACATCGATCTCGGCGTCGTGGAGACGCAGCTCATCGCGCACGACAAGGCCGTCCACGACATCGCCTGGGGGGAGGCCGGGGTCTTCGCCTCCGTGTCGGCCGACGGCTCCGTCCGCGTCTTCGACCTCCGGGACAAGGAACACTCCACCATCGTCTACGAGAGCCCCCGCCCCGACACGCCGCTCCTCAGGCTGGCGTGGAACCGCTCTGACCTCCGCTATATGGCCGCGCTGCTCATGGACAGCAGCGCCGTCGTCGTGCTCGACATACGTGCGCCCGGGGTGCCGGTGGCCGAGCTGCACCGGCACCGGGCGTGCGCCAACGCAGTCGCGTGGGCGCCGCAGGCCACTAGGCACCTCTGCTCGGCTGGGGACGACGGGCAGGCACTGATCTGGGAACTGCCCGAGACGGCGGCGGCTGTGCCCGCCGAGGGGATTGATCCTGTGCTAGTGTACGACGCAGGTGCCGAAATAAACCAACTTCAGTGGGCGGCCGCCCACCCGGACTGGATGGCCATCGCCTTTGAGAACAAGGTCCAGCTTCTTTGGTTGACAAGAAATTTTCTGAAGAAAGCTTGA**tan1-d (protein-361 aa)**1 MDLPKPPSTA ASSSGAETPN 21 PHAFTCELPH SIYALAFSPG 41 APVLASGSFL EDLHNRVSLL 61 SFDPVRPSAA SFRALPALSF 81 DHPYPPTKLQ FNPRAAAPSL 101 LASSADTLRI WHAPLDDLSA 121 TASAPELRSV LDNRKAASEF 141 CAPLTSFDWN EVEPRRIGTA 161 SIDTTCTVWD IDLGVVETQL 181 IAHDKAVHDI AWGEAGVFAS 201 VSADGSVRVF DLRDKEHSTI 221 VYESPRPDTP LLRLAWNRSD 241 LRYMAALLMD SSAVVVLDIR 261 APGVPVAELH RHRACANAVA 281 WAPQATRHLC SAGDDGQALI 301 WELPETAAAV PAEGIDPVLV 321 YDAGAEINQL QWAAAHPDWM 341 AIAFENKVQL LWLTRNFLKK 361 A\* |
| ***tan1-e* (CDS-888 bp)**ATGGACCTACCCAAGCCGCCGTCGACGGCCGCCTCGTCGTCGGGGGCGGAGACGCCGAACCCGCACGCCTTCACCTGCGAGCTCCCGCACTCGATCTACGCGCTCGCCTTCTCCCCCGGCGCGCCCGTCCTCGCCTCCGGCAGCTTCCTCGAGGACCTCCACAACCGCGTCTCCCTGCTCTCCTTCGACCCCGTCCGCCCCTCCGCCGCCTCCTTCCGCGCCCTCCCGGCGCTCTCCTTCGACCACCCCTACCCACCCACCAAGCTCCAGTTCAACCCGCGCGCCGCCGCGCCGTCCCTCCTCGCCTCCTCCGCCGACACGCTCCGCATCTGGCACGCCCCGCTCGACGACCTCTCCGCCACCGCCTCCGCGCCCGAGCTCCGCTCCGTTCTCGACAACCGCAAGGCCGCCTCCGAGTTCTGCGCGCCCCTCACCTCCTTCGATTGGAACGAGGTCGAGCCCCGCCGTATCGGGACCGCCTCCATCGACACCACCTGCACCGTCTGGGACATCGATCTCGGCGTCGTGGAGACGCAGCTCATCGCGCACGACAAGGCCGTCCACGACATCGCCTGGGGGGAGGCCGGGGTCTTCGCCTCCGTGTCGGCCGACGGCTCCGTCCGCGTCTTCGACCTCCGGGACAAGGAACACTCCACCATCGTCTACGAGAGCCCCCGCCCCGACACGCCGCTCCTCAGGCTGGCGTGGAACCGCTCTGACCTCCGCTATATGGCCGCGCTGCTCATGGACAGCAGCGCCGTCGTCGTGCTGCGCCCGGGGTGCCGGTGGCCGAGCTGCACCGGCACCGGGCGTGCGCCAACGCAGTCGCGTGGGCGCCGCAGGCCACTAGGCACCTCTGCTCGGCTGGGGACGACGGGCAGGCACTGA**tan1-e (protein-295 aa)**1 MDLPKPPSTA ASSSGAETPN 21 PHAFTCELPH SIYALAFSPG 41 APVLASGSFL EDLHNRVSLL 61 SFDPVRPSAA SFRALPALSF 81 DHPYPPTKLQ FNPRAAAPSL 101 LASSADTLRI WHAPLDDLSA 121 TASAPELRSV LDNRKAASEF 141 CAPLTSFDWN EVEPRRIGTA 161 SIDTTCTVWD IDLGVVETQL 181 IAHDKAVHDI AWGEAGVFAS 201 VSADGSVRVF DLRDKEHSTI 221 VYESPRPDTP LLRLAWNRSD 241 LRYMAALLMD SSAVVVLRPG 261 CRWPSCTGTG RAPTQSRGRR 281 RPLGTSARLG TTGRH\* |
| ***tan2-d* (CDS-633 bp)**ATGGCGGCGGCCGGCGGCGAGGCCGTGCAGAAGGCGCTGCAGTCGGTGGCGCAGAGCACGGGGTGGACGTACAGCCTCCTCTGGCGCCTCTGCCCGCGCCAAGGCGCGCTGGTGTGGGCGGAGGGCCACTACAACGGCGCCATCAGGACGCGCAAGACGACGCAGCAGCAGCAGCAGCAGGTGGTGGTGGTGGTGCCTCCGCCTCGCCGGCCCACCGCCGCGCTGGCGCCCGAGGACCTCACGGAGACTGAGTGGTTCTACCTCATGTGCGCCTCCTACTGCTTCCCTCCTGCCGTCGGGTTGCCTGGGGAGGCATTTGTAAGGAGAGTTCATGTGTGGCTATACGGGGCAAACAAAGTTGACAGCAAAGTGTTCTCAAGAGCAATTCTCGCTAGGAGTGCAGGCATCCAGACAGTAGCATGCATTCCAGTCAACGATGGTGTCCTGGAAATTGGAACTACAGAGAAGGTAGAAGAAGACATTGGTTTAATTCAATATGCTAGGAGTATCTTCATGGATCAAATTGGCGCCCACATAATGCCTACCCTCTCAGGCCATTCAATTCCACCGCCCCAACCACACACATCAATCATCAGCCATTCCAGACAAAAATGGGCTGCATTGGTGACATAA**tan2-d (protein-210 aa)**1 MAAAGGEAVQ KALQSVAQST 21 GWTYSLLWRL CPRQGALVWA 41 EGHYNGAIRT RKTTQQQQQQ 61 VVVVVPPPRR PTAALAPEDL 81 TETEWFYLMC ASYCFPPAVG 101 LPGEAFVRRV HVWLYGANKV 121 DSKVFSRAIL ARSAGIQTVA 141 CIPVNDGVLE IGTTEKVEED 161 IGLIQYARSI FMDQIGAHIM 181 PTLSGHSIPP PQPHTSIISH 201 SRQKWAALVT |
| ***tan2-e* (CDS-1368 bp)**ATGGCGGCGGCCGGCGGCGAGGCCGTGCAGAAGGCGCTGCAGTCGGTGGCACAGAGCACGGGGTGGACGTACAGCCTCCTCTGGCGCCTCTGCCCGCGCCAAGGCGCGCTGGTGTGGGCGGAGGGCCACTACAACGGCGCCATCAGGACGCGCAAGACGACGCAGCAGCAGCAGCAGCAGGTGGTGGTGGTGGTGCCTCCGCCTCGCCGGCCCACCGCCGCGCTGGCGCCCGAGGACCTCACGGAGACTGAGTGGTTCTACCTCATGTGCGCCTCCTACTGCTTCCCTCCTGCCGTCGGGTTGCCTGGGGAGGCATTTGTAAGGAGAGTTCATGTGTGGCTATACGGGGCAAACAAAGTTGACAGCAAAGTGTTCTCAAGAGCAATTCTCGCTAGGAGTGCAGGCATCCAGACAGTAGCATGCATTCCAGTCAACGATGGTGTCCTGGAAATTGGAACTACAGAGAAGGTAGAAGAAGACATTGGTTTAATTCAATATGCTAGGAGTATCTTCATGGATCAAATTGGCGCCCACATAATGCCTACCCTCTCAGGCCATTCAACTTCCACCGCCCCAACCACACACATCAATCATCAGCCATTCCAGACAAAAATGGGCTGCATTGGTGACATAAATGTGCAGAAAACTAGTCACAATTCAGGAGACGAGCACCATAACGAAATGGAAGACGATGGCGACGTCAGAATTGACTTATTACAGACCAATACTGGAAATGATTCAAGCCGGCATTCGCCACAGGACACTAATGTAGGCAATGAGCAGGGAACCCTCAATGCAGGGAGCAGTGAGCTGATGCTGACTGGGACGTCAGAAAGGGTAAGAGATGGTTGTTCAAAGCAAGAGGATGAAGAGATACCAGTGCTTATGGTTTGCCAGAACAACGGTAATCTGGTAGCGCAGGATGAATTTGGTCCATGGCATGATTTTGTCGACGAAGACCTAAGCAGTAAATACCTACAATCCTCAGCGGCAGAAGATCAAGCAGTACTAGCGGAGAACGCACACTACGTCGAAACGGTCCTGGCAATCTTACGGTTCAATGCGTCCCGGCAAACCCAAGCAGCCTCATCAAACACCAAAGCCTACCTGGCACTCTCCAAGAACTCGTCATTTTCAAGATGGACCACCAGCTGGAACCACAAGGCAAGCAACAATGATCTTCAGAGCATGTTGATCCCTGATGATGAAGGCGCCCCACAGAGACTGCTCAAGAGCATCCTGCTCGGTGCCCCTAGCAGCAGCAGTCACCCGAGTTACAAAGGAGCTGACGCCGCCGTCCATTCGTCACCGGAGCCGAGAGACGACGGCGAAGGCACCAGCCGGTCTCGGAGAGCGCCGCCGGTCTAG**tan2-e (protein-455 aa)**1 MAAAGGEAVQ KALQSVAQST 21 GWTYSLLWRL CPRQGALVWA 41 EGHYNGAIRT RKTTQQQQQQ 61 VVVVVPPPRR PTAALAPEDL 81 TETEWFYLMC ASYCFPPAVG 101 LPGEAFVRRV HVWLYGANKV 121 DSKVFSRAIL ARSAGIQTVA 141 CIPVNDGVLE IGTTEKVEED 161 IGLIQYARSI FMDQIGAHIM 181 PTLSGHSTST APTTHINHQP 201 FQTKMGCIGD INVQKTSHNS 221 GDEHHNEMED DGDVRIDLLQ 241 TNTGNDSSRH SPQDTNVGNE 261 QGTLNAGSSE LMLTGTSERV 281 RDGCSKQEDE EIPVLMVCQN 301 NGNLVAQDEF GPWHDFVDED 321 LSSKYLQSSA AEDQAVLAEN 341 AHYVETVLAI LRFNASRQTQ 361 AASSNTKAYL ALSKNSSFSR 381 WTTSWNHKAS NNDLQSMLIP 401 DDEGAPQRLL KSILLGAPSS 421 SSHPSYKGAD AAVHSSPEPR 441 DDGEGTSRSR RAPPV |
| ***tan2-f* (CDS-1389 bp)**ATGGCGGCGGCCGGCGGCGAGGCCGTGCAGAAGGCGCTGCAGTCGGTGGCGCAGAGCACGGGGTGGACGTACAGCCTCCTCTGGCGCCTCTGCCCGCGCCAAGGCGCGCTGGTGTGGGCGGAGGGCCACTACAACGGCGCCATCAGGACGCGCAAGACGACGCAGCAGCAGCAGCAGCAGGTGGTGGTGGTGGTGCCTCCGCCTCGCCGGCCCACCGCCGCGCTGGCGCCCGAGGACCTCACGGAGACTGAGTGGTTCTACCTCATGTGCGCCTCCTACTGCTTCCCTCCTGCCGTCGGGTTGCCTGGGGAGGCATTTGTAAGGAGAGTTCATGTGTGGCTATACGGGGCAAACAAAGTTGACAGCAAAGTGTTCTCAAGAGCAATTCTCGCTAGGAGTGCAGGCATCCAGACAGTAGCATGCATTCCAGTCAACGATGGTGTCCTGGAAATTGGAACTACAGAGAAGGTAGAAGAAGACATTGGTTTAATTCAATATGCTAGGAGTATCTTCATGGATCAAATTGGCGCCCACATAATGCCTACCCTCTCAGGCCATTCAACTTCCACCGCCCCAACCACACACATCAATCATCAGCCATTCCAGACAAAAATGGGCTGCATTGGTGACATAAATGTGCAGAAAACTAGTCACAATTCAGGAGACGAGCACCATAACGAAATGGAAGACGATGGCGACGTCAGAATTGACTTATTACAGACCAATACTGGAAATGATTCAAGCCGGCATTCGCCACAGGACACTAATGTAGGCAATGAGCAGGGAACCCTCAATGCAGGGAGCAGTGAGCTGATGCTGACTGGGACGTCAGAAAGGGTAAGAGATGGTTGTTCAAAGCAAGAGGATGAAGAGATACCAGTGCTTATGGTTTGCCAGAACAACGGTAATCTGGTAGCGCAGGATGAATTTGGTCCATGGCATGATTTTGTCGACGAAGACCTAAGCAGTAAATACCTACAATCCTCAGCGGCAGAAGATCAAGCAGTACTAGCGGAGAACGCACACTACGTCGAAACGGTCCTGGCAATCTTACGGTTCAATGCGTCCCGGCAAACCCAAGCAGCCTCATCAAACACCAAAGCCTACCTGGCACTCTCCAAGAACTCGTCATTTTCAAGATGGACCACCAGCTGGAACCACAAGGCAAGCAACAATGATCTTCAGAGCATGTTGATCCCTGATGATGAAGGCGCCCCACAGAGACTGCTCAAGAGCATCCTGCTCGGTGCCCCTAGCAGCAGCAGTCACCCGAGTTACAAAGGAGCTGACGCCGCCGTCCAGTCGTCACCGGAGCCGAGAGACGACGGCGAAGGCACCAGCCGGTCTCGGAGAGCGCCGCCGGTCCAGCCAGCTGAGCTGATCAGCTGA**tan2-f (protein-462 aa)**1 MAAAGGEAVQ KALQSVAQST 21 GWTYSLLWRL CPRQGALVWA 41 EGHYNGAIRT RKTTQQQQQQ 61 VVVVVPPPRR PTAALAPEDL 81 TETEWFYLMC ASYCFPPAVG 101 LPGEAFVRRV HVWLYGANKV 121 DSKVFSRAIL ARSAGIQTVA 141 CIPVNDGVLE IGTTEKVEED 161 IGLIQYARSI FMDQIGAHIM 181 PTLSGHSTST APTTHINHQP 201 FQTKMGCIGD INVQKTSHNS 221 GDEHHNEMED DGDVRIDLLQ 241 TNTGNDSSRH SPQDTNVGNE 261 QGTLNAGSSE LMLTGTSERV 281 RDGCSKQEDE EIPVLMVCQN 301 NGNLVAQDEF GPWHDFVDED 321 LSSKYLQSSA AEDQAVLAEN 341 AHYVETVLAI LRFNASRQTQ 361 AASSNTKAYL ALSKNSSFSR 381 WTTSWNHKAS NNDLQSMLIP 401 DDEGAPQRLL KSILLGAPSS 421 SSHPSYKGAD AAVQSSPEPR 441 DDGEGTSRSR RAPPVQPAEL 461 IS\* |
| ***tan2-g* (CDS-2046 bp)**ATGGCGGCGGCCGGCGGCGAGGCCGTGCAGAAGGCGCTGCAGTCGGTGGCACAGAGCACGGGGTGGACGTACAGCCTCCTCTGGCGCCTCTGCCCGCGCCAAGGCGCGCTGGTGTGGGCGGAGGGCCACTACAACGGCGCCATCAGGACGCGCAAGACGACGCAGCAGCAGCAGCAGCAGGTGGTGGTGGTGGTGCCTCCGCCTCGCCGGCCCACCGCCGCGCTGGCGCCCGAGGACCTCACGGAGACTGAGTGGTTCTACCTCATGTGCGCCTCCTACTGCTTCCCTCCTGCCGTCGGGTTGCCTGGGGAGGCATTTGTAAGGAGAGTTCATGTGTGGCTATACGGGGCAAACAAAGTTGACAGCAAAGTGTTCTCAAGAGCAATTCTCGCTAGGAGTGCAGGCATCCAGACAGTAGCATGCATTCCAGTCAACGATGGTGTCCTGGAAATTGGAACTACAGAGAAGGTAGAAGAAGACATTGGTTTAATTCAATATGCTAGGAGTATCTTCATGGATCAAATTGGCGCCCACATAATGCCTACCCTCTCAGGCCATTCAACTTCCACCGCCCCAACCACACACATCAATCATCAGCCATTCCAGACAAAAATGGGCTGCATTGGTGACATAAATGTGCAGAAAACTAGTCACAATTCAGGAGACGAGCACCATAACGAAATGGAAGACGATGGCGACGTCAGAATTGACTTATTACAGACCAATACTGGAAATGATTCAAGCCGGCATTCGCCACAGGACACTAATGTAGGCAATGAGCAGGGAACCCTCAATGCAGGGAGCAGTGAGCTGATGCTGACTGGGACGTCAGAAAGGGTAAGAGATGGTTGTTCAAAGCAAGAGGATGAAGAGATACCAGTGCTTATGGTTTGCCAGAACAACGGTAATCTGGTAGCGCAGGATGAATTTGGTCCATGGCATGATTTTGTCGACGAAGACCTAAGCAGTAAATACCTACAATCCTCAGCGGCAGAAGATCAAGCAGTACTAGCGGAGAACGCACACTACGTCGAAACGGTCCTGGCAATCTTACGGTTCAATGCGTCCCGGCAAACCCAAGCAGCCTCATCAAACACCAAAGCCTACCTGGCACTCTCCAAGAACTCGTCATTTTCAAGATGGACCACCAGCTGGAACCACAAGGCAAGCAACAATGATCTTCAGAGCATGTTGATCCCTGATGATGAAGGCGCCCCACAGAGACTGCTCAAGAGCATCCTGCTCGGTGCCCCTAGCAGCAGCAGTCACCCGAGTTACAAAGGAGCTGACGCCGCCGTCCAGTCGTCACCGGAGCCGAGAGACGACGGCGAAGGCACCAGCCGGTCTCGGAGAGCGCCGCCGGTCCAGCCAGCTGAGCTGAGTGCCAGCCATGTTCTCAAGGAGCGGCGGCGGAGGGAGAAGCTCAACGAGAGGTTCGTCATGCTTCGGTCCTTGGTGCCCTTCGTCACAAAGATGGACAGGGCGTCGATCCTGGGCGACACGATCGAGTACGTGAAGCAGCTACGGAGACGCATCCAGGAGCTCGAGTCGTCACGAGGTCGGCTGGTCGACAGCAACCGGCCGAGGACGACGGCGATGGCGGTGGCGCAGCTGGTGGCGCCGCCGCCGGCAGCCTCAACGGAGACGACGAGGAGAGGTCATCACACGAGCGGCGGTTACCTCGCGCGCGCAGGTACCGGCACAGGCACAGGCACAGCAGCGGAAGCGAGCGCTAGCGGCAGCTGCTGCAACAGCAGCGTCGGGGAGCACGAGCATCATCTGGCGGGTGACACGGAGGTGCAGGTGTCCATCATCGGGAGCGACGCGCTGCTGGAGCTCCGGTGCCCGCACAGGGAGGGGCTCCTCCTCCGGGTCATGCAGGCGCTGCACCAGGAGCTCCGGCTGGAGGTCACCTCCGTCCAGGCCTCGTCAGCCGGCGACGTGCTACTTGCAGAGCTGCGTGCCAAGGTGAAGGAGGTGCATGGCAGGAGGAGCAGCATCACTGAAGTCAAGAGAGCAATTCATCTAATCGTTTCATCAGACTGA**tan2-g (protein-681 aa)**1 MAAAGGEAVQ KALQSVAQST 21 GWTYSLLWRL CPRQGALVWA 41 EGHYNGAIRT RKTTQQQQQQ 61 VVVVVPPPRR PTAALAPEDL 81 TETEWFYLMC ASYCFPPAVG 101 LPGEAFVRRV HVWLYGANKV 121 DSKVFSRAIL ARSAGIQTVA 141 CIPVNDGVLE IGTTEKVEED 161 IGLIQYARSI FMDQIGAHIM 181 PTLSGHSTST APTTHINHQP 201 FQTKMGCIGD INVQKTSHNS 221 GDEHHNEMED DGDVRIDLLQ 241 TNTGNDSSRH SPQDTNVGNE 261 QGTLNAGSSE LMLTGTSERV 281 RDGCSKQEDE EIPVLMVCQN 301 NGNLVAQDEF GPWHDFVDED 321 LSSKYLQSSA AEDQAVLAEN 341 AHYVETVLAI LRFNASRQTQ 361 AASSNTKAYL ALSKNSSFSR 381 WTTSWNHKAS NNDLQSMLIP 401 DDEGAPQRLL KSILLGAPSS 421 SSHPSYKGAD AAVQSSPEPR 441 DDGEGTSRSR RAPPVQPAEL 461 SASHVLKERR RREKLNERFV 481 MLRSLVPFVT KMDRASILGD 501 TIEYVKQLRR RIQELESSRG 521 RLVDSNRPRT TAMAVAQLVA 541 PPPAASTETT RRGHHTSGGY 561 LARAGTGTGT GTAAEASASG 581 SCCNSSVGEH EHHLAGDTEV 601 QVSIIGSDAL LELRCPHREG 621 LLLRVMQALH QELRLEVTSV 641 QASSAGDVLL AELRAKVKEV 661 HGRRSSITEV KRAIHLIVSS 681 D\* |