## Appendix II.

## Sequencing of the new Turkish samples


#### Abstract

>Urotrichus_talpoides_EU918371_He_et_al_2016 GATTTACCAGCACCCTCAAATATTTCATCATGATGAAACTTCGGTTCACTATTAGGAATC TGCTTAATTCTACAAATTCTAACAGGTTTATTCTTAGCAATACATTATACATCAGACACA ATAACAGCATTTTCATCAGTAACCCATATCTGCCGAGACGTTAATTACGGCTGACTAATT CGATATTTACACGCCAATGGAGCATCCATATTTTTCATCTGCTTATTCCTACACGTAGGA CGAGGATTATATTATGGGTCCTATATATTTATAGAGACATGAAATATTGGGGTGATTTTA CTATTTGCTGTAATAGCCACCGCATTTATAGGATACGTTTTACCATGAGGCCAAATATCC TTTTGAGGAGCAACAGTAATTACAAATCTACTTTCTGCTATCCCCTATATCGGCACCGAC CTAGTAGAATGAATCTGAGGGGGTTTTTCAGTAGACAAAGCCACCCTCACCCGATTTTTC GCCTTCCACTTTATTCTACCATTTGTAATTGCCGCCCTAGCTGGAGTACACTTATTATTT CTTCACGAAACAGGCTCTAATAACCCTTCCGGACTTACATCAGACTCAGACAAAATCCCA TTTCACCCTTACTACACAATTAAAGATATTTTAGGAGTGCTAATTCTAATTCTAGTATTA TCCTCCCTAGTACTATTCTCACCCGACCTCCTAGGAGACCCAGACAACTACATCCCAGCA AACCCACTAAATACCCCTCCCCATATTAAACCAGAATGATATTTCCTATTTGCATACGCA ATCCTACGATCAATCCCAAATAAATTAGGAGGAGTACTAGCCCTCGTATTTTCAATCCTA ATCCTAGCCTTAATACCACTATTACACACTTCAAAACAACGAAGCATAATATTCCGACCA ATCAGCCAATGCTTATTCTGACTATTGGTAGCAGACCTATTTACCCTTACATGAATTGGA GGCCAACCTGTAGAACACCCATTTATTATTATCGGCCAATTAGCCTCTATTCTATACTTT


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GACCTACCAGCACCĀTCAAATATTTCATCGTGATGĀAACTTCGGCTCACTATTAGGAATC TGCCTAATCCTACAAATCCTCACAGGACTATTCCTAGCCATACACTACACATCAGACACA ATAACAGCCTTCTCATCAGTAACACACATCTGCCGAGACGTAAATTACGGCTGACTTATC CGATATTTACACGCAAACGGAGCATCTATATTTTTCATCTGCCTATTTATACACGTAGGA CGGGGTCTATATTACGGGTCCTACCTATTCATAGAAACCTGGAACATTGGAGTACTACTA CTATTCGCCGTAATAGCCACTGCATTCATAGGGTACGTTTTACCATGGGGTCAAATATCC TTTTGAGGTGCAACGGTAATTACAAATTTACTGTCAGCCATCCCCTACATCGGAACAGAA TTAGTGGAGTGGATCTGAGGGGGCTTCTCCGTAGATAAAGCCACACTAACCCGATTCTTT GCTTTCCACTTTATTATACCATTCATTATTGCAGCACTTGCTGGAGTCCACTTACTATTT CTACACGAAACAGGTTCCAACAATCCATCCGGACTCTCATCAGATACAGACAAAATCCCA TTTCACCCCTACTATACTATCAAAGACATTCTAGGAATACTAGTCCTAATCCTAATACTA TCATTACTAGTACTCTTCTCACCTGACCTCCTAGGAGACCCAGACAATTACACACCAGCT AACCCACTAAACACACCACCCCACATCAAACCCGAATGGTATTTCCTATTTGCCTATGCT ATCCTACGATCAATCCCTAATAAACTAGGAGGTGTTCTAGCCTTAGTATTTTCAATTCTA ATCCTAGCACTAATTCCATTCCTACATACTTCAAAACAACGAAGTATGATATTTCGACCT ATAAGCCAATGCTTATTCTGACTACTAGTTGCAGACCTACTCACCCTAACATGAATCGGA GGACAACCCGTAGAACATCCATTCATCACCATCGGCCAACTGGCATCAATCCTATATTTC TTACTTATCCTAGTACTCATGCC
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>Talpa caeca FN640560 Montenegro Niksic Colangelo et al 2010 GACCTAC̄CAGCAC̄CATCAAACĀTCTCATCATGATGAAACTTCGGCTCAC $\bar{T} C C \bar{T} A G \bar{G} A A T T$ TGCTTAATTCTTCAAATTCTCACAGGGTTATTCCTAGCTATACACTATACATCAGACACA ATAACAGCCTTCTCTTCAGTCACACATATTTGCCGAGACGTGAATTACGGCTGACTCATC CGATACCTACACGCAAACGGAGCATCCATATTTTTCATTTGTTTATTTCTACATGTAGGA CGAGGCCTATACTATGGATCCTACATATTTATAGAGACCTGAAATATCGGGGTATTACTA CTATTTGCTGTCATAGCCACCGCATTCATAGGGTACGTTTTACCATGGGGTCAAATATCC TTTTGAGGTGCAACGGTAATTACAAATTTACTGTCAGCCATTCCCTACATCGGAACAGAC TTAGTAGAATGAATTTGAGGCGGGTTTTCAGTGGATAAAGCAACACTCACACGATTCTTC GCCTTCCATTTTATCCTACCATTTATCATTGCAGCACTAGCTGGAGTCCATCTACTATTC CTTCATGAAACAGGATCAAACAACCCATCAGGACTTTCATCAGACACGGACAAAATTCCA TTCCACCCCTACTACACTATCAAAGACATCCTAGGAGCACTAATCCTAATTCTAGCCCTA TCATCATTGGTACTATTTTCACCCGACCTACTAGGAGATCCAGACAACTACATCCCAGCA AACCCACTAAACACACCACCCCATATTAAACCAGAATGATATTTCCTATTTGCCTATGCC ATTTTACGATCGATNCCCAATAAACTAGGAGGCGTACTAGCCCTAGTATTCTCAATCCTA GTACTAGCATTAATACCATTCTTACACACTTCTAAACAACGAAGTATAATATTCCGACCC ATCAGCCAATGCTTATTCTGACTACTAGTGGCAGACCTATTTACTCTCACATGAATTGGA GGACAACCTGTAGAACACCCGTTCATTATTATCGGTCAACTAGCATCCATCCTGTACTTC CTACTCATCCTAGTGCTTATACC
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>Talpa_levantis_transcaucasica_KP717346_Russia_Adygea
NNNNNNNNNNNNNNNN̄CAAACATCTCATCATGATGAAACTTTGGCT $\bar{C} A C T A C T G G G A A T C ~$ TGCCTAATCCTCCAAATTCTCACAGGGCTATTCTTAGCTATACACTATACATCAGACACA ATAACAGCCTTCTCATCAGTCACACACATTTGCCGAGACGTGAATTACGGCTGACTCATT CGATACTTACACGCAAACGGAGCATCCATATTCTTTATTTGCCTATTCCTGCATGTAGGA CGAGGTCTATACTACGGATCCTACATATTTNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNN
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CTATTTGCCGTAATAGCCACTGCATTCATAGGGTACGTTTTACCATGGGGTCAAATATCC TTTTGAGGTGCAACGGTAATTACAAATTTACTGTCAGCCATTCCTTACATCGGAACAGAC TTAGTAGAATGGATCTGAGGAGGGTTCTCAGTAGACAAAGCCACACTCACACGATTCTTC GCCTTCCACTTCATTTTACCATTTATCATTGCAGCACTAGCCGGAGTACACCTACTATTT CTCCACGAAACAGGATCAAACAACCCATCCGGACTCTCATCAGACACAGACAAAATTCCT TTTСАТСССТАСТАСАСТАТСАAAGACATCCTAGGAGCGTTAATCCTAATCCTAGCTCTA TCATCACTAGTACTGTTCTCACCCGACCTACTAGGAGACCCAGACAACTACATTCCAGCA AACCCACTAAACACACCACCACATATTAAACCCGAATGATACTTCCTATTTGCCTATGCT ATCCTACGATCAATTCCTAATAAACTAGGAGGTGTGCTAGCCCTAGTATTCTCAATCCTA GTACTAGCATTAATGCCGTTTCTACATACTTCAAAACAACGAAGTATAATATTCCGACCA ATCAGCCAATGCTTATTCTGACTACTAGTAGCAGACCTATTTACTCTCACATGAATTGGA GGACAACCTGTAGAACACCCATTCATTATCATCGGCCAATTAGCATCTATCCTATACTTC TTACTCATCCTAGTACTTATACC
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GATCTA $\bar{C} C A G C A C \bar{C} A T C A A A T A \bar{T} C T C A T C A T G A T \bar{G} A A \bar{A} C T \bar{T} C G G C T C A C T C C T G G G A A T C ~$ TGCCTGATTATCCAAATCCTTACAGGGTTGTTCCTAGCTATACACTACACAGCAGACACA ATGACAGCCTTCTCATCAGTCACACACATTTGCCGGGACGTGAATTACGGCTGACTTATT CGATACTTACACGCAAACGGAGCATCTATATTTTTCATTTGCTTATTTCTACATGTAGGA CGAGGCTTGTACTACGGGTCTTATATATTCATAGAAACCTGAAACATCGGAGTGCTATTA CTATTCGCTGTGATAGCCACCGCATTCATAGGGTACGTTTTACCATGGGGTCAAATATCC TTTTGAGGTGCAACGGTAATTACAAATTTACTGTCAGCCATTCCCTACATCGGAACAGAC TTAGTAGAATGAATTTGAGGCGGGTTTTCAGTGGATAAAGCAACACTCACACGATTCTTC

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TCATCATTAGTATTATTTTCACCTGACCTTCTAGGAGACCCAGATAACTACATTCCAGCA AACCCACTAAACACACCACCCCATATCAAACCCGAGTGATATTTCCTATTTGCATATGCC ATCCTACGGTCAATTCCTAACAAACTAGGAGGTGTACTAGCCCTAGTGTTCTCAATCCTA GTACTAGCACTTATACCATTCTTACACACTTCAAAACAACGAAGTATAATATTCCGACCC ATCAGCCAGTGCCTATTCTGATTACTAGTAGCAGACTTATTTACCCTCACATGAATTGGA GGACAACCCGTAGAACACCCATTCATTATCATCGGCCAACTGGCATCCATCCTATACTTC TCGCTTATTCTAGTACTCATACC
>Talpa_stankovici_FJ688089_Greece_Chelmos_Tryfonopoulos_et_al_2010 GACCTACCAGCACCATCĀAACATCTCATCATGATGAAACTTCGGCTCACTATTAGGAATC TGCCTAATCCTTCAAATTCTTACAGGACTTTTCCTAGCTATACACTACACATCAGACACA ATAACAGCCTTCTCGTCAGTCACACACATTTGCCGAGACGTGAATTATGGCTGACTCATT CGATATATACACGCAAACGGAGCATCCATATTCTTTATTTGCTTATTCCTGCACGTAGGA CGAGGTTTATACTACGGATCCTATATATTTATAGAGACCTGAAACATCGGGGTATTACTA TTATTTGCCGTGATAGCTACCGCATTCATAGGGTATGTTTTACCATGGGGTCAAATATCC TTTTGAGGTGCAACGGTAATTACAAATTTATTGTCAGCCATTCCTTACATCGGAACGGAC TTAGTAGAATGGATCTGAGGTGGGTTCTCGGTAGACAAAGCTACACTCACACGATTCTTT GССТТССАСТТСАТССТАССАТTСАТСАTCGCAGCACTAGCTGGAGTTCACCTACTATTC CTCCACGAAACAGGATCAAACAATCCATCAGGGCTTTCATCAGACACAGACAAAATTCCA TTTCACCCCTACTACACCATCAAAGATATCCTAGGAGCATTAATTCTAATTCTAGCCCTA TCATCATTAGTACTATTTTCGCCCGACCTATTAGGAGATCCAGACAACTACATCCCAGCA AACCCACTAAATACACCACCCCATATTAAACCCGAANNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNN
>Talpa_stankovici_FJ688094_Greece_Kosmira_Tryfonopoulos_et_al_2010 GACCTACCAGCACCATCAAACATCTCGTCATGATGAAATTTCGGTTCACTATTAGGAATT TGCCTAATTCTTCAAATTCTTACAGGACTATTTCTAGCCATACCCTATACATCAGACACA ACAACAGCCTTCTCATCGGTCACACACATCTGCCGAGACGTTAATTACGGCTGACTTATT CGATATATACACGCAAACGGAGCATCCATATTCTTCATTTGCTTATTCCTGCACGTAGGA CGAGGTTTATACTACGGGTCCTATATATTTATAGAGACCTGAAACATCGGGGTACTACTA TTATTTGCCGTAATAGCCACCGCATTCATAGGGTACGTTTTACCGTGGGGTCAAATATCC TTTTGAGGTGCAACGGTAATTACAAATTTATTGTCAGCCATTCCTTACATCGGAACGGAC TTAGTAGAATGGATCTGAGGTGGATTCTCAGTGGACAAAGCTACACTCACACGATTCTTT GCCTTCCACTTCATCCTACCATTTATCATTGCGGCACTAGCTGGAGTCCACCTACTATTC CTTCACGAAACAGGATCAAACAACCCATCAGGACTTTCATCGGATACAGACAAAATTCCA TTTCACCCСTACTACACTATCAAAGATATCCTAGGAGCATTAACACTAATCCTAGTCTTA TCATCATTAGTACTATTCTCACCCGACCTATTAGGAGATCCAGACAACTACATCCCAGCA AACCCACTAAATACACCACCCCATATTAAACCCGAGNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNN
>Talpa_stankovici_FJ688098_Greece_Gravia_Tryfonopoulos_et_al_2010 NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNCACTATTAGGAATC TGCCTAATCCTTCAAATTCTTACAGGTCTATTCCTAGCTATACACTACACATCAGACACA ATAACAGCCTTCTCGTCAGTCACACACATTTGCCGAGACGTTAATTATGGCTGACTTATT CGATATATACACGCAAACGGAGCATCCATATTCTTTATTTGCTTATTCCTGCACGTAGGA CGAGGTTTATACTACGGGTCCTATATATTCATAGAAACCTGAAACATCGGGGTATTACTA TTATTTGCCGTAATAGCCACCGCATTCATAGGGTATGTTTTACCGTGGGGTCAAATATCC TTTTGAGGTGCAACGGTAATTACAAATTTACTGTCAGCCATTCCTTATATCGGAACGAAC TTAGTAGAATGAATCTGAGGTGGGTTCTCAGTAGACAAGGCTACACTTACACGATTTTTT GCCTTCCACTTCATCTTACCATTTATCATTGCAGCACTAGCTGGAGTCCACCTACTATTC CTCCACGAAACAGGATCAAATAACCCATCAGGACTTTCATCAGACACAGACAAAATTCCA TTTCACCCCTACTATACCATCAAGGATATCCTGGGAGCATTAATCCTAATTCTAGCCCTA TCATCGTTAGTACTATTTTCCCCCGACCTATTGGGAGACCCAGACAACTACATCCCAGCA AACCCACTAAACACACCACCCCATNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN

NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNNN NNNNNNNNNNNNNNNNNNNNNNN
>Talpa_stankovici_KP717347_Macedonia_Bannikova_et_al_2015 GACCTACCAGCACCATCAAACATCTCGTCATGATGAAATTTCGGTTCACTATTAGGAATT TGCCTAATTCTTCAAATTCTTACAGGACTATTTCTAGCTATACACTATACATCAGACACA ACAACAGCCTTCTCATCGGTCACACACATCTGCCGAGACGTTAATTACGGCTGACTTATT CGATATATACACGCAAACGGAGCATCCATATTCTTCATTTGCTTATTCCTGCACGTAGGA CGAGGTTTATACTACGGGTCCTATATATTTATAGAGACCTGAAACATCGGGGTACTACTA TTATTTGCCGTAATAGCCACCGCATTCATAGGGTACGTTTTACCGTGGGGTCAAATATCC TTTTGAGGTGCAACGGTAATTACAAATTTATTGTCAGCCATTCCTTACATCGGAACGGAC TTAGTAGAATGGATCTGAGGTGGATTCTCAGTGGACAAAGCTACACTCACACGATTCTTT GCCTTCCACTTCATCCTACCATTTATCATTGCGGCACTAGCTGGAGTCCACCTACTATTC CTTCACGAAACAGGATCAAACAACCCATCAGGACTTTCATCGGATACAGACAAAATTCCA TTTCACCCCTACTACACTATCAAAGATATCCTAGGAGCATTAATACTAATCCTAGTCTTA TCATCATTAGTACTATTCTCACCCGACCTATTAGGAGATCCAGACAACTACATCCCAGCA AACCCACTAAATACACCACCCCATATTAAACCCGAGTGATATTTCCTATTCGCTTACGCT ATCCTACGATCAATTCCTAATAAACTAGGAGGTGTACTAGCCCTAGTATTCTCTATCCTA GTACTAGCATTAATACCATTTTTACATACTTCAAAACAACGAAGCATAATATTTCGACCT ATCAGCCAATGCTTATTCTGACTACTAGTAGCAGACCTATTTACTCTCACATGAATTGGA GGACAACCCGTAGAACACCCATTCATCATCATCGGCCAACTGGCATCCATCCTGTACTTC CTACTCATTCTAGTATTTATGCC
>Talpa_stankovici_KP717348_Macedonia_Bannikova_et_al_2015 GACCTACCAACACCATCAAACATCTCGTCATGATGAAATTTCGGTTCACTATTAGGAATT TGCCTAATTCTTCAAATTCTTACAGGACTATTTCTAGCTATACACTATACATCAGACACA ACAACAGCCTTCTCATCGGTCACACACATCTGCCGAGACGTTAATTACGGCTGACTTATT CGATATATACACGCAAACGGAGCATCCATATTTTTCATTTGCTTATTCCTGCACGTAGGA CGAGGTTTATACTACGGGTCCTATATATTTATAGAGACCTGAAACATCGGGGTACTACTA TTATTTGCCGTAATAGCCACCGCATTCATAGGGTACGTTTTACCGTGGGGTCAAATATCC TTTTGAGGTGCAACGGTAATTACAAATTTATTGTCAGCCATTCCTTACATCGGAACGGAC TTAGTAGAATGGATCTGAGGTGGATTCTCGGTGGACAAAGCTACACTCACACGATTCTTT GCCTTCCACTTCATTCTACCATTTATCATCGCAGCACTAGCTGGAGTCCACCTACTATTC CTTCACGAAACAGGATCAAACAACCCATCAGGACTTTCATCGGACACAGACAAAATTCCA TTTCWCCCCTACTACACTATCAAAGATATTCTAGGAGCATTAATACTAATACTAGTCTTA TCATCATTAGTACTATTCTCACCCGACCTACTAGGAGATCCAGACAACTACATCCCAGCA AACCCACTAAATACACCACCCCATATTAAACCCGAGTGATATTTCCTATTCGCTTACGCT ATCCTACGATCAATTCCTAATAAACTAGGAGGTGTACTAGCCCTAGTATTCTCTATCCTA GTACTAGCATTAATACCATTTTTACATACCTCAAAACAACGAAGCATAATATTTCGACCT ATCAGCCAATGCTTATTCTGGCTACTAGTAGCAGACCTATTTACTCTCACATGAATTGGA GGACAACCCGTAGAACACCCATTCATCATCATTGGCCAACTGGCATCCATCCTGTACTTC CTACTCATCCTAGTATTTATGCC

