

Partial sequence of the asexually expressed SU rRNA gene of *Plasmodium vivax*

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We report here the partial sequence of the asexually expressed SU rRNA gene from the human pathogen *Plasmodium vivax*. The sequence is derived from a Hind III genomic DNA clone isolated by screening with radiolabelled insert of the corresponding gene from *P. berghei*. The justification for the publication of a partial gene sequence lies in the fact that *P. vivax* can only be propagated for research purposes in chimpanzees, consequently DNA from this source is extremely rare. The coding region shown here is 1612 bp in length and ends at a conserved Hind III site which is located just 3' of the stem loop 41 according to De Wachter's nomenclature (1). Alignment of the sequence with the corresponding genes from *P. falciparum*, *P. berghei*, *P. lophuriae* and *P. gallinaceum* shows that the majority of the sequence is conserved and can be aligned into a *Plasmodium* core sequence. Outside the core sequence there are four major regions which are species specific. These are located at positions 174-221, 646-788, 1115-1154 and 1452-1587.

The accession number for the entry of this sequence in the EMBL database is X13926.

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1   AACCTGGTTGATCTTGGCCAGTAGTCATATGCTGTCTCAAAGATAAAGCCATGCAAGTGAAAGTATATGCATATTTATATGAGAACCTCGCACCGGCTC
121  ACTTGACATTTCTATATAAGGATAACTACGGAAAGTGATCTAATACTGCTTACCTCTGATTCTTGACTGTGACTCTGTTAGGCTTT
241  TTAAAGGAATTATAACAAAGGACACGTATGGATCCGCTTATTTAGTGTATCAATCGAGTTCTGACCTATCACGTTGATGTTAGGGTATTG
361  GGTAAACGGGAATTAGAGTCGATTCGGAGGGAGGCTGAGAAATAGCTACCACATCTAAGGAGGCCAGGGCGCTAAATTACCCAACTCTAAAGAA
481  TAACAAATCACGGCCAAATCTGGCTTTGTATTTGGAAATTTAAACCTCCAAAATCTCAATTGGGGCAAGTCGTTGCCCCAGGGCGGT
601  TATATAAAATTGTTGAGCTTAACGGCTCGTAGTGTGAAATTCAAGAATCGATAATTAAAGCAACGCTTCTAGCTTAATCCACATACTGTAACTCGTA
721  GCTATTATGTTCTTTTAAATTAAAGTATTCTTCTTCTTCTGGAAGTCTCTGGAAACTCTTGTAACTTTGAGATAATTAGAGTGTCTCAAGC
841  CGGTTGAATAACTACAGCATGGAAATACAATGACAGTCGAAATTTCCTCTTCTTCTTCTGCTTACGATTAATAGGAGTACCTGGG
961  CAGAGCTAAACTCTTCTAGATTCTTCTGGAGAACAAACTGGAAAGCATTGGCTAAATAACTTCCAAATTAAGAACGAAAGTAAAGGGAGTGAAGACG
1081  TTAAACCTAAACACTATGCCGACTAGGCTTGGATGAAAGATTAAATAAGAATTTCCTCTGGAGTTTCTTCTAGATTTGCTCTCTCAGTGGCTTATG
1201  TTCTGGGGGAGTTTCGGCAACGGAGAAGTTAAAGAATTGACGGGACACCCAGGGCTTGGAGCTTGGCGCTTAATTGACTCAACACCGGAAA
1321  GAGTAGGATTGACAGATTAAAGCTCTTCTGTTGAGTTGGATGCTGATGGCGTTTTAGTCGTAATGATTGCTGTTAATTCCGATAA
1441  CTAAATTGCGGCAAAACGATATATTCTTACGTGGGACTGAATTCTGGTGTATTGCTTACTTTGAGAAAAATTGGGAAACGTAACGTTCCCTTCCC
1561  TTCATACGTGTTCTTCTGGCTGAAGATGATTGCTGATTGCTTAAGCT 1612

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Reference.

Dams, E., L. Hendricks, Y. Van de Peer, J.-M. Neefs, G. Smits, I. Vandenbempt & R. De Wachter (1988) *Nucl. Acids Res.* **16.** r87 - r173.