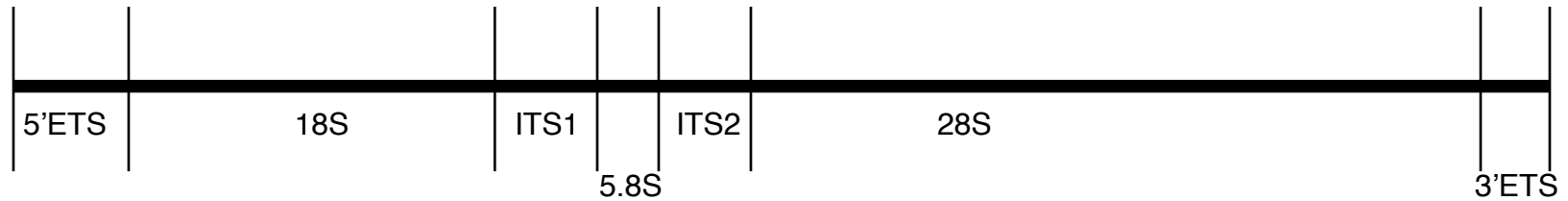


# Human 45S rDNA Map and Sequence



(map not to scale)

Clusters on 13p12, 14p12, 15p12, 21p12, 22p12

## 45S:

### 5'ETS

```
1 gctgacacgc tgtcctctgg cgacctgtcg tcggagaggt tgggcctccg gatgcgcgcg
61 gggctctggc ctcacggtga ccggtagcc ggccgcgctc ctgccttgag ccgctgccc
121 cggcccgcgg gcctgctggt ctctcgcgcg tccgagcgte ccgactcccg gtgcccggccc
181 gggtcccggg ctctgacce cccggggggc gcggggaagg cggcgagggc caccgtgccc
241 cgtgcgctct ccgctgcggg cggccggggc gcgcacaac cccaccgct ggctccgtgc
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421 atcgatgtgg tgacgtogtg ctctcccggg ccgggtccga gccgcgacgg gcgagggggc
481 gacgttcgtg gcgaacggga ccgtccttct cgctccgccc gcgcgggtccc ctogtctgct
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601 tcgccgtccc gcccgccgcc ttcgcttcgc ggggtgcggc cggcggggtc ctctgacgcg
661 gcagacagcc ctgcctgtcg cctccagtgg ttgtcgactt gcgggaggcc cccctccgcg
721 gcggtggggg tgccgtcccg ccggcccgtc gtgctgccct ctcggggggg gtttgcgcga
781 gcgtcggtc cgctggggc cttgcggtgc tcctggagcg ctccgggttg tcctcaggt
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1021 gagcgcacgt cccgtgctcc cctctggcgg gtgcgcgagg gccgtgtgag cgatcgcggg
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 1861 cccacggtgg gggcgcgcg gtctcccgga gcgggaccgg gtcggaggat ggacgagaat  
 1921 cacgagcgcac ggtggtggtg gcgtgtcggg ttctgtggtg cggctcgtcc ggggccccg  
 1981 gtggcggggc cccgggctc gcgaggcgg tctcggtggg ggccgagggc cgtccggcgt  
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18S

tacc

3661 tggttgatcc tgccagtagc atatgcttgt ctcaaagatt aagccatgca tgtctaagta  
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## ITS1

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## 5.8S

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## ITS2

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7921 gtccccctcc gaga

## 28S

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### 3'ETS

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