

Supplementary Fig 2. Multiple sequence alignment of the 16S rRNA sequences from *T. pallidum* ocular syphilis strains OS-4B, OS-12VF, OS-18VF, and the Nichols reference sequence (NC\_021490.2).

CLUSTAL O(1.2.4) multiple sequence alignment

TP_TPANICr0001_16RNA1	TCGAACGGCAAGGAAGCGAATTTTCGTTTCTCTAGAGTGGCGGACTGGTGAGTAACGCGT	60
OS-18-VID15_16sRNA	TCGAACGGCAAGGAAGCGAATTTTCGTTTCTCTAGAGTGGCGGACTGGTGAGTAACGCGT	60
OS-4_16sRNA	TCGAACGGCAAGGAAGCGAATTTTCGTTTCTCTAGAGTGGCGGACTGGTGAGTAACGCGT	60
OS-12-VID15_16sRNA	TCGAACGGCAAGGAAGCGAATTTTCGTTTCTCTAGAGTGGCGGACTGGTGAGTAACGCGT	60
	*****	
TP_TPANICr0001_16RNA1	GGGTAATCTGCCTTTGAGATGGGGATAGCCTCTAGAAATAGGGGGTAATACCGAATACGC	120
OS-18-VID15_16sRNA	GGGTAATCTGCCTTTGAGATGGGGATAGCCTCTAGAAATAGGGGGTAATACCGAATACGC	120
OS-4_16sRNA	GGGTAATCTGCCTTTGAGATGGGGATAGCCTCTAGAAATAGGGGGTAATACCGAATACGC	120
OS-12-VID15_16sRNA	GGGTAATCTGCCTTTGAGATGGGGATAGCCTCTAGAAATAGGGGGTAATACCGAATACGC	120
	*****	
TP_TPANICr0001_16RNA1	TCTTTTGGACGTAGGTCTTTGAGAGGAAAGGGGCTGCGGCCTCGCTCAGAGATGAGCCTG	180
OS-18-VID15_16sRNA	TCTTTTGGACGTAGGTCTTTGAGAGGAAAGGGGCTGCGGCCTCGCTCAGAGATGAGCCTG	180
OS-4_16sRNA	TCTTTTGGACGTAGGTCTTTGAGAGGAAAGGGGCTGCGGCCTCGCTCAGAGATGAGCCTG	180
OS-12-VID15_16sRNA	TCTTTTGGACGTAGGTCTTTGAGAGGAAAGGGGCTGCGGCCTCGCTCAGAGATGAGCCTG	180
	*****	
TP_TPANICr0001_16RNA1	CGACCCATTAGCTTGTGGTGGGGTAATGGCCTACCAAGGCGTCGATGGGTATCCGACCT	240
OS-18-VID15_16sRNA	CGACCCATTAGCTTGTGGTGGGGTAATGGCCTACCAAGGCGTCGATGGGTATCCGACCT	240
OS-4_16sRNA	CGACCCATTAGCTTGTGGTGGGGTAATGGCCTACCAAGGCGTCGATGGGTATCCGACCT	240
OS-12-VID15_16sRNA	CGACCCATTAGCTTGTGGTGGGGTAATGGCCTACCAAGGCGTCGATGGGTATCCGACCT	240
	*****	
TP_TPANICr0001_16RNA1	GAGAGGGTGACCGGACACACTGGGACTGAGATACGGCCAGACTCCTACGGGAGGCAGCA	300
OS-18-VID15_16sRNA	GAGAGGGTGACCGGACACACTGGGACTGAGATACGGCCAGACTCCTACGGGAGGCAGCA	300
OS-4_16sRNA	GAGAGGGTGACCGGACACACTGGGACTGAGATACGGCCAGACTCCTACGGGAGGCAGCA	300
OS-12-VID15_16sRNA	GAGAGGGTGACCGGACACACTGGGACTGAGATACGGCCAGACTCCTACGGGAGGCAGCA	300
	*****	
TP_TPANICr0001_16RNA1	GCTAAGAATATTCGCAATGGGGCAAAGCCTGACGGAGCGACACCGCGTGGATGAGGAAG	360
OS-18-VID15_16sRNA	GCTAAGAATATTCGCAATGGGGCAAAGCCTGACGGAGCGACACCGCGTGGATGAGGAAG	360
OS-4_16sRNA	GCTAAGAATATTCGCAATGGGGCAAAGCCTGACGGAGCGACACCGCGTGGATGAGGAAG	360
OS-12-VID15_16sRNA	GCTAAGAATATTCGCAATGGGGCAAAGCCTGACGGAGCGACACCGCGTGGATGAGGAAG	360
	*****	
TP_TPANICr0001_16RNA1	GTCGAAAGATTGTAAGTTCTTTTGGCCGACGAAGAATGAGGACGGGAGGGAATGCCCGTT	420
OS-18-VID15_16sRNA	GTCGAAAGATTGTAAGTTCTTTTGGCCGACGAAGAATGAGGACGGGAGGGAATGCCCGTT	420
OS-4_16sRNA	GTCGAAAGATTGTAAGTTCTTTTGGCCGACGAAGAATGAGGACGGGAGGGAATGCCCGTT	420
OS-12-VID15_16sRNA	GTCGAAAGATTGTAAGTTCTTTTGGCCGACGAAGAATGAGGACGGGAGGGAATGCCCGTT	420
	*****	
TP_TPANICr0001_16RNA1	TGATGACGGTAGTCGTGCGAATAAGCCCCGGCTAATTACGTGCCAGCAGCCGCGGTAACA	480
OS-18-VID15_16sRNA	TGATGACGGTAGTCGTGCGAATAAGCCCCGGCTAATTACGTGCCAGCAGCCGCGGTAACA	480
OS-4_16sRNA	TGATGACGGTAGTCGTGCGAATAAGCCCCGGCTAATTACGTGCCAGCAGCCGCGGTAACA	480
OS-12-VID15_16sRNA	TGATGACGGTAGTCGTGCGAATAAGCCCCGGCTAATTACGTGCCAGCAGCCGCGGTAACA	480
	*****	
TP_TPANICr0001_16RNA1	CGTAAGGGGCGAGCGTTGTCGGAATTATTTGGGCGTAAAGGGCATGCAGGCGGACTGGTA	540
OS-18-VID15_16sRNA	CGTAAGGGGCGAGCGTTGTCGGAATTATTTGGGCGTAAAGGGCATGCAGGCGGACTGGTA	540
OS-4_16sRNA	CGTAAGGGGCGAGCGTTGTCGGAATTATTTGGGCGTAAAGGGCATGCAGGCGGACTGGTA	540
OS-12-VID15_16sRNA	CGTAAGGGGCGAGCGTTGTCGGAATTATTTGGGCGTAAAGGGCATGCAGGCGGACTGGTA	540
	*****	
TP_TPANICr0001_16RNA1	AGCCTGGTGTGAAATCCCCGAGCTCAACTTGGGAACTGCACTGGGTACTGCTGGTCTAGA	600
OS-18-VID15_16sRNA	AGCCTGGTGTGAAATCCCCGAGCTCAACTTGGGAACTGCACTGGGTACTGCTGGTCTAGA	600
OS-4_16sRNA	AGCCTGGTGTGAAATCCCCGAGCTCAACTTGGGAACTGCACTGGGTACTGCTGGTCTAGA	600
OS-12-VID15_16sRNA	AGCCTGGTGTGAAATCCCCGAGCTCAACTTGGGAACTGCACTGGGTACTGCTGGTCTAGA	600
	*****	
TP_TPANICr0001_16RNA1	ATCACGGAGGGGAAACCGGAATTCCAAGTGTAGGGGTGGAATCTGTAGATATTTGGAAGA	660
OS-18-VID15_16sRNA	ATCACGGAGGGGAAACCGGAATTCCAAGTGTAGGGGTGGAATCTGTAGATATTTGGAAGA	660
OS-4_16sRNA	ATCACGGAGGGGAAACCGGAATTCCAAGTGTAGGGGTGGAATCTGTAGATATTTGGAAGA	660
OS-12-VID15_16sRNA	ATCACGGAGGGGAAACCGGAATTCCAAGTGTAGGGGTGGAATCTGTAGATATTTGGAAGA	660
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TP_TPANICr0001_16RNA1	ACACCGGTGGCGAAGCGGGTTTCTGGCCGATGATTGACGCTGAGGTGCGAAGGTGTGGG	720
OS-18-VID15_16sRNA	ACACCGGTGGCGAAGCGGGTTTCTGGCCGATGATTGACGCTGAGGTGCGAAGGTGTGGG	720
OS-4_16sRNA	ACACCGGTGGCGAAGCGGGTTTCTGGCCGATGATTGACGCTGAGGTGCGAAGGTGTGGG	720
OS-12-VID15_16sRNA	ACACCGGTGGCGAAGCGGGTTTCTGGCCGATGATTGACGCTGAGGTGCGAAGGTGTGGG	720
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TP_TPANICr0001_16RNA1	GAGCGAACAGGATTAGATACCCTGGTAGTCCACACAGTAAACGATGTACACTAGGTGTGTG	780
OS-18-VID15_16sRNA	GAGCGAACAGGATTAGATACCCTGGTAGTCCACACAGTAAACGATGTACACTAGGTGTGTG	780
OS-4_16sRNA	GAGCGAACAGGATTAGATACCCTGGTAGTCCACACAGTAAACGATGTACACTAGGTGTGTG	780
OS-12-VID15_16sRNA	GAGCGAACAGGATTAGATACCCTGGTAGTCCACACAGTAAACGATGTACACTAGGTGTGTG	780
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TP_TPANICr0001_16RNA1	GGGCATGAGTCTCGGCGCCGACGCGAACGCATTAAGTGTACCGCTGGGGAGTATGCTCG	840
OS-18-VID15_16sRNA	GGGCATGAGTCTCGGCGCCGACGCGAACGCATTAAGTGTACCGCTGGGGAGTATGCTCG	840
OS-4_16sRNA	GGGCATGAGTCTCGGCGCCGACGCGAACGCATTAAGTGTACCGCTGGGGAGTATGCTCG	840
OS-12-VID15_16sRNA	GGGCATGAGTCTCGGCGCCGACGCGAACGCATTAAGTGTACCGCTGGGGAGTATGCTCG	840
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TP_TPANICr0001_16RNA1	CAAGAGTGAAACTCAAAGGAATTGACGGGGGCCCGCACAAAGCGGTGGAGCATGTGGTTTA	900
OS-18-VID15_16sRNA	CAAGAGTGAAACTCAAAGGAATTGACGGGGGCCCGCACAAAGCGGTGGAGCATGTGGTTTA	900
OS-4_16sRNA	CAAGAGTGAAACTCAAAGGAATTGACGGGGGCCCGCACAAAGCGGTGGAGCATGTGGTTTA	900
OS-12-VID15_16sRNA	CAAGAGTGAAACTCAAAGGAATTGACGGGGGCCCGCACAAAGCGGTGGAGCATGTGGTTTA	900
*****		
TP_TPANICr0001_16RNA1	ATTCGATGATACGCGAGGAACCTTACCGGGTTTGACATCAAGAGGAGCGCCGTAGAAAT	960
OS-18-VID15_16sRNA	ATTCGATGATACGCGAGGAACCTTACCGGGTTTGACATCAAGAGGAGCGCCGTAGAAAT	960
OS-4_16sRNA	ATTCGATGATACGCGAGGAACCTTACCGGGTTTGACATCAAGAGGAGCGCCGTAGAAAT	960
OS-12-VID15_16sRNA	ATTCGATGATACGCGAGGAACCTTACCGGGTTTGACATCAAGAGGAGCGCCGTAGAAAT	960
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TP_TPANICr0001_16RNA1	GCGGTGGCGTAGCGATACGCCTCTTGACAGGTGCTGCATGGCTGTCGTCAGCTCGTGCCG	1020
OS-18-VID15_16sRNA	GCGGTGGCGTAGCGATACGCCTCTTGACAGGTGCTGCATGGCTGTCGTCAGCTCGTGCCG	1020
OS-4_16sRNA	GCGGTGGCGTAGCGATACGCCTCTTGACAGGTGCTGCATGGCTGTCGTCAGCTCGTGCCG	1020
OS-12-VID15_16sRNA	GCGGTGGCGTAGCGATACGCCTCTTGACAGGTGCTGCATGGCTGTCGTCAGCTCGTGCCG	1020
*****		
TP_TPANICr0001_16RNA1	TGAGGTGTTGGGTTAAGTCCCGCAACGAGCGCAACCCCTACTGCCAGTTGCCAGCAAGTG	1080
OS-18-VID15_16sRNA	TGAGGTGTTGGGTTAAGTCCCGCAACGAGCGCAACCCCTACTGCCAGTTGCCAGCAAGTG	1080
OS-4_16sRNA	TGAGGTGTTGGGTTAAGTCCCGCAACGAGCGCAACCCCTACTGCCAGTTGCCAGCAAGTG	1080
OS-12-VID15_16sRNA	TGAGGTGTTGGGTTAAGTCCCGCAACGAGCGCAACCCCTACTGCCAGTTGCCAGCAAGTG	1080
*****		
TP_TPANICr0001_16RNA1	GTGTTGGGGACTCTGGCGGAACCTGCCGGTGACAAACCGGAGGAAGGTGGGGATGACGTCA	1140
OS-18-VID15_16sRNA	GTGTTGGGGACTCTGGCGGAACCTGCCGGTGACAAACCGGAGGAAGGTGGGGATGACGTCA	1140
OS-4_16sRNA	GTGTTGGGGACTCTGGCGGAACCTGCCGGTGACAAACCGGAGGAAGGTGGGGATGACGTCA	1140
OS-12-VID15_16sRNA	GTGTTGGGGACTCTGGCGGAACCTGCCGGTGACAAACCGGAGGAAGGTGGGGATGACGTCA	1140
*****		
TP_TPANICr0001_16RNA1	AGTCATCATGGCCCTTATGTCCGGGGCTACACACGTGCTACAATGGTTGCTACAGAGCGA	1200
OS-18-VID15_16sRNA	AGTCATCATGGCCCTTATGTCCGGGGCTACACACGTGCTACAATGGTTGCTACAGAGCGA	1200
OS-4_16sRNA	AGTCATCATGGCCCTTATGTCCGGGGCTACACACGTGCTACAATGGTTGCTACAGAGCGA	1200
OS-12-VID15_16sRNA	AGTCATCATGGCCCTTATGTCCGGGGCTACACACGTGCTACAATGGTTGCTACAGAGCGA	1200
*****		
TP_TPANICr0001_16RNA1	TGCGAGGTTGTGAAGTGGAGCAAACCGCAAAAAGGCAATCGTAGTCCGGATTGAAGTCTG	1260
OS-18-VID15_16sRNA	TGCGAGGTTGTGAAGTGGAGCAAACCGCAAAAAGGCAATCGTAGTCCGGATTGAAGTCTG	1260
OS-4_16sRNA	TGCGAGGTTGTGAAGTGGAGCAAACCGCAAAAAGGCAATCGTAGTCCGGATTGAAGTCTG	1260
OS-12-VID15_16sRNA	TGCGAGGTTGTGAAGTGGAGCAAACCGCAAAAAGGCAATCGTAGTCCGGATTGAAGTCTG	1260
*****		
TP_TPANICr0001_16RNA1	AAACTCGACTTCATGAAGTTGGAATCGCTAGTAATCGCACATCAGCATGGTGCAGTGAAT	1320
OS-18-VID15_16sRNA	AAACTCGACTTCATGAAGTTGGAATCGCTAGTAATCGCACATCAGCATGGTGCAGTGAAT	1320
OS-4_16sRNA	AAACTCGACTTCATGAAGTTGGAATCGCTAGTAATCGCACATCAGCATGGTGCAGTGAAT	1320
OS-12-VID15_16sRNA	AAACTCGACTTCATGAAGTTGGAATCGCTAGTAATCGCACATCAGCATGGTGCAGTGAAT	1320
*****		
TP_TPANICr0001_16RNA1	GTGTTCCCGGGCCTTGTACACACCGCCCGTACACCATCCGAGTTGGAGATACCCGAAGT	1380
OS-18-VID15_16sRNA	GTGTTCCCGGGCCTTGTACACACCGCCCGTACACCATCCGAGTTGGAGATACCCGAAGT	1380
OS-4_16sRNA	GTGTTCCCGGGCCTTGTACACACCGCCCGTACACCATCCGAGTTGGAGATACCCGAAGT	1380
OS-12-VID15_16sRNA	GTGTTCCCGGGCCTTGTACACACCGCCCGTACACCATCCGAGTTGGAGATACCCGAAGT	1380
*****		

TP_TPANICr0001_16RNA1	CACTAGCCTAACCCGCAAGGGAGGGCGGTGCCGAAGGTATGTTTGGTAAGGAGGGTGAAG	1440
OS-18-VID15_16sRNA	CACTAGCCTAACCCGCAAGGGAGGGCGGTGCCGAAGGTATGTTTGGTAAGGAGGGTGAAG	1440
OS-4_16sRNA	CACTAGCCTAACCCGCAAGGGAGGGCGGTGCCGAAGGTATGTTTGGTAAGGAGGGTGAAG	1440
OS-12-VID15_16sRNA	CACTAGCCTAACCCGCAAGGGAGGGCGGTGCCGAAGGTATGTTTGGTAAGGAGGGTGAAG	1440
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TP_TPANICr0001_16RNA1	TCGTAACAAGGTAGCCGTACCGGAAGGTGCGGCTGGATCACCTCCTTTCTAAGAGA	1496
OS-18-VID15_16sRNA	TCGTAACAAGGTAGCCGTACCGGAAGGTGCGGCTGGATCACCTCCTTTCTAAGAGA	1496
OS-4_16sRNA	TCGTAACAAGGTAGCCGTACCGGAAGGTGCGGCTGGATCACCTCCTTTCTAAGAGA	1496
OS-12-VID15_16sRNA	TCGTAACAAGGTAGCCGTACCGGAAGGTGCGGCTGGATCACCTCCTTTCTAAGAGA	1496
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