

Supplementary Fig 1. Pairwise comparison of *rpsA* gene sequences from OS-12 CSF and vitreous fluid.

CLUSTAL O(1.2.4) multiple sequence alignment

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OS-12-VF-rpsA      GTGACTTCGGTTTTCTGCCTGTACTTCCTTCTTCGTTTTTCACCCCTGTGCATGGGGG 60
OS-12-CSF-rpsA    ----- 0

OS-12-VF-rpsA      GGGGAGAGAGAGAGAAGTTTCGTTTCATCCTCGCACCCGTTGCGTTGCGGTGCGTGCAAG 120
OS-12-CSF-rpsA    ----- 0

OS-12-VF-rpsA      GACTGTGCTACAGTGCCGGCCGATGGGGACCGTGATCATCGCTCTTGATGGACCTGCAGG 180
OS-12-CSF-rpsA    ----- 0

OS-12-VF-rpsA      CTCTGGGAAGAGCAGCGTCTGTCTGCTCGCGTCTCGCCTTGGCGGCAATGTTTGAA 240
OS-12-CSF-rpsA    ----- 0

OS-12-VF-rpsA      CACGGTTCCTTCTACCGTGCATTTACCCTCGCCGATGCGTAGGGTATCGGAGTTGGC 300
OS-12-CSF-rpsA    ----- 0

OS-12-VF-rpsA      CGTGCAAGCGTGCTCTCCTTCTCCGACCCGTGATGCGCGGTGCGGTGCGCGCTGTTC 360
OS-12-CSF-rpsA    ----- 0

OS-12-VF-rpsA      ACACGCAACAAATCTGGACACATCATATGCTCCTCTGACGGCCAGAGAAGGTTGCACT 420
OS-12-CSF-rpsA    ----- 0

OS-12-VF-rpsA      TTTTGATGAAGCGTATTGGGTTTCGTTTGGCGCACAGTTGCGCTTCTTATCGTGCGGG 480
OS-12-CSF-rpsA    ----- 0

OS-12-OVF-rpsA     TGTGATGTACGTGGGCGAAGAGAACGTGGAGTCACTGCTGCGTTCGGATGAGGTGGAGTC 540
OS-12-CSF-rpsA    ----- 0

OS-12-VF-rpsA      GGCAGTCTCGTACTTCGCGGCAATGCCGGCTATTCGGGCAATTATGACGGGGAAGATCCG 600
OS-12-CSF-rpsA    ----- 0

OS-12-VF-rpsA      GTCGGCCGTTTGTGGTGC GCGGGTAGTTTGTGAAGGGCGTGATCTAACGACGGTTGTGTT 660
OS-12-CSF-rpsA    -----GTGCGCGGGTAGTTTGTGAAGGGCGTGATCTAACGACGGTTGTGTT 46
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OS-12-VF-rpsA      TGTGGATGCGGACTTGAAGTGTACCTTGACGCTTCTATTGAGGCGGTGTGGCGCGTGC 720
OS-12-CSF-rpsA    TGTGGATGCGGACTTGAAGTGTACCTTGACGCTTCTATTGAGGCGGTGTGGCGCGTGC 106
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OS-12-VF-rpsA      TTGGGCGCAGGGAACGAGCCGGTTATCGAAGCAGGAACTCGAGCAGCGCATGCGCGCGCG 780
OS-12-CSF-rpsA    TTGGGCGCAGGGAACGAGCCGGTTATCGAAGCAGGAACTCGAGCAGCGCATGCGCGCGCG 166
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OS-12-OF-rpsA      TGACGCACACGACAGGGCGCGCACCCGTGGGGGGCTCAGGTGTGCGCCTGATGCGCTGTA 840
OS-12-CSF-rpsA    TGACGCACACGACAGGGCGCGCACCCGTGGGGGGCTCAGGTGTGCGCCTGATGCGCTGTA 226
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OS-12-VF-rpsA      CGTGGATACTTCTTGCTTGACCATTTGAGGAGTTTGTGAAAGAATCGCGCGGAGGCGCA 900
OS-12-CSF-rpsA    CGTGGATACTTCTTGCTTGACCATTTGAGGAGTTTGTGAAAGAATCGCGCGGAGGCGCA 286
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OS-12-OF-rpsA      CCGCAGAGCTTTGTGGGAGGAGAGCGTTCAGTGGAATAATCAGGAGGGGAAGGGTACACC 960
OS-12-CSF-rpsA    CCGCAGAGCTTTGTGGGAGGAGAGCGTTCAGTGGAATAATCAGGAGGGGAAGGGTACACC 346
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OS-12-VF-rpsA      ATTGGTGCCGCGGACAGCTGCAGGAGCGGTATTCGTTTGGAGCTCCGGAACCTGGTTCTGT 1020
OS-12-CSF-rpsA    ATTGGTGCCGCGGACAGCTGCAGGAGCGGTATTCGTTTGGAGCTCCGGAACCTGGTTCTGT 406
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OS-12-VF-rpsA	TAGGATGGGGACGGTGGTTTCAGGTTAATGCGGGGACGGTGTTTGTAGACATCGGGGGAAA	1080
OS-12-CSF-rpsA	TAGGATGGGGACGGTGGTTTCAGGTTAATGCGGGGACGGTGTTTGTAGACATCGGGGGAAA *****	466
OS-12-VF-rpsA	ATCTGAAGGGCGCGTTCAGTGGAAAGAGTTTGAGGCGCCGCCGAAGGCAGGGGATGGCGT	1140
OS-12-CSF-rpsA	ATCTGAAGGGCGCGTTCAGTGGAAAGAGTTTGAGGCGCCGCCGAAGGCAGGGGATGGCGT *****	526
OS-12-VF-rpsA	TCGGGTGTATGTGGAGCGGTGACGCCCTTATGGCCCTGAGCTTTCGAAGACGAAGGCCGA	1200
OS-12-CSF-rpsA	TCGGGTGTATGTGGAGCGGTGACGCCCTTATGGCCCTGAGCTTTCGAAGACGAAGGCCGA *****	586
OS-6-VF-rpsA	TCGCTTGGGTTTGAAAGTTAAGTTACGTGATGCGGAGCGAGACGGGACTCCGGTTGAGGG	1260
OS-6-CSF-rpsA	TCGCTTGGGTTTGAAAGTTAAGTTACGTGATGCGGAGCGAGACGGGACTCCGGTTGAGGG *****	646
OS-12-VF-rpsA	GAGGATCGTCCGTCTAACGGAAGAAGAGTGGTTTTGAAGTGGACTTGGGTGCGGGGAT	1320
OS-12-CSF-rpsA	GAGGATCGTCCGTCTAACGGAAGAAGAGTGGTTTTGAAGTGGACTTGGGTGCGGGGAT *****	706
OS-12-VF-rpsA	GATGGCCTTTTTACCTATCAGCCAGTCGGACTGTCAGAAAGTCGACGCGCCTGAGAGTCT	1380
OS-12-CSF-rpsA	GATGGCCTTTTTACCTATCAGCCAGTCGGACTGTCAGAAAGTCGACGCGCCTGAGAGTCT *****	766
OS-12-VF-rpsA	CATTGGGCTTACGTCTAAGTTCTATATCGAGCGTATATCCCAAAGCAAACAGCATCGCGG	1440
OS-12-CSF-rpsA	CATTGGGCTTACGTCTAAGTTCTATATCGAGCGTATATCCCAAAGCAAACAGCATCGCGG *****	826
OS-12-VF-rpsA	CAACGACAACATGTGCATTAATCGACGCGGTTATTTGGAGGAGCGTGC CGCGG CAGGCGCG	1500
OS-12-CSF-rpsA	CAACGACAACATGTGCATTAATCGACGCGGTTATTTGGAGGAGCGTGC CGCGG CAGGCGCG *****	886
OS-12-VF-rpsA	CGAGGAGTTCTTCAATTCGGTTCATATGAAGATTCGGTATCCGGAGTGGTTAAGAGCTT	1560
OS-12-CSF-rpsA	CGAGGAGTTCTTCAATTCGGTTCATATGAAGATTCGGTATCCGGAGTGGTTAAGAGCTT *****	946
OS-12-VF-rpsA	TACGAGTTTGGTGCTTTCATTGACTTGGGCGGTTTCGATGGCCTCCTGCATGTGAATGA	1620
OS-12-CSF-rpsA	TACGAGTTTGGTGCTTTCATTGACTTGGGCGGTTTCGATGGCCTCCTGCATGTGAATGA *****	1006
OS-12-VF-rpsA	CATGAGCTGGGGGCACGTGGCGCGGCCGCGGAGTTTGTGAAGAAAGGACAAACCATTGA	1680
OS-12-CSF-rpsA	CATGAGCTGGGGGCACGTGGCGCGGCCGCGGAGTTTGTGAAGAAAGGACAAACCATTGA *****	1066
OS-12-VF-rpsA	GTTGAAGGTTATCCGCCGATCAGGCGGAGAAGCGTATCAATTTGTCCCTGAAGCATT	1740
OS-12-CSF-rpsA	GTTGAAGGTTATCCGCCGATCAGGCGGAGAAGCGTATCAATTTGTCCCTGAAGCATT *****	1126
OS-12-VF-rpsA	TCAGCCGATCCGTGGCTGAGTTTGAACAAGTTCGGCGTGAATGATGTGGTCAAGGG	1800
OS-12-CSF-rpsA	TCAGCCGATCCGTGGCTGAGTTTGAACAAGTTCGGCGTGAATGATGTGGTCAAGGG *****	1186
OS-12-VF-rpsA	GCGTGTAAAGAAATCGCTGATTTCCGGTGCCTCATTGAACCTGCTGAGGGTATCGAGGG	1860
OS-12-CSF-rpsA	GCGTGTAAAGAAATCGCTGATTTCCGGTGCCTCATTGAACCTGCTGAGGGTATCGAGGG *****	1246
OS-12-VF-rpsA	GCTTGCGCATATTAGTGAGTTCAGTGGGTAAAGAAAACGAGTAAACCCAGTGACATGGT	1920
OS-12-CSF-rpsA	GCTTGCGCATATTAGTGAGTTCAGTGGGTAAAGAAAACGAGTAAACCCAGTGACATGGT *****	1306
OS-12-VF-rpsA	TAAATTTGGGGATGAAGTGGAGTGTATGATCCTCGGGTATGATATCCAGGCGGGACGGGT	1980
OS-12-CSF-rpsA	TAAATTTGGGGATGAAGTGGAGTGTATGATCCTCGGGTATGATATCCAGGCGGGACGGGT *****	1366
OS-12-VF-rpsA	GTCTCTGGGGCTTAAGCAGGTAACGGCGAATCCTTGGGAGGAAATAGAGGCTCGTTATCC	2040
OS-12-CSF-rpsA	GTCTCTGGGGCTTAAGCAGGTAACGGCGAATCCTTGGGAGGAAATAGAGGCTCGTTATCC *****	1426
OS-12-VF-rpsA	TGTGGGTGCGCGCTTACGCGCGTATCGTAAAGGTTACGAACGCAGGTGCTTTCATTGA	2100
OS-12-CSF-rpsA	TGTGGGTGCGCGCTTACGCGCGTATCGTAAAGGTTACGAACGCAGGTGCTTTCATTGA *****	1486

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OS-12-VF-rpsA      AATGGAAGAGGGAATAGACGGCTTTTTCACGTCGATGATCTGTCCTGGGTTAAGCGGAC 2160
OS-12-CSF-rpsA    AATGGAAGAGGGAATAGACGGCTTTTTCACGTCGATGATCTGTCCTGGGTTAAGCGGAC 1546
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OS-12-VF-rpsA      GCGTCCTGCAGACCATGAGCTTGAGGTAGGTAAGAAATCGAGTGTATGGTTATCGAGTG 2220
OS-12-CSF-rpsA    GCGTCCTGCAGACCATGAGCTTGAGGTAGGTAAGAAATCGAGTGTATGGTTATCGAGTG 1606
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OS-12-VF-rpsA      TGATCCGCAAGCGCGCCGTATTCCGGCTTGGTGTTAAGCAGTTGAGCGACAATCCGTGGCA 2280
OS-12-CSF-rpsA    TGATCCGCAAGCGCGCCGTATTCCGGCTTGGTGTTAAGCAGTTGAGCGACAATCCGTGGCA 1666
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OS-12-VF-rpsA      GGTGTTTGCGAACGCCTATGGGGTAGGGTCTACCGTGAGGGGGAAGTATCTTCCGTGAC 2340
OS-12-CSF-rpsA    GGTGTTTGCGAACGCCTATGGGGTAGGGTCTACCGTGAGGGGGAAGTATCTTCCGTGAC 1726
*****

OS-12-VF-rpsA      GGATTTTGGGATTTTCGTGCGTGTCCCGGTGGCGTTGAGGGGCTTGTTCGCAAGCAGCA 2400
OS-12-CSF-rpsA    GGATTTTGGGATTTTCGTGCGTGTCCCGGTGGCGTTGAGGGGCTTGTTCGCAAGCAGCA 1786
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OS-12-VF-rpsA      TCTGGTTGAGAATCGGGATGGGGATCCGGGTGAAGCGCTAAGGAAATACGCAGTGGGGGA 2460
OS-12-CSF-rpsA    TCTGGTTGAGAATCGGGATGGGGATCCGGGTGAAGCGCTAAGGAAATACGCAGTGGGGGA 1846
*****

OS-12-VF-rpsA      CCGGGTCAAGGCAGTGATCGTAGATATGAACGTGAAGGACAGGAAGGTTGCTTTTTCTGT 2520
OS-12-CSF-rpsA    CCGGGTCAAGGCAGTGATCGTAGATATGAACGTGAAGGACAGGAAGGTTGCTTTTTCTGT 1906
*****

OS-12-VF-rpsA      TAGAGACTATCAAAGAAAGGTACAGCGTGACGAGCTTCTCGGTATATGTCCGCCCCCGG 2580
OS-12-CSF-rpsA    TAGAGACTATCAAAGAAAGGTACAGCGTGACGAGCTTCTCGGTATATGTCCGCCCCCGG 1966
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OS-12-VF-rpsA      GGGGGAGGACGAAGGCTCGTTTACGCTCGGTGATTTGATGAGGCAAACGTCTGAAAAGTG 2640
OS-12-CSF-rpsA    GGGGGAGGACGAAGGCTCGTTTACGCTCGGTGATTTGATGAGGCAAACGTCTGAAAAGTG 2026
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OS-12-VF-rpsA      A 2641
OS-12-CSF-rpsA    A 2027
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