

Supplementary Data File S1. GenBank files for uric acid gene clusters assembled from *Uox* mouse metagenomics data, related to Figure 7.

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1034 ORGANISM Unknown
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1555 SOURCE Unknown (unknown)
1556 ORGANISM Unknown
1557 Unconfirmed Organism.
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1586 PNGIPGVEHRPVLMTYTCGAATGRISPFQMLKLLSEQPAKLFQGMYPQKALAPGSDADI
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2303 11641 AGCGGTATAT GGCGGAGGGC CATTTTGC GC GGGTTCCAT GCTGCCTAAA GTTCAAGCGG
2304 11701 CCGTTGAGTT TGCACAGTTT GCGCCGGGTC GAACTGCGCT GATTACGTTG CTGGAGAAAG
2305 11761 CACGCGACGG CGTTGCGGGG CTGACCGGTA CGGTCAATTT CCAATAAAAC AGGAGGATT
2306 11821 TCCGTGTCAA TTCTCATCCA AAACGGCACG TTGATTTGTC CGGAGGGAGC TGTGCAGGCG
2307 11881 GATTTGCGGA CAAATGGGGA TAAAATCGTG GAAATCGGGG CTGAACTGCC TGTGCAGGGC
2308 11941 TGCAATGTGA TCGATGCTTC CGGTAAGCTG GTATTTCCGG GATTTATTGA TACCCATACT
2309 12001 CATTTCGAGA TGAATAAAGG CTTGCCGACT GAAACGGCGG ACGACTGGGC ATCCGTTACA
2310 12061 TTGGCGGCAT TGGCCGGCGG GACGACAACG GTACTGGATT TTGCCGAACC GGAGCGGGGA
2311 12121 GTCTCCCTGG CTTACGCCCT GGAACCTGG CACCGCCGTG CAGATGGCTG CGGCTCTGC
2312 12181 CATTATGGGT TCCATATGAC GATTAAGGAA TGGAAATCCG AAATTCGGGC CCGACTGCGA
2313 12241 GAGATGGAGA CCGCAGGCGT GACTTCTGAT AAAGTTTATT TTGCATATGA TGGGCTGCGG
2314 12301 ATTTCCGATG GAACGGCGCT GGAAGTTGTA CGGGCCGTGG GTGAACAGGG CGGCATTGTG
2315 12361 GGCTGTCACT GTGAAAACGG AGATTTTGTA ACAGCGGGGA TTCAGGCGCA GAAGGCGGCT
2316 12421 GGAAATTTGT CTCTGCTGTC GCATCCCCGT TCCCGTCCGG CGGCGGTAGA GGCCGAAGCA
2317 12481 GTCACACGCT GGCTGACCGT TGGGGAGTTG GCCGGATATC CGGTGAATGT TGTACATCTG
2318 12541 TCGACTGCC CCGGATTGGA AGCGGTCCGA GCTGCCCGTG CTCGTGGACA AAAAGTATAT
2319 12601 GTTGAACAT GTCCGCAATA TTTACTGCTG GATGAAAGCC TCTATTCTCT GCCAGGGTTT
2320 12661 GAGAGTGCAA AATTTGTCTT TTCGCCCGC CTGCGGGCAA AGGCTGACCA ACAGACGTTA
2321 12721 TGGGATGCAC TGCAAAAAGG AGAAATTGAT ACCATTGGAA CCGACCATTG TTCTTTCAAT
2322 12781 TTCCAAGGTG TAAAGGAGCT TGGCCGGGAT GACTTCTCAA AAATCCCGAA CGGGATTCCA
2323 12841 GGCGTGAGC ATCGGCCAGT GTTGTGTGAT TCCGAGGAG TCGCCAAGGG CCGGCTGGCA
2324 12901 GTACATCAA TGATGAAGT GCTTCTGAG CAGCCTGCGA AGCTGTTCCG TATGTATCTG
2325 12961 CAAAAAGGG CATTGTCTGT AGGCAGTGAC GCGGATATCG TGATTTATGA CCCGAATGCA
2326 13021 GAGGGGATGA TTACCGCAGC CAGGAGTAT CAGAATGTCG ATTATACTCC CTATGAGGGA
2327 13081 ATCAAAACAT ATGGACGTAT TGAGACCGTA TTGCTTTCGG GAGAAATTGC GGTGCAGGAT
2328 13141 GGTGACGTGA GAAAGCAGCG AATGGGACGG TATGTTACC GTAGACGGTC AATATATTGA
2329 13201 TAAAGAAAAT GAATCTGTGC AGAAAAACGT CCGACACGCT GTCCTTATGG CGTGTCCGAC
2330 13261 AGTAGGCAGC AGCATATGGC AGTGCACCAA AATCCTTCGT CCCGCCCGCA GGCGAGAAGG

2331 13321 GGGTCTGGGG CCTGTGGCCC CAGCGGGGTG CAGGGGCGGG GCCCTGCC
2332 //