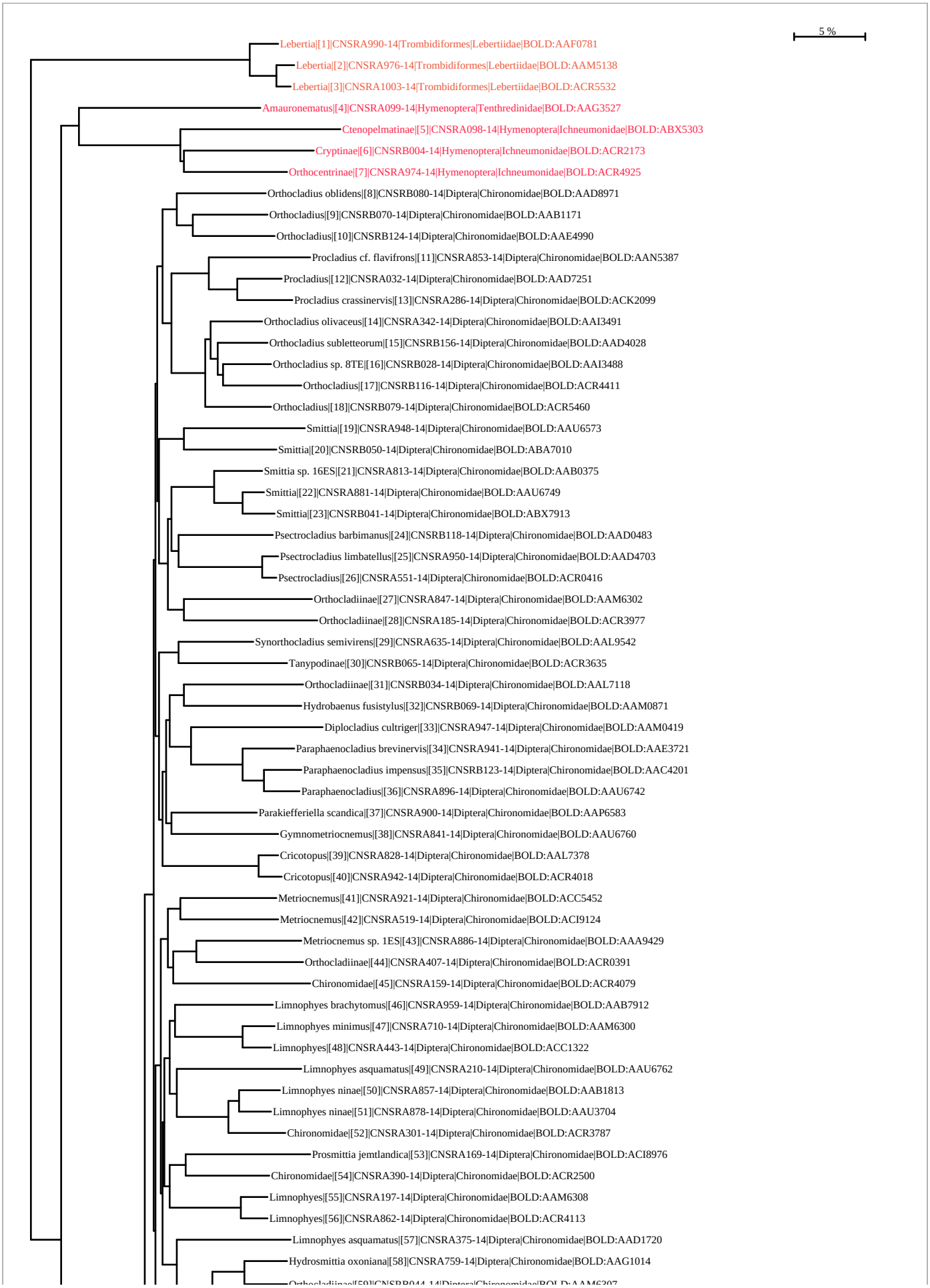
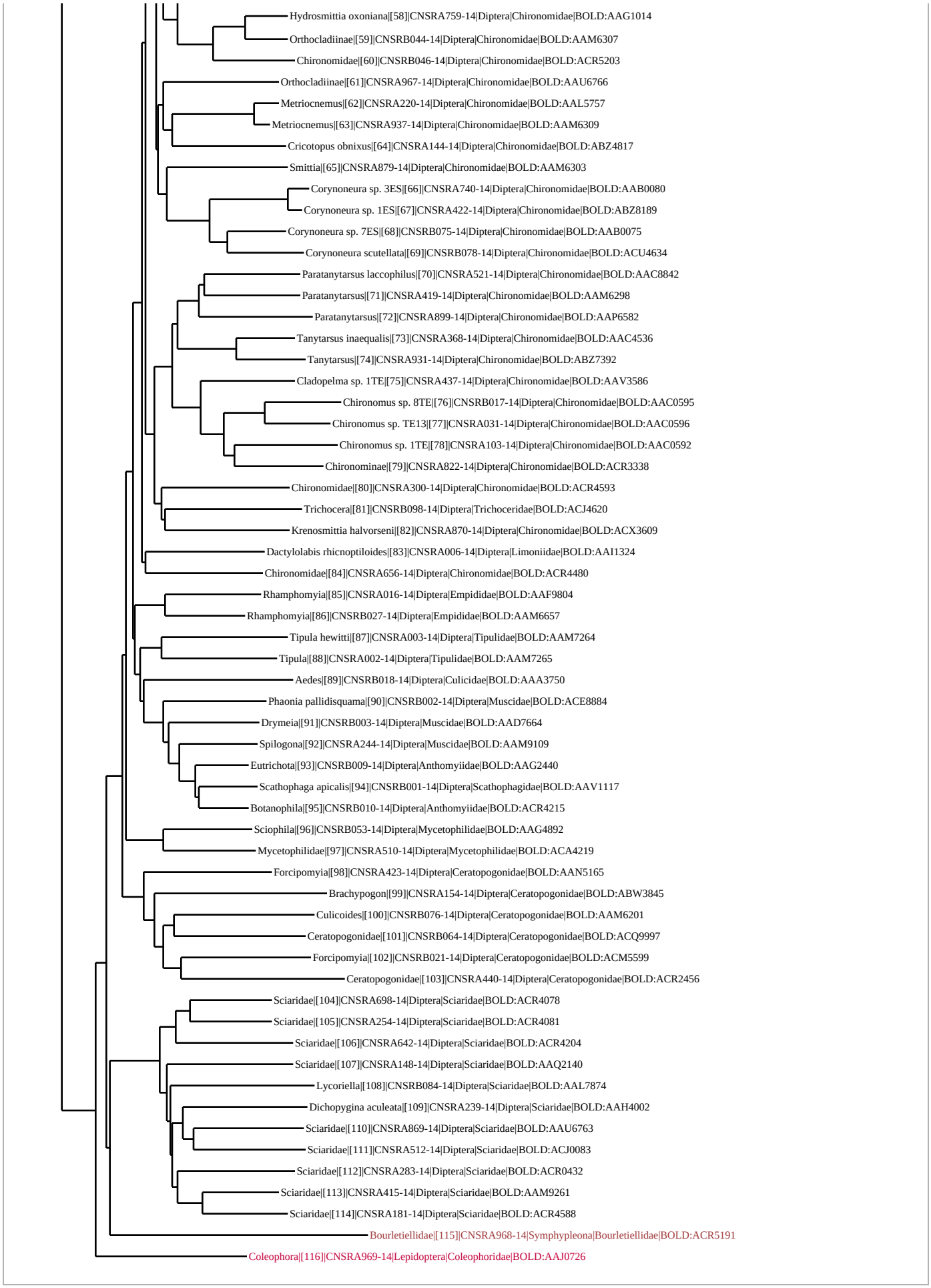
Appendix 1. BOLD neighbour-joining tree file (K2P) of representative COI sequences for 116 BINs collected in Sirmilik National Park




Hydrosmittia oxoniana|[58]|CNSRA759-14|Diptera|Chironomidae|BOLD:AAG1014
Orthocladiinae|[59]|CNSRB044-14|Diptera|Chironomidae|BOLD:AAM6307
Chironomidae|[60]|CNSRB046-14|Diptera|Chironomidae|BOLD:ACR5203
Orthocladiinae|[61]|CNSRA967-14|Diptera|Chironomidae|BOLD:AAU6766
Metriocnemus|[62]|CNSRA220-14|Diptera|Chironomidae|BOLD:AAL5757
Metriocnemus|[63]|CNSRA937-14|Diptera|Chironomidae|BOLD:AAM6309
Cricotopus obnixus|[64]|CNSRA144-14|Diptera|Chironomidae|BOLD:ABZ4817
Smittia|[65]|CNSRA879-14|Diptera|Chironomidae|BOLD:AAM6303
Corynoneura sp. 3ES|[66]|CNSRA740-14|Diptera|Chironomidae|BOLD:AAB0080
Corynoneura sp. 1ES|[67]|CNSRA422-14|Diptera|Chironomidae|BOLD:ABZ8189
Corynoneura sp. 7ES|[68]|CNSRB075-14|Diptera|Chironomidae|BOLD:AAB0075
Corynoneura scutellata|[69]|CNSRB078-14|Diptera|Chironomidae|BOLD:ACU4634
Paratanytarsus laccophilus|[70]|CNSRA521-14|Diptera|Chironomidae|BOLD:AAC8842
Paratanytarsus|[71]|CNSRA419-14|Diptera|Chironomidae|BOLD:AAM6298
Paratanytarsus|[72]|CNSRA899-14|Diptera|Chironomidae|BOLD:AAP6582
Tanytarsus inaequalis|[73]|CNSRA368-14|Diptera|Chironomidae|BOLD:AAC4536
Tanytarsus|[74]|CNSRA931-14|Diptera|Chironomidae|BOLD:ABZ7392
Cladopelma sp. 1TE|[75]|CNSRA437-14|Diptera|Chironomidae|BOLD:AAV3586
Chironomus sp. 8TE|[76]|CNSRB017-14|Diptera|Chironomidae|BOLD:AAC0595
Chironomus sp. TE13|[77]|CNSRA031-14|Diptera|Chironomidae|BOLD:AAC0596
Chironomus sp. 1TE|[78]|CNSRA103-14|Diptera|Chironomidae|BOLD:AAC0592
Chironominae|[79]|CNSRA822-14|Diptera|Chironomidae|BOLD:ACR3338
Chironomidae|[80]|CNSRA300-14|Diptera|Chironomidae|BOLD:ACR4593
Trichocera|[81]|CNSRB098-14|Diptera|Trichoceridae|BOLD:ACJ4620
Krenosmittia halvorseni|[82]|CNSRA870-14|Diptera|Chironomidae|BOLD:ACX3609
Dactylolabis rhicnoptiloides|[83]|CNSRA006-14|Diptera|Limoniidae|BOLD:AAI1324
Chironomidae|[84]|CNSRA656-14|Diptera|Chironomidae|BOLD:ACR4480
Rhamphomyia|[85]|CNSRA016-14|Diptera|Empididae|BOLD:AAF9804
Rhamphomyia|[86]|CNSRB027-14|Diptera|Empididae|BOLD:AAM6657
Tipula hewitti|[87]|CNSRA003-14|Diptera|Tipulidae|BOLD:AAM7264
Tipula|[88]|CNSRA002-14|Diptera|Tipulidae|BOLD:AAM7265
Aedes|[89]|CNSRB018-14|Diptera|Culicidae|BOLD:AAA3750
Phaonia pallidisquama|[90]|CNSRB002-14|Diptera|Muscidae|BOLD:ACE8884
Drymeia|[91]|CNSRB003-14|Diptera|Muscidae|BOLD:AAD7664
Spilogona|[92]|CNSRA244-14|Diptera|Muscidae|BOLD:AAM9109
Eutrichota|[93]|CNSRB009-14|Diptera|Anthomyiidae|BOLD:AAG2440
Scathophaga apicalis|[94]|CNSRB001-14|Diptera|Scathophagidae|BOLD:AAV1117
Botanophila|[95]|CNSRB010-14|Diptera|Anthomyiidae|BOLD:ACR4215
Sciophila|[96]|CNSRB053-14|Diptera|Mycetophilidae|BOLD:AAG4892
Mycetophilidae|[97]|CNSRA510-14|Diptera|Mycetophilidae|BOLD:ACA4219
Forcipomyia|[98]|CNSRA423-14|Diptera|Ceratopogonidae|BOLD:AAN5165
Brachypogon|[99]|CNSRA154-14|Diptera|Ceratopogonidae|BOLD:ABW3845
Culicoides|[100]|CNSRB076-14|Diptera|Ceratopogonidae|BOLD:AAM6201
Ceratopogonidae|[101]|CNSRB064-14|Diptera|Ceratopogonidae|BOLD:ACQ9997
Forcipomyia|[102]|CNSRB021-14|Diptera|Ceratopogonidae|BOLD:ACM5599
Ceratopogonidae|[103]|CNSRA440-14|Diptera|Ceratopogonidae|BOLD:ACR2456
Sciaridae|[104]|CNSRA698-14|Diptera|Sciaridae|BOLD:ACR4078
Sciaridae|[105]|CNSRA254-14|Diptera|Sciaridae|BOLD:ACR4081
Sciaridae|[106]|CNSRA642-14|Diptera|Sciaridae|BOLD:ACR4204
Sciaridae|[107]|CNSRA148-14|Diptera|Sciaridae|BOLD:AAQ2140
Lycoriella|[108]|CNSRB084-14|Diptera|Sciaridae|BOLD:AAL7874
Dichopygina aculeata|[109]|CNSRA239-14|Diptera|Sciaridae|BOLD:AAH4002
Sciaridae|[110]|CNSRA869-14|Diptera|Sciaridae|BOLD:AAU6763
Sciaridae|[111]|CNSRA512-14|Diptera|Sciaridae|BOLD:ACJ0083
Sciaridae|[112]|CNSRA283-14|Diptera|Sciaridae|BOLD:ACR0432
Sciaridae|[113]|CNSRA415-14|Diptera|Sciaridae|BOLD:AAM9261
Sciaridae|[114]|CNSRA181-14|Diptera|Sciaridae|BOLD:ACR4588
Bourletiellidae|[115]|CNSRA968-14|Symphypleona|Bourletiellidae|BOLD:ACR5191
Coleophora|[116]|CNSRA969-14|Lepidoptera|Coleophoridae|BOLD:AAJ0726