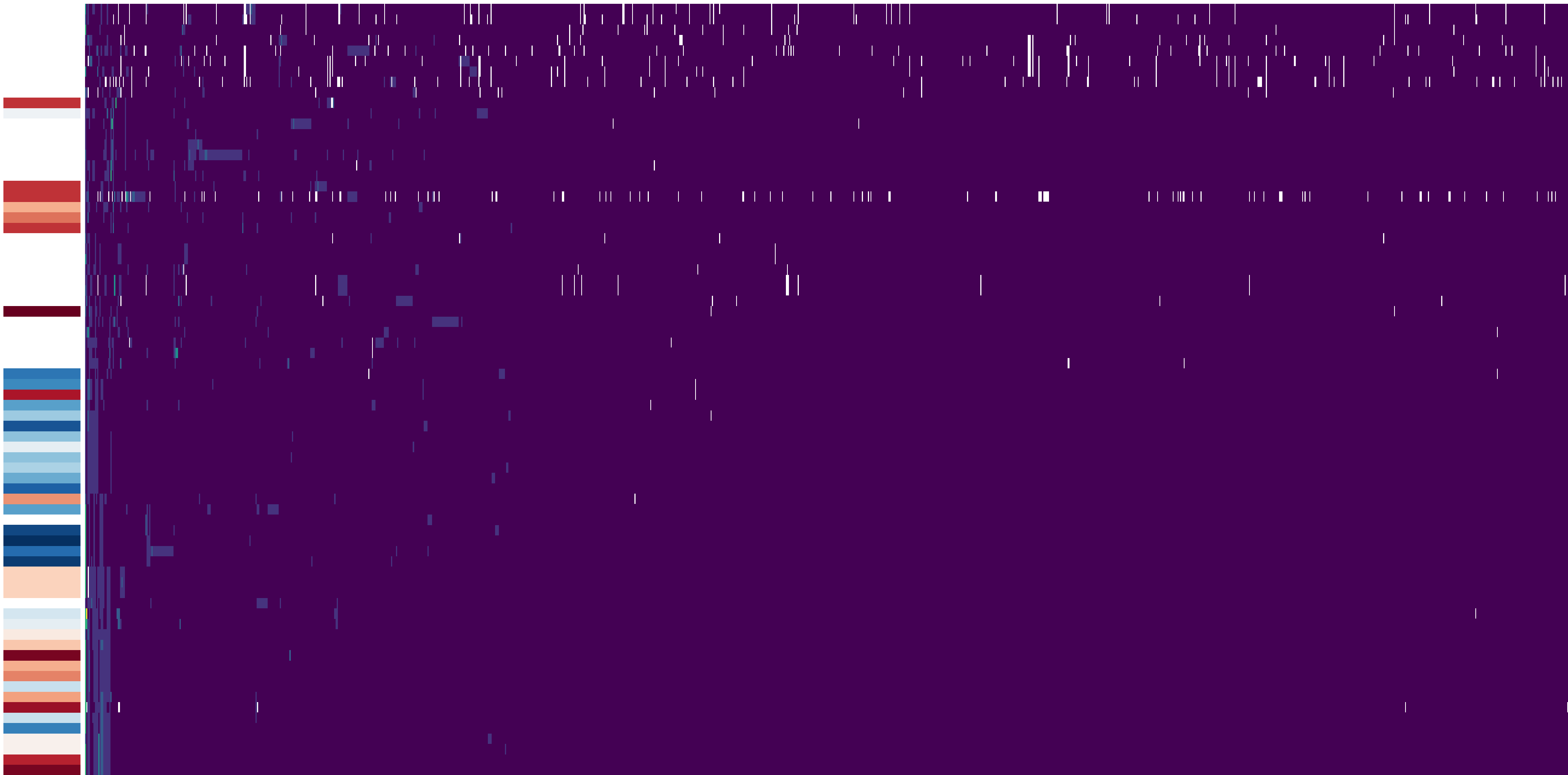
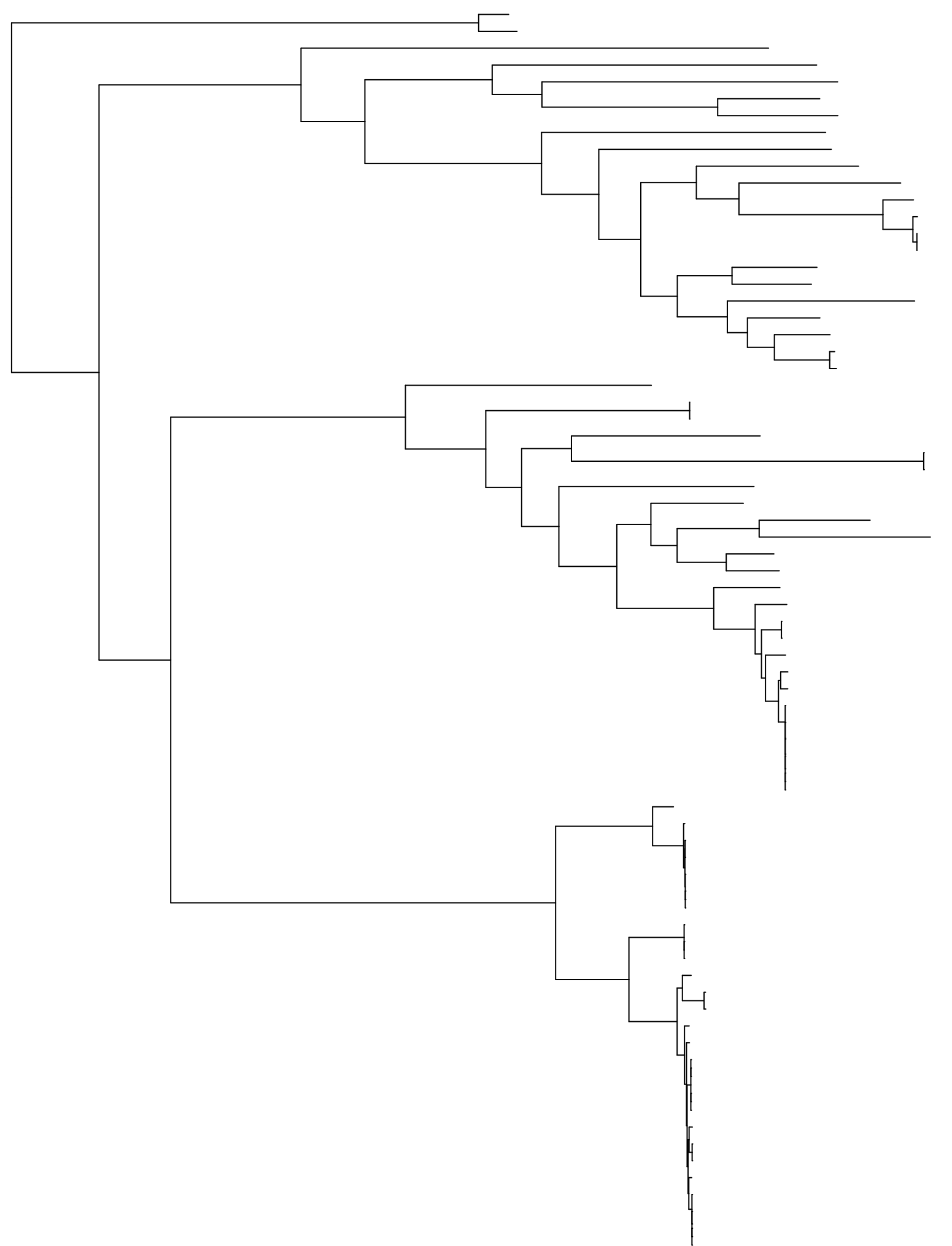
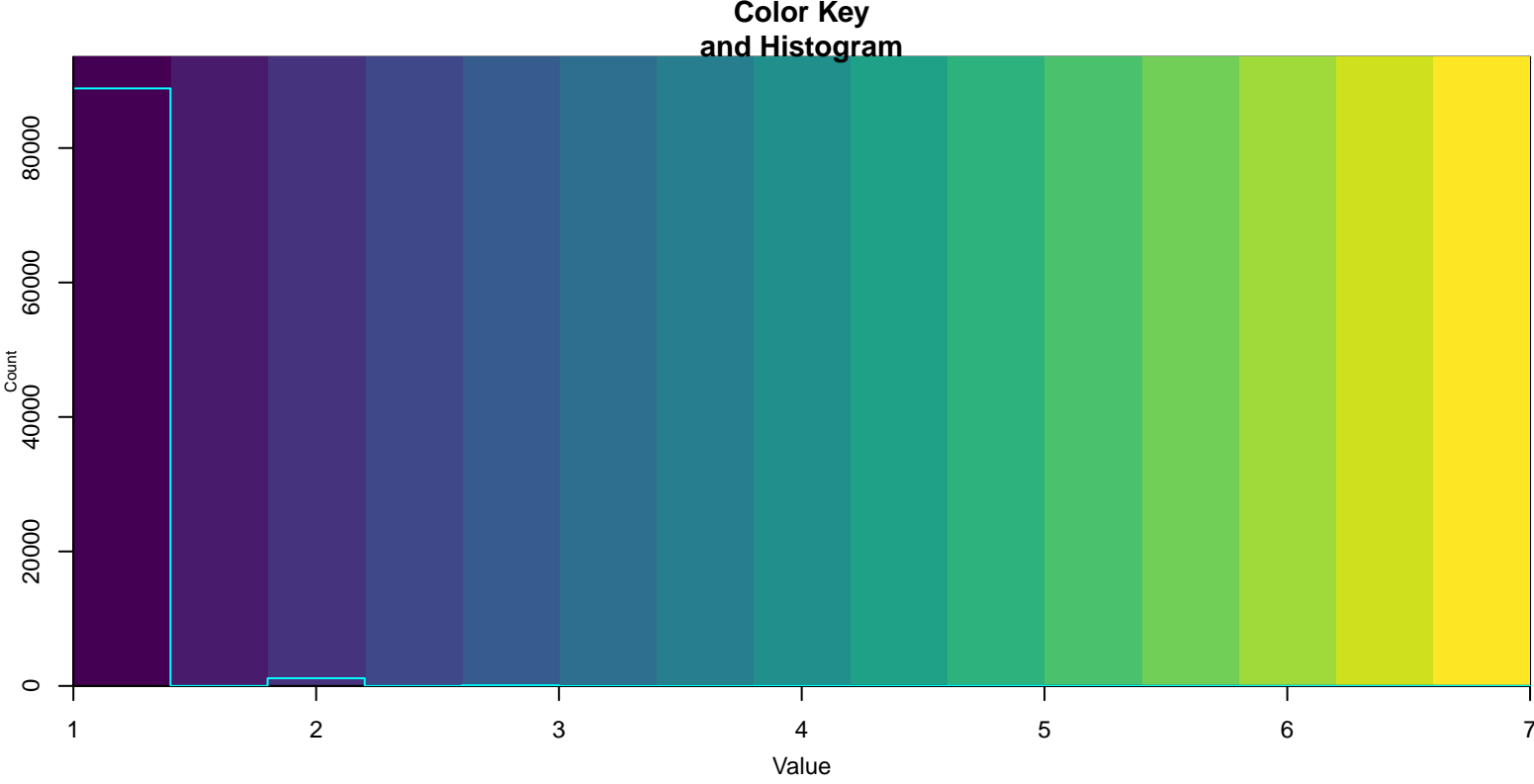
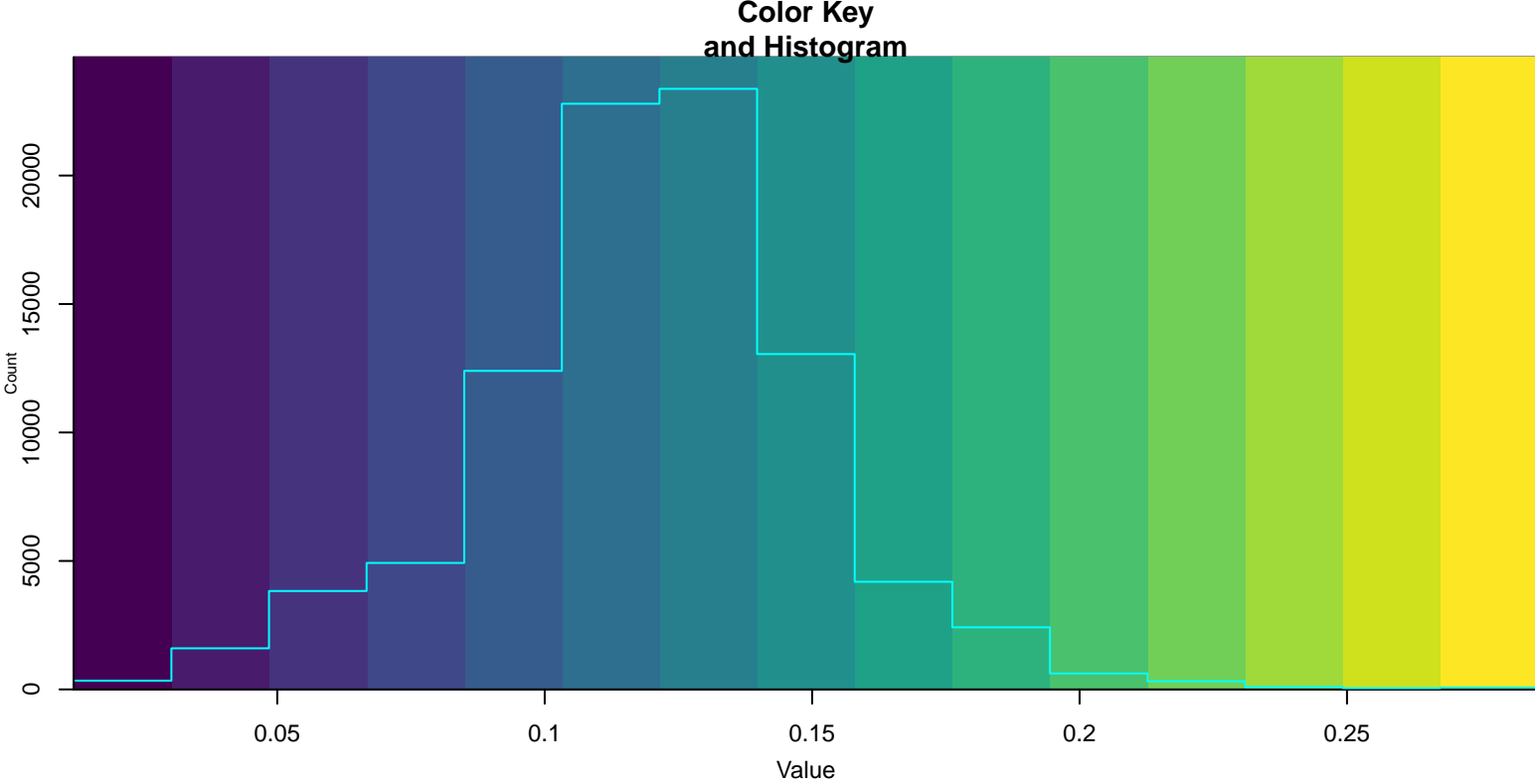


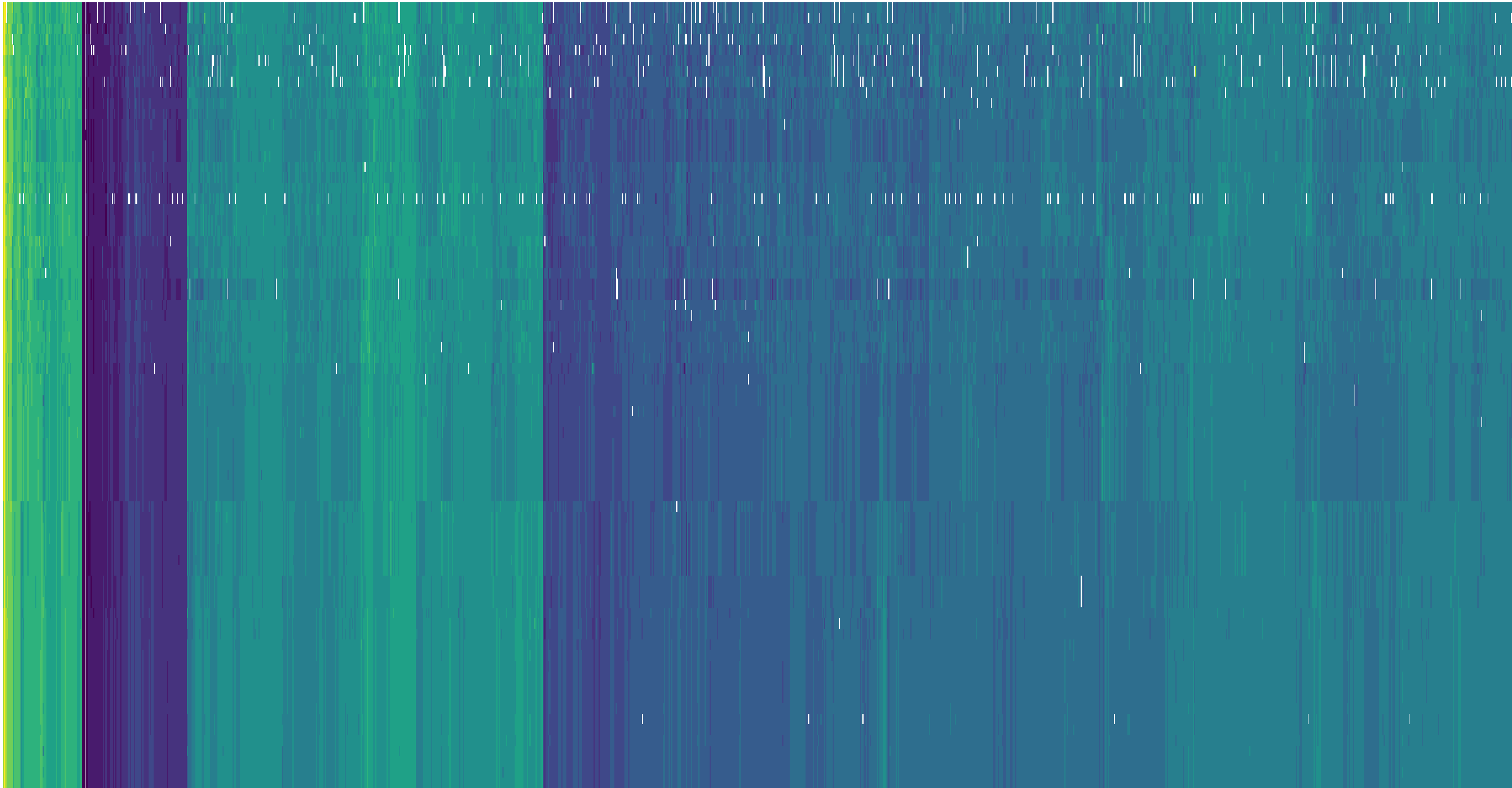
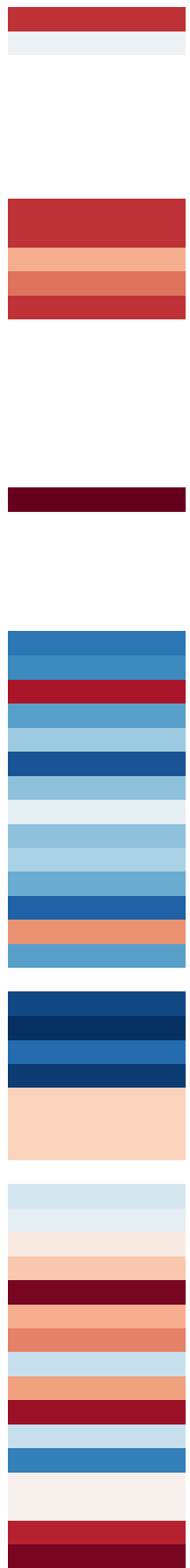
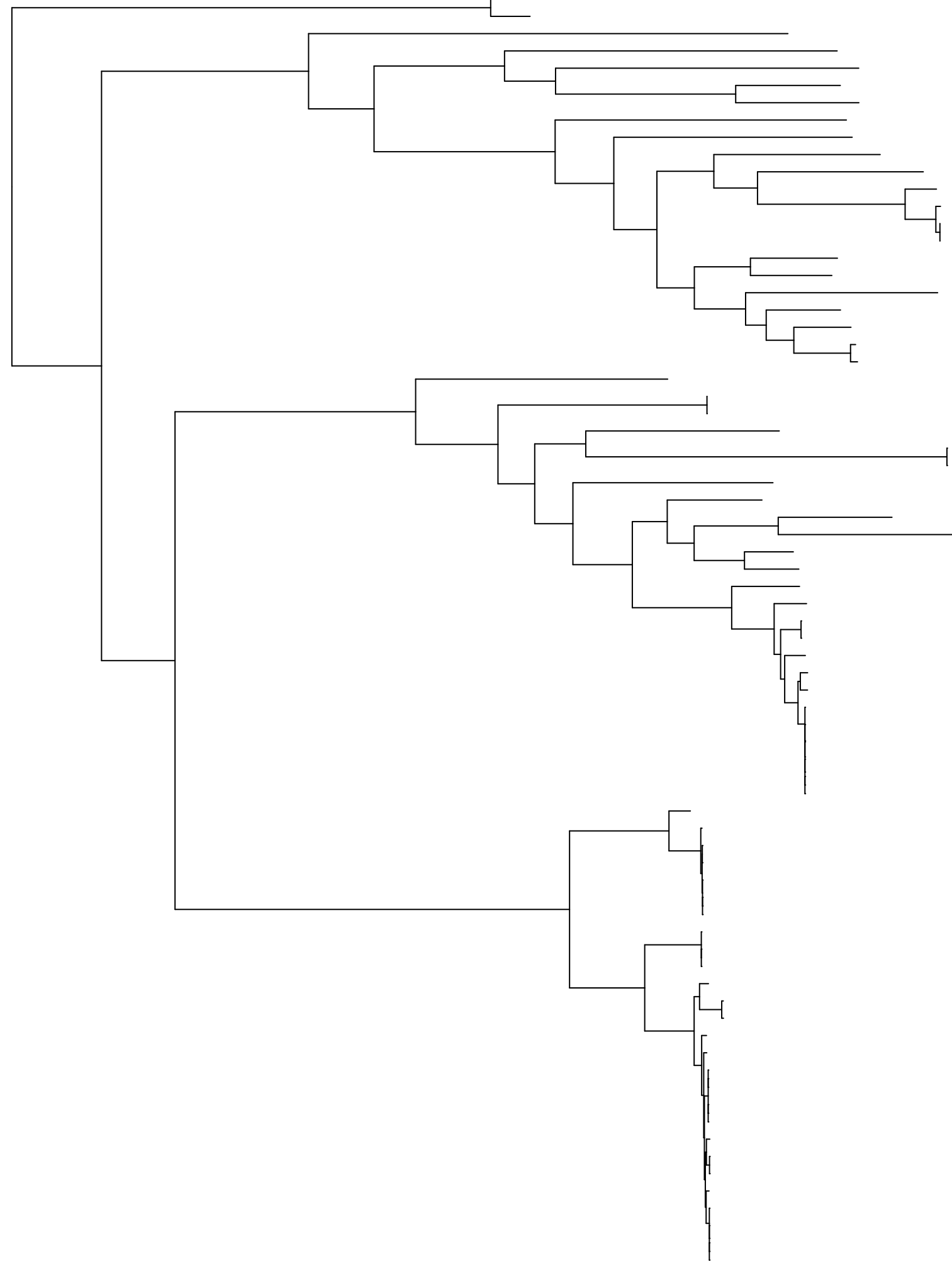
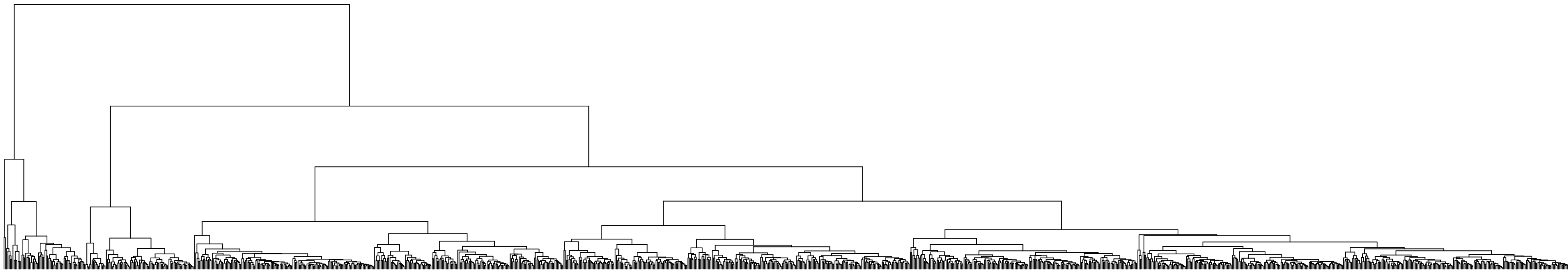
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Cotwellia sp. Bin11-node4
Cotwellia sp. A3T
Cotwellia sp. OISW-25
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Cotwellia sp. 12G3
Cotwellia psychrerythraea ND2E
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Cotwellia demingiae strain ACAM 459
Cotwellia sp. Bg11-28
Cotwellia psychrerythraea 34H
Cotwellia mytili strain KCTC 52417
Cotwellia aestuarii strain CGMCC1.6965
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Cotwellia sp. NB097-1 strain NB097-1
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Cotwellia hornerae strain IC036
Cotwellia hornerae strain IC037
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Cotwellia sp. BRX8-5



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Cotwellia sp. RSH04
Cotwellia sp. 20A7
Cotwellia sp. 39_35_sub15_T18 strain 39_35_sub15
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Cotwellia sp. Bin11-node4
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Cotwellia marinimaniae strain MTCD1
Cotwellia sp. 75C3
Cotwellia sp. 12G3
Cotwellia psychrerythraea ND2E
Cotwellia psychrerythraea strain 38_32_sub10_T18
Cotwellia demingiae strain ACAM 459
Cotwellia sp. Bg11-28
Cotwellia psychrerythraea 34H
Cotwellia mytili strain KCTC 52417
Cotwellia aestuarii strain CGMCC1.6965
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Cotwellia chukchiensis strain CGMCC 1.9127
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Cotwellia sp. BRX10-3
Cotwellia sp. Arc7-D
Cotwellia polaris strain MCCC1C00015
Cotwellia sp. PAMC 21821 strain PAMC 21821
Cotwellia sp. NB097-1 strain NB097-1
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Cotwellia sp. MB02u-11
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Cotwellia hornerae strain IC036
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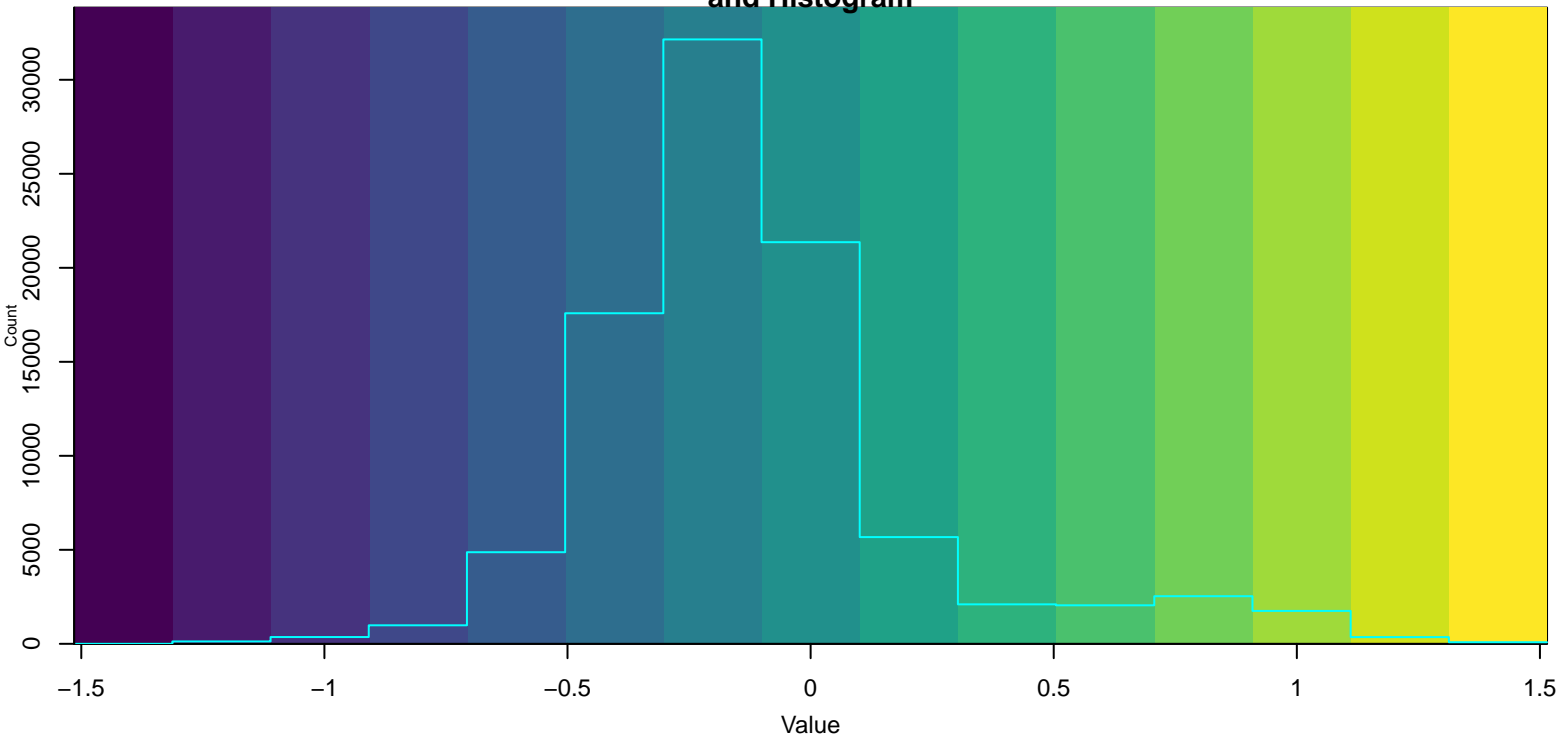


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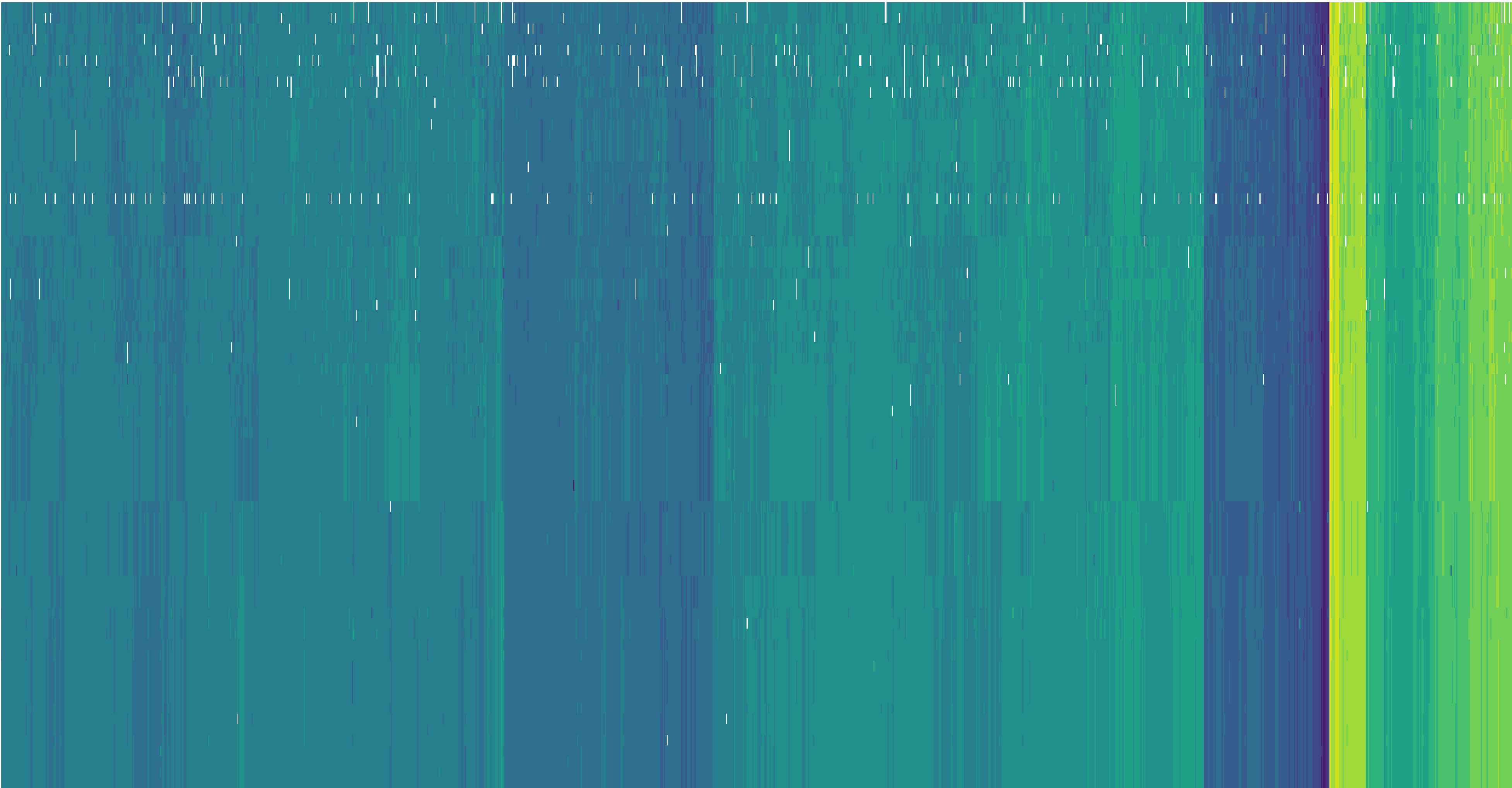
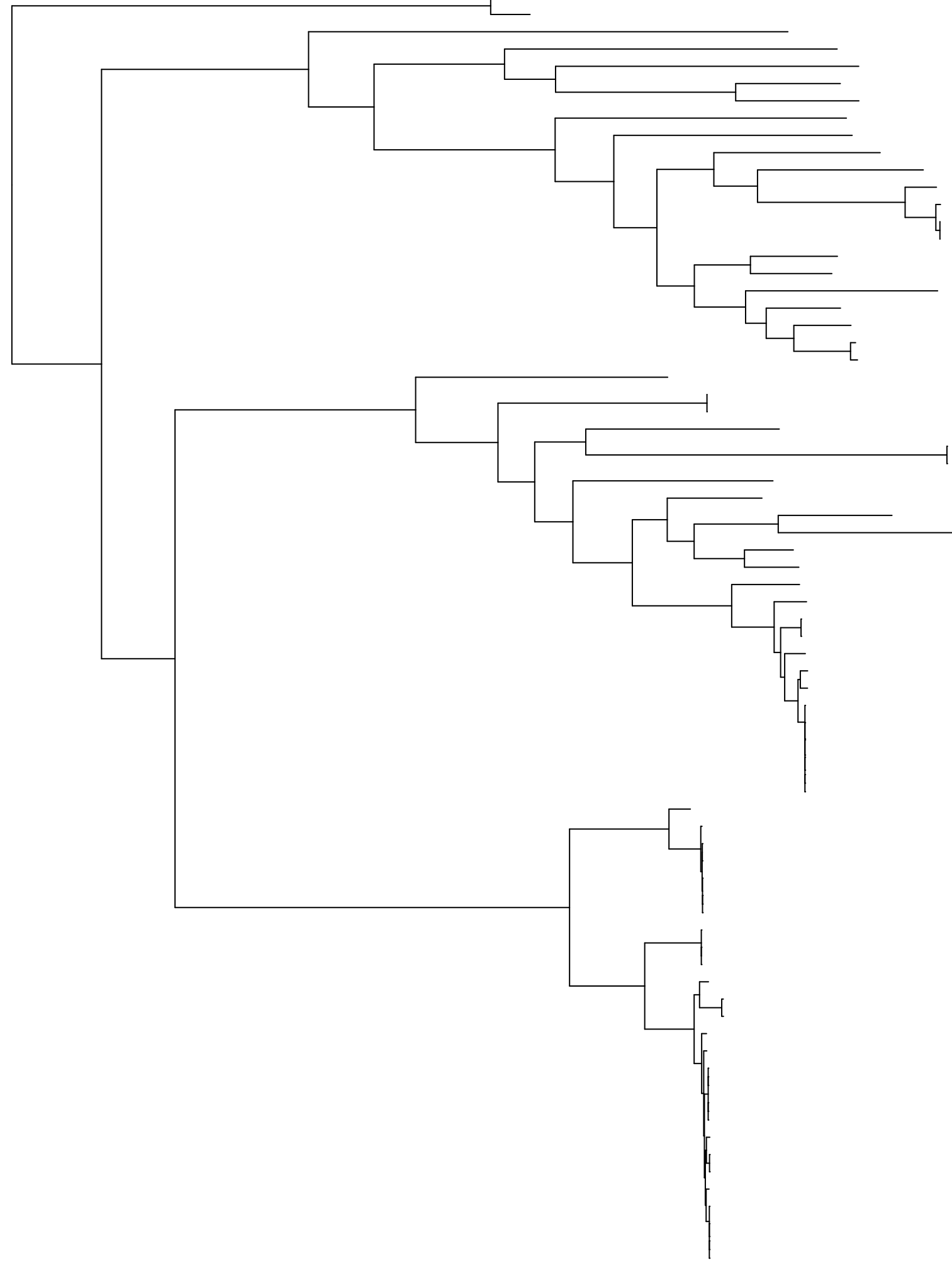
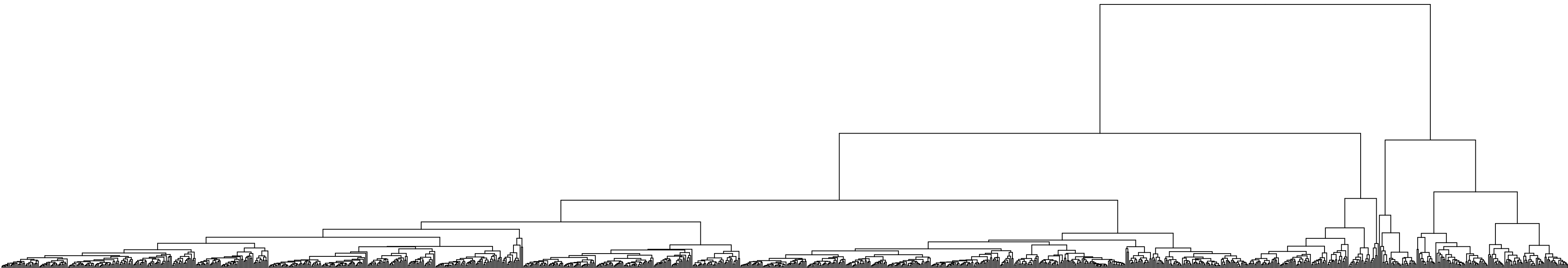


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Cowellia sp. A3T
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Cowellia sp. PAMC 21821 strain PAMC 21821
Cowellia sp. NB097-1 strain NB097-1
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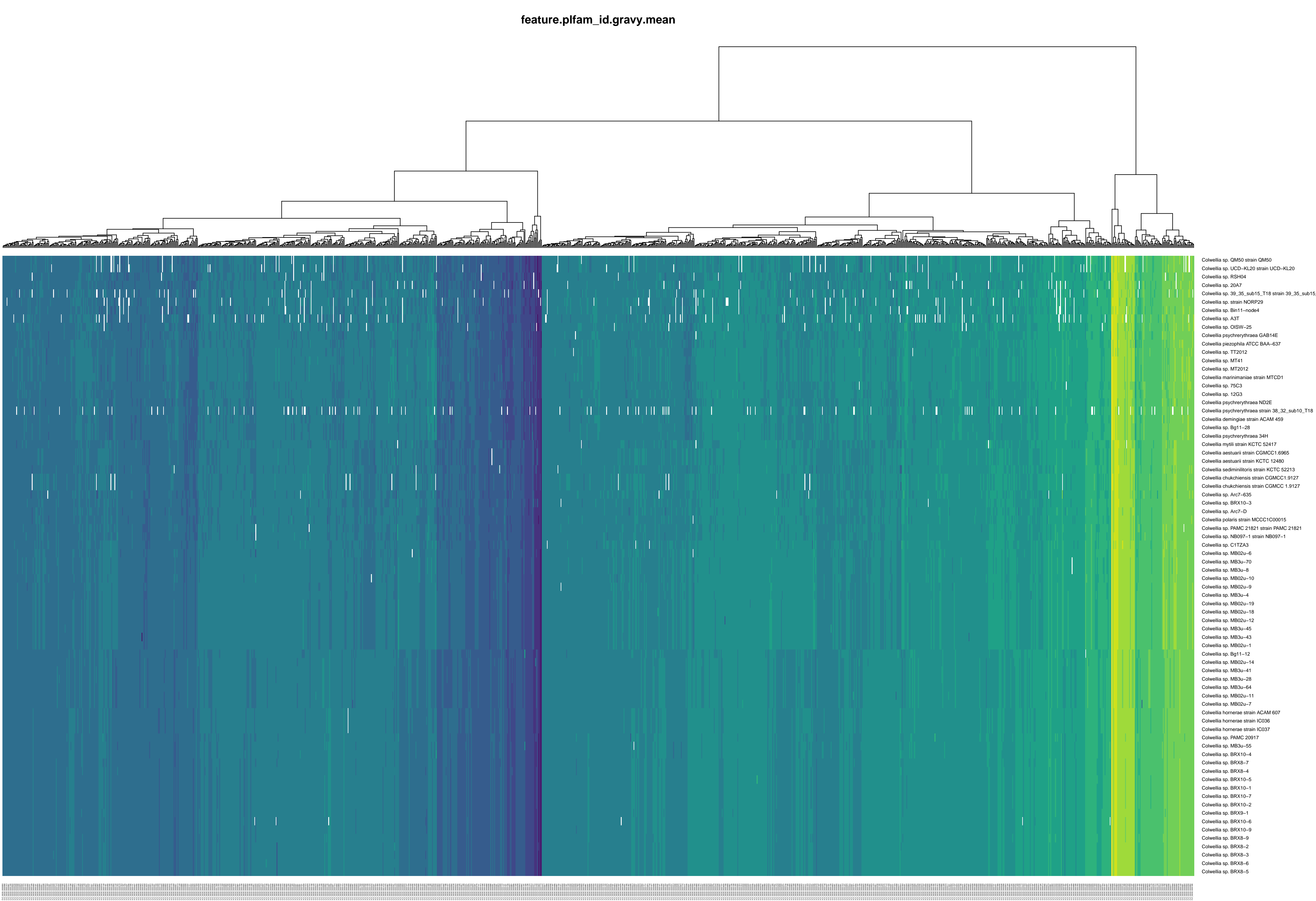
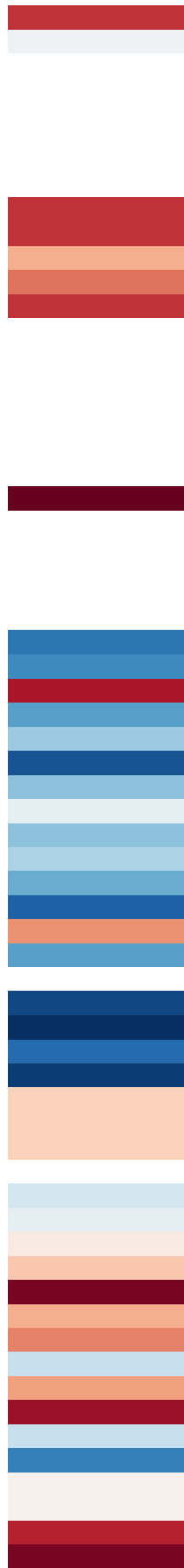
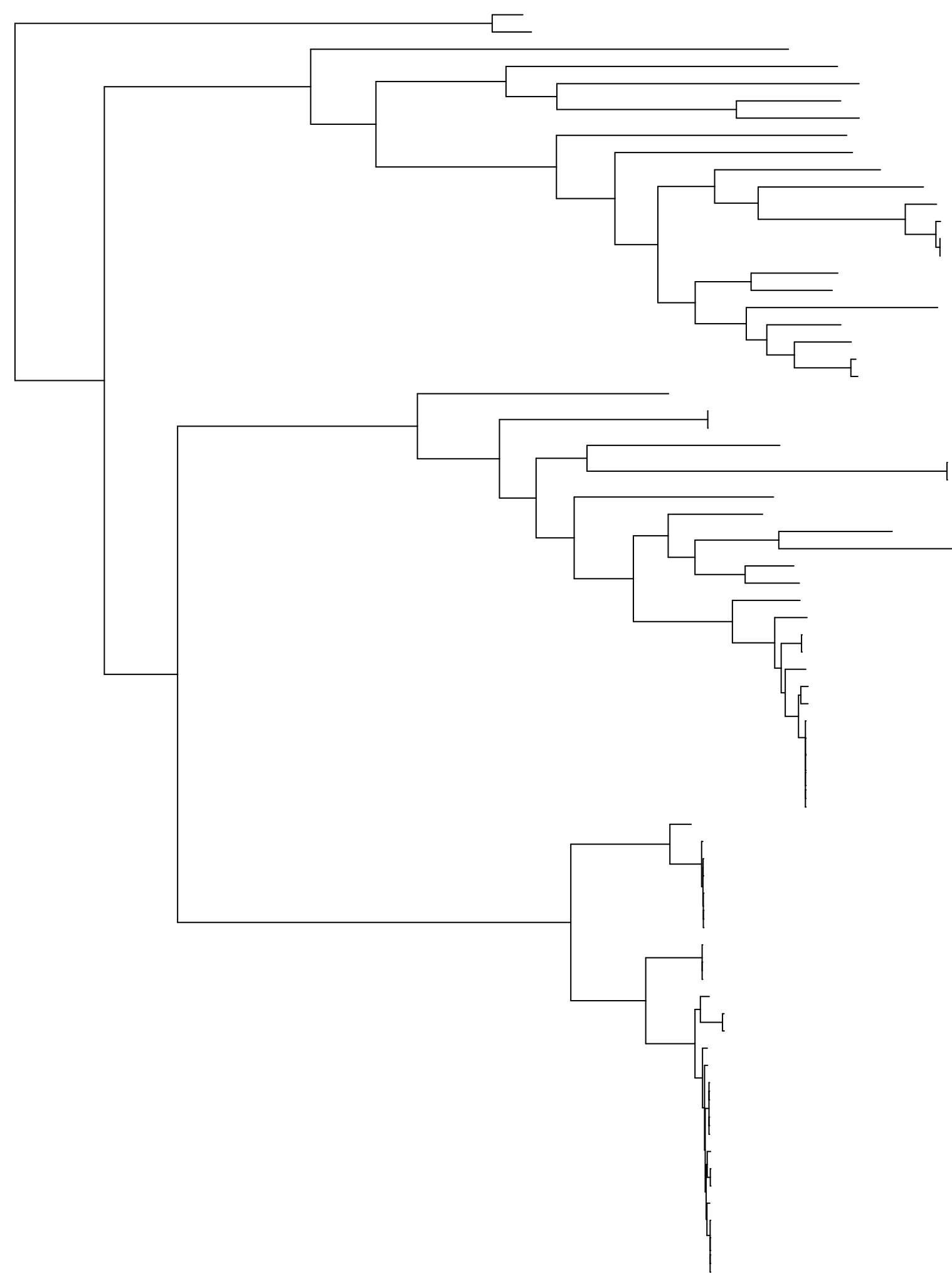
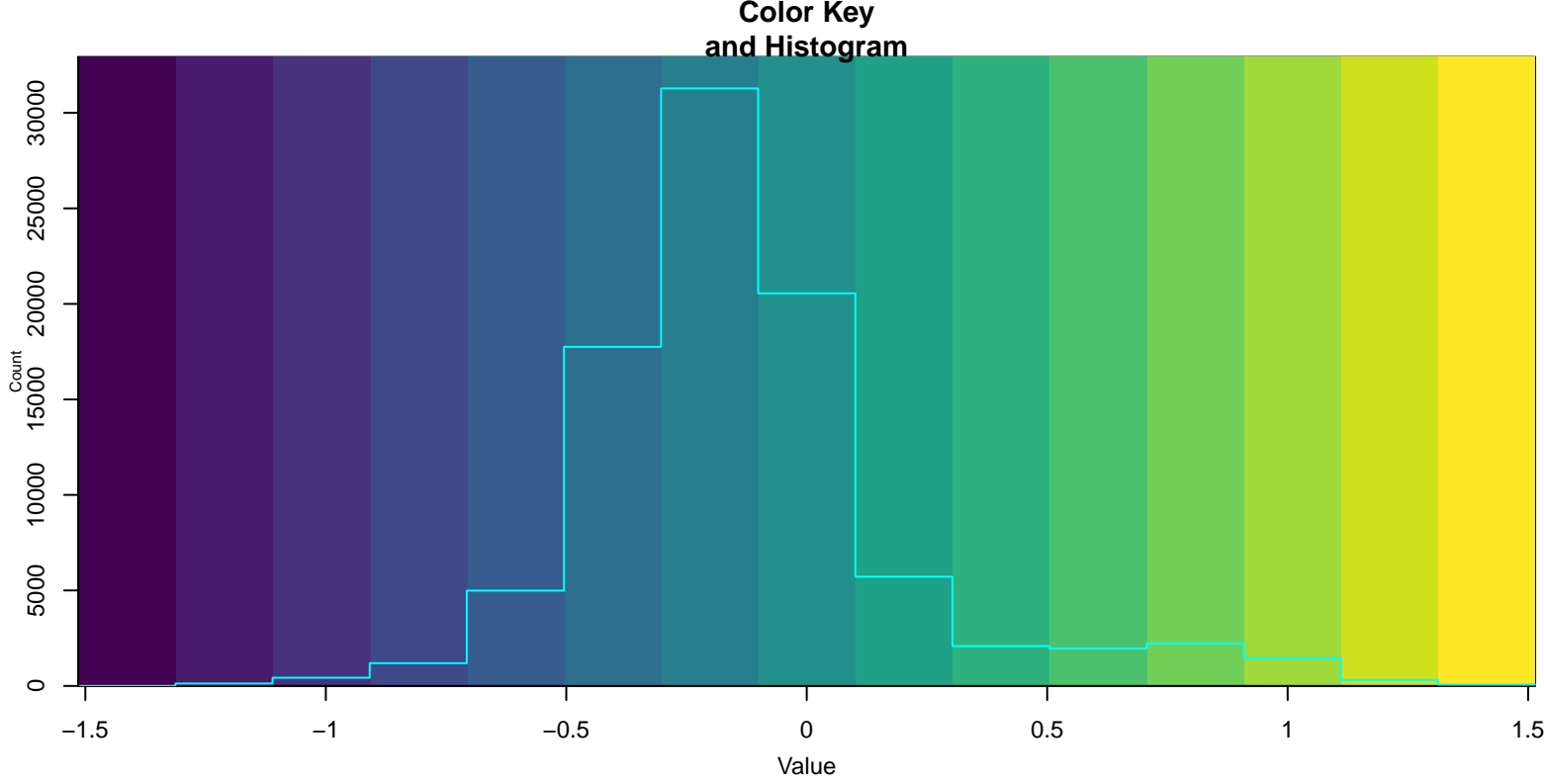
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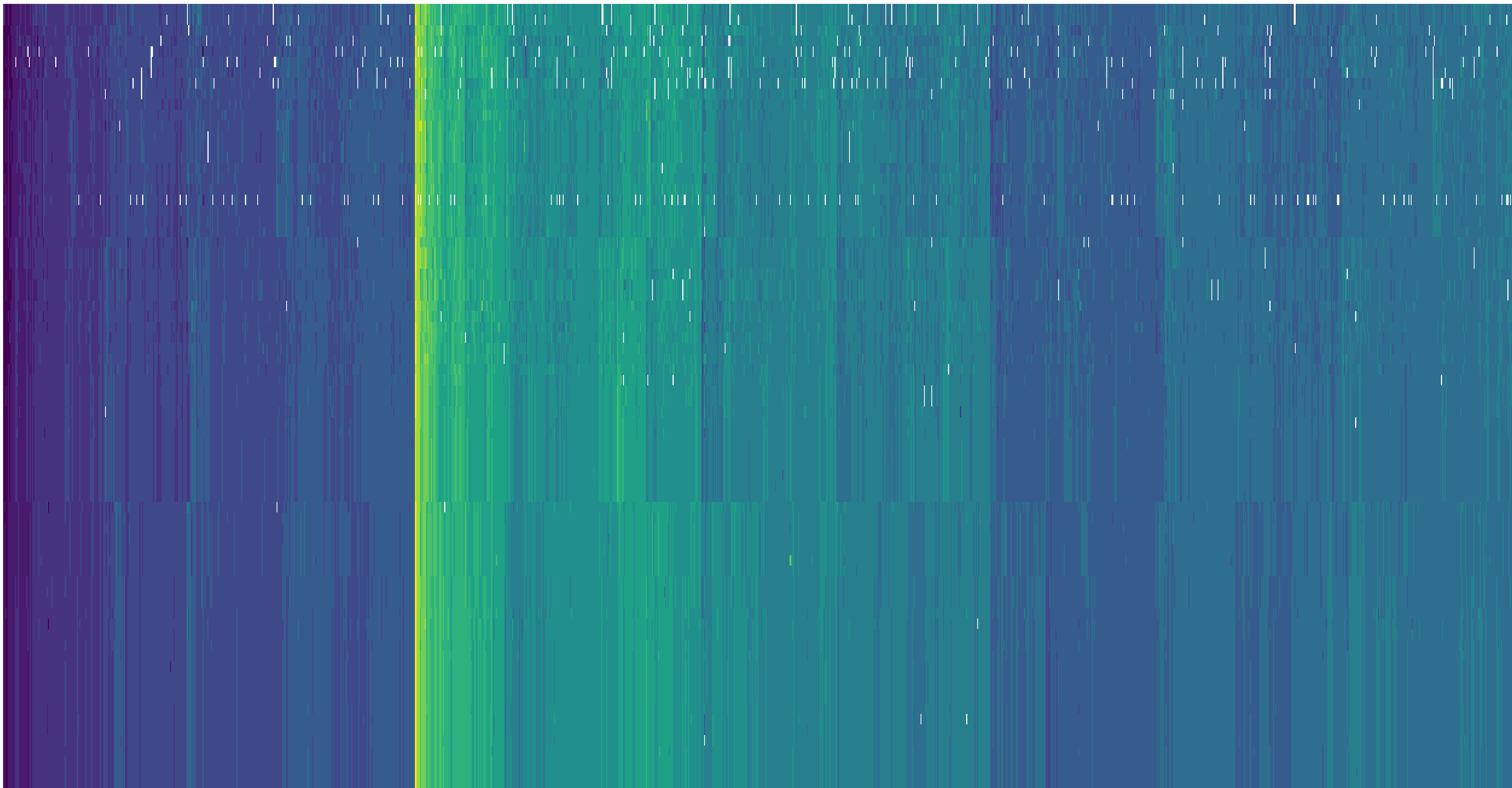
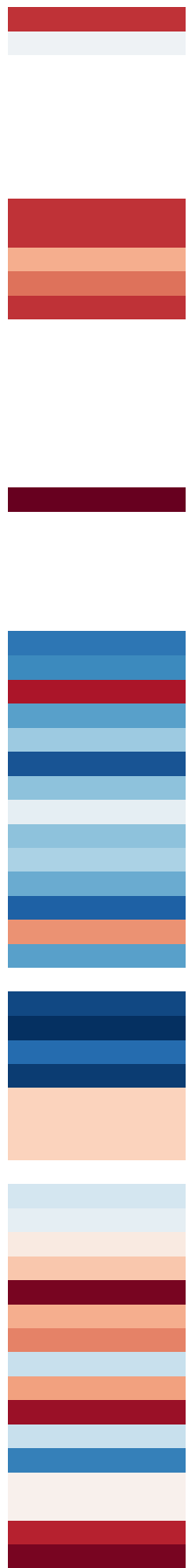
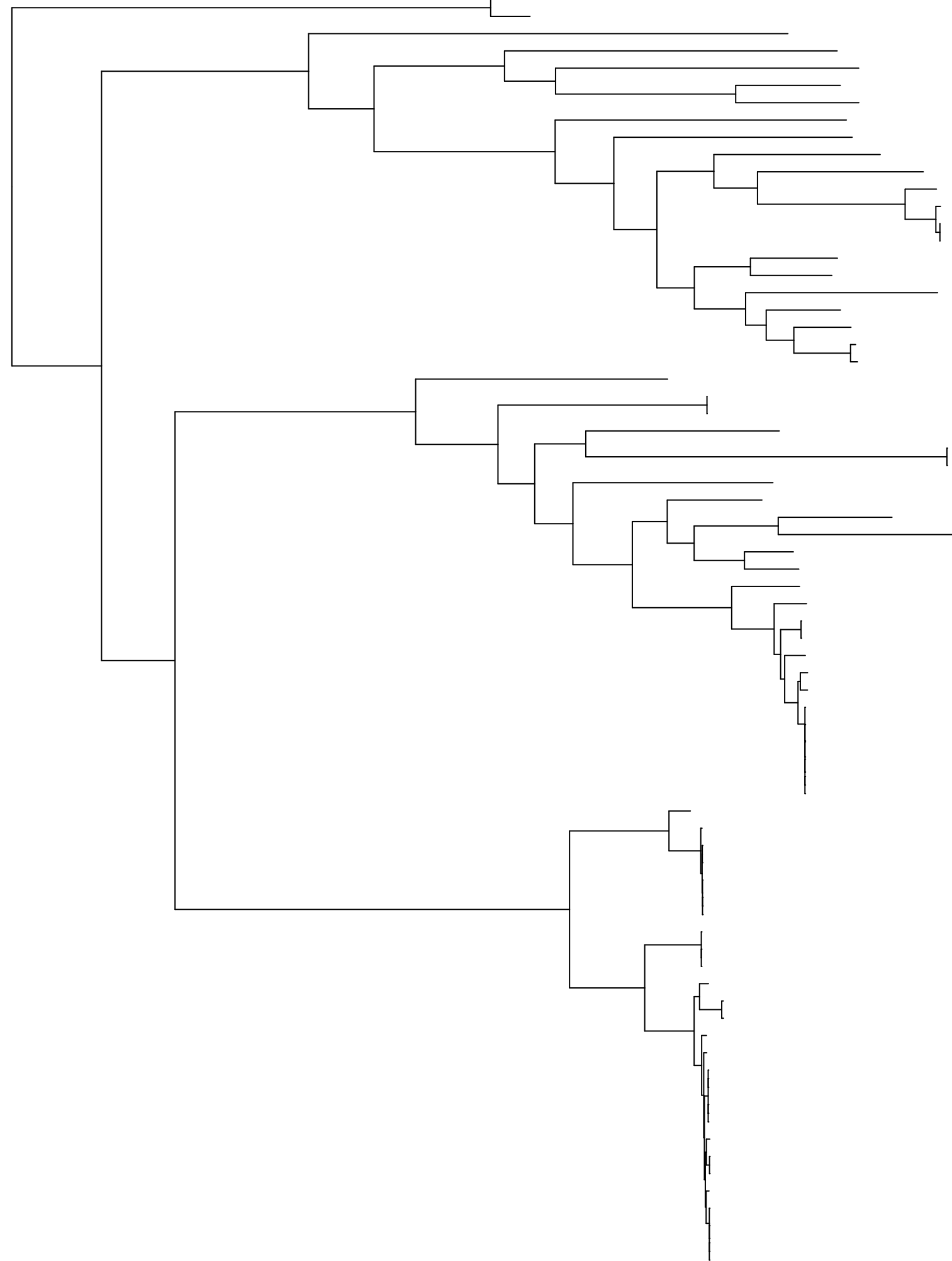
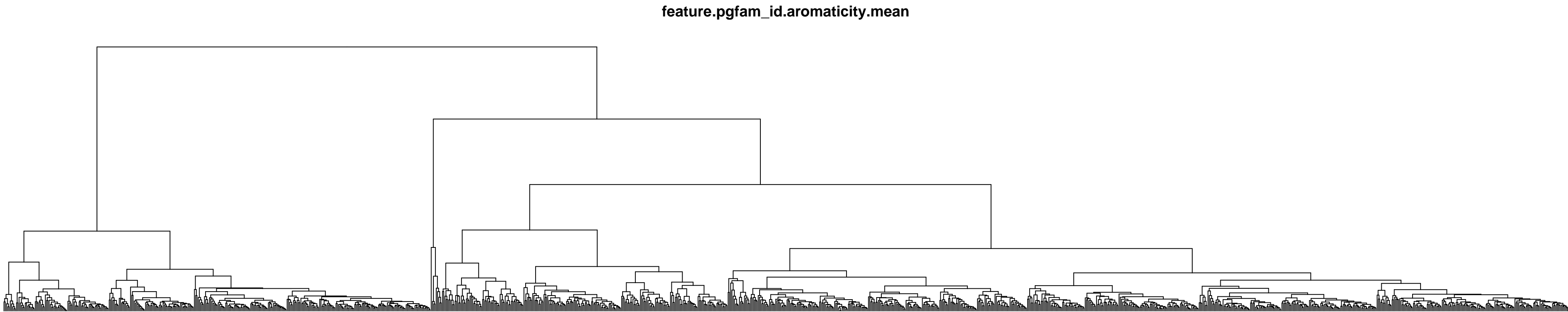
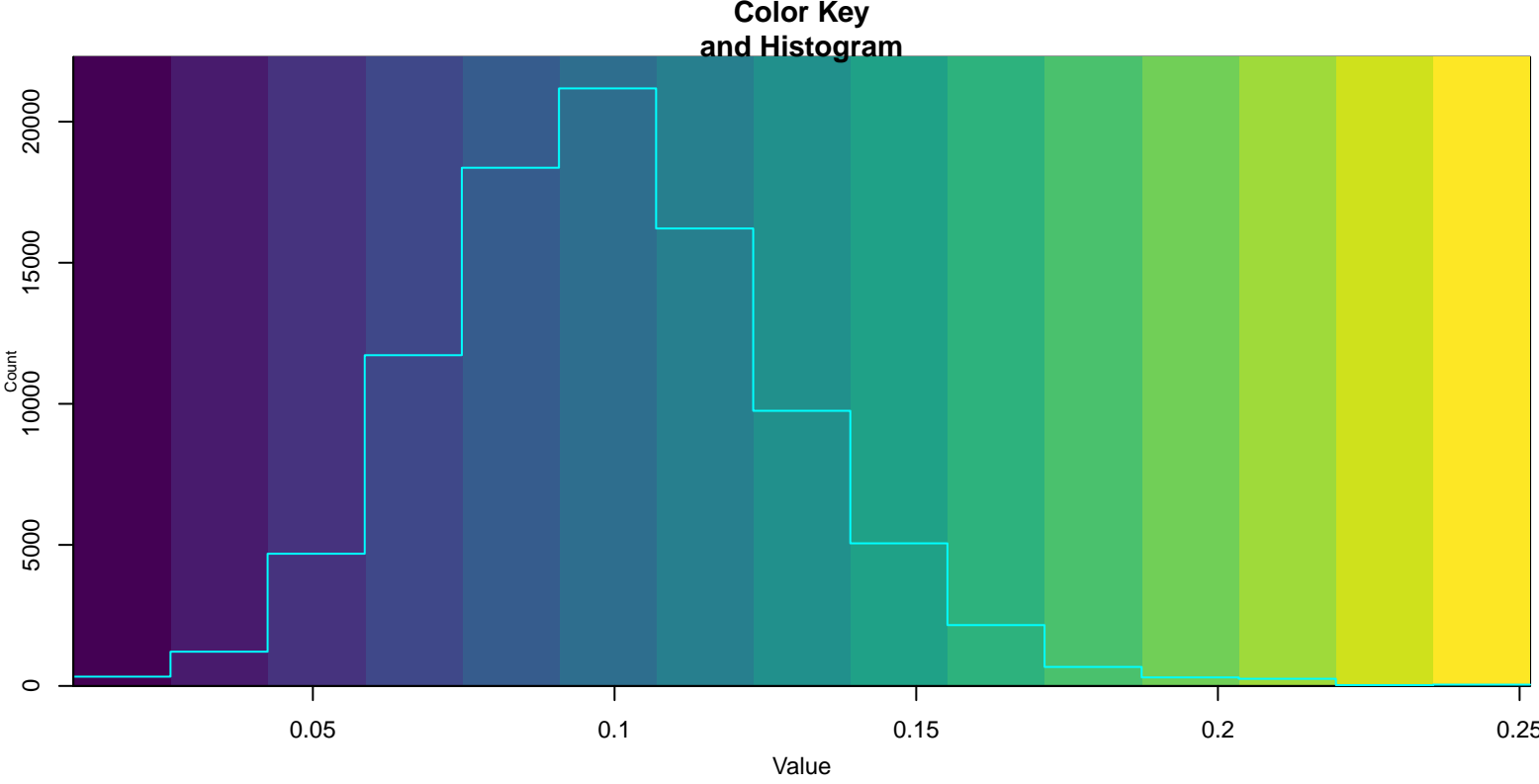


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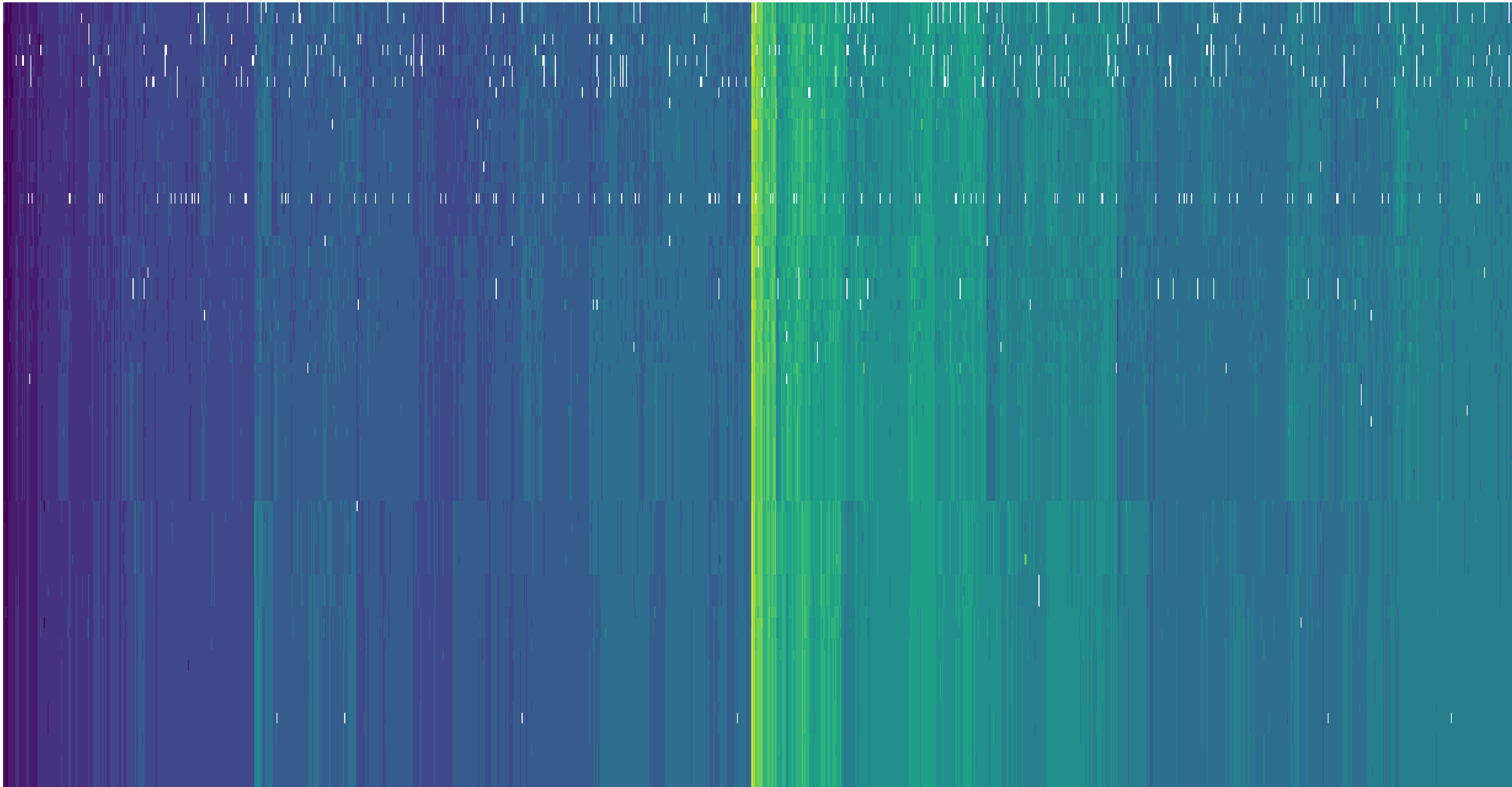
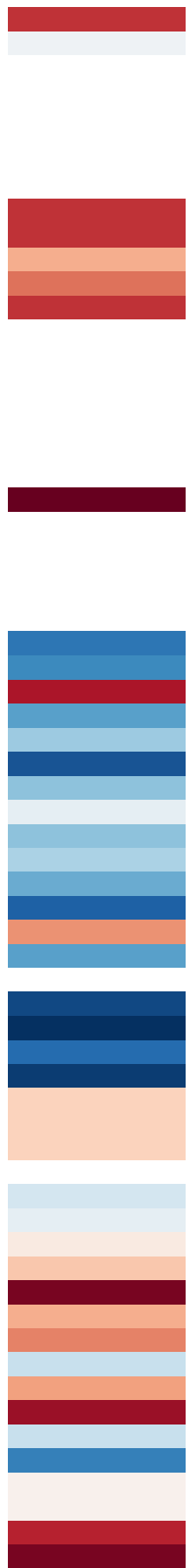
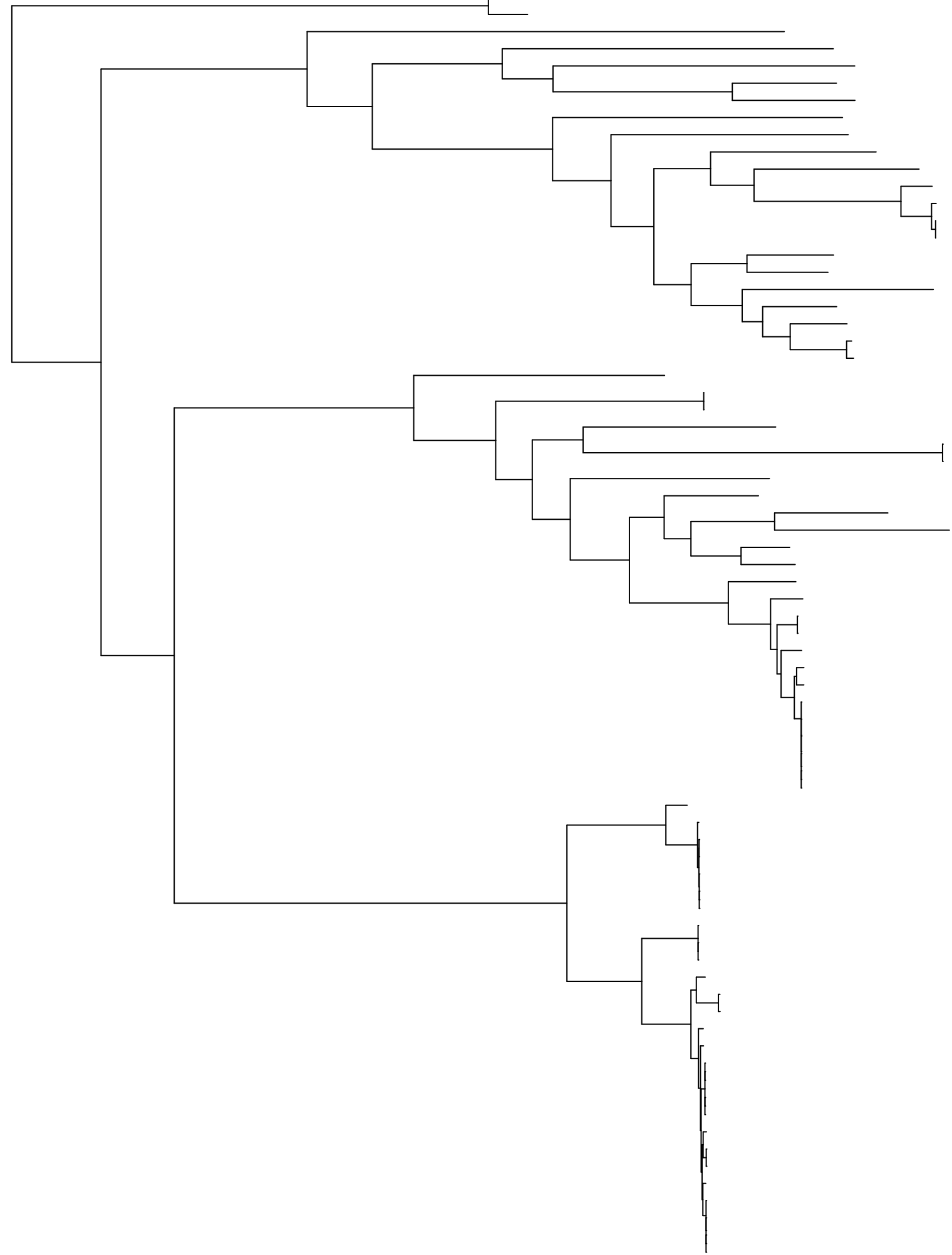
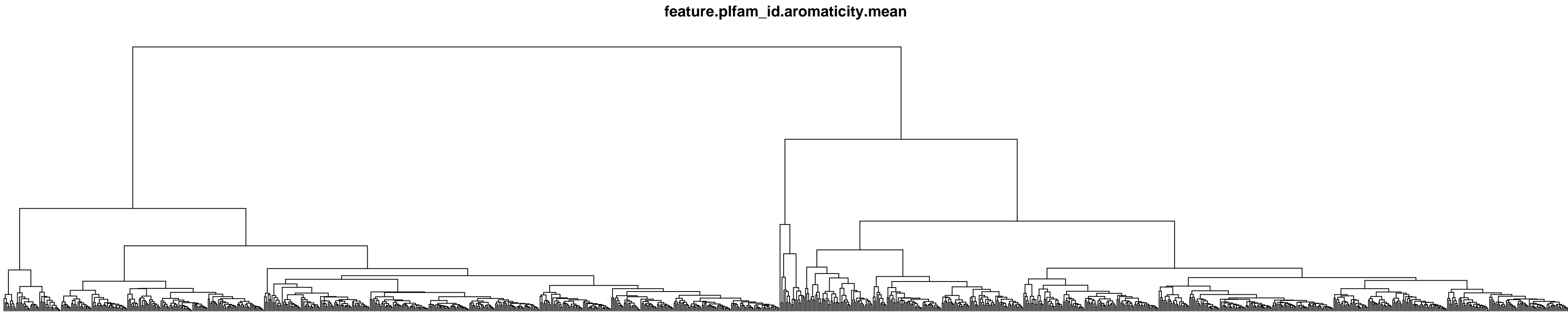
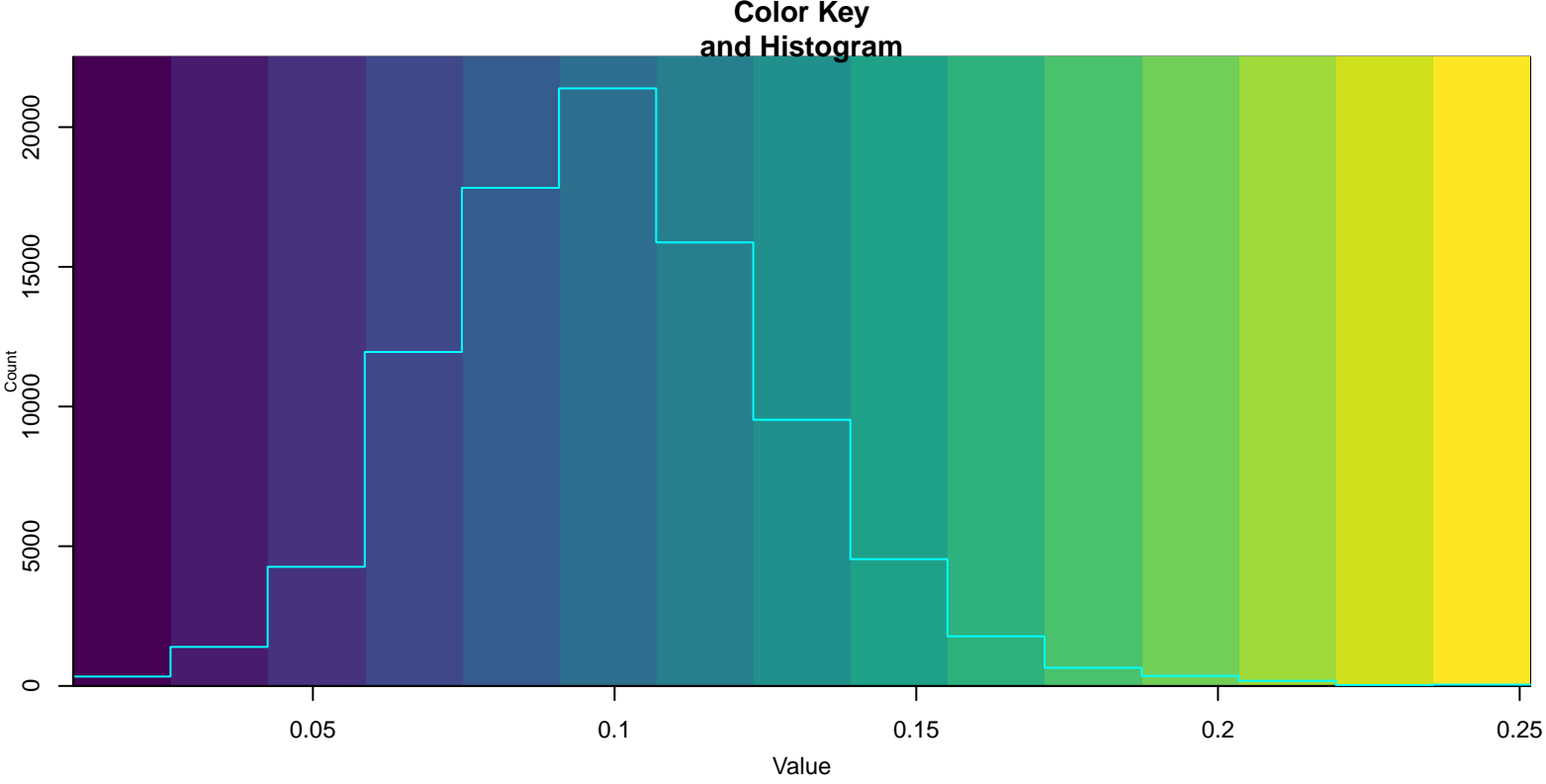


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Cotwellia sp. 20A7
Cotwellia sp. 39_35_sub15_T18 strain 39_35_sub15_T18
Cotwellia sp. strain NORP29
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Cotwellia sp. A3T
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Cotwellia psychrerythraea GAB14E
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Cotwellia sp. MT41
Cotwellia sp. MT2012
Cotwellia marinimaniae strain MTCD1
Cotwellia sp. 75C3
Cotwellia sp. 12G3
Cotwellia psychrerythraea ND2E
Cotwellia psychrerythraea strain 38_32_sub10_T18
Cotwellia demingiae strain ACAM 459
Cotwellia sp. Bg11-28
Cotwellia psychrerythraea 34H
Cotwellia mytili strain KCTC 52417
Cotwellia aestuarii strain CGMCC1.6965
Cotwellia sediminitoris strain KCTC 12480
Cotwellia chukchiensis strain CGMCC1.9127
Cotwellia chukchiensis strain CGMCC1.9127
Cotwellia sp. Arc7-635
Cotwellia sp. BRX10-3
Cotwellia sp. Arc7-D
Cotwellia polaris strain MCCC1C00015
Cotwellia sp. PAMC 21821 strain PAMC 21821
Cotwellia sp. NB097-1 strain NB097-1
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Cotwellia sp. MB02u-6
Cotwellia sp. MB3u-70
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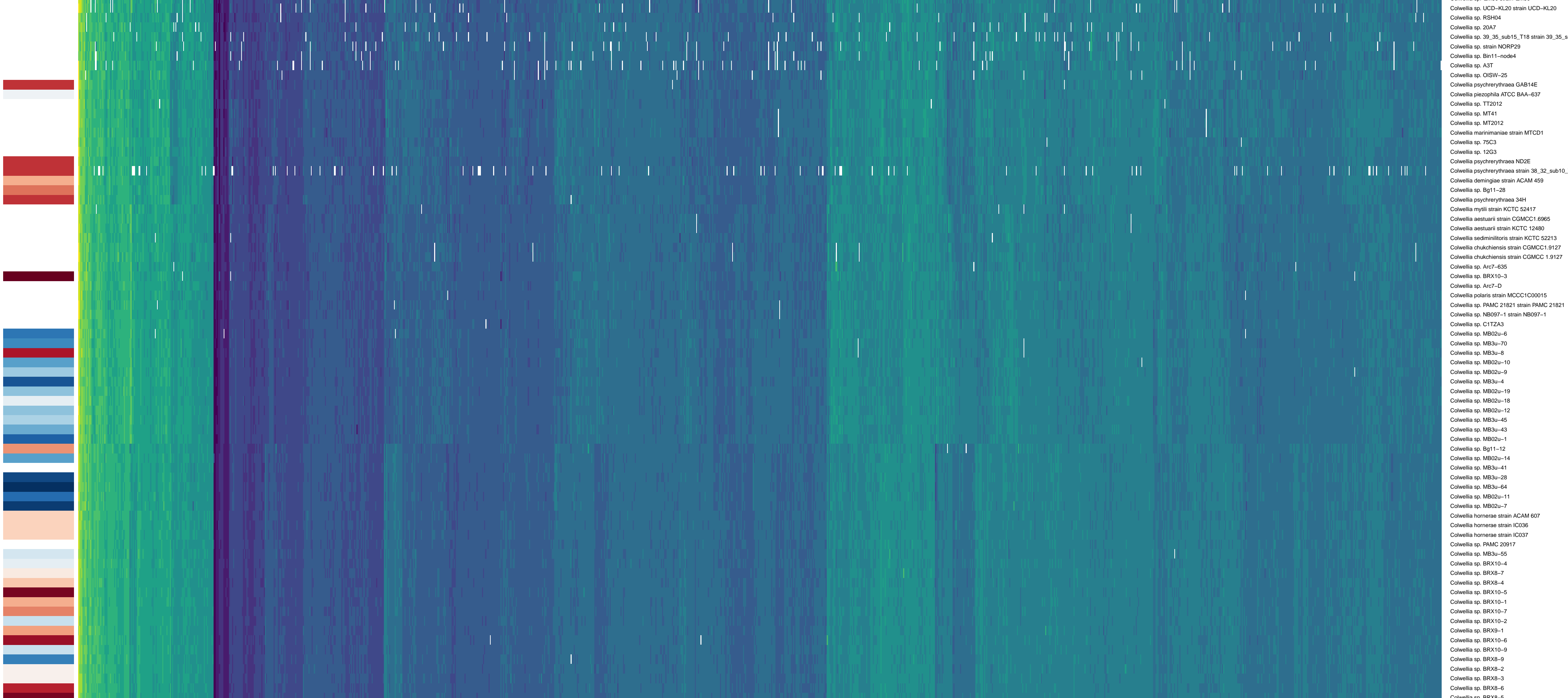
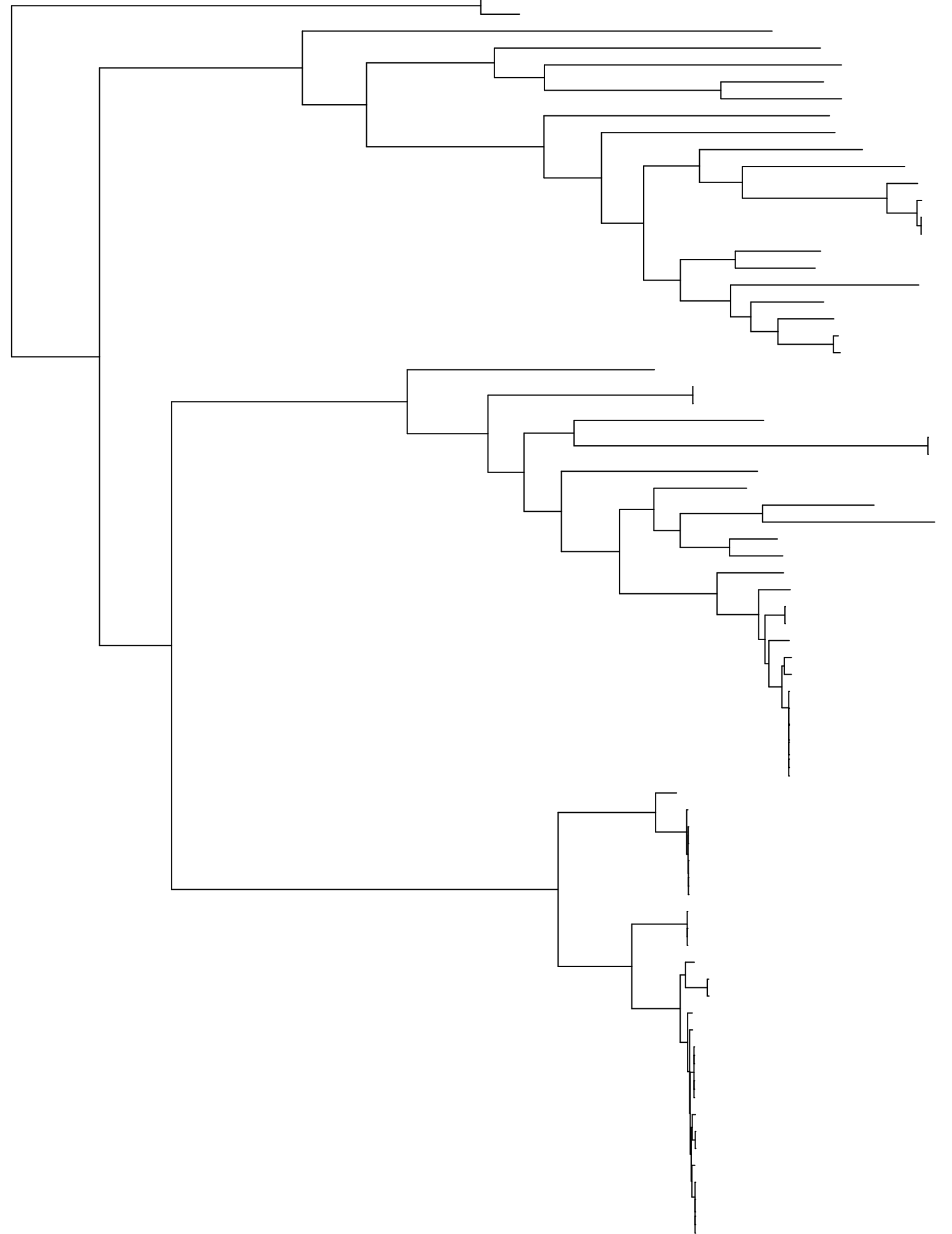
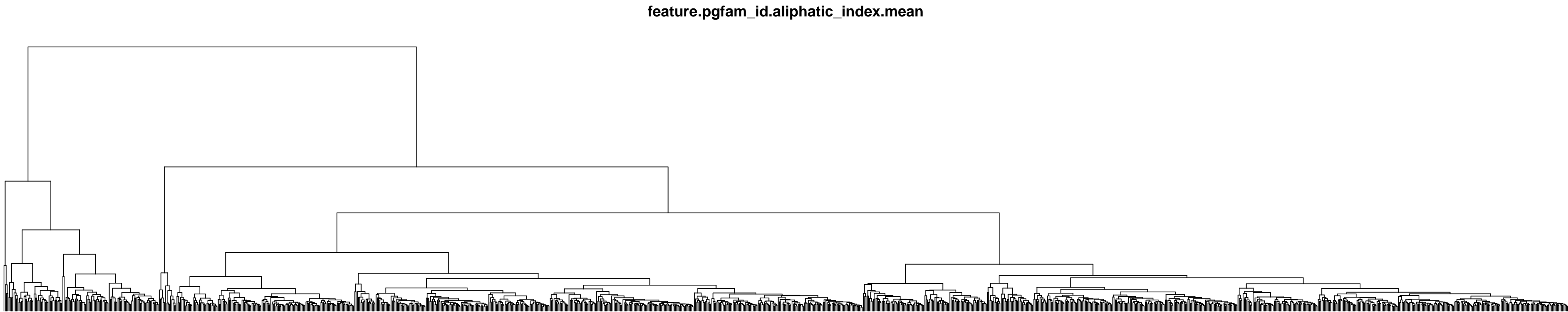
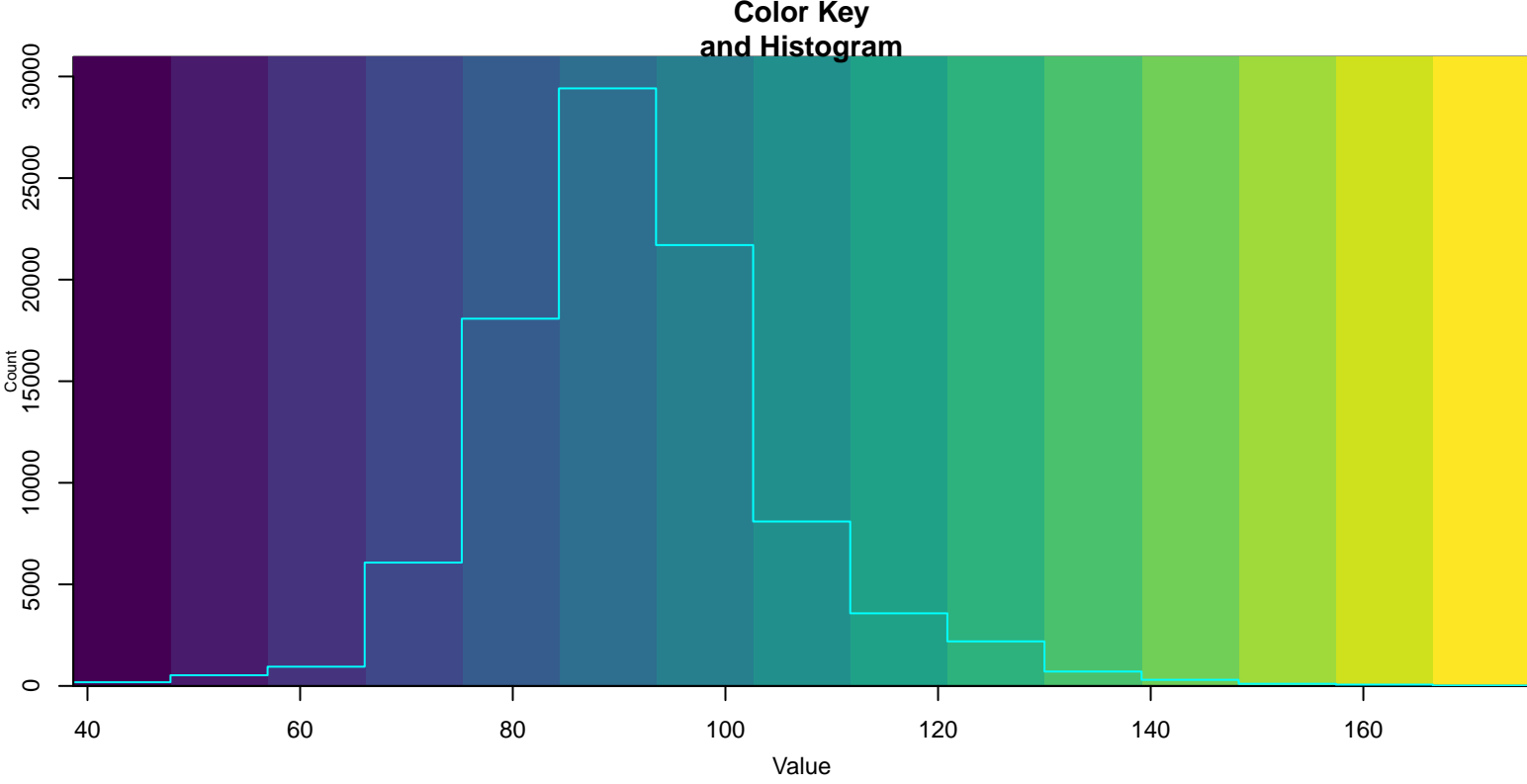


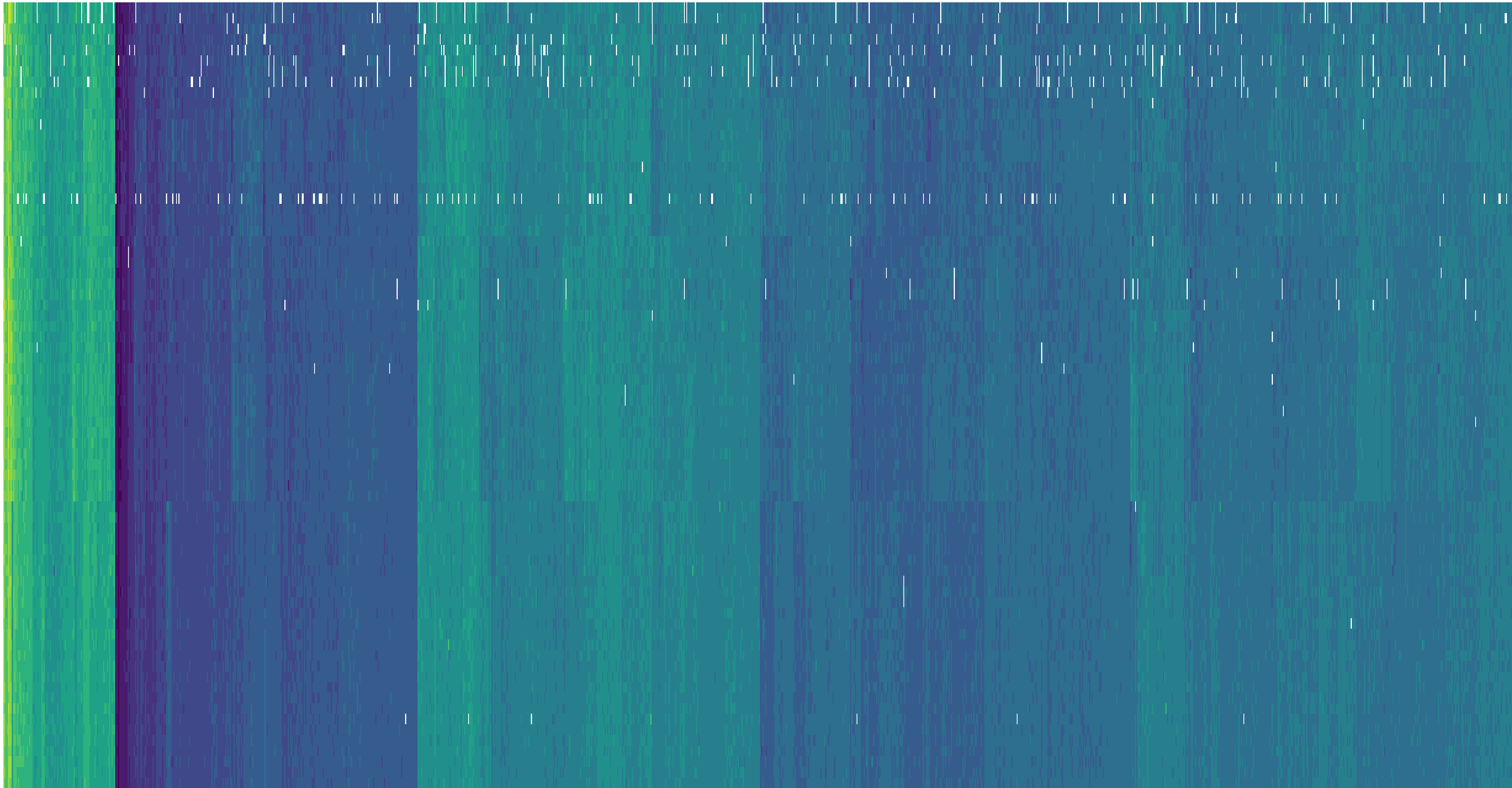
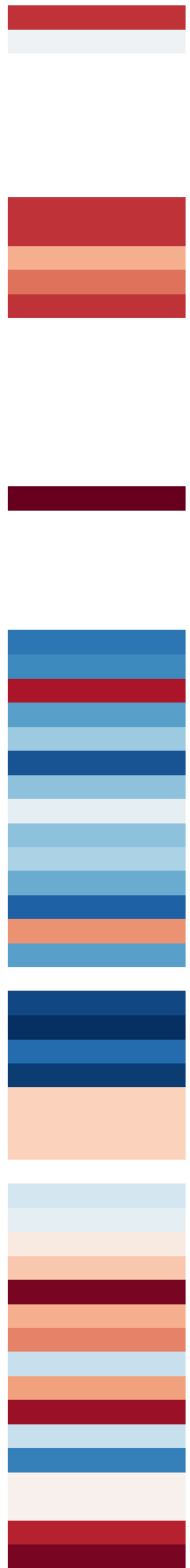
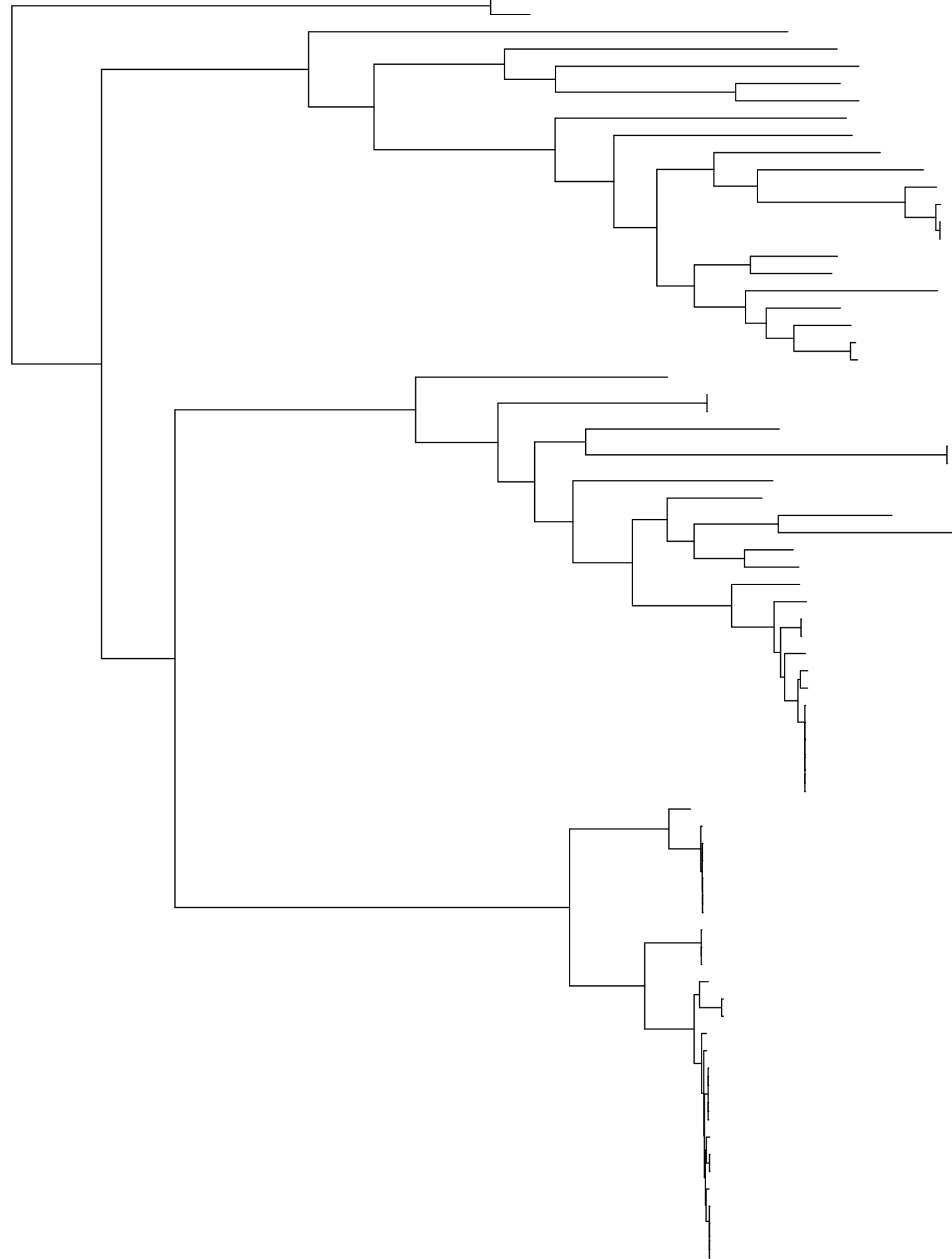
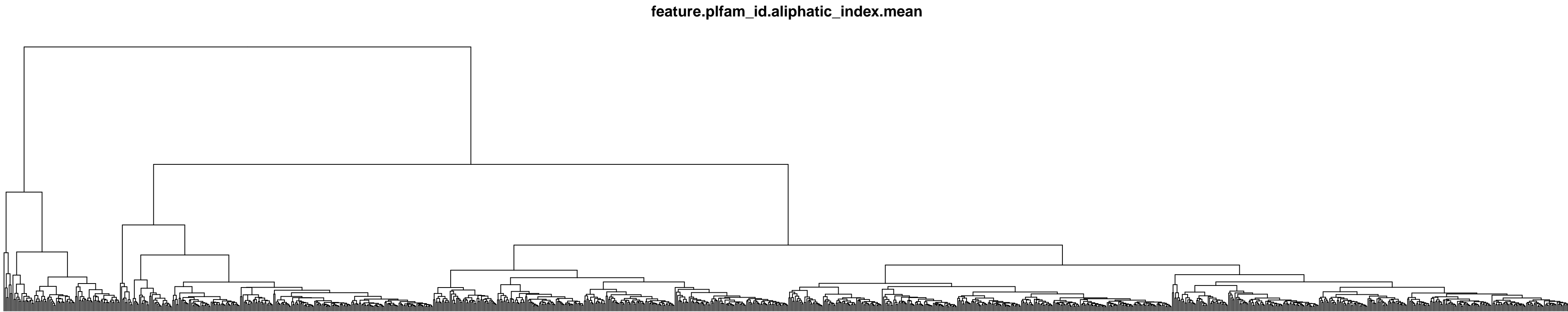
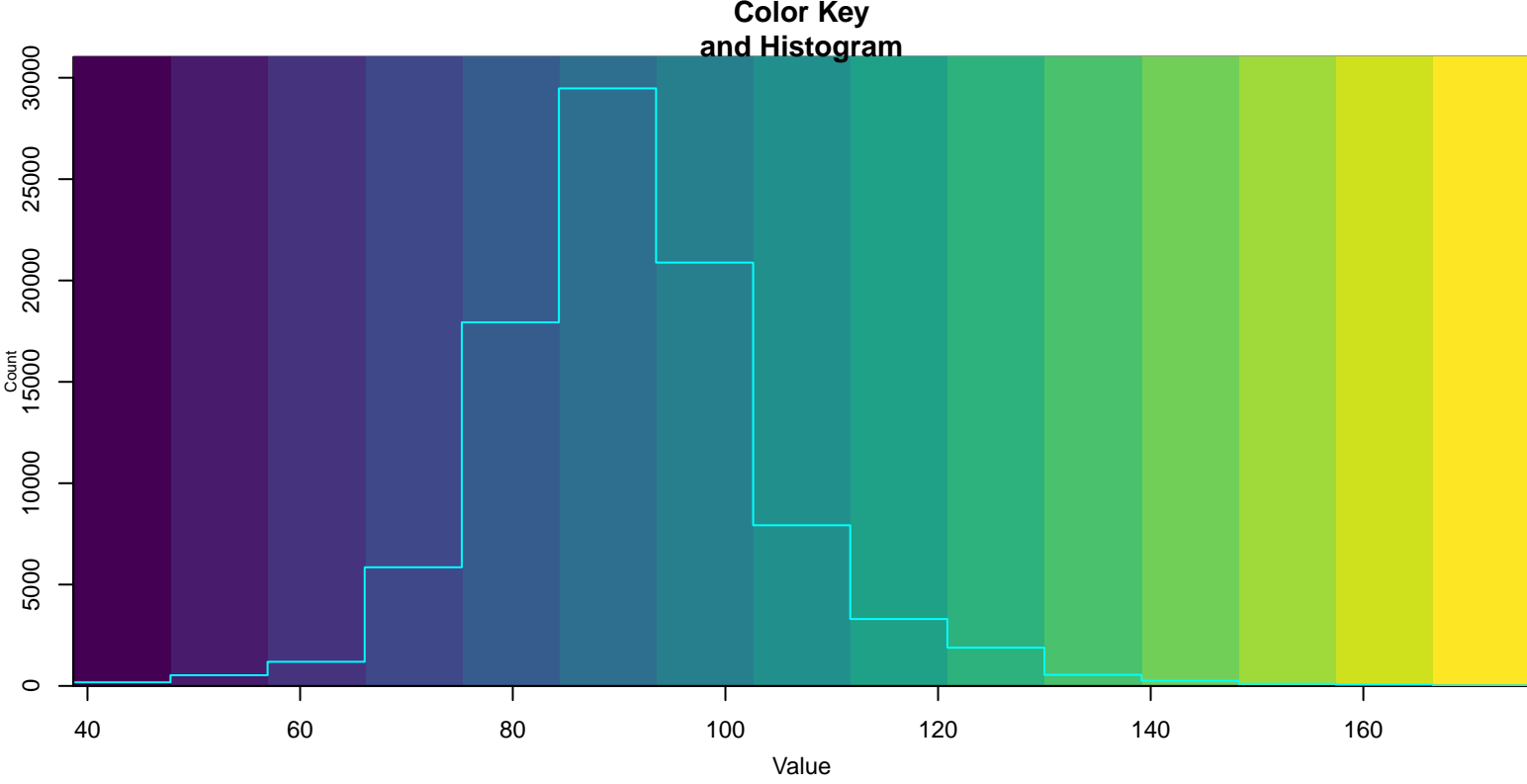


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Cotwellia sp. PAMC 21821 strain PAMC 21821
Cotwellia sp. NB097-1 strain NB097-1
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Cotwellia hornerae strain ACAM 607
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Cowellia sp. QM50 strain QM50
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Cowellia sp. 39_35_sub15_T18 strain 39_35_sub15
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Cowellia sp. Bg11-28
Cowellia psychrerythraea 34H
Cowellia mytili strain KCTC 52417
Cowellia aestuarii strain CGMCC1.6965
Cowellia sediminitoris strain KCTC 12480
Cowellia chukchiensis strain CGMCC1.9127
Cowellia chukchiensis strain CGMCC 1.9127
Cowellia sp. Arc7-635
Cowellia sp. BRX10-3
Cowellia sp. Arc7-D
Cowellia polaris strain MCCC1C00015
Cowellia sp. PAMC 21821 strain PAMC 21821
Cowellia sp. NB097-1 strain NB097-1
Cowellia sp. C1TZA3
Cowellia sp. MB02u-6
Cowellia sp. MB3u-70
Cowellia sp. MB3u-8
Cowellia sp. MB02u-10
Cowellia sp. MB02u-9
Cowellia sp. MB3u-4
Cowellia sp. MB02u-19
Cowellia sp. MB02u-18
Cowellia sp. MB02u-12
Cowellia sp. MB3u-45
Cowellia sp. MB3u-43
Cowellia sp. MB02u-1
Cowellia sp. Bg11-12
Cowellia sp. MB02u-14
Cowellia sp. MB3u-41
Cowellia sp. MB3u-28
Cowellia sp. MB3u-64
Cowellia sp. MB02u-11
Cowellia sp. MB02u-7
Cowellia hornerae strain ACAM 607
Cowellia hornerae strain IC036
Cowellia hornerae strain IC037
Cowellia sp. PAMC 20917
Cowellia sp. MB3u-55
Cowellia sp. BRX10-4
Cowellia sp. BRX8-7
Cowellia sp. BRX8-4
Cowellia sp. BRX10-5
Cowellia sp. BRX10-1
Cowellia sp. BRX10-7
Cowellia sp. BRX10-2
Cowellia sp. BRX9-1
Cowellia sp. BRX10-6
Cowellia sp. BRX10-9
Cowellia sp. BRX8-9
Cowellia sp. BRX8-2
Cowellia sp. BRX8-3
Cowellia sp. BRX8-6
Cowellia sp. BRX8-5





Cowellia sp. QM50 strain QM50
Cowellia sp. UCD-KL20 strain UCD-KL20
Cowellia sp. RSH04
Cowellia sp. 20A7
Cowellia sp. 39_35_sub15_T18 strain 39_35_sub15
Cowellia sp. strain NORP29
Cowellia sp. Bin11-node4
Cowellia sp. A3T
Cowellia sp. OISW-25
Cowellia psychrerythraea GAB14E
Cowellia piezophila ATCC BAA-637
Cowellia sp. TT2012
Cowellia sp. MT41
Cowellia sp. MT2012
Cowellia marinimaniae strain MTCD1
Cowellia sp. 75C3
Cowellia sp. 12G3
Cowellia psychrerythraea ND2E
Cowellia psychrerythraea strain 38_32_sub10_T18
Cowellia demingiae strain ACAM 459
Cowellia sp. Bg11-28
Cowellia psychrerythraea 34H
Cowellia mytili strain KCTC 52417
Cowellia aestuarii strain CGMCC1.6965
Cowellia sediminitoris strain KCTC 12480
Cowellia chukchiensis strain CGMCC1.9127
Cowellia chukchiensis strain CGMCC 1.9127
Cowellia sp. Arc7-635
Cowellia sp. BRX10-3
Cowellia sp. Arc7-D
Cowellia polaris strain MCCC1C00015
Cowellia sp. PAMC 21821 strain PAMC 21821
Cowellia sp. NB097-1 strain NB097-1
Cowellia sp. C1TZA3
Cowellia sp. MB02u-6
Cowellia sp. MB3u-70
Cowellia sp. MB3u-8
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Cowellia sp. MB02u-9
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Cowellia sp. MB02u-18
Cowellia sp. MB02u-12
Cowellia sp. MB3u-45
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Cowellia hornerae strain ACAM 607
Cowellia hornerae strain IC036
Cowellia hornerae strain IC037
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Cowellia sp. BRX8-7
Cowellia sp. BRX8-4
Cowellia sp. BRX10-5
Cowellia sp. BRX10-1
Cowellia sp. BRX10-7
Cowellia sp. BRX10-2
Cowellia sp. BRX9-1
Cowellia sp. BRX10-6
Cowellia sp. BRX10-9
Cowellia sp. BRX8-9
Cowellia sp. BRX8-2
Cowellia sp. BRX8-3
Cowellia sp. BRX8-6
Cowellia sp. BRX8-5