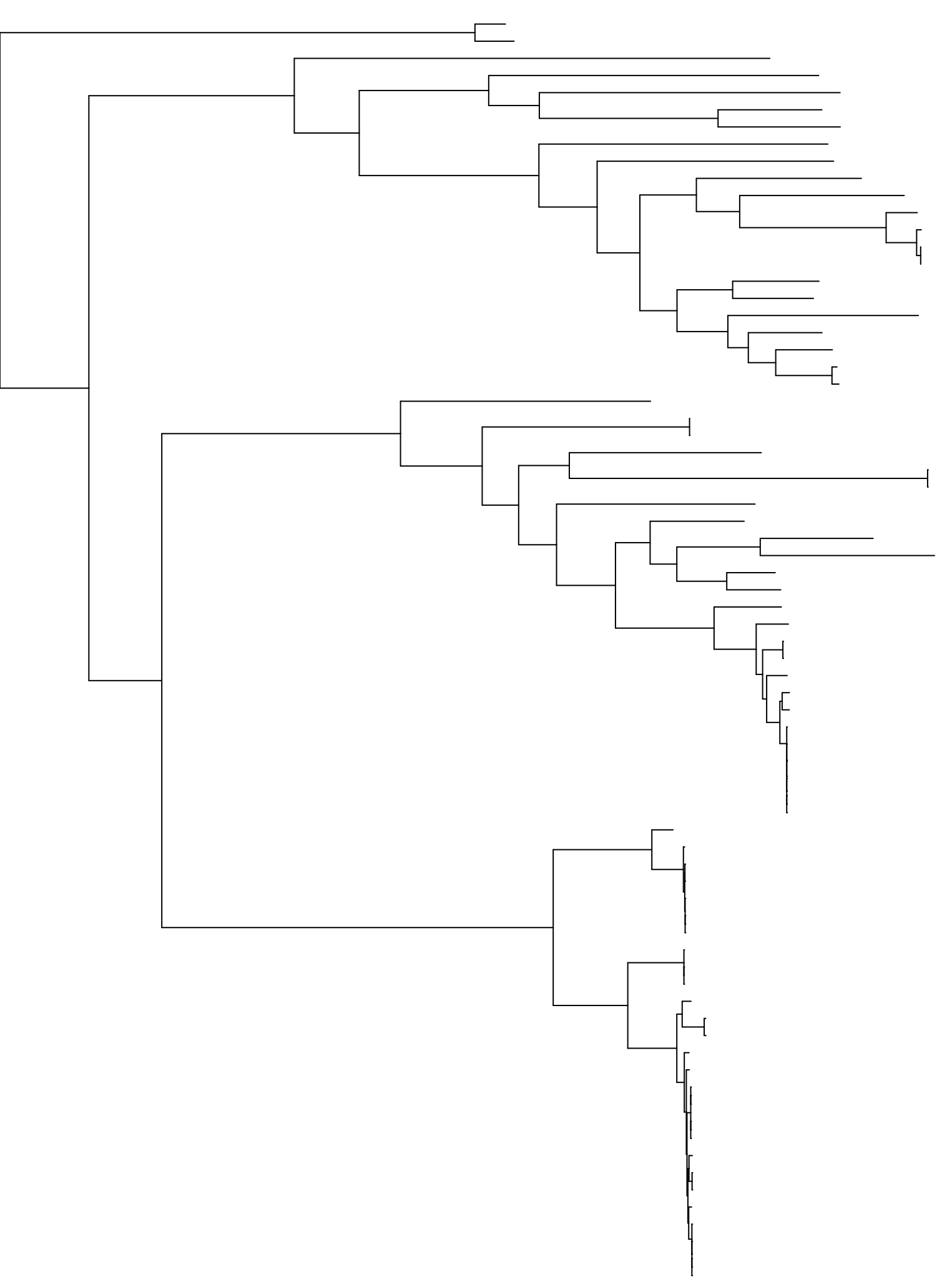
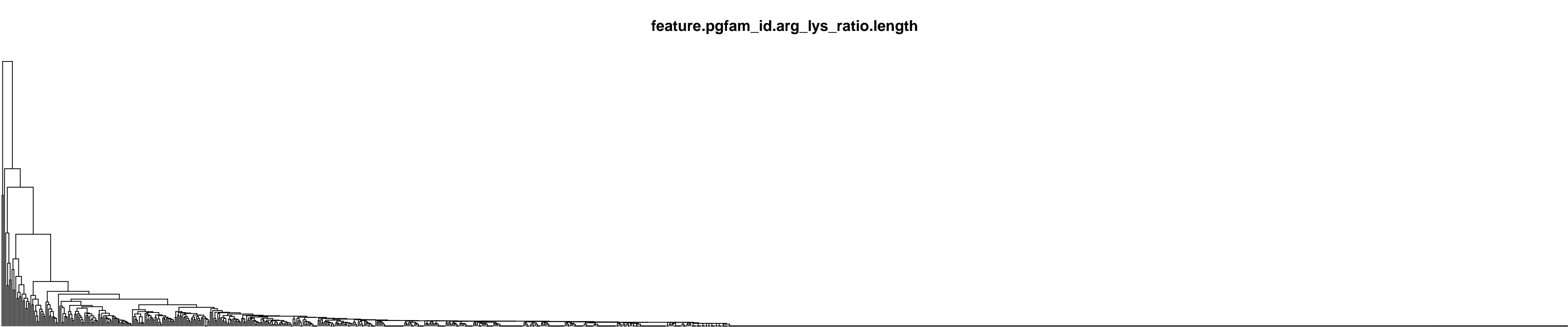
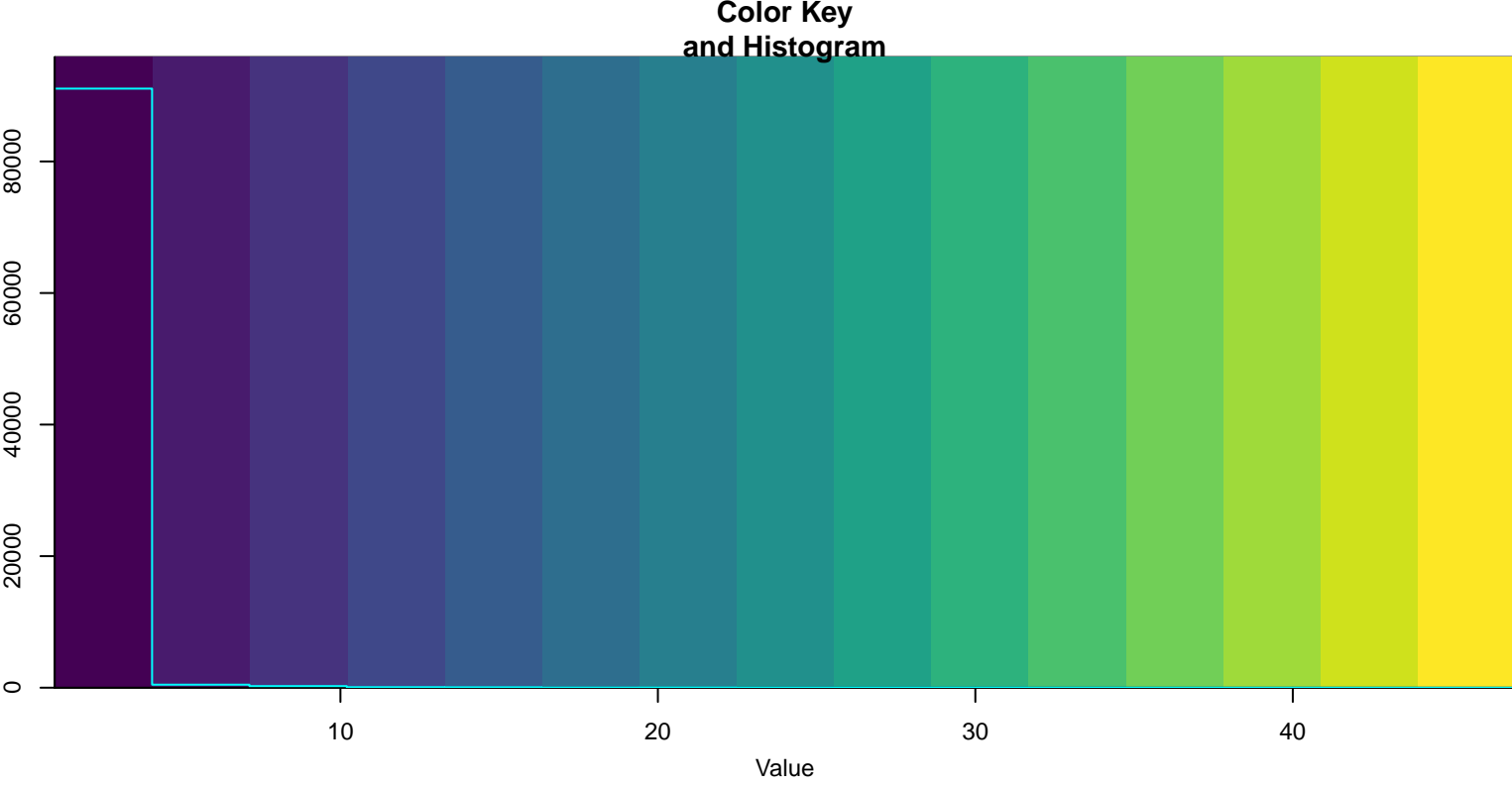
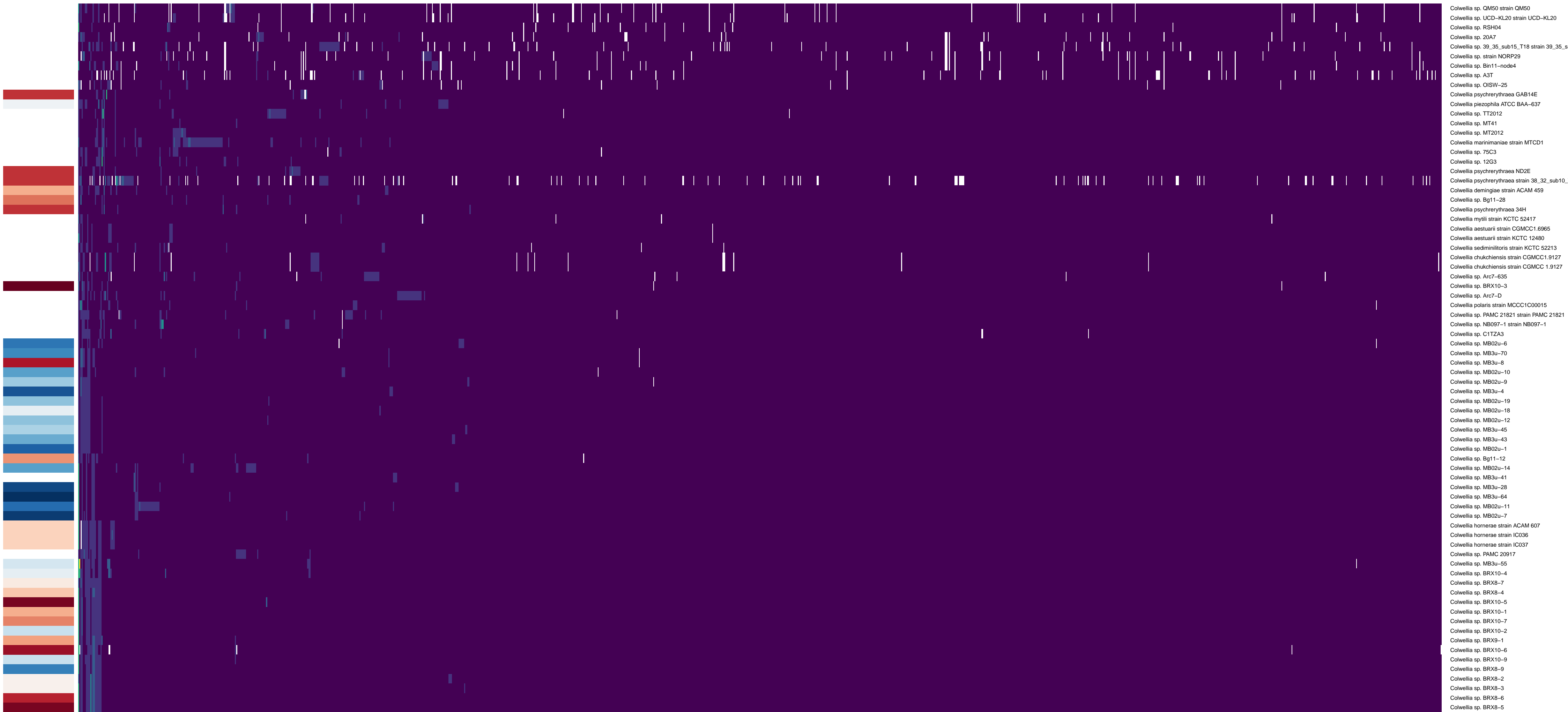
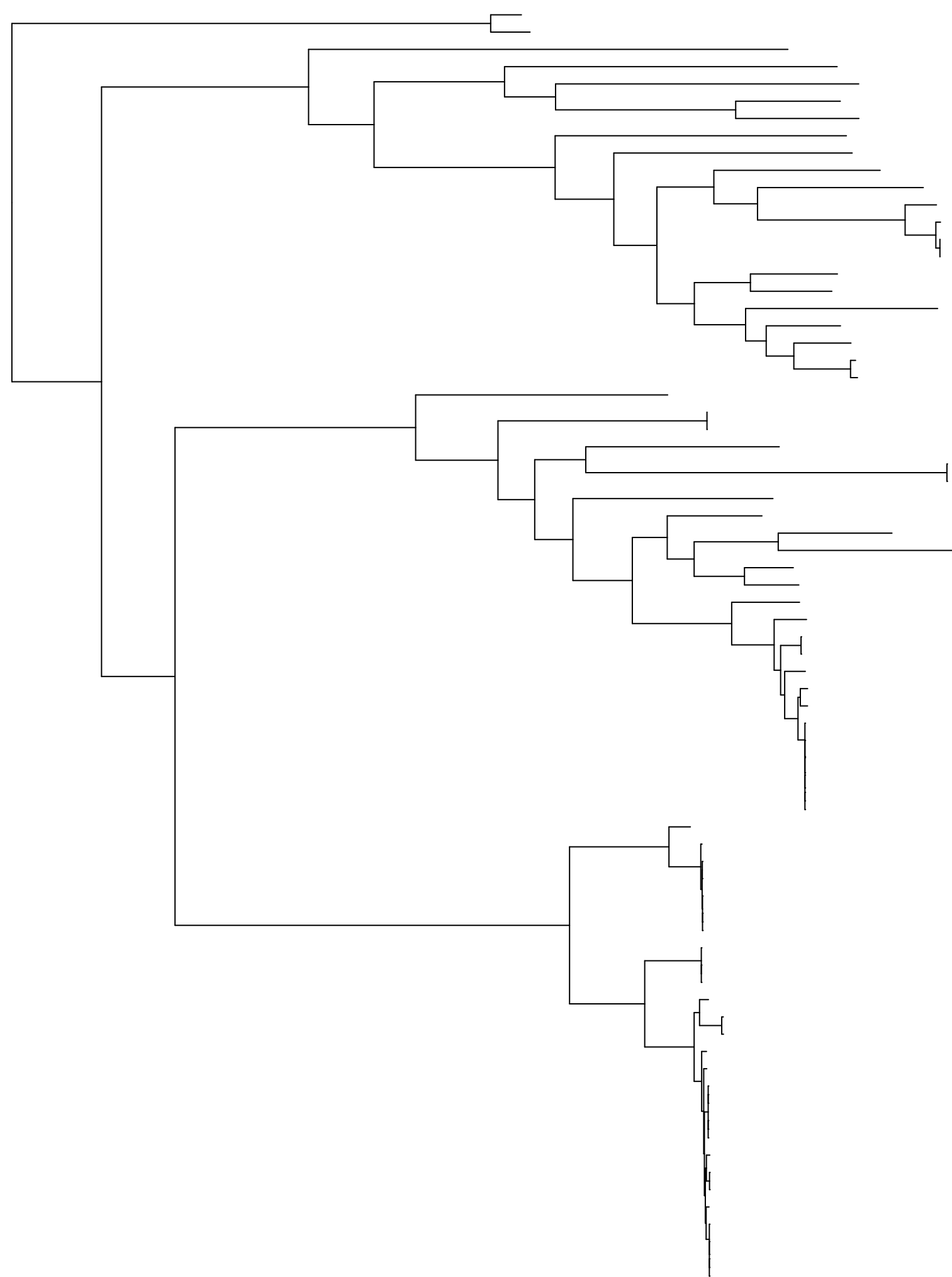
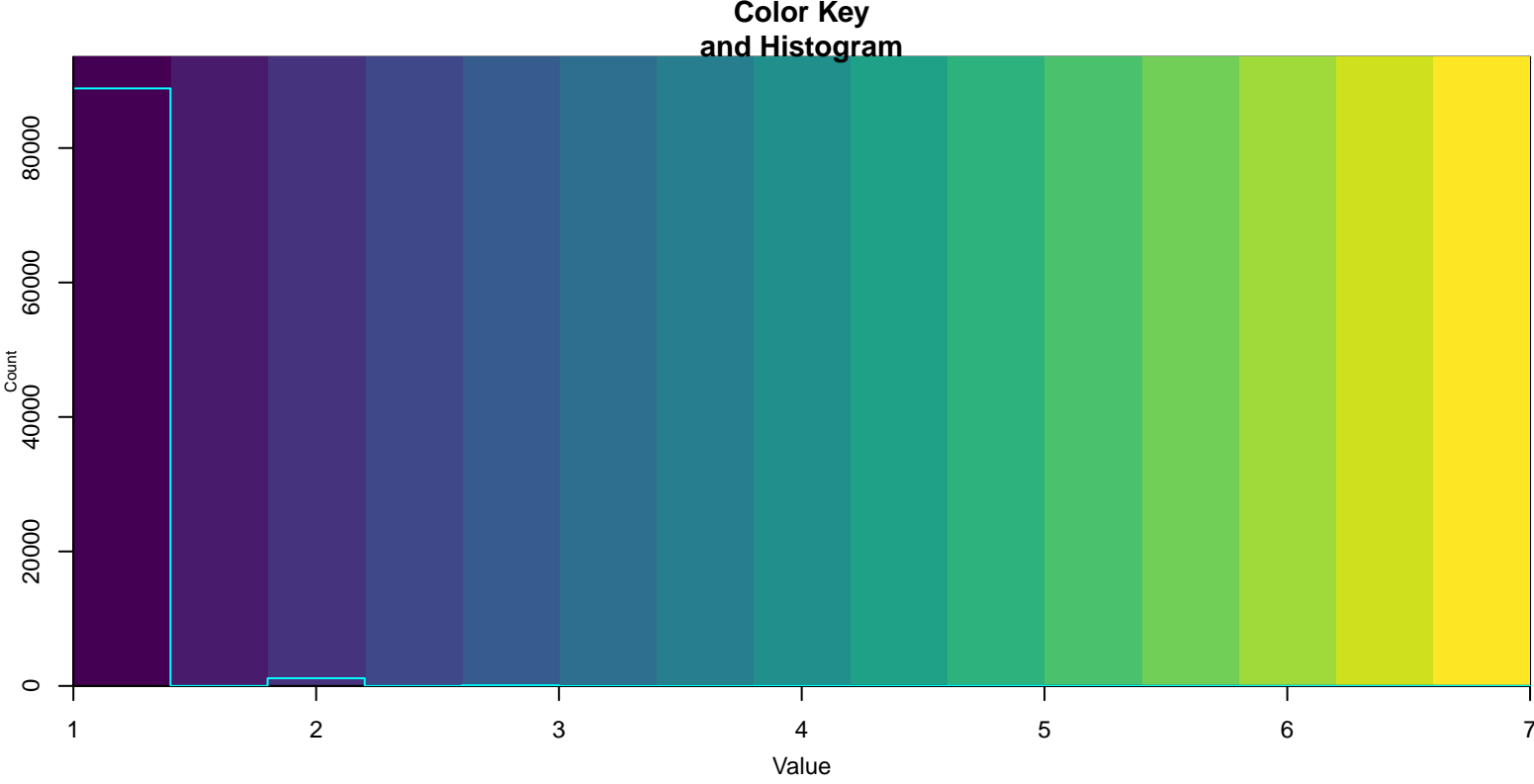
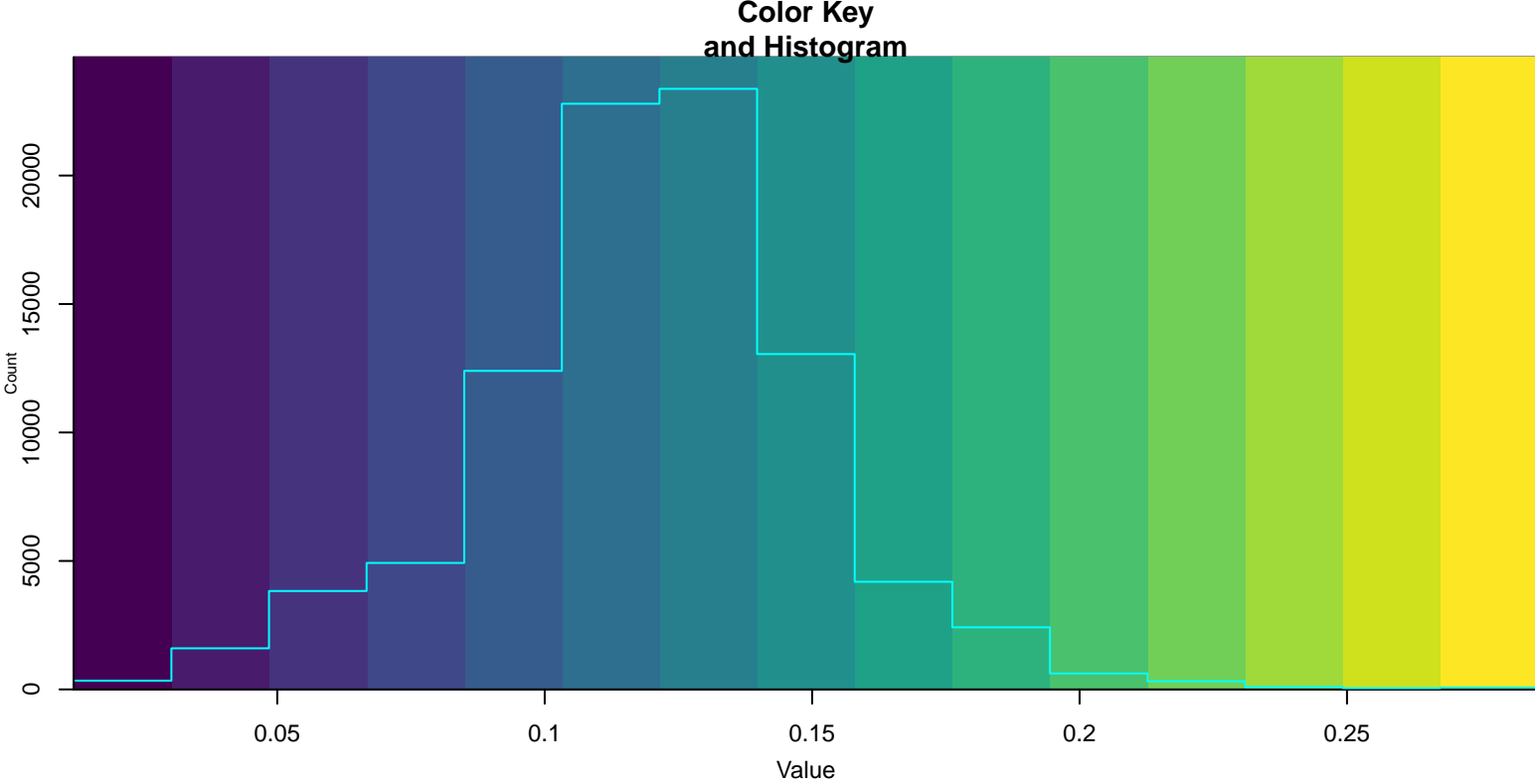


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Cowellia sp. strain NORP29  
Cowellia sp. Bin11-node4  
Cowellia sp. A3T  
Cowellia sp. OISW-25  
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Cowellia piezophila ATCC BAA-637  
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Cowellia 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 sediminitoria strain KCTC 12480  
Cowellia chukchiensis strain CGMCC1.9127  
Cowellia chukchiensis strain CGMCC1.9127  
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Cowellia polaris strain MCCC1C00015  
Cowellia sp. PAMC 21821 strain PAMC 21821  
Cowellia sp. NB097-1 strain NB097-1  
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Cowellia sp. MB02u-6  
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Cowellia hornerae strain ACAM 607  
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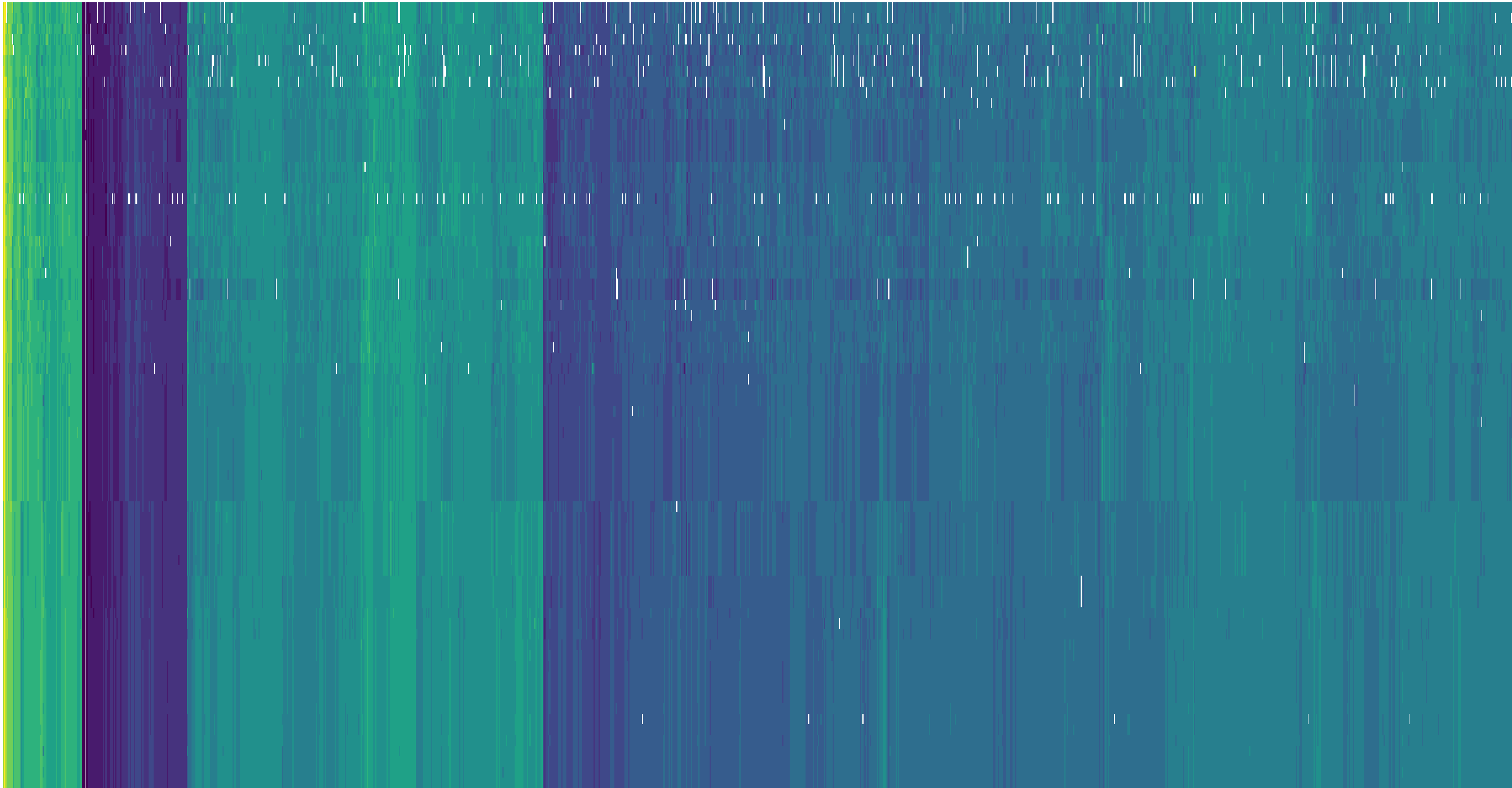
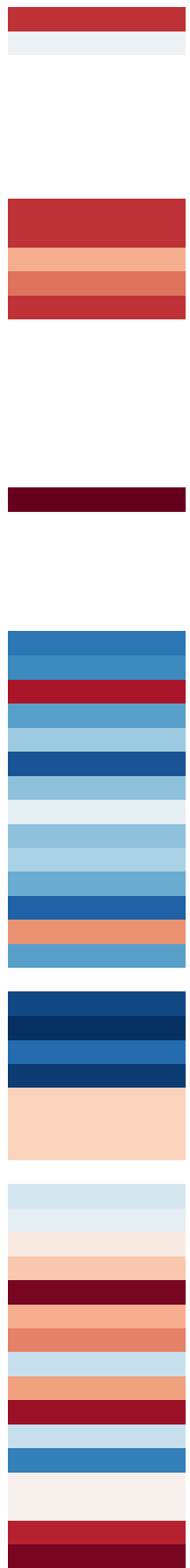
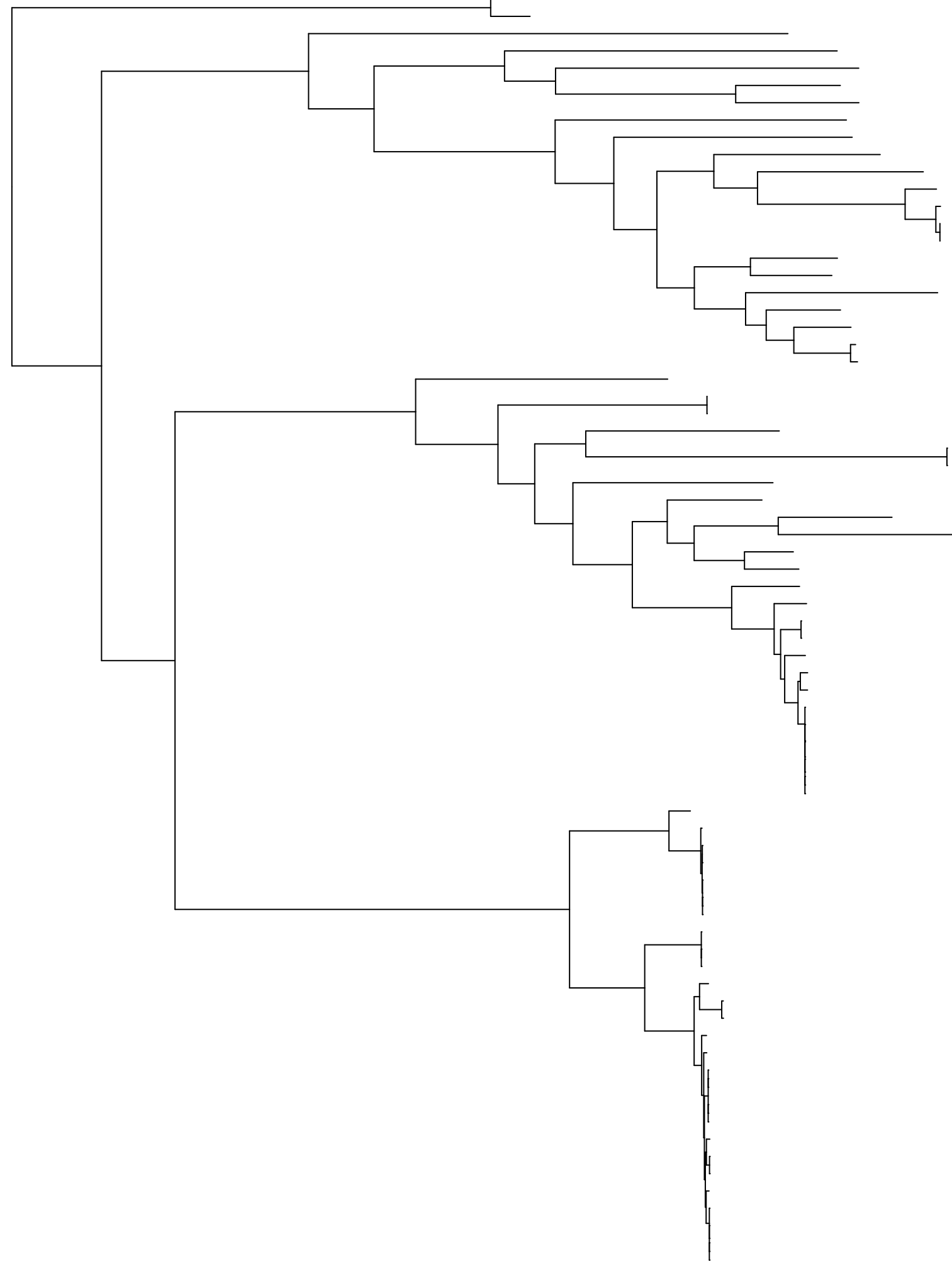
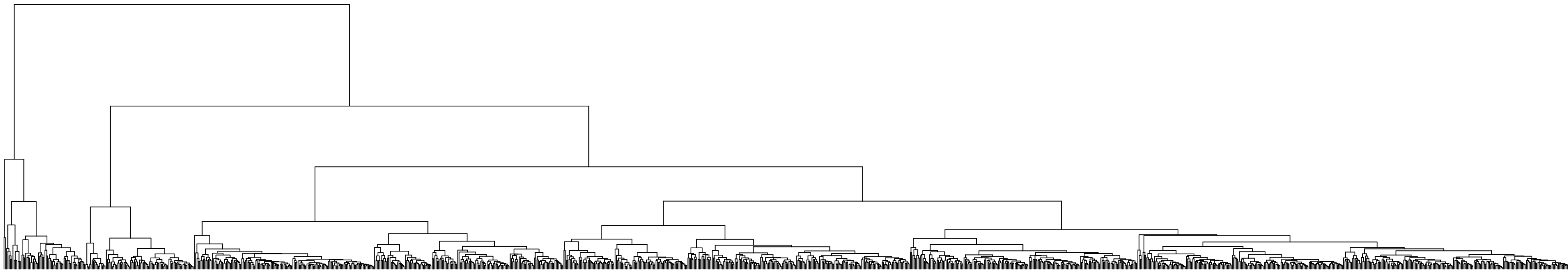


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Cotwellia sp. 39\_35\_sub15\_T18 strain 39\_35\_sub15  
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Cotwellia sp. Bin11-node4  
Cotwellia sp. A3T  
Cotwellia sp. OISW-25  
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Cotwellia piezophila ATCC BAA-637  
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Cotwellia sp. MT41  
Cotwellia sp. MT2012  
Cotwellia maritimaniae 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 CGMCC 1.9127  
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  
Cotwellia sp. C1TZA3  
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Cotwellia sp. MB3u-64  
Cotwellia sp. MB02u-11  
Cotwellia sp. MB02u-7  
Cotwellia hornerae strain ACAM 607  
Cotwellia hornerae strain IC036  
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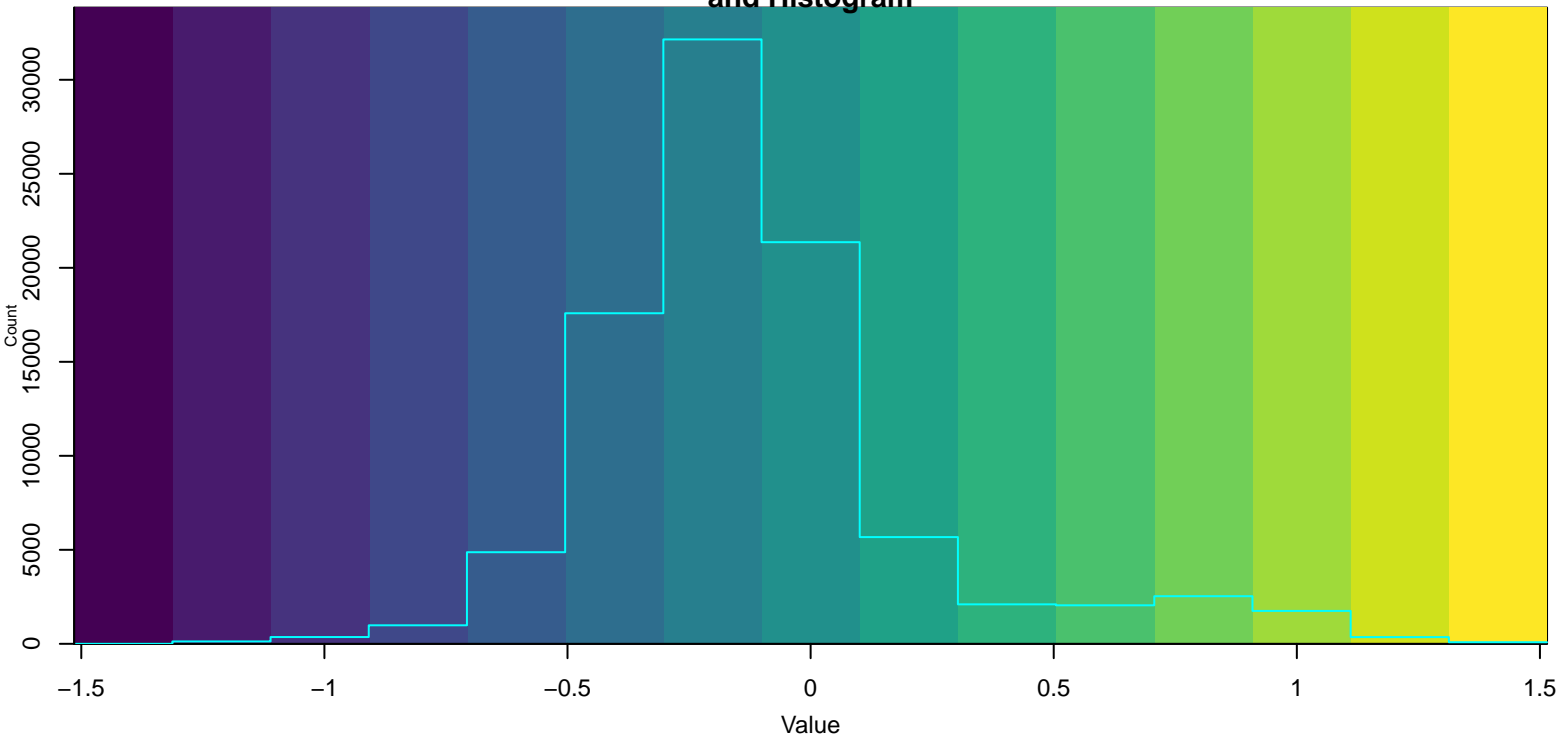


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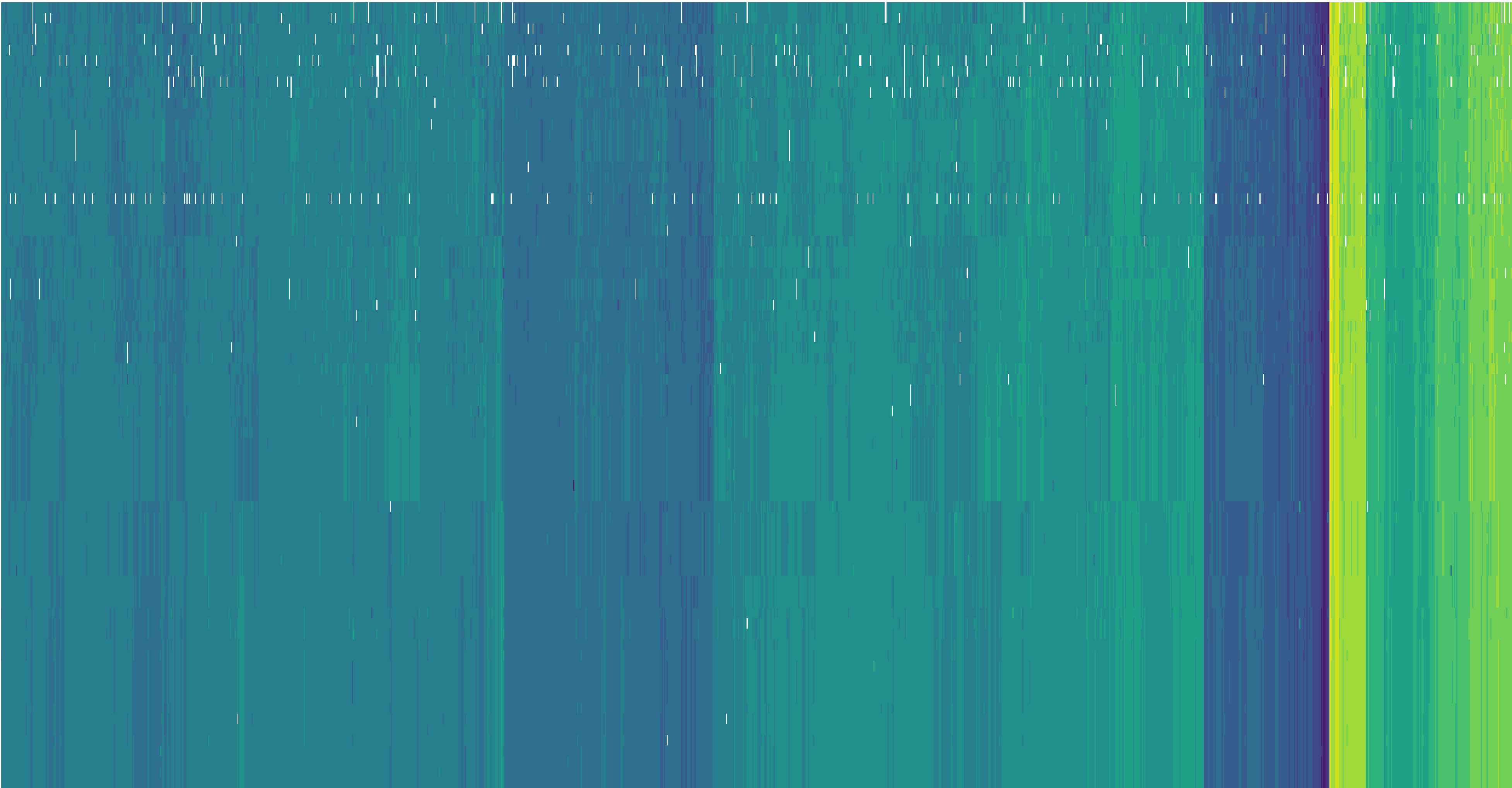
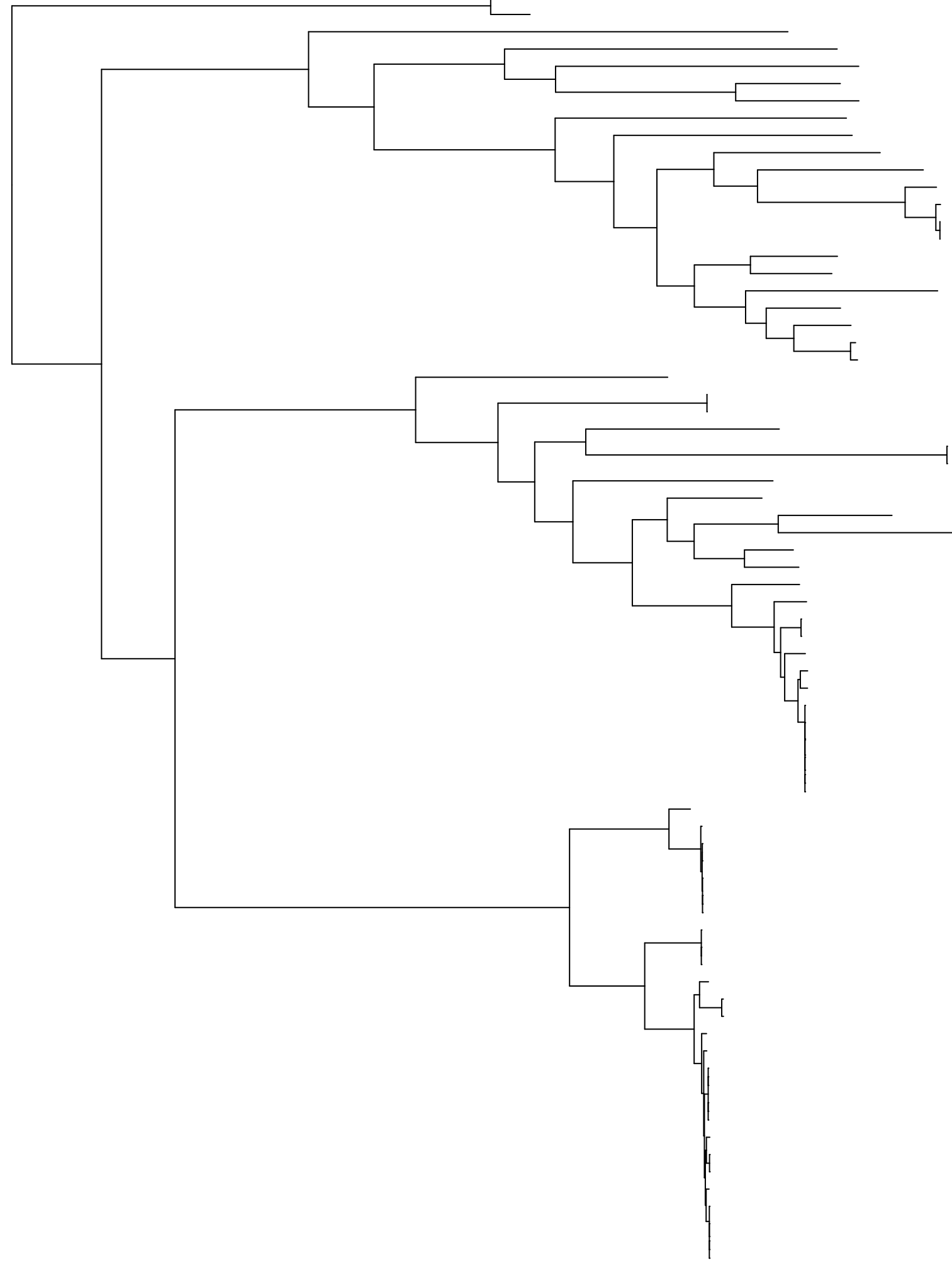
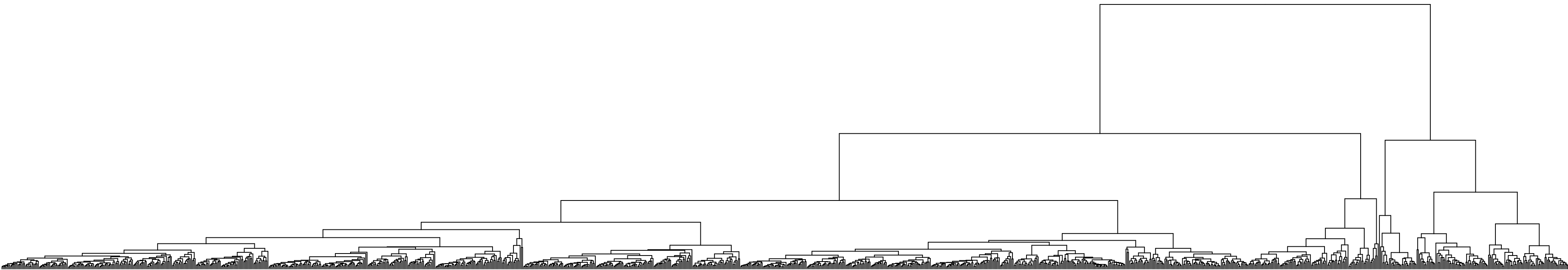


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Cowellia sp. A3T  
Cowellia sp. OISW-25  
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Cowellia piezophila ATCC BAA-637  
Cowellia sp. TT2012  
Cowellia sp. MT41  
Cowellia sp. MT2012  
Cowellia maritimaniae strain MTCD1  
Cowellia sp. 75C3  
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 sediminitoria strain KCTC 12480  
Cowellia chukchiensis strain CGMCC1.9127  
Cowellia chukchiensis strain CGMCC1.9127  
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  
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Cowellia sp. MB02u-6  
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Color Key  
and Histogram

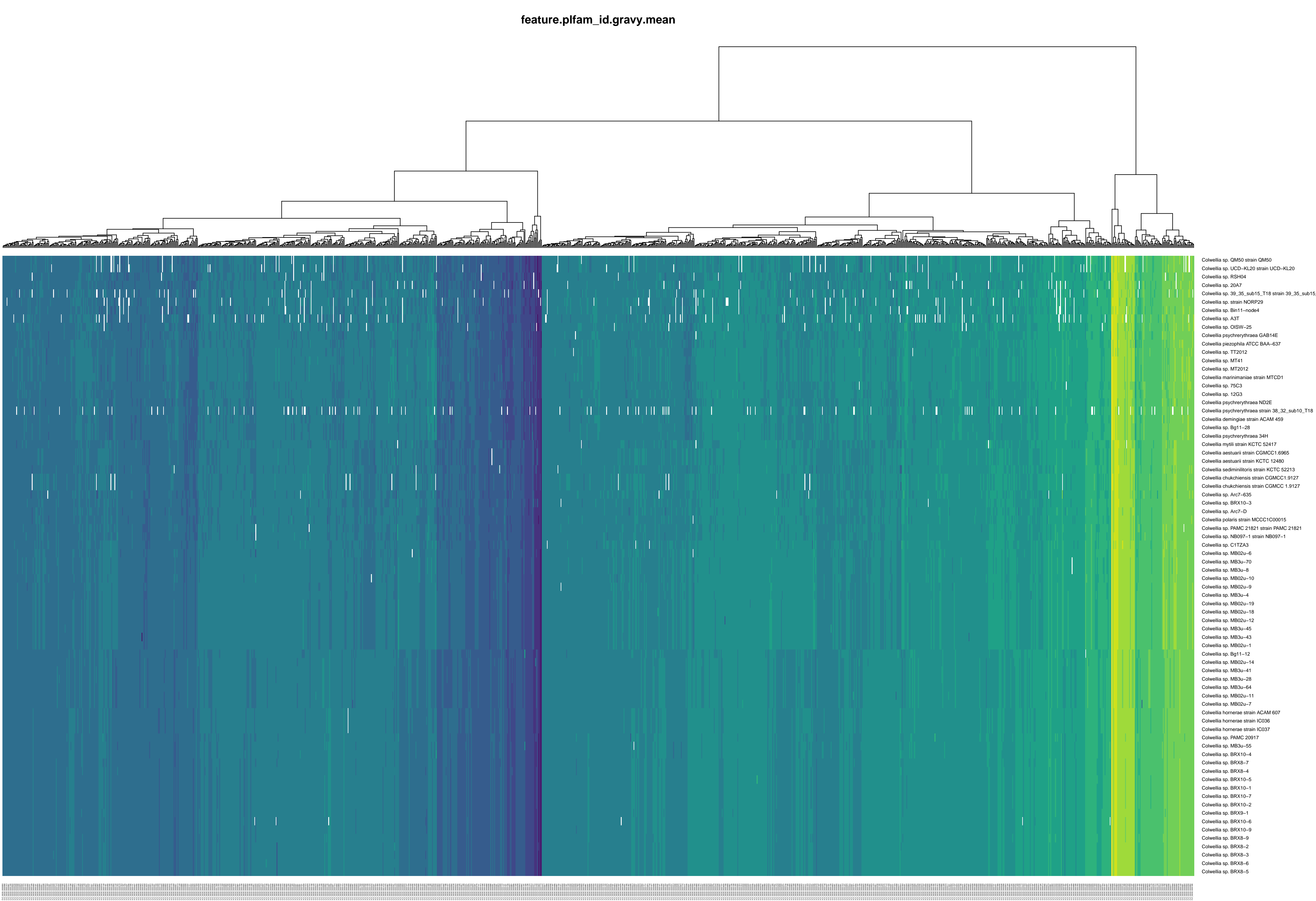
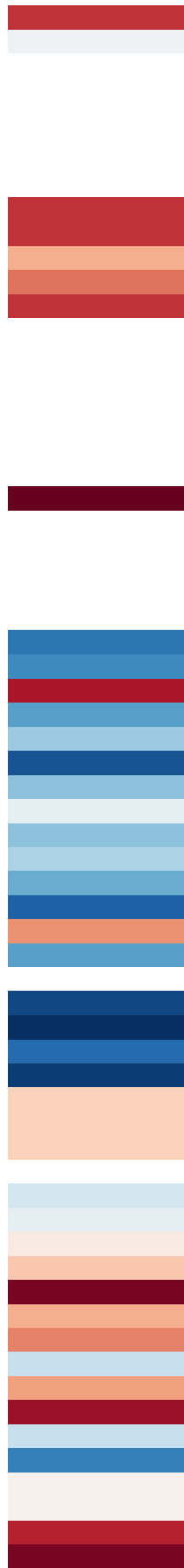
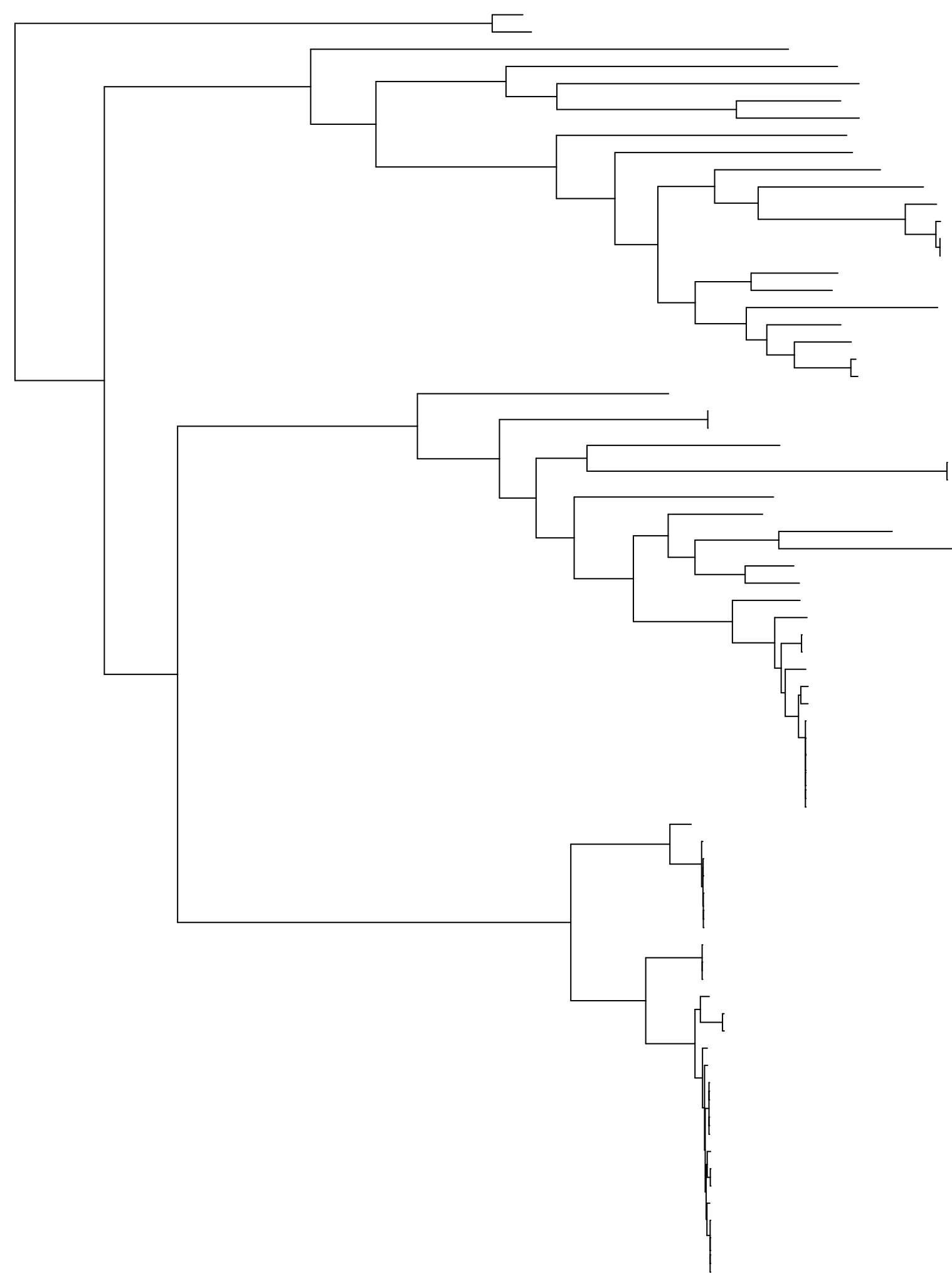
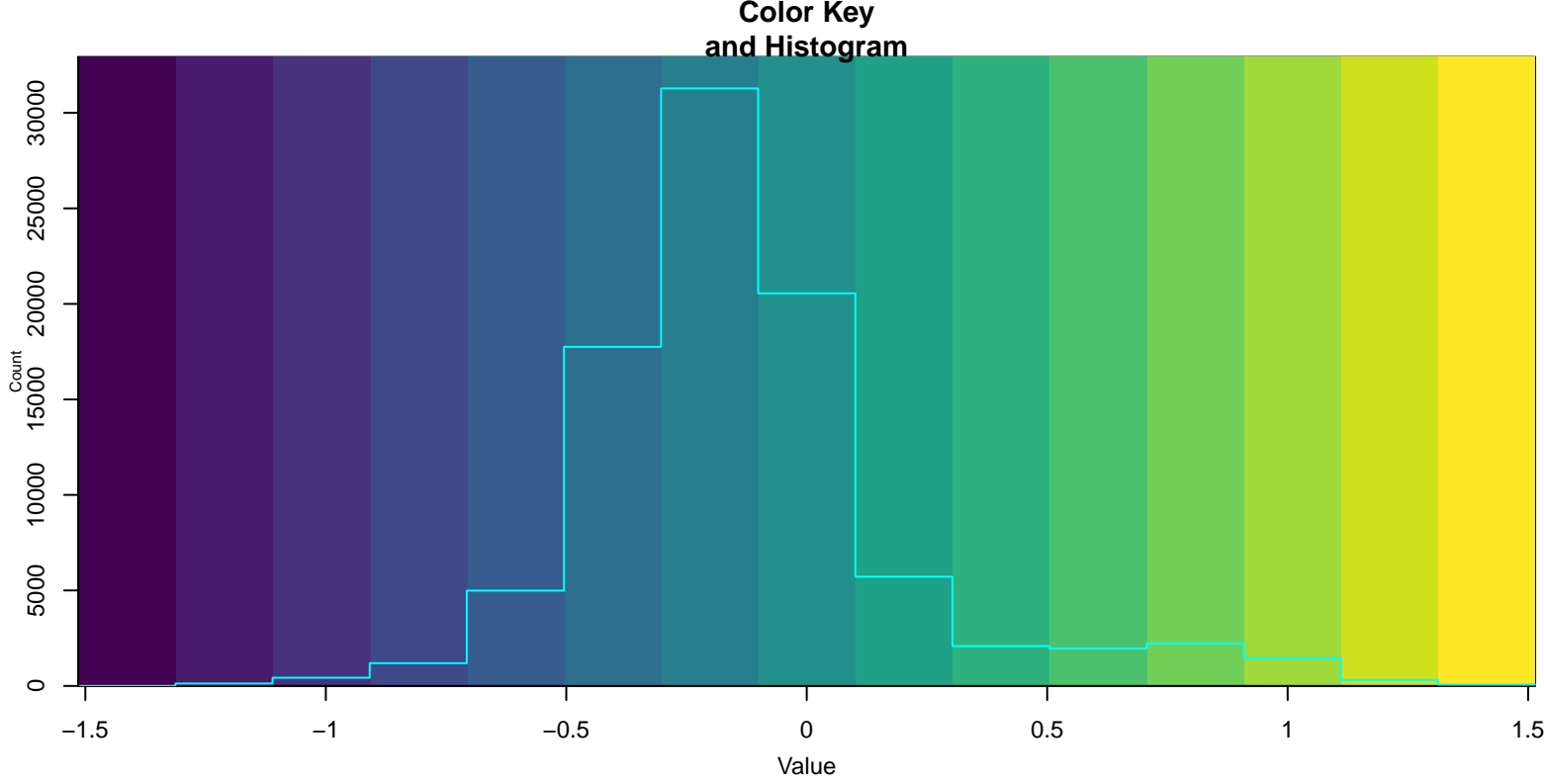


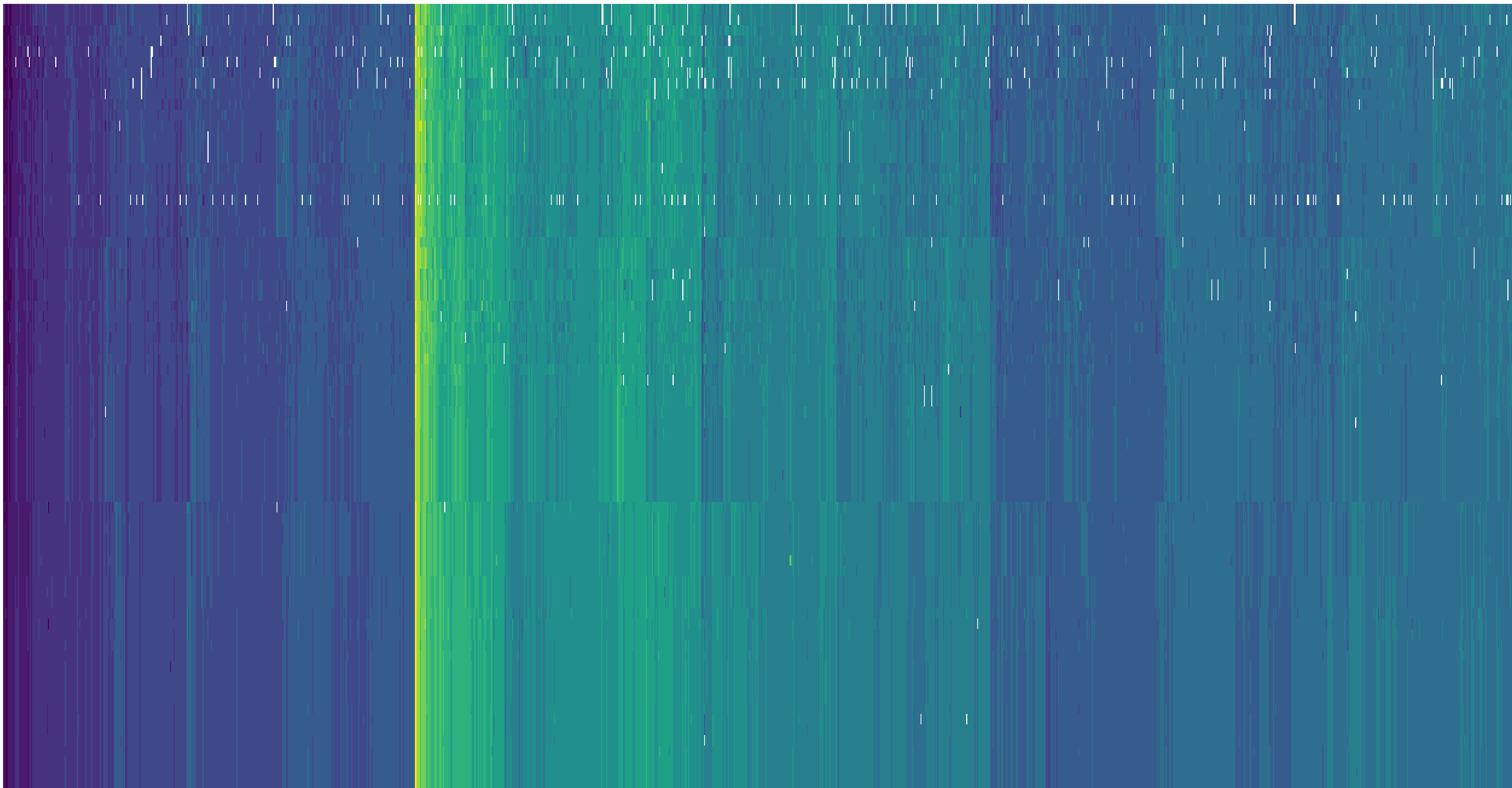
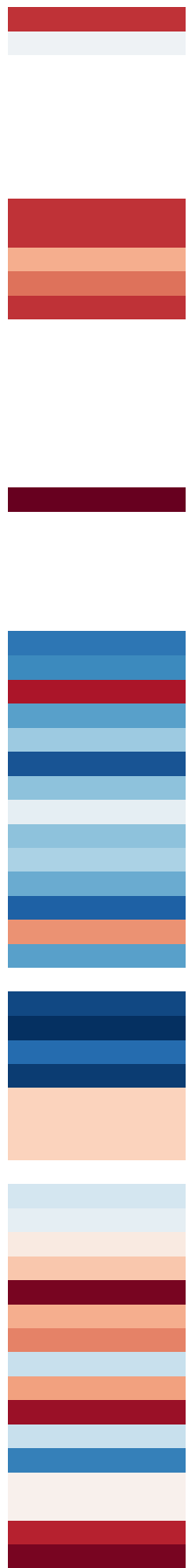
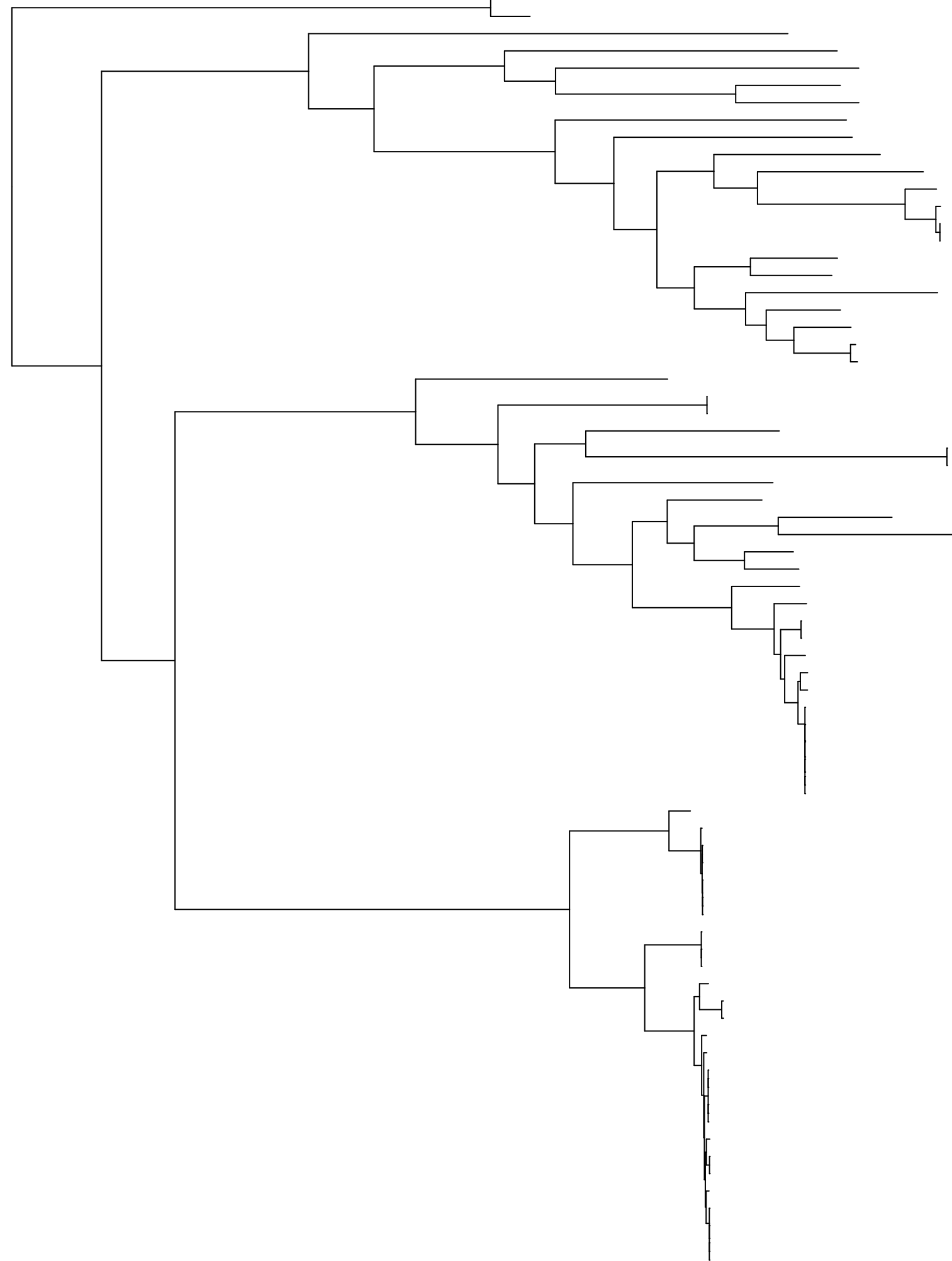
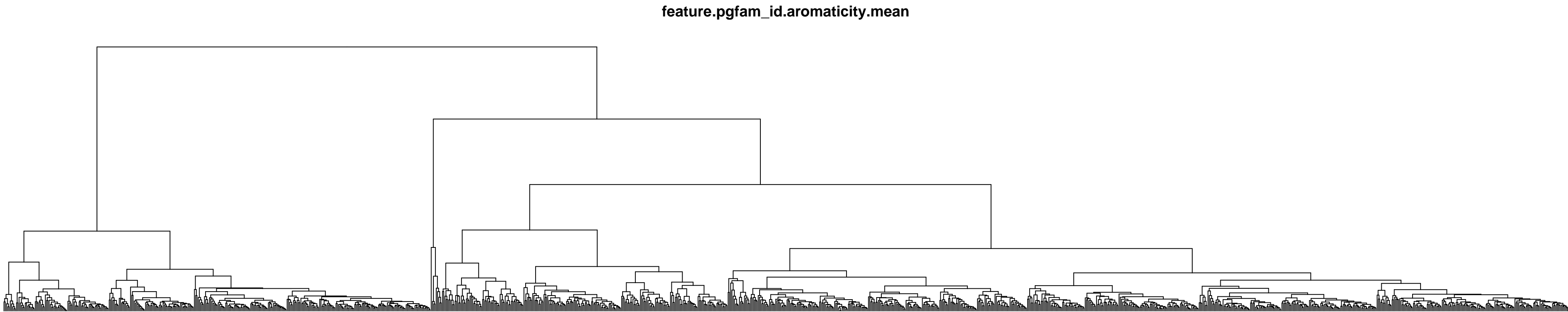
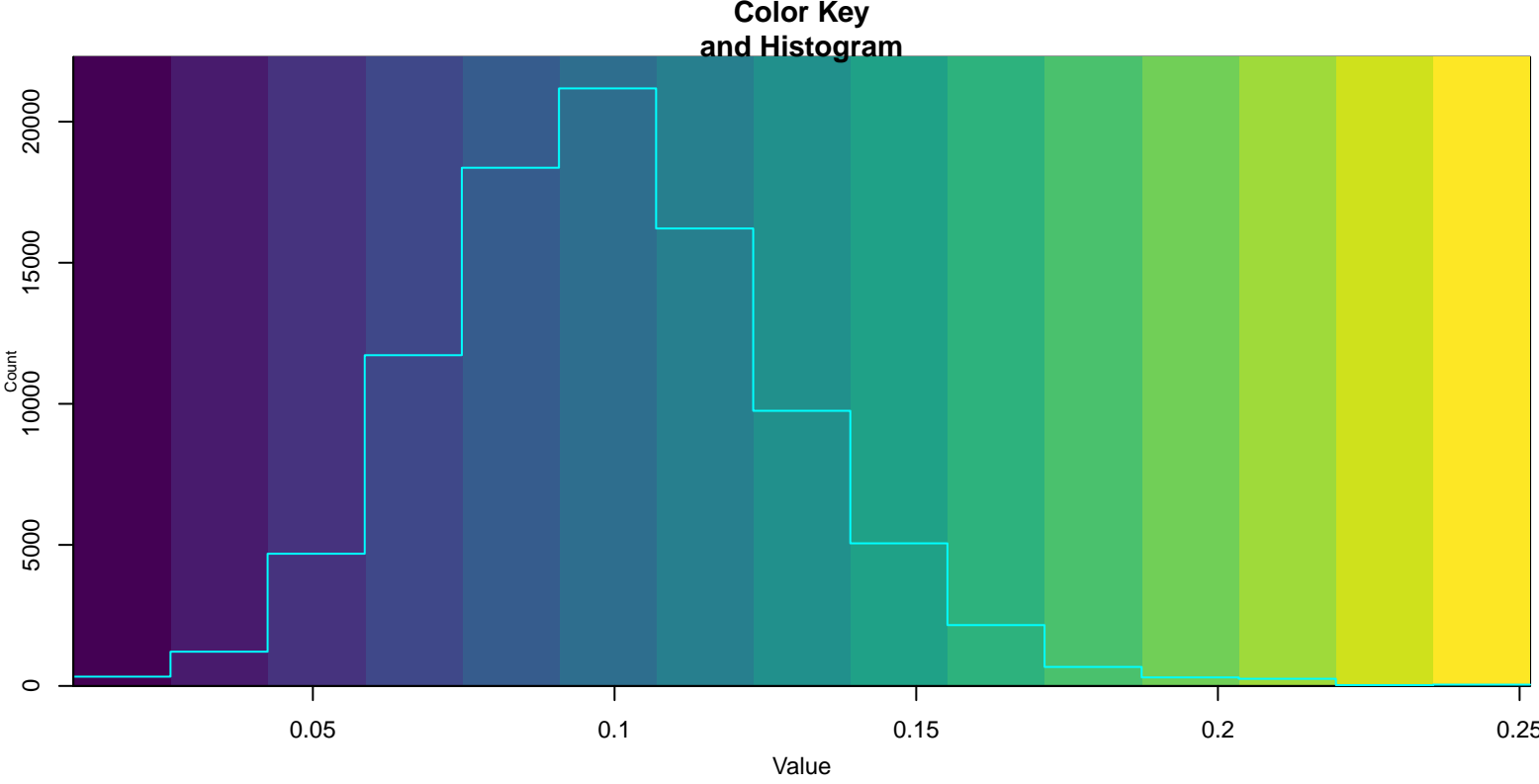
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Cotwellia sp. UCD-KL20 strain UCD-KL20  
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Cotwellia sp. 20A7  
Cotwellia sp. 39\_35\_sub15\_T18 strain 39\_35\_sub15\_T18  
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Cotwellia sp. A3T  
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Cotwellia sp. MT2012  
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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  
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Cotwellia chukchiensis strain CGMCC1.9127  
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Cotwellia sp. BRX10-3  
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Cotwellia polaris strain MCCC1C00015  
Cotwellia sp. PAMC 21821 strain PAMC 21821  
Cotwellia sp. NB097-1 strain NB097-1  
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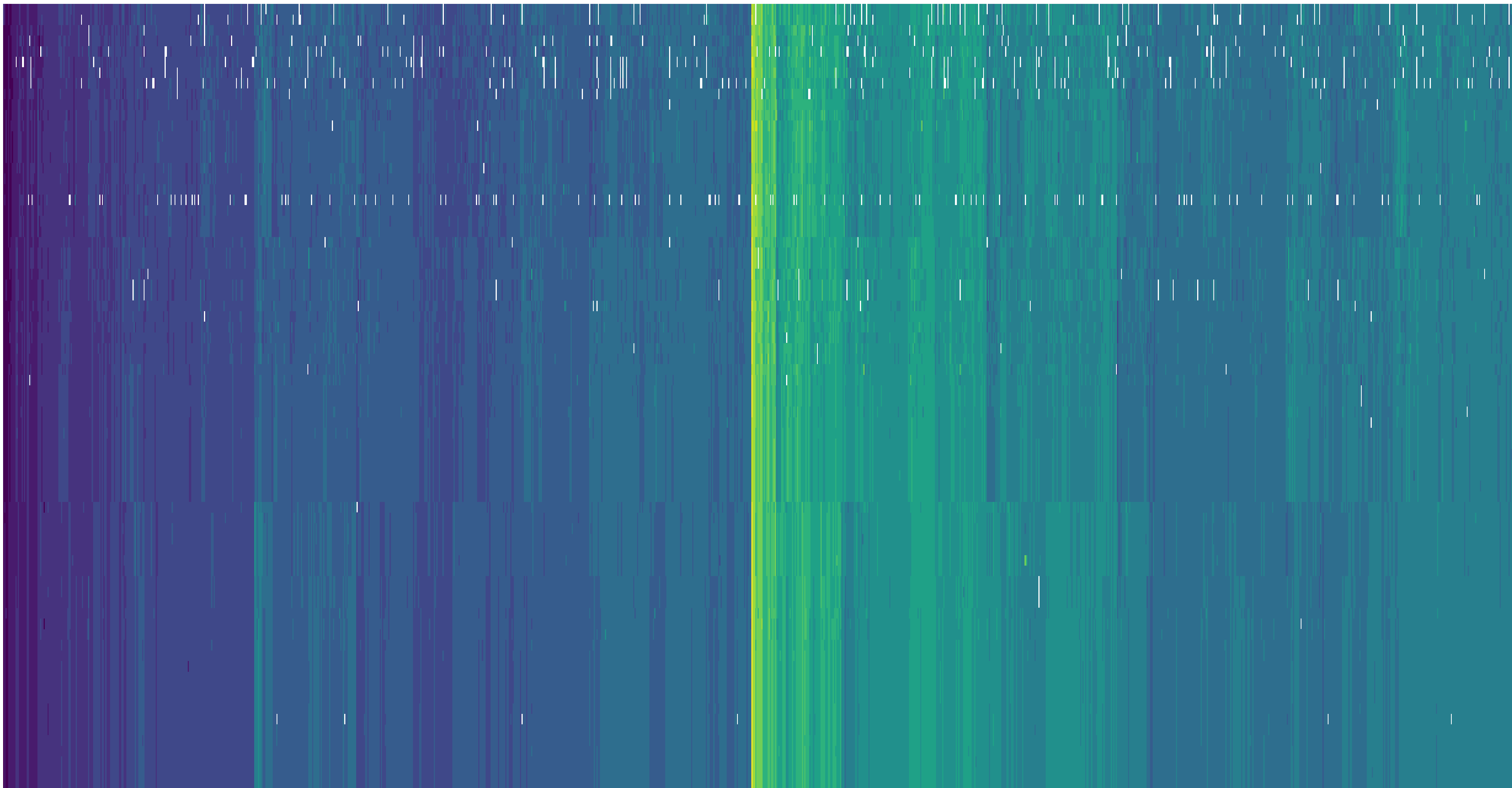
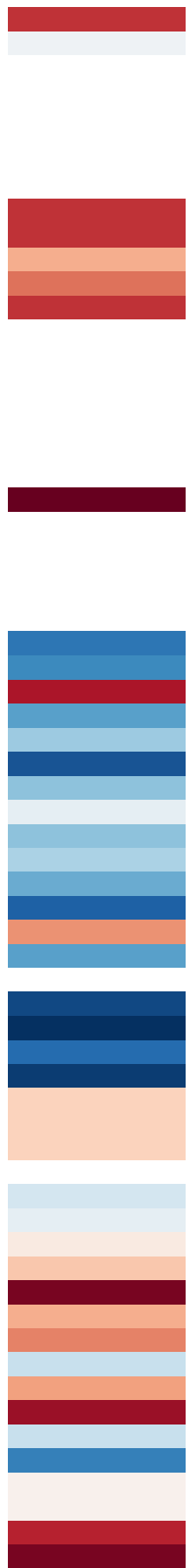
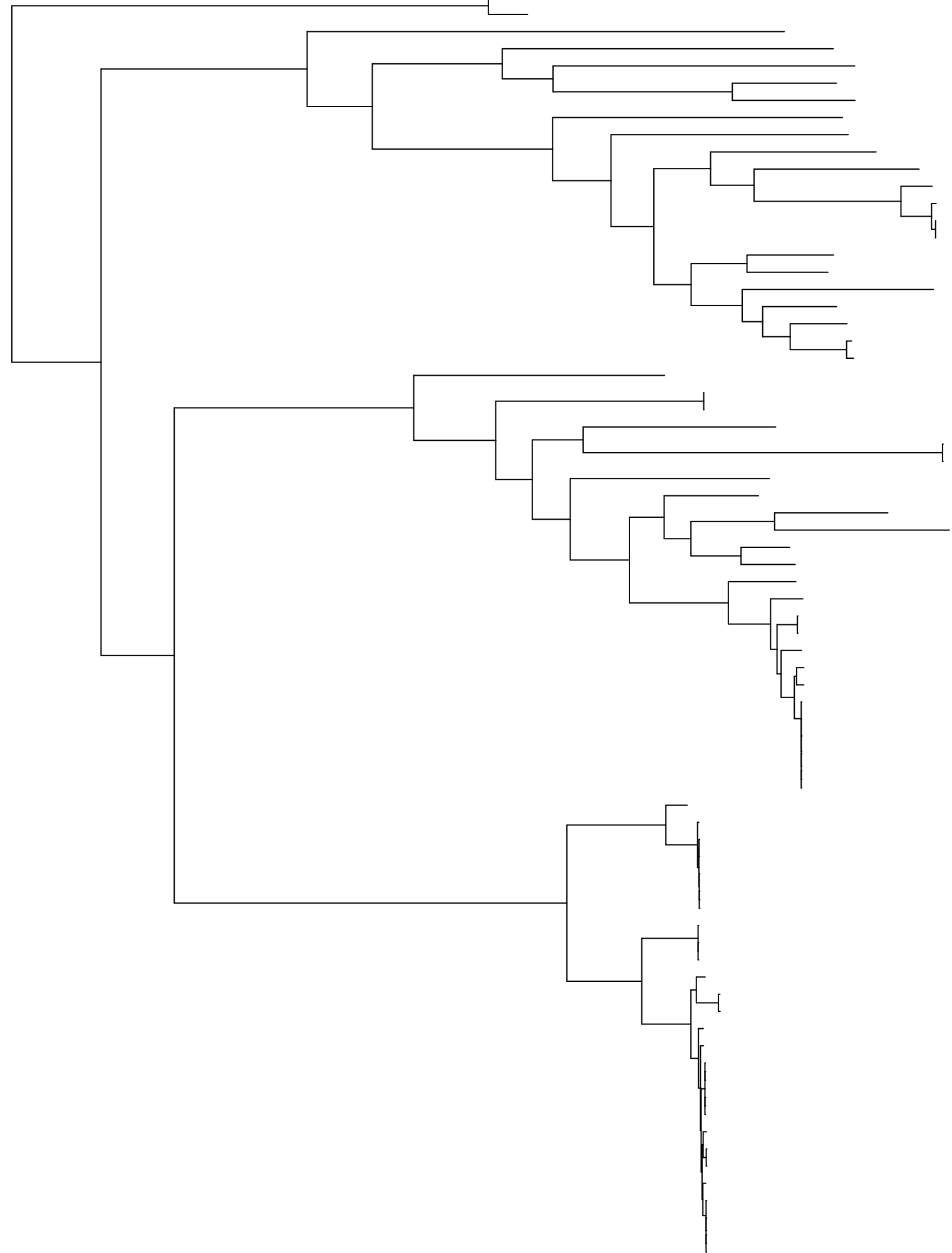
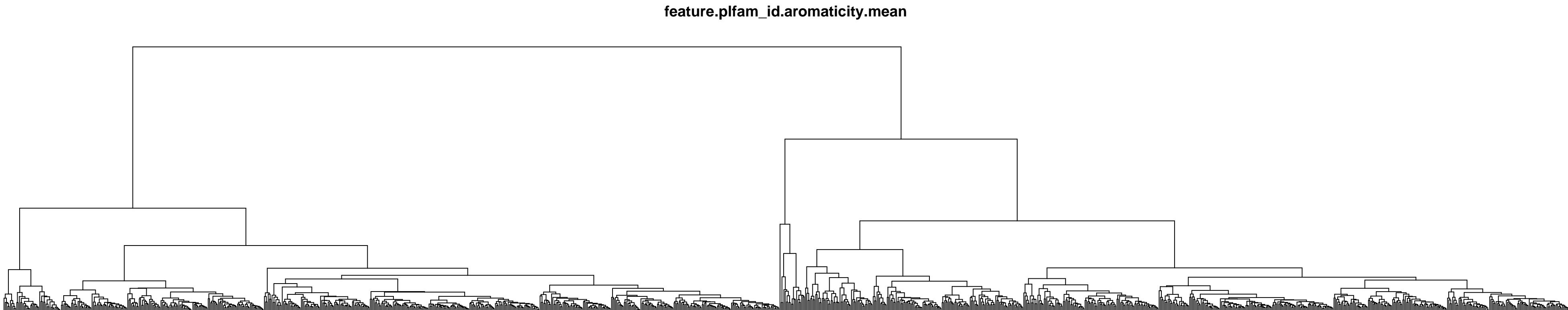
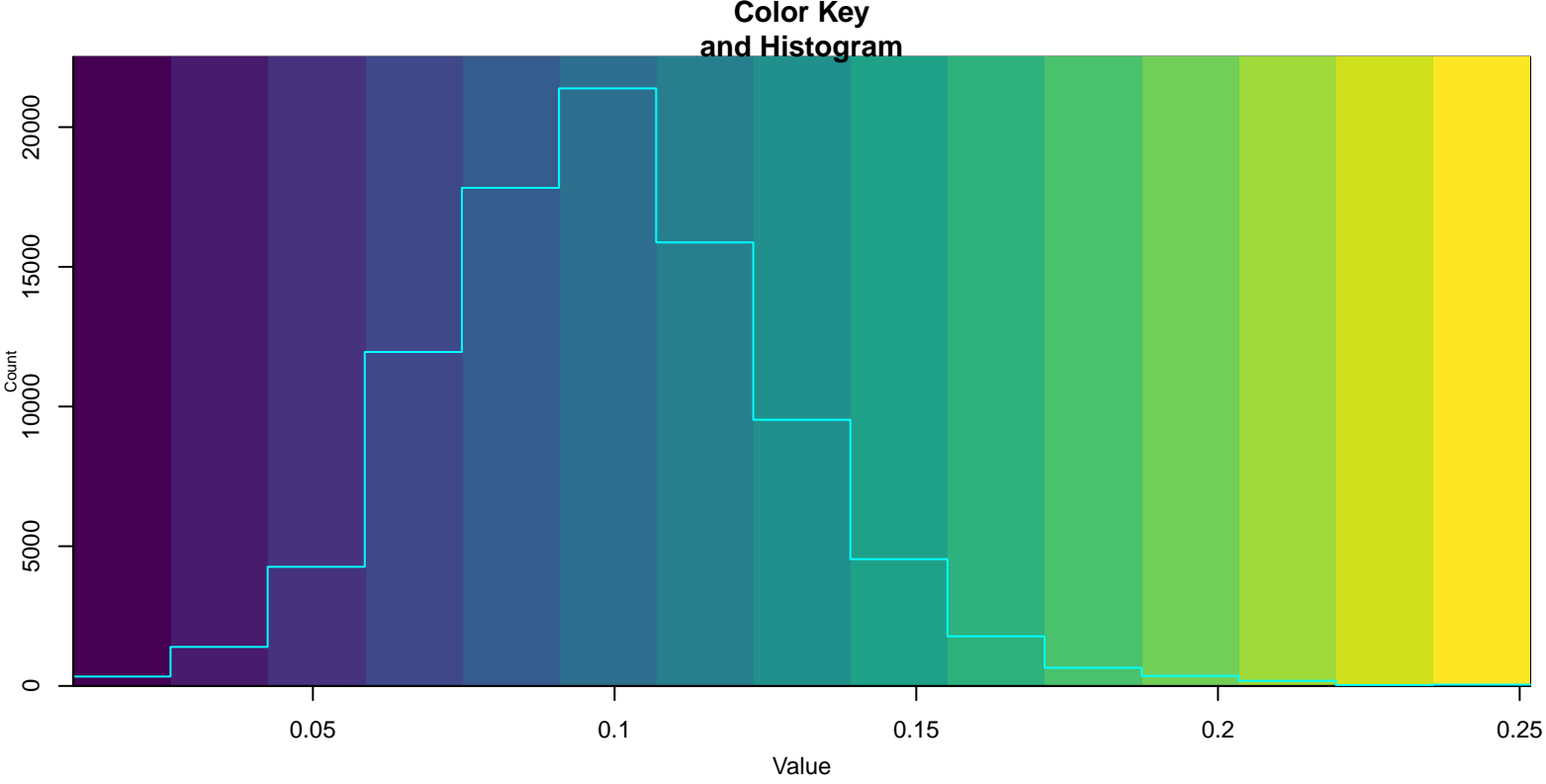




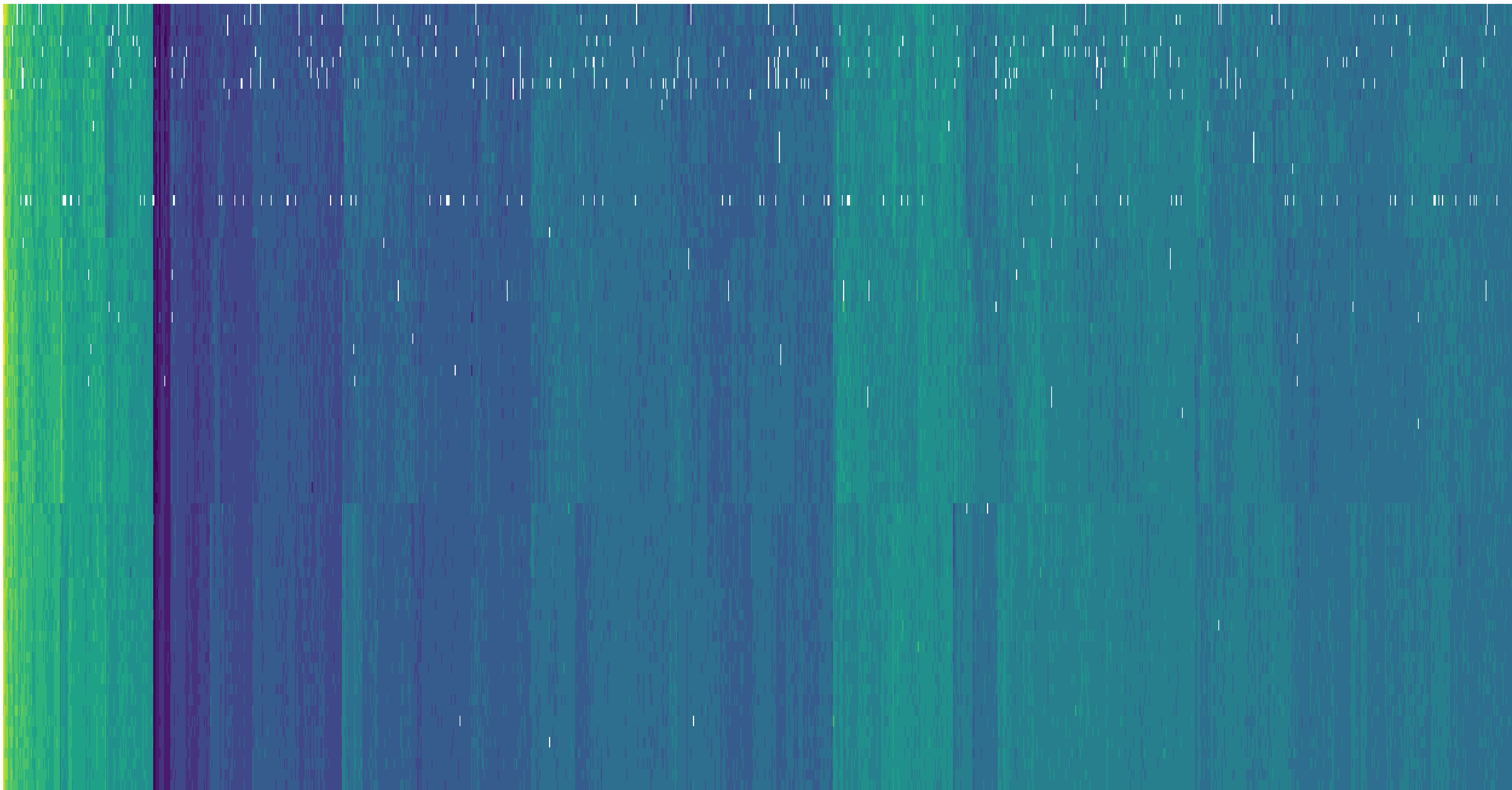
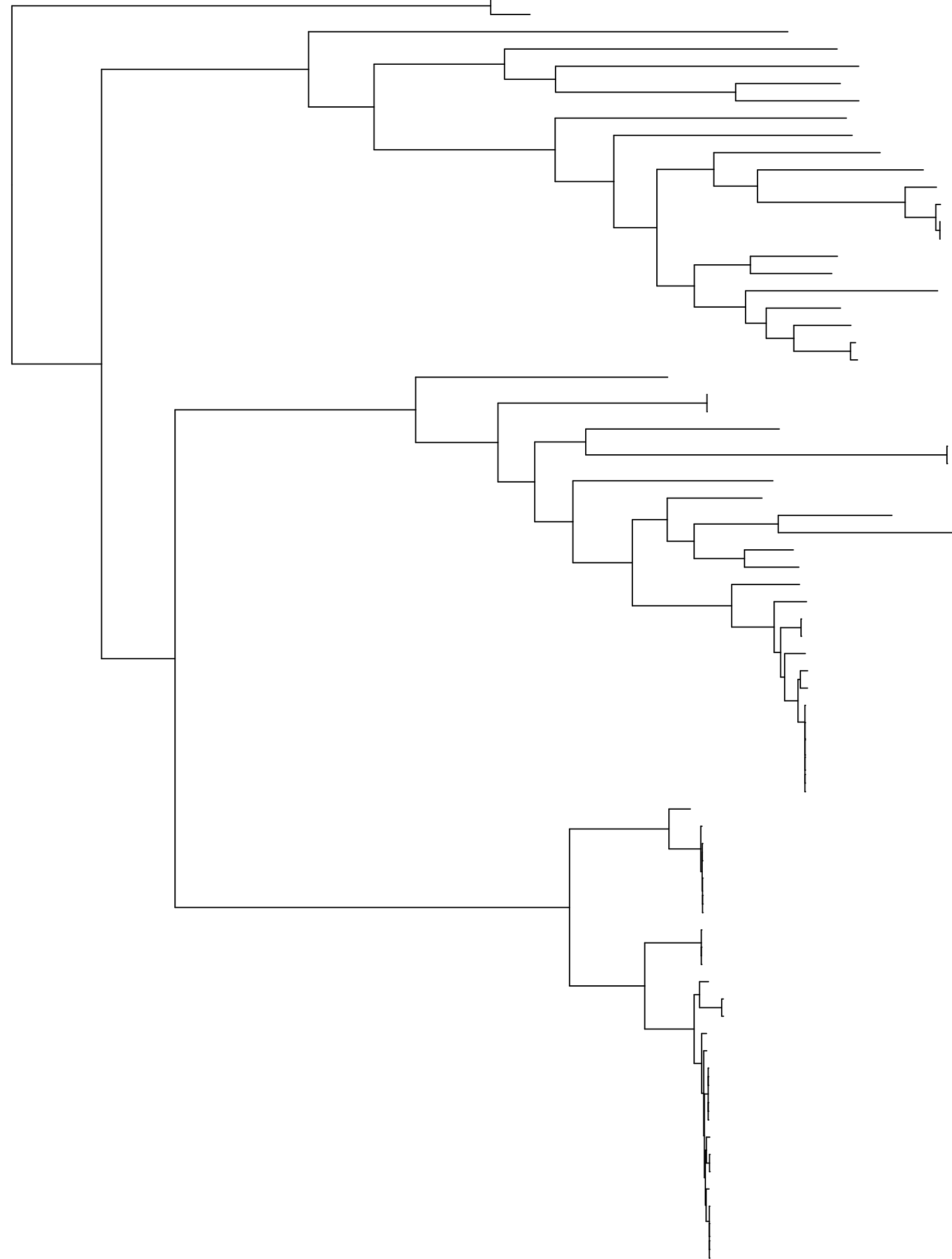
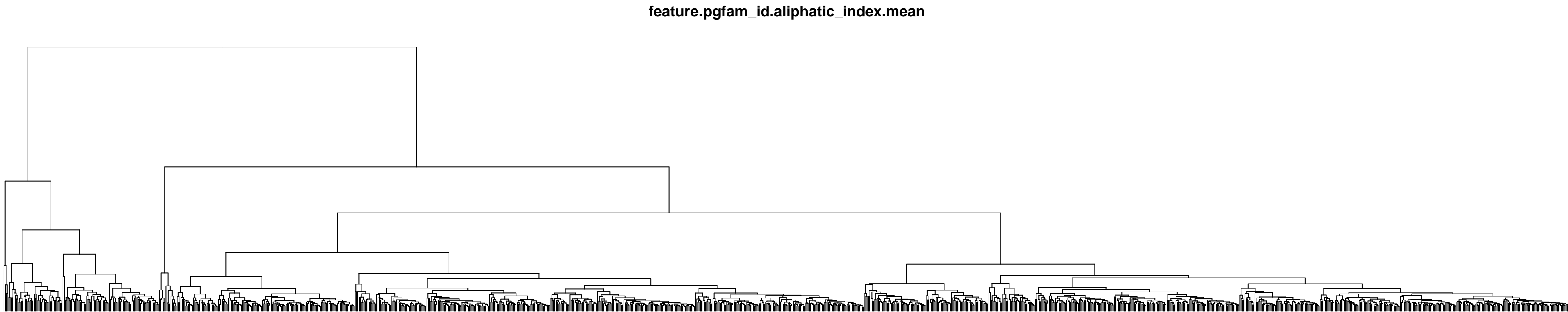
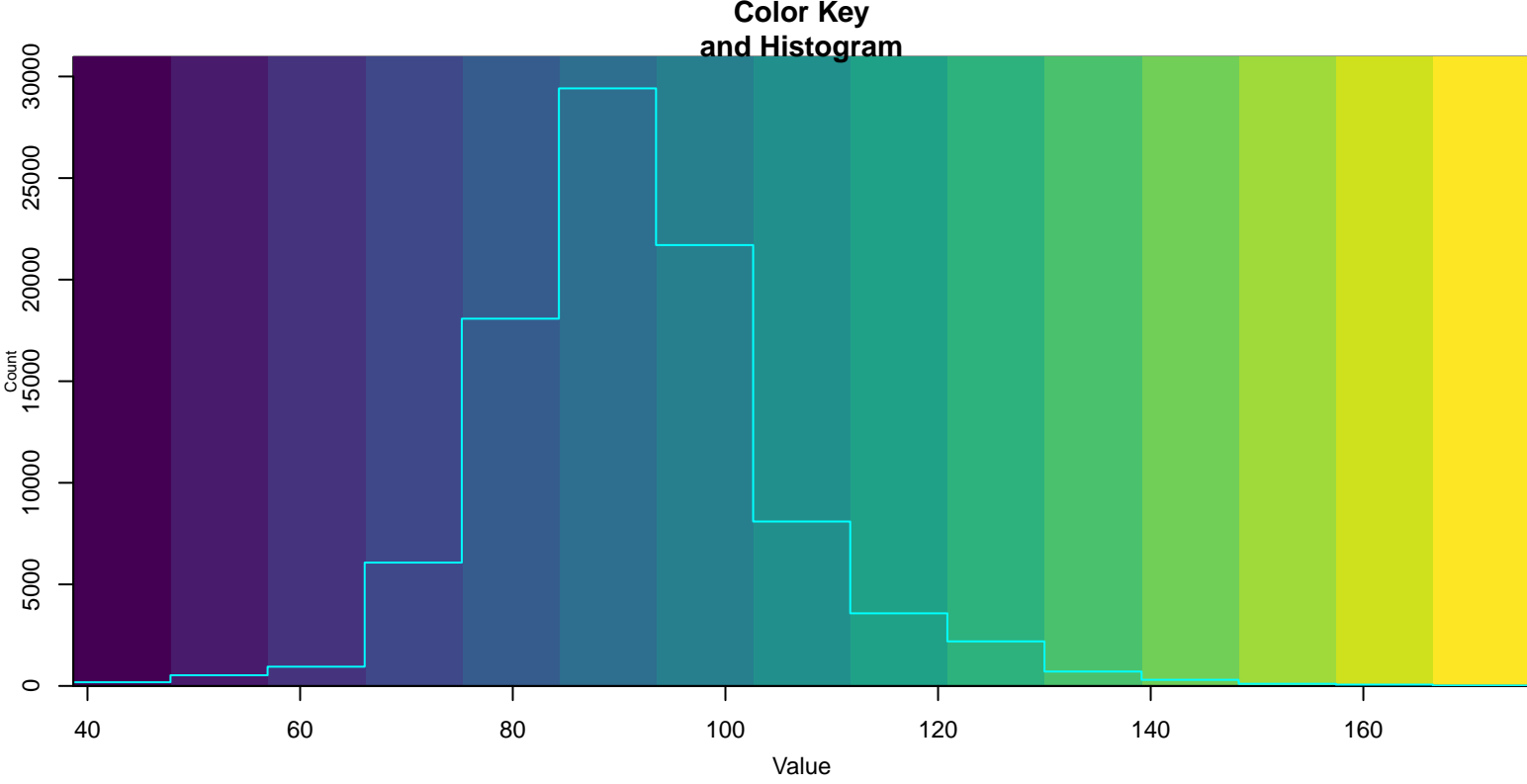


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Cotwellia sp. BRX10-3  
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Cotwellia polaris strain MCCC1C00015  
Cotwellia sp. PAMC 21821 strain PAMC 21821  
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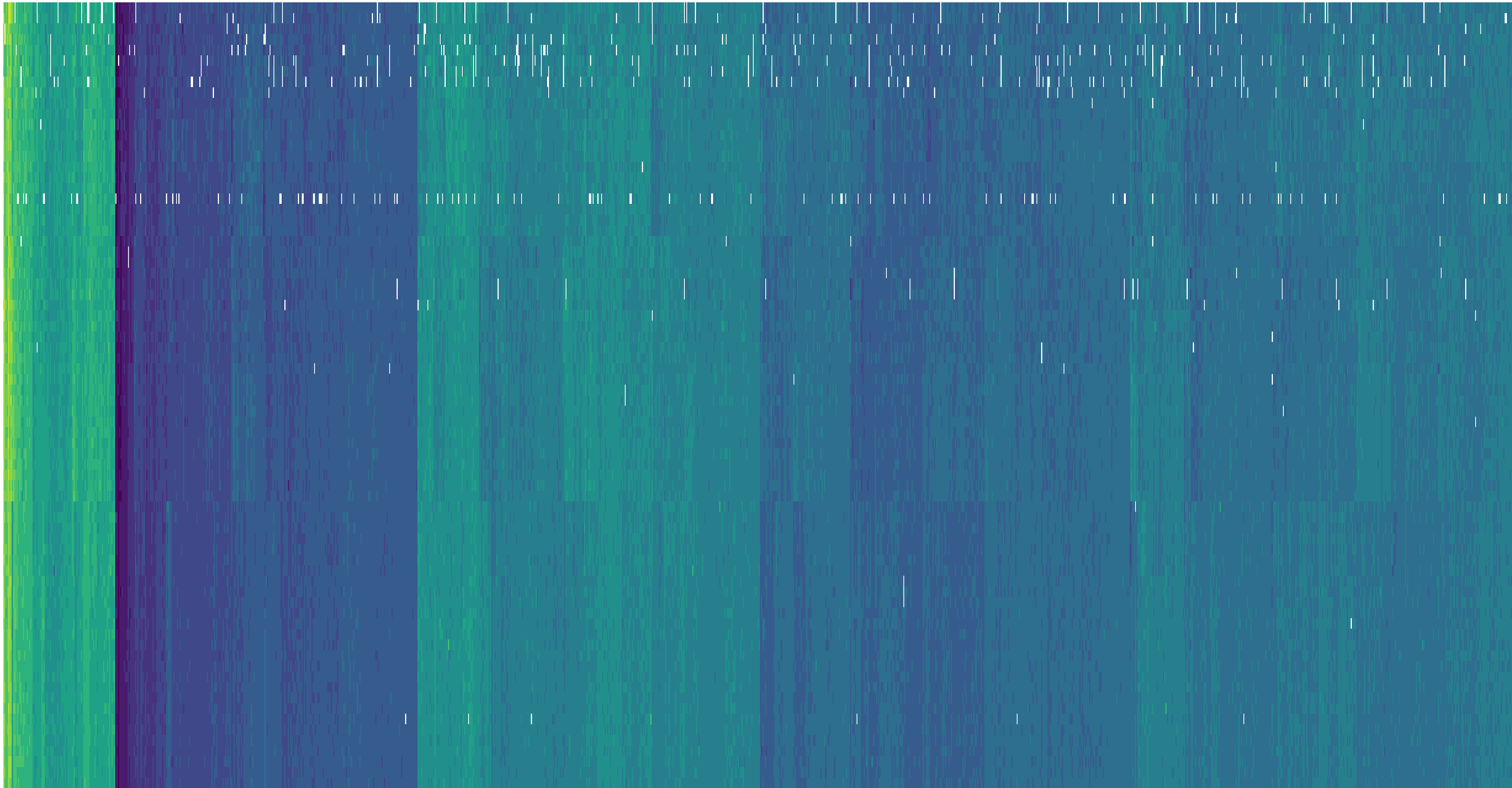
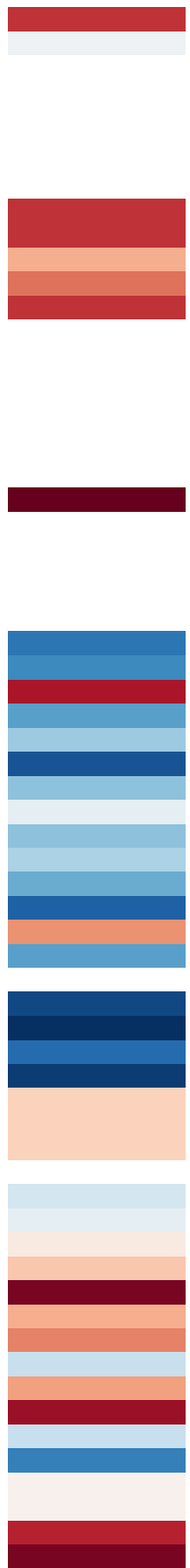
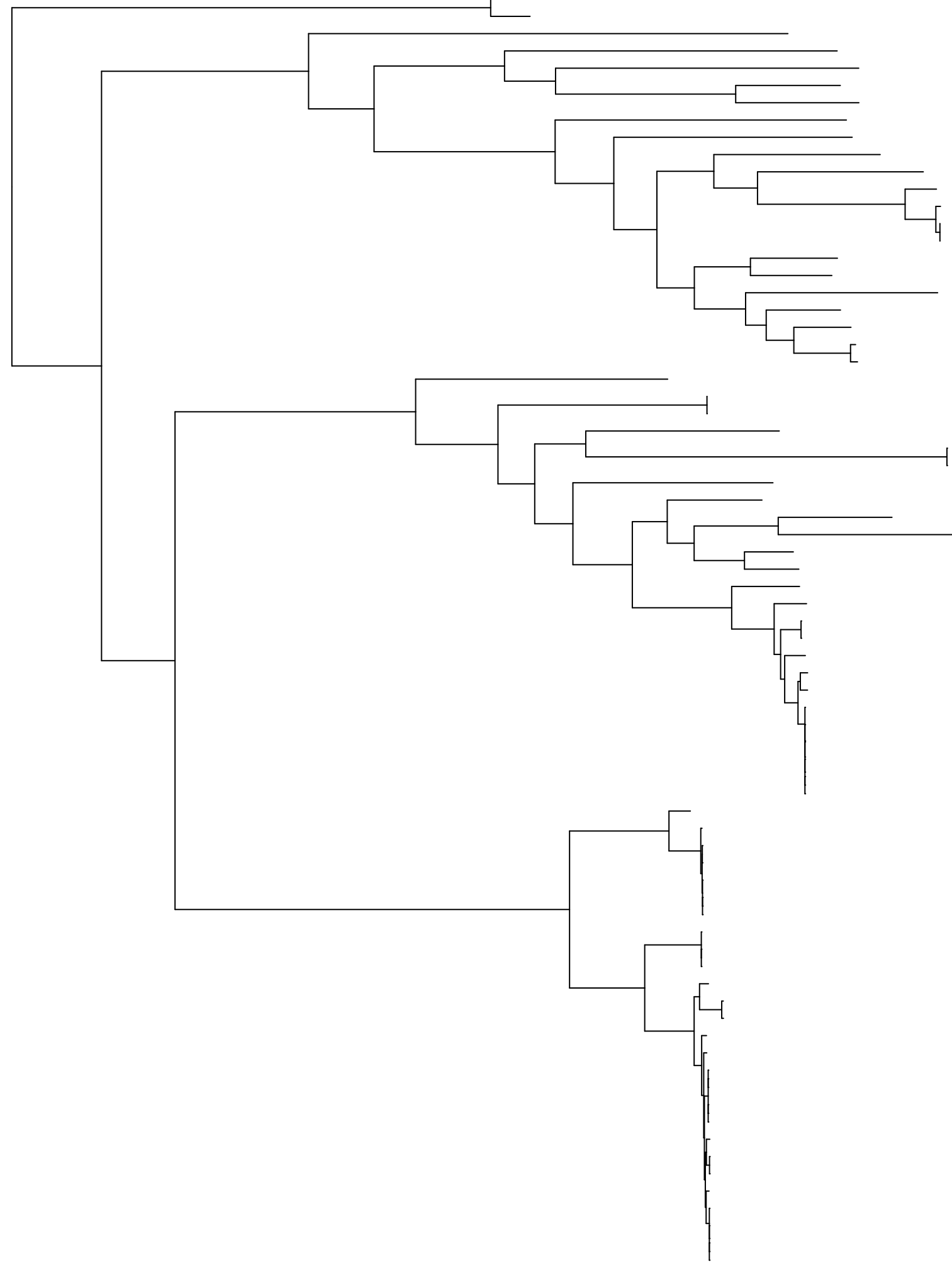
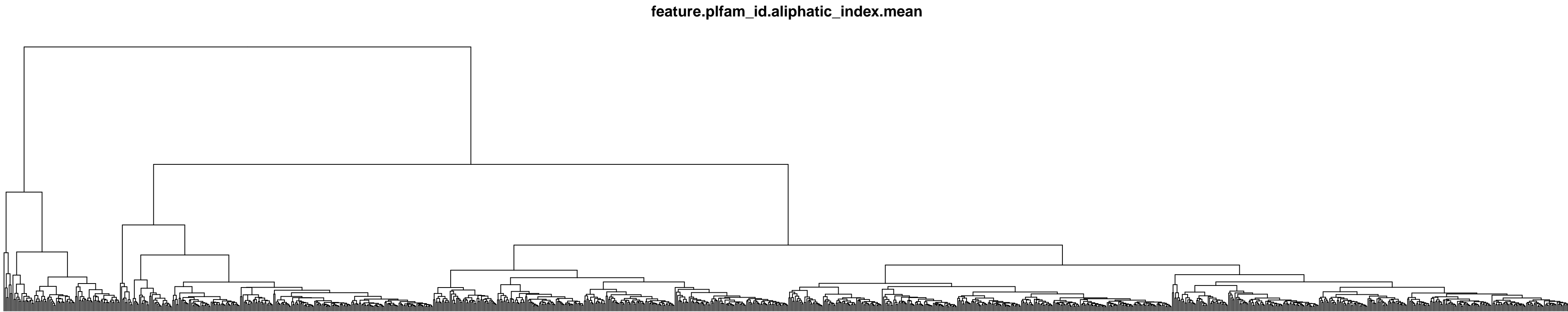
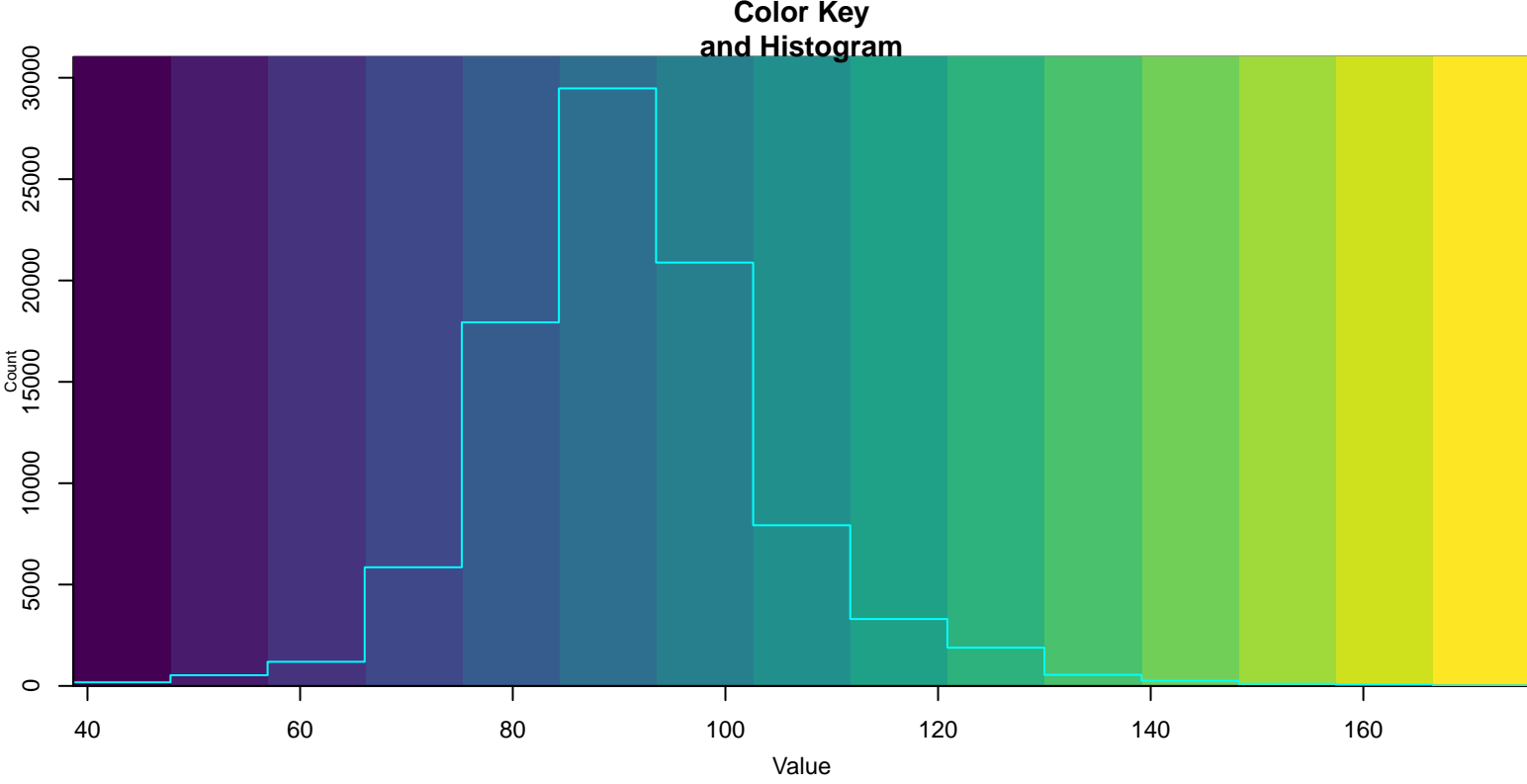




Cowellia sp. QM50 strain QM50  
Cowellia sp. UCD-KL20 strain UCD-KL20  
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Cowellia sp. 20A7  
Cowellia sp. 39\_35\_sub15\_T18 strain 39\_35\_sub15\_T18  
Cowellia sp. strain NORP29  
Cowellia sp. Bin11-node4  
Cowellia sp. A3T  
Cowellia sp. OISW-25  
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  
Cowellia sp. MB02u-10  
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Cowellia sp. MB02u-19  
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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  
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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 aestuarii strain KCTC 12480  
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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  
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Cowellia sp. MB3u-4  
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Cowellia hornerae strain ACAM 607  
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Cowellia hornerae strain IC037  
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Cowellia sp. BRX8-9  
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Cowellia sp. BRX8-3  
Cowellia sp. BRX8-6  
Cowellia sp. BRX8-5



Cotwellia sp. QM50 strain QM50  
Cotwellia sp. UCD-KL20 strain UCD-KL20  
Cotwellia sp. RSH04  
Cotwellia sp. 20A7  
Cotwellia sp. 39\_35\_sub15\_T18 strain 39\_35\_sub15  
Cotwellia sp. strain NORP29  
Cotwellia sp. Bin11-node4  
Cotwellia sp. A3T  
Cotwellia sp. OISW-25  
Cotwellia psychrerythraea GAB14E  
Cotwellia piezophila ATCC BAA-637  
Cotwellia sp. TT2012  
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 CGMCC 1.9127  
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  
Cotwellia sp. C1TZA3  
Cotwellia sp. MB02u-6  
Cotwellia sp. MB3u-70  
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Cotwellia hornerae strain ACAM 607  
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Cotwellia sp. BRX8-5