

# Supplementary Tables

of

## The new problem of *Chinlestegophis* and the origin of caecilians (Amphibia, Gymnophionomorpha) is highly sensitive to old problems of sampling and character construction

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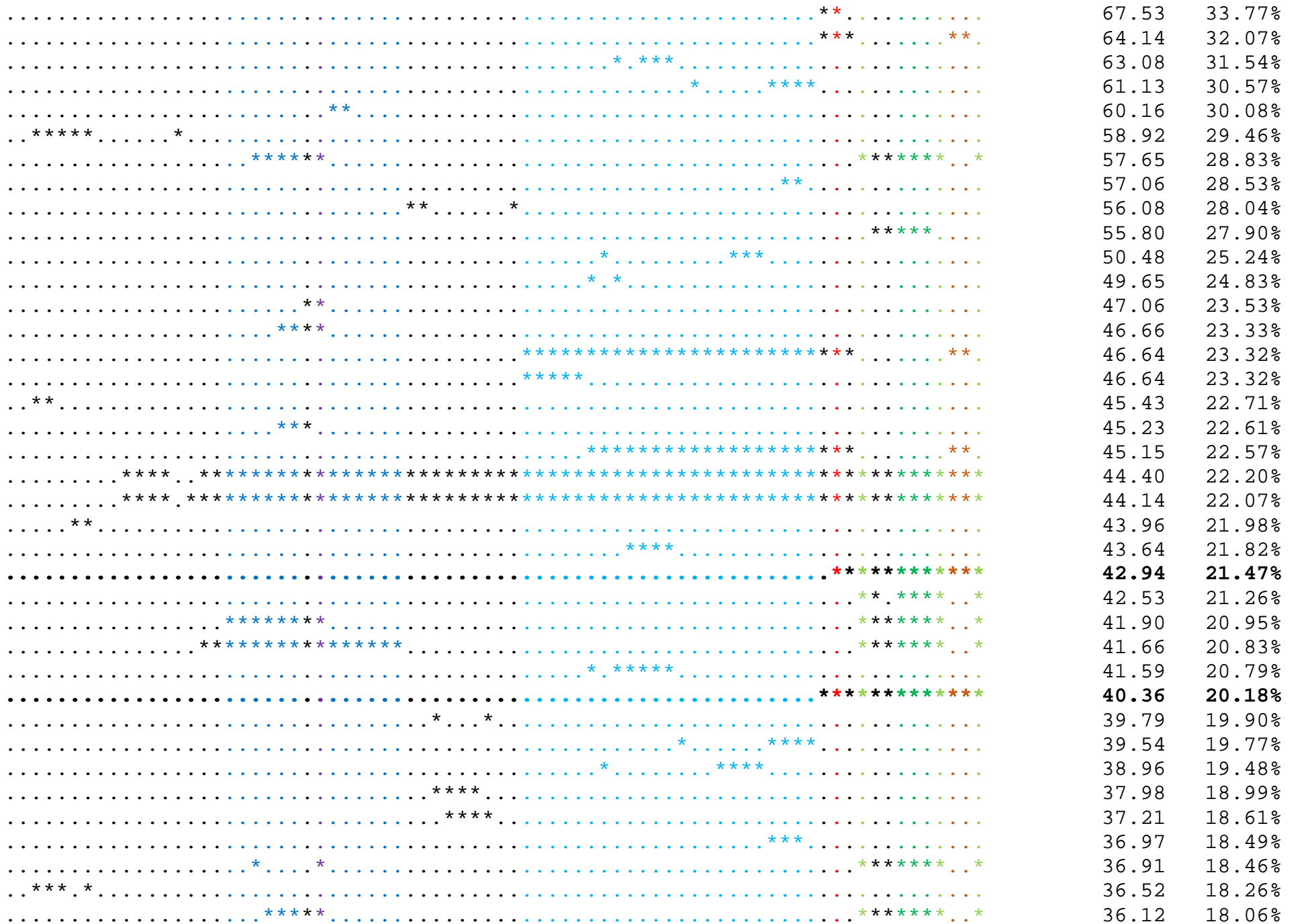
All four Supplementary Tables show the frequencies of bipartitions in our (unrooted) bootstrap analyses. The numbers in the top lines correspond to the OTUs in the matrix. Additionally, some OTUs are marked with approximately the same colors as in the figures. *Gerobatrachus* (25) is marked in **violet**; it is immediately preceded by *Doleserpeton* (24, unmarked). The other dissorophoids (18–23 and 26–31) are **dark blue**; the uncontroversial stereospondyls (41–63) are **turquoise**. *Rileymillerus* (64, unmarked) immediately precedes, and *Eocaecilia* (66, unmarked) immediately follows, *Chinlestegophis* (65, marked in **red**). Gymnophiona (74, 75) is **brown**. Unlike in the figures, not only the extant frogs *Xenopus* (*Silurana*) (73) and *Leptodactylus* (76), but also the stem-salientian *Triadobatrachus* (67, immediately following *Eocaecilia*) are **light green**; like in the figures, the extant salamanders (70–72) are **dark green**. Between *Triadobatrachus* and the salamanders are the karaurids *Karaurus* and *Kokartus* (68, 69; unmarked). Only Supplementary Tables 3 and 4 contain Albanerpetidae; in both it is the last OTU (77) and unmarked. Bipartitions mentioned in the text are rendered in **boldface**.

**Supplementary Table 1.** Bipartition frequencies in the bootstrap of analysis b (unmodified published matrix of Pardo et al. 2017a).

Bipartitions found in one or more trees and frequency of occurrence (bootstrap support values):

| 11111111111122222222222333333333344444444445555555555666666666677777777 | 123456789012345678901234567890123456789012345678901234567890123456 | Freq   | %       |
|---|--|--------|---------|
| .....**.....*   |  | 200.00 | 100.00% |
| .....**.....*   |  | 200.00 | 100.00% |
| .....**.....*   |  | 200.00 | 100.00% |
| .....**.....*   |  | 200.00 | 100.00% |
| .....**.....*   |  | 199.62 | 99.81%  |
| .....**.....*   |  | 199.00 | 99.50%  |
| .....**.....*   |  | 194.08 | 97.04%  |
| .....**.....*   |  | 190.47 | 95.23%  |
| .....**.....*   |  | 190.00 | 95.00%  |
| .....**.....*   |  | 184.67 | 92.34%  |
| .....**.....*   |  | 181.59 | 90.80%  |
| .....**.....*   |  | 181.38 | 90.69%  |

|          |               |               |
|----------|---------------|---------------|
| .....*   | 181.11        | 90.55%        |
| .....**  | 176.04        | 88.02%        |
| .....*** | 174.23        | 87.12%        |
| .....*** | 172.10        | 86.05%        |
| .....*** | 167.44        | 83.72%        |
| .....**  | 165.25        | 82.62%        |
| .....**  | 163.41        | 81.71%        |
| .....*** | 160.89        | 80.45%        |
| .....*** | 160.36        | 80.18%        |
| .....**  | 149.23        | 74.61%        |
| .....**  | 143.91        | 71.96%        |
| .....*   | 143.23        | 71.62%        |
| .....*** | 135.17        | 67.58%        |
| .....**  | 134.75        | 67.37%        |
| .....**  | 131.64        | 65.82%        |
| .....**  | 113.96        | 56.98%        |
| .....**  | 107.65        | 53.83%        |
| .....**  | 105.02        | 52.51%        |
| .....**  | <b>104.93</b> | <b>52.46%</b> |
| .....**  | 104.41        | 52.21%        |
| .....**  | 103.40        | 51.70%        |
| .....**  | 96.02         | 48.01%        |
| .....**  | 93.26         | 46.63%        |
| .....**  | 92.14         | 46.07%        |
| .....**  | 88.27         | 44.14%        |
| .....**  | <b>86.87</b>  | <b>43.44%</b> |
| .....**  | 82.13         | 41.07%        |
| .....**  | 81.38         | 40.69%        |
| .....**  | 81.26         | 40.63%        |
| .....**  | 81.19         | 40.60%        |
| .....**  | 80.49         | 40.24%        |
| .....**  | 77.16         | 38.58%        |
| .....**  | 76.58         | 38.29%        |
| .....**  | 75.12         | 37.56%        |
| .....**  | <b>73.78</b>  | <b>36.89%</b> |
| .....**  | 70.29         | 35.14%        |
| .....**  | <b>69.76</b>  | <b>34.88%</b> |
| .....**  | 68.28         | 34.14%        |



|        |      |        |              |               |
|--------|------|--------|--------------|---------------|
| .....* | **** | .....* | 35.34        | 17.67%        |
| .....* |      | .....* | 34.81        | 17.41%        |
| .....* | **   | .....* | 34.73        | 17.36%        |
| .....* |      | .....* | 34.54        | 17.27%        |
| .....* |      | .....* | 34.43        | 17.22%        |
| .....* |      | .....* | 33.98        | 16.99%        |
| .....* |      | .....* | 33.86        | 16.93%        |
| .....* |      | .....* | 33.24        | 16.62%        |
| .....* |      | .....* | 32.30        | 16.15%        |
| .....* |      | .....* | 32.18        | 16.09%        |
| .....* |      | .....* | 32.06        | 16.03%        |
| .....* |      | .....* | <b>31.51</b> | <b>15.76%</b> |
| .....* |      | .....* | 30.97        | 15.49%        |
| .....* |      | .....* | 30.93        | 15.46%        |
| .....* |      | .....* | 30.89        | 15.44%        |
| .....* |      | .....* | 30.81        | 15.40%        |
| .....* |      | .....* | 30.67        | 15.33%        |
| .....* |      | .....* | 30.14        | 15.07%        |
| .....* |      | .....* | 30.05        | 15.03%        |
| .....* |      | .....* | 29.25        | 14.62%        |
| .....* |      | .....* | 28.91        | 14.45%        |
| .....* |      | .....* | 28.74        | 14.37%        |
| .....* |      | .....* | 28.56        | 14.28%        |
| .....* |      | .....* | 28.23        | 14.11%        |
| .....* |      | .....* | 28.17        | 14.08%        |
| .....* |      | .....* | 27.91        | 13.95%        |
| .....* |      | .....* | 27.87        | 13.94%        |
| .....* |      | .....* | 27.86        | 13.93%        |
| .....* |      | .....* | 27.59        | 13.80%        |
| .....* |      | .....* | 27.40        | 13.70%        |
| .....* |      | .....* | 26.74        | 13.37%        |
| .....* |      | .....* | 26.16        | 13.08%        |
| .....* |      | .....* | 26.01        | 13.01%        |
| .....* |      | .....* | 25.89        | 12.95%        |
| .....* |      | .....* | 25.87        | 12.94%        |
| .....* |      | .....* | 25.65        | 12.82%        |
| .....* |      | .....* | 25.24        | 12.62%        |
| .....* |      | .....* | 25.07        | 12.53%        |

|        |              |              |
|--------|--------------|--------------|
| .....* | 24.58        | 12.29%       |
| .....* | 24.50        | 12.25%       |
| .....* | 24.21        | 12.11%       |
| .....* | 24.06        | 12.03%       |
| .....* | 23.87        | 11.93%       |
| .....* | 23.75        | 11.87%       |
| .....* | 23.41        | 11.70%       |
| .....* | 22.90        | 11.45%       |
| .....* | 22.67        | 11.33%       |
| .....* | 22.60        | 11.30%       |
| .....* | 22.50        | 11.25%       |
| .....* | 22.46        | 11.23%       |
| .....* | 22.28        | 11.14%       |
| .....* | 21.73        | 10.87%       |
| .....* | 21.28        | 10.64%       |
| .....* | 21.17        | 10.58%       |
| .....* | 20.82        | 10.41%       |
| .....* | 20.63        | 10.31%       |
| .....* | 20.60        | 10.30%       |
| .....* | 20.52        | 10.26%       |
| .....* | 20.40        | 10.20%       |
| .....* | 20.31        | 10.15%       |
| .....* | 19.76        | 9.88%        |
| .....* | 19.56        | 9.78%        |
| .....* | 19.49        | 9.75%        |
| .....* | 19.39        | 9.70%        |
| .....* | 19.17        | 9.59%        |
| .....* | 19.12        | 9.56%        |
| .....* | 19.01        | 9.51%        |
| .....* | 19.00        | 9.50%        |
| .....* | 18.46        | 9.23%        |
| .....* | 18.44        | 9.22%        |
| .....* | <b>17.84</b> | <b>8.92%</b> |
| .....* | <b>17.81</b> | <b>8.90%</b> |
| .....* | <b>17.77</b> | <b>8.88%</b> |
| .....* | 17.70        | 8.85%        |
| .....* | 17.65        | 8.82%        |
| .....* | 17.54        | 8.77%        |

|                 |                 |                 |              |              |
|-----------------|-----------------|-----------------|--------------|--------------|
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 17.10        | 8.55%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 16.88        | 8.44%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 16.78        | 8.39%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 16.55        | 8.27%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 16.52        | 8.26%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | <b>16.51</b> | <b>8.26%</b> |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 16.46        | 8.23%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 16.39        | 8.19%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 16.35        | 8.17%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 16.26        | 8.13%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 15.79        | 7.89%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 15.58        | 7.79%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 15.51        | 7.76%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 15.51        | 7.75%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 15.49        | 7.75%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 15.32        | 7.66%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 15.19        | 7.59%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 15.15        | 7.58%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 15.04        | 7.52%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 14.99        | 7.50%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 14.92        | 7.46%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 14.76        | 7.38%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 14.68        | 7.34%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 14.20        | 7.10%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 13.91        | 6.96%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 13.89        | 6.94%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 13.85        | 6.93%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 13.75        | 6.87%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 13.66        | 6.83%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 13.63        | 6.81%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 13.43        | 6.71%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 13.40        | 6.70%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 13.39        | 6.70%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 13.36        | 6.68%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 13.35        | 6.67%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 13.25        | 6.63%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 13.20        | 6.60%        |
| ..... * * * * * | ..... * * * * * | ..... * * * * * | 13.17        | 6.59%        |

|                    |       |       |
|--------------------|-------|-------|
| ..... ***** *      | 13.17 | 6.59% |
| ..... **** * ..... | 13.16 | 6.58% |
| ..... ***** .....  | 13.12 | 6.56% |
| * .....            | 13.10 | 6.55% |
| ..... ***** .....  | 13.04 | 6.52% |
| ..... ***** .....  | 12.94 | 6.47% |
| ..... ***** .....  | 12.85 | 6.43% |
| ..... ***** .....  | 12.65 | 6.33% |
| ..... ***** .....  | 12.63 | 6.32% |
| ..... ***** .....  | 12.60 | 6.30% |
| ..... ***** .....  | 12.52 | 6.26% |
| ..... ***** .....  | 12.50 | 6.25% |
| ..... ***** .....  | 12.47 | 6.24% |
| ..... ***** .....  | 12.45 | 6.23% |
| ..... ***** .....  | 12.40 | 6.20% |
| ..... ***** .....  | 12.36 | 6.18% |
| ..... ***** .....  | 12.36 | 6.18% |
| ..... ***** .....  | 12.31 | 6.16% |
| ..... ***** .....  | 12.28 | 6.14% |
| ..... ***** .....  | 12.08 | 6.04% |
| ..... ***** .....  | 11.97 | 5.99% |
| * .....            | 11.84 | 5.92% |
| ..... ***** .....  | 11.75 | 5.87% |
| ..... ***** .....  | 11.74 | 5.87% |
| ..... ***** .....  | 11.70 | 5.85% |
| ..... ***** .....  | 11.59 | 5.80% |
| ..... ***** .....  | 11.57 | 5.78% |
| ..... ***** .....  | 11.56 | 5.78% |
| ..... ***** .....  | 11.46 | 5.73% |
| ..... ***** .....  | 11.37 | 5.68% |
| ..... ***** .....  | 11.35 | 5.68% |
| ..... ***** .....  | 11.25 | 5.62% |
| ..... ***** .....  | 11.10 | 5.55% |
| ..... ***** .....  | 11.07 | 5.53% |
| ..... ***** .....  | 11.03 | 5.51% |
| ..... ***** .....  | 10.91 | 5.46% |
| ..... ***** .....  | 10.75 | 5.37% |
| ..... ***** .....  | 10.71 | 5.35% |

|                   |       |       |
|-------------------|-------|-------|
| ..... ***** ..... | 10.57 | 5.28% |
| ..... ***** ..... | 10.56 | 5.28% |
| ..... ***** ..... | 10.51 | 5.26% |
| ..... ***** ..... | 10.48 | 5.24% |
| ..... ** .....    | 10.36 | 5.18% |
| ..... * .....     | 10.29 | 5.14% |
| ..... * .....     | 10.29 | 5.14% |
| ..... ***** ..... | 10.28 | 5.14% |
| ..... ***** ..... | 10.24 | 5.12% |
| ..... ***** ..... | 10.20 | 5.10% |
| ..... ***** ..... | 10.02 | 5.01% |
| ..... *** .....   | 10.01 | 5.00% |
| ..... * .....     | 9.98  | 4.99% |

2211 groups at (relative) frequency less than 5% not shown

**Supplementary Table 2.** Bipartition frequencies in the bootstrap of analysis d1 (unmodified published matrix of Pardo et al. 2017a, clinal characters ordered).

Bipartitions found in one or more trees and frequency of occurrence (bootstrap support values):

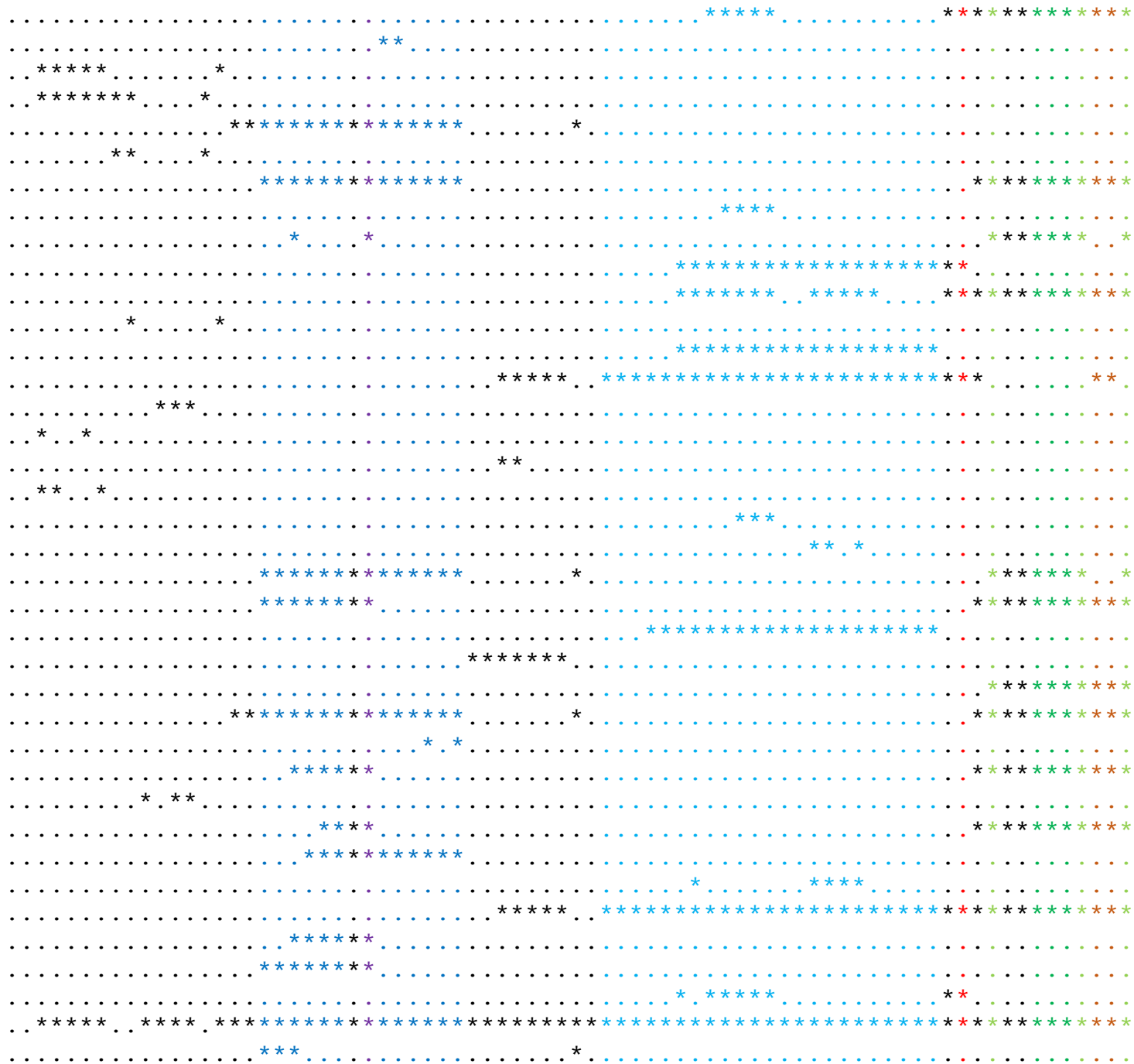
| 1111111111222222222233333333344444444445555555555666666666777777777 | Freq   | %       |
|---|--------|---------|
| ..... ** .....  | 200.00 | 100.00% |
| ..... ** .....  | 200.00 | 100.00% |
| ..... ** .....  | 200.00 | 100.00% |
| ..... ** .....  | 200.00 | 100.00% |
| ..... * .....   | 198.21 | 99.10%  |
| ..... ** .....  | 197.89 | 98.95%  |
| ..... ***** .....   | 195.47 | 97.74%  |
| ..... ***** .....   | 189.42 | 94.71%  |
| ..... ***** .....   | 187.11 | 93.56%  |
| ..... ***** .....   | 186.54 | 93.27%  |
| ..... ***** .....   | 183.90 | 91.95%  |
| ..... ***** .....   | 183.61 | 91.81%  |
| ..... * .....   | 181.11 | 90.55%  |
| ..... ** .....  | 178.03 | 89.02%  |



|                        |              |               |
|------------------------|--------------|---------------|
| .....***.....          | 174.87       | 87.44%        |
| .....*****.....*       | 173.87       | 86.94%        |
| .....***.....          | 168.66       | 84.33%        |
| .....*.....**.....     | 163.45       | 81.73%        |
| .....***.....          | 157.52       | 78.76%        |
| .....**.....           | 156.87       | 78.43%        |
| .....*.....*****.....  | 144.52       | 72.26%        |
| .....**.....           | 144.22       | 72.11%        |
| .....***.....          | 141.80       | 70.90%        |
| .....***.....          | 141.38       | 70.69%        |
| .....**.....           | 139.52       | 69.76%        |
| .....****.....         | 137.63       | 68.82%        |
| .....**.....           | 132.63       | 66.31%        |
| .....**.....           | 118.31       | 59.15%        |
| .....*.....**.....*    | 111.98       | 55.99%        |
| .....*.....*           | 106.99       | 53.50%        |
| .....*.....*           | 100.09       | 50.05%        |
| .....****.....         | 98.73        | 49.36%        |
| .....*.....*           | 97.32        | 48.66%        |
| .....**.....           | 96.03        | 48.02%        |
| .....*.....*           | 95.53        | 47.77%        |
| .....*****.....*       | <b>91.41</b> | <b>45.71%</b> |
| .....**.....**.....    | <b>87.02</b> | <b>43.51%</b> |
| .....**.....           | 85.85        | 42.93%        |
| .....**.....           | 83.49        | 41.74%        |
| .....*.....*           | 83.43        | 41.71%        |
| .....*.....*           | 81.17        | 40.58%        |
| .....**.....**.....    | <b>80.94</b> | <b>40.47%</b> |
| .....**.....           | 80.85        | 40.42%        |
| .....***.....          | 79.06        | 39.53%        |
| .....**.....**.....    | 77.64        | 38.82%        |
| .....*****.....        | 77.64        | 38.82%        |
| .....*****.....        | 74.88        | 37.44%        |
| .....*.....***.....    | 71.72        | 35.86%        |
| .....*.....*****.....* | <b>71.09</b> | <b>35.54%</b> |
| .....***.....          | 68.38        | 34.19%        |
| .....**.....**.....    | 67.79        | 33.90%        |
| .....**.....           | 63.68        | 31.84%        |

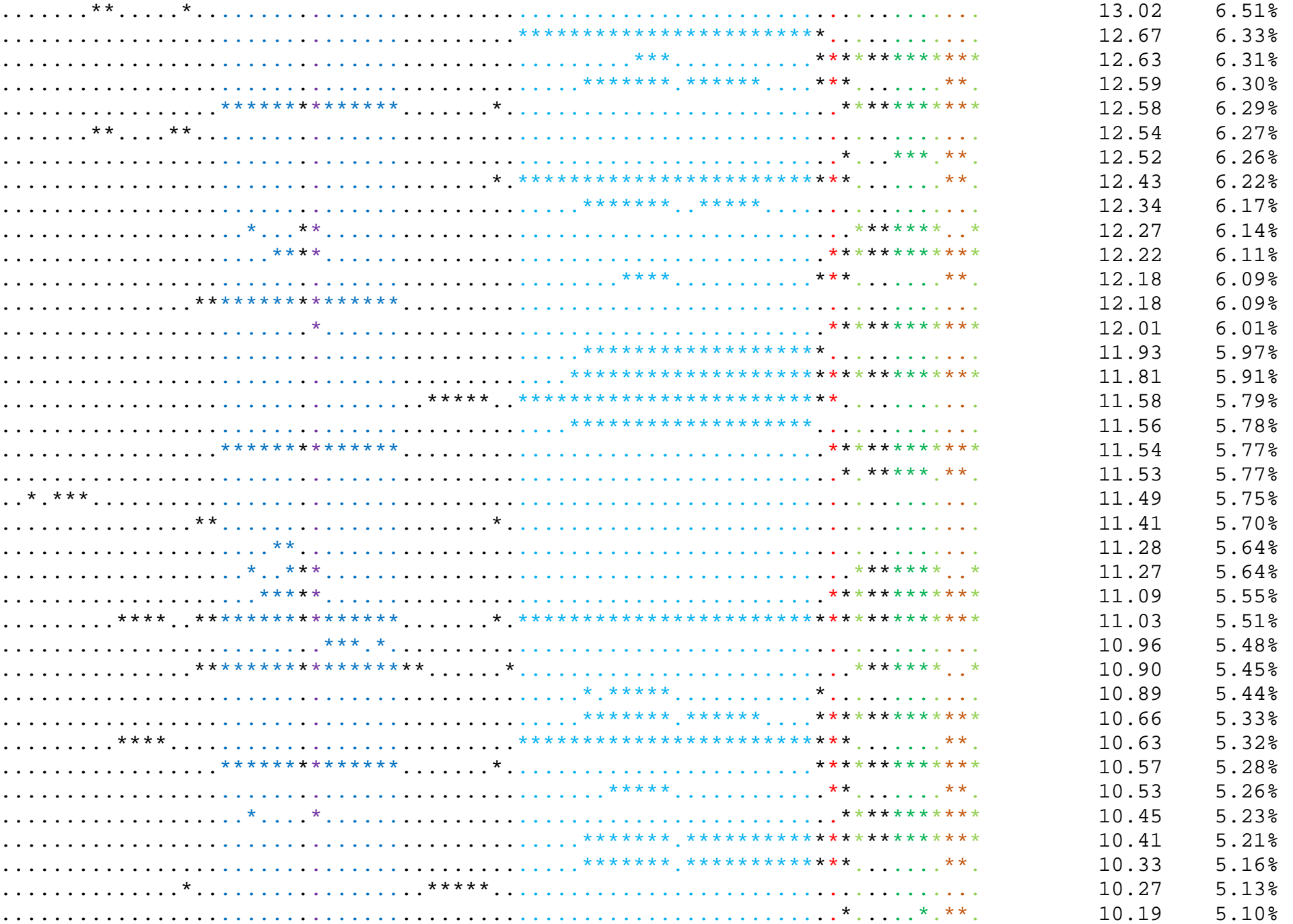
|       |      |       |       |              |               |
|-------|------|-------|-------|--------------|---------------|
| ..... | ..** | ..... | ..... | 63.19        | 31.60%        |
| ..... | ..** | ..... | ..... | 61.34        | 30.67%        |
| ..... | ..** | ..... | ..... | <b>60.45</b> | <b>30.23%</b> |
| ..... | ..** | ..... | ..... | <b>58.38</b> | <b>29.19%</b> |
| ..... | ..** | ..... | ..... | 58.09        | 29.03%        |
| ..... | ..** | ..... | ..... | 55.78        | 27.89%        |
| ..... | ..** | ..... | ..... | 51.77        | 25.89%        |
| ..... | ..** | ..... | ..... | 51.35        | 25.68%        |
| ..... | ..** | ..... | ..... | 51.23        | 25.61%        |
| ..... | ..** | ..... | ..... | 50.80        | 25.40%        |
| ..... | ..** | ..... | ..... | 48.24        | 24.12%        |
| ..... | ..** | ..... | ..... | 46.88        | 23.44%        |
| ..... | ..** | ..... | ..... | 46.45        | 23.23%        |
| ..... | ..** | ..... | ..... | 45.39        | 22.70%        |
| ..... | ..** | ..... | ..... | 45.26        | 22.63%        |
| ..... | ..** | ..... | ..... | 42.63        | 21.31%        |
| ..... | ..** | ..... | ..... | 42.60        | 21.30%        |
| ..... | ..** | ..... | ..... | 42.48        | 21.24%        |
| ..... | ..** | ..... | ..... | 42.16        | 21.08%        |
| ..... | ..** | ..... | ..... | 41.98        | 20.99%        |
| ..... | ..** | ..... | ..... | 41.92        | 20.96%        |
| ..... | ..** | ..... | ..... | 41.45        | 20.72%        |
| ..... | ..** | ..... | ..... | 41.32        | 20.66%        |
| ..... | ..** | ..... | ..... | 40.66        | 20.33%        |
| ..... | ..** | ..... | ..... | 40.64        | 20.32%        |
| ..... | ..** | ..... | ..... | 40.60        | 20.30%        |
| ..... | ..** | ..... | ..... | 40.55        | 20.27%        |
| ..... | ..** | ..... | ..... | 40.12        | 20.06%        |
| ..... | ..** | ..... | ..... | 40.03        | 20.01%        |
| ..... | ..** | ..... | ..... | 39.80        | 19.90%        |
| ..... | ..** | ..... | ..... | 39.66        | 19.83%        |
| ..... | ..** | ..... | ..... | 38.44        | 19.22%        |
| ..... | ..** | ..... | ..... | 38.27        | 19.13%        |
| ..... | ..** | ..... | ..... | 36.94        | 18.47%        |
| ..... | ..** | ..... | ..... | 36.80        | 18.40%        |
| ..... | ..** | ..... | ..... | 36.43        | 18.21%        |
| ..... | ..** | ..... | ..... | 36.43        | 18.21%        |
| ..... | ..** | ..... | ..... | 36.10        | 18.05%        |

|                |           |                |           |              |               |
|----------------|-----------|----------------|-----------|--------------|---------------|
| .....* * * * * | .....     | .....* * * * * | .....     | 35.22        | 17.61%        |
| .....* * *     | .....     | .....          | .....     | 34.48        | 17.24%        |
| .....          | .....     | .....*         | .....     | 34.36        | 17.18%        |
| .....          | .....     | .....*         | .....     | 33.57        | 16.78%        |
| * * * * *      | * * * * * | * * * * *      | * * * * * | 32.74        | 16.37%        |
| .....          | .....     | .....*         | .....     | 32.64        | 16.32%        |
| .....          | .....     | .....*         | .....*    | 32.50        | 16.25%        |
| .....          | .....     | .....*         | .....*    | 32.41        | 16.21%        |
| .....          | .....     | * * * * *      | * * * * * | 31.35        | 15.68%        |
| .....          | .....     | .....          | .....     | 31.21        | 15.60%        |
| .....          | .....     | .....          | .....     | 30.11        | 15.05%        |
| .....          | .....     | * * * * *      | * * * * * | 29.94        | 14.97%        |
| .....          | .....     | .....*         | .....*    | 29.65        | 14.82%        |
| .....          | .....     | .....*         | .....*    | 29.62        | 14.81%        |
| .....          | .....     | .....*         | .....*    | 29.58        | 14.79%        |
| .....          | .....     | .....*         | .....*    | 29.56        | 14.78%        |
| .....          | .....     | .....*         | .....*    | <b>29.32</b> | <b>14.66%</b> |
| .....          | .....     | .....*         | .....*    | 28.33        | 14.16%        |
| .....          | .....     | .....*         | .....*    | 27.89        | 13.95%        |
| * * * * *      | * * *     | .....*         | .....*    | 27.59        | 13.79%        |
| .....          | .....     | .....*         | .....*    | 27.47        | 13.73%        |
| .....          | .....     | .....*         | .....*    | 27.40        | 13.70%        |
| .....          | .....     | .....*         | .....*    | 27.15        | 13.57%        |
| .....          | .....     | .....*         | .....*    | 27.07        | 13.54%        |
| .....          | .....     | .....*         | .....*    | 27.07        | 13.53%        |
| .....          | .....     | .....*         | .....*    | 26.73        | 13.36%        |
| .....          | .....     | .....*         | .....*    | 26.57        | 13.29%        |
| .....          | .....     | * * * * *      | * * * * * | 26.53        | 13.26%        |
| .....          | .....     | .....*         | .....*    | 25.83        | 12.91%        |
| .....          | .....     | .....*         | .....*    | 25.78        | 12.89%        |
| .....          | .....     | .....*         | .....*    | 25.66        | 12.83%        |
| * * * * *      | * * *     | .....*         | .....*    | 25.56        | 12.78%        |
| .....          | .....     | .....*         | .....*    | 25.45        | 12.73%        |
| .....          | .....     | .....*         | .....*    | 25.29        | 12.64%        |
| .....          | .....     | .....*         | .....*    | 25.26        | 12.63%        |
| * * * *        | .....     | .....*         | .....*    | 25.24        | 12.62%        |
| .....          | .....     | .....*         | .....*    | 24.96        | 12.48%        |
| .....          | .....     | .....*         | .....*    | 24.81        | 12.40%        |



|       |        |
|-------|--------|
| 24.79 | 12.40% |
| 24.75 | 12.37% |
| 24.73 | 12.36% |
| 24.32 | 12.16% |
| 24.25 | 12.13% |
| 23.94 | 11.97% |
| 23.79 | 11.90% |
| 23.02 | 11.51% |
| 22.93 | 11.46% |
| 22.28 | 11.14% |
| 22.17 | 11.08% |
| 22.13 | 11.07% |
| 22.11 | 11.05% |
| 22.07 | 11.03% |
| 21.92 | 10.96% |
| 21.74 | 10.87% |
| 21.53 | 10.76% |
| 21.04 | 10.52% |
| 20.88 | 10.44% |
| 20.49 | 10.24% |
| 20.30 | 10.15% |
| 20.28 | 10.14% |
| 20.17 | 10.09% |
| 20.16 | 10.08% |
| 20.15 | 10.07% |
| 19.92 | 9.96%  |
| 19.86 | 9.93%  |
| 19.81 | 9.90%  |
| 19.51 | 9.76%  |
| 19.24 | 9.62%  |
| 18.95 | 9.48%  |
| 18.47 | 9.23%  |
| 18.35 | 9.18%  |
| 18.14 | 9.07%  |
| 18.11 | 9.06%  |
| 17.94 | 8.97%  |
| 17.85 | 8.93%  |
| 17.76 | 8.88%  |

|         |       |       |
|---------|-------|-------|
| * . . * | 17.54 | 8.77% |
| ***     | 17.52 | 8.76% |
| *****   | 17.35 | 8.68% |
| *       | 17.29 | 8.64% |
| *****   | 17.28 | 8.64% |
| * * *   | 17.08 | 8.54% |
| * *     | 16.93 | 8.47% |
| *****   | 16.56 | 8.28% |
| **      | 16.50 | 8.25% |
| *****   | 16.40 | 8.20% |
| * *     | 16.16 | 8.08% |
| *****   | 15.69 | 7.85% |
| *****   | 15.60 | 7.80% |
| *****   | 15.59 | 7.79% |
| *****   | 15.37 | 7.68% |
| * ***** | 15.25 | 7.63% |
| *****   | 15.24 | 7.62% |
| * *     | 15.19 | 7.59% |
| * *     | 15.17 | 7.58% |
| *****   | 15.09 | 7.54% |
| *****   | 15.05 | 7.53% |
| *****   | 14.97 | 7.48% |
| *****   | 14.91 | 7.45% |
| *****   | 14.45 | 7.22% |
| * *     | 14.43 | 7.21% |
| * *     | 14.42 | 7.21% |
| *****   | 14.38 | 7.19% |
| *****   | 14.09 | 7.04% |
| *****   | 14.05 | 7.03% |
| *****   | 14.05 | 7.02% |
| *****   | 13.60 | 6.80% |
| * *     | 13.52 | 6.76% |
| *****   | 13.46 | 6.73% |
| *****   | 13.43 | 6.72% |
| *****   | 13.39 | 6.70% |
| *****   | 13.15 | 6.57% |
| *****   | 13.09 | 6.55% |
| *****   | 13.03 | 6.52% |



|                              |       |       |
|------------------------------|-------|-------|
| .....**.....**.....****..... | 10.02 | 5.01% |
| .....*****.....*             | 9.99  | 5.00% |
| .....*****.....*             | 9.99  | 5.00% |

2075 groups at (relative) frequency less than 5% not shown

**Supplementary Table 3.** Bipartition frequencies in the bootstrap of analysis d2 (unmodified published matrix of Pardo et al. 2017a, clinal characters ordered and Albanerpetidae added as OTU 77).

Bipartitions found in one or more trees and frequency of occurrence (bootstrap support values):

| 1111111111222222222233333333344444444445555555555666666666777777777 | Freq          | %             |
|---|---------------|---------------|
| .....**.....  | 200.00        | 100.00%       |
| .....**.....  | 200.00        | 100.00%       |
| .....**.....  | 199.67        | 99.83%        |
| .....**.....  | 200.00        | 100.00%       |
| .....**.....  | 198.89        | 99.44%        |
| .....**.....  | 197.34        | 98.67%        |
| .....*****.....   | 195.00        | 97.50%        |
| .....*****.....   | 194.30        | 97.15%        |
| .....*****.....   | 189.22        | 94.61%        |
| .....*****.....   | 184.50        | 92.25%        |
| .....*****.....   | 182.54        | 91.27%        |
| .....*****.....   | 180.61        | 90.31%        |
| .....*****.....   | 179.18        | 89.59%        |
| .....*****.....   | 175.28        | 87.64%        |
| .....*****.....   | 173.04        | 86.52%        |
| .....*****.....   | 166.01        | 83.00%        |
| .....*****.....   | 160.35        | 80.18%        |
| .....*****.....   | 158.11        | 79.06%        |
| .....*****.....   | 155.30        | 77.65%        |
| .....*****.....   | 153.86        | 76.93%        |
| .....*****.....   | 153.12        | 76.56%        |
| .....*****.....   | <b>149.19</b> | <b>74.60%</b> |
| .....*****.....   | 148.38        | 74.19%        |
| .....*****.....   | 139.14        | 69.57%        |

|    |      |               |               |
|----|------|---------------|---------------|
| .. | **   | 130.58        | 65.29%        |
| .. |      | 129.67        | 64.84%        |
| .. | **   | <b>124.84</b> | <b>62.42%</b> |
| .. | **   | 121.79        | 60.89%        |
| .. |      | <b>116.18</b> | <b>58.09%</b> |
| .. |      | 110.32        | 55.16%        |
| .. |      | 108.54        | 54.27%        |
| .. |      | 108.07        | 54.03%        |
| .. |      | <b>103.49</b> | <b>51.75%</b> |
| .. |      | 102.77        | 51.39%        |
| .. |      | 99.86         | 49.93%        |
| .. |      | 98.26         | 49.13%        |
| .. | *    | 96.14         | 48.07%        |
| .. | *    | 95.94         | 47.97%        |
| .. |      | 94.55         | 47.28%        |
| .. |      | 93.64         | 46.82%        |
| .. |      | 93.21         | 46.60%        |
| .. |      | 92.16         | 46.08%        |
| .. |      | 90.88         | 45.44%        |
| .. | **** | 90.48         | 45.24%        |
| .. |      | 85.35         | 42.67%        |
| .. |      | 83.67         | 41.88%        |
| .. |      | 81.68         | 40.84%        |
| .. |      | <b>79.58</b>  | <b>39.79%</b> |
| .. |      | 76.89         | 38.44%        |
| .. |      | 76.01         | 38.00%        |
| .. |      | 72.01         | 36.00%        |
| .. |      | 71.91         | 35.96%        |
| .. |      | 71.72         | 35.86%        |
| .. | ***  | 71.08         | 35.54%        |
| .. |      | 69.66         | 34.83%        |
| .. |      | 67.11         | 33.56%        |
| .. |      | 61.14         | 30.57%        |
| .. |      | 60.82         | 30.41%        |
| .. |      | <b>59.11</b>  | <b>29.56%</b> |
| .. |      | <b>58.20</b>  | <b>29.10%</b> |
| .. |      | 57.48         | 28.74%        |
| .. |      | 54.95         | 27.48%        |





|             |              |               |
|-------------|--------------|---------------|
| ..... *     | 29.17        | 14.58%        |
| ..... ***** | 29.02        | 14.51%        |
| ..... ***** | 28.68        | 14.34%        |
| ..... ***** | 28.47        | 14.23%        |
| ..... ***** | 28.10        | 14.05%        |
| .... ***    | 27.89        | 13.95%        |
| ..... ***** | 27.85        | 13.92%        |
| ... ** *    | 27.74        | 13.87%        |
| ..... ***** | 27.27        | 13.64%        |
| ..... ***** | 26.79        | 13.39%        |
| ..... * *   | 26.49        | 13.24%        |
| ..... ***** | 25.68        | 12.84%        |
| ..... ***** | 25.59        | 12.79%        |
| ..... ***** | 25.46        | 12.73%        |
| ..... *     | 25.39        | 12.69%        |
| ..... ***** | 25.14        | 12.57%        |
| ..... *     | 25.09        | 12.54%        |
| ..... ***** | 25.06        | 12.53%        |
| ..... *     | 25.00        | 12.50%        |
| ..... ***** | 24.97        | 12.48%        |
| ..... *     | 24.96        | 12.48%        |
| ..... *     | 24.74        | 12.37%        |
| ..... ***** | 24.70        | 12.35%        |
| ..... *     | 24.67        | 12.34%        |
| ..... **    | 24.37        | 12.18%        |
| ..... ***** | 24.19        | 12.09%        |
| ..... ***** | 24.16        | 12.08%        |
| ..... ***** | <b>24.11</b> | <b>12.05%</b> |
| ..... ***** | <b>23.88</b> | <b>11.94%</b> |
| ..... ***** | 23.69        | 11.85%        |
| ..... *     | 23.46        | 11.73%        |
| ..... *     | 23.33        | 11.67%        |
| ..... **    | 22.79        | 11.40%        |
| ..... ***** | 22.64        | 11.32%        |
| ..... ***** | 22.63        | 11.31%        |
| ..... *     | 22.13        | 11.07%        |
| ..... ***** | 22.00        | 11.00%        |
| ..... ***** | 21.66        | 10.83%        |

|                     |       |        |
|---------------------|-------|--------|
| ..... * * * * *     | 21.64 | 10.82% |
| ..... * * *         | 21.37 | 10.69% |
| ..... * * * * * * * | 21.35 | 10.67% |
| ..... * * * * * * * | 21.24 | 10.62% |
| ..... * * * * * * * | 21.10 | 10.55% |
| ..... * * * * * * * | 21.10 | 10.55% |
| ..... * * * * * * * | 20.91 | 10.46% |
| ..... * * * * * * * | 20.88 | 10.44% |
| ..... * * * * * * * | 20.69 | 10.35% |
| ..... * * * * * * * | 20.32 | 10.16% |
| ..... * * * * * * * | 20.30 | 10.15% |
| ..... * * * * * * * | 20.21 | 10.10% |
| ..... * * * * * * * | 19.89 | 9.94%  |
| ..... * * * * * * * | 19.88 | 9.94%  |
| ..... * * * * * * * | 19.44 | 9.72%  |
| ..... * * * * * * * | 19.30 | 9.65%  |
| ..... * * * * * * * | 19.20 | 9.60%  |
| ..... * * * * * * * | 19.10 | 9.55%  |
| ..... * * * * * * * | 18.99 | 9.49%  |
| ..... * * * * * * * | 18.77 | 9.39%  |
| ..... * * * * * * * | 18.70 | 9.35%  |
| ..... * * * * * * * | 18.52 | 9.26%  |
| ..... * * * * * * * | 18.32 | 9.16%  |
| ..... * * * * * * * | 18.19 | 9.10%  |
| ..... * * * * * * * | 18.18 | 9.09%  |
| ..... * * * * * * * | 18.06 | 9.03%  |
| ..... * * * * * * * | 17.76 | 8.88%  |
| ..... * * * * * * * | 17.38 | 8.69%  |
| ..... * * * * * * * | 16.97 | 8.48%  |
| ..... * * * * * * * | 16.68 | 8.34%  |
| ..... * * * * * * * | 16.50 | 8.25%  |
| ..... * * * * * * * | 16.47 | 8.24%  |
| ..... * * * * * * * | 16.39 | 8.20%  |
| ..... * * * * * * * | 16.22 | 8.11%  |
| ..... * * * * * * * | 16.03 | 8.02%  |
| ..... * * * * * * * | 16.01 | 8.01%  |
| ..... * * * * * * * | 15.92 | 7.96%  |
| ..... * * * * * * * | 15.87 | 7.93%  |

|                     |              |              |
|---------------------|--------------|--------------|
| ..... ***** * ..... | 15.84        | 7.92%        |
| ..... ** * .....    | 15.79        | 7.89%        |
| ..... *** .....     | 15.73        | 7.86%        |
| ..... * .....       | 15.73        | 7.86%        |
| ..... * .....       | 15.92        | 7.81%        |
| ..... * .....       | 15.34        | 7.67%        |
| ..... ***** * ..... | 15.27        | 7.64%        |
| ..... ***** .....   | 15.17        | 7.59%        |
| ..... ***** .....   | 14.59        | 7.29%        |
| ..... ***** .....   | 14.50        | 7.25%        |
| ..... ***** .....   | 14.49        | 7.25%        |
| ..... ***** .....   | 14.47        | 7.24%        |
| ..... ***** .....   | 14.41        | 7.21%        |
| ..... ***** .....   | 14.41        | 7.20%        |
| ..... ***** .....   | 14.21        | 7.10%        |
| ..... ***** .....   | 14.17        | 7.09%        |
| ..... ***** .....   | 14.06        | 7.03%        |
| ..... ***** .....   | 13.60        | 6.80%        |
| ..... ** ** .....   | 13.56        | 6.78%        |
| ..... * .....       | 13.46        | 6.73%        |
| ..... * .....       | 13.36        | 6.68%        |
| ..... ***** * ..... | 13.31        | 6.65%        |
| ..... * .....       | 13.17        | 6.58%        |
| ..... ***** .....   | 13.15        | 6.57%        |
| ..... ***** .....   | 13.11        | 6.55%        |
| ..... ***** .....   | 12.97        | 6.48%        |
| ..... * .....       | 12.96        | 6.48%        |
| ..... ***** * ..... | 12.88        | 6.44%        |
| ..... ***** .....   | 12.83        | 6.42%        |
| ..... * .....       | 12.73        | 6.37%        |
| ..... ***** .....   | 12.72        | 6.36%        |
| ..... ***** .....   | 12.65        | 6.32%        |
| ..... ***** .....   | <b>12.65</b> | <b>6.32%</b> |
| ..... ***** .....   | 12.26        | 6.13%        |
| ..... ** * .....    | 12.22        | 6.11%        |
| ..... ***** .....   | 12.12        | 6.06%        |
| ..... ***** .....   | 12.11        | 6.06%        |
| ..... * .....       | 12.10        | 6.05%        |

|              |       |       |
|--------------|-------|-------|
| .....***** * | 12.04 | 6.02% |
| .....**      | 11.89 | 5.94% |
| .....*       | 11.47 | 5.74% |
| ***          | 11.45 | 5.73% |
| .....**      | 11.40 | 5.70% |
| .....*       | 11.38 | 5.69% |
| .....*       | 11.32 | 5.66% |
| .....*       | 11.25 | 5.63% |
| .....*       | 11.24 | 5.62% |
| .....*       | 11.14 | 5.57% |
| .....*       | 11.09 | 5.55% |
| .....*       | 11.06 | 5.53% |
| .....*       | 11.04 | 5.52% |
| .....*       | 10.99 | 5.50% |
| .....*       | 10.49 | 5.25% |
| .....*       | 10.41 | 5.21% |
| .....*       | 10.40 | 5.20% |
| .....*       | 10.34 | 5.17% |
| .....*       | 10.30 | 5.15% |
| .....*       | 10.27 | 5.14% |
| .....*       | 10.20 | 5.10% |
| .....*       | 10.19 | 5.10% |
| .....**      | 10.04 | 5.02% |

2320 groups at (relative) frequency less than 5% not shown

**Supplementary Table 4.** Bipartition frequencies in the bootstrap of analysis e4 (modified published matrix of Pardo et al. 2017a, clinal characters ordered and Albanerpetidae added as OTU 77).

Bipartitions found in one or more trees and frequency of occurrence (bootstrap support values):

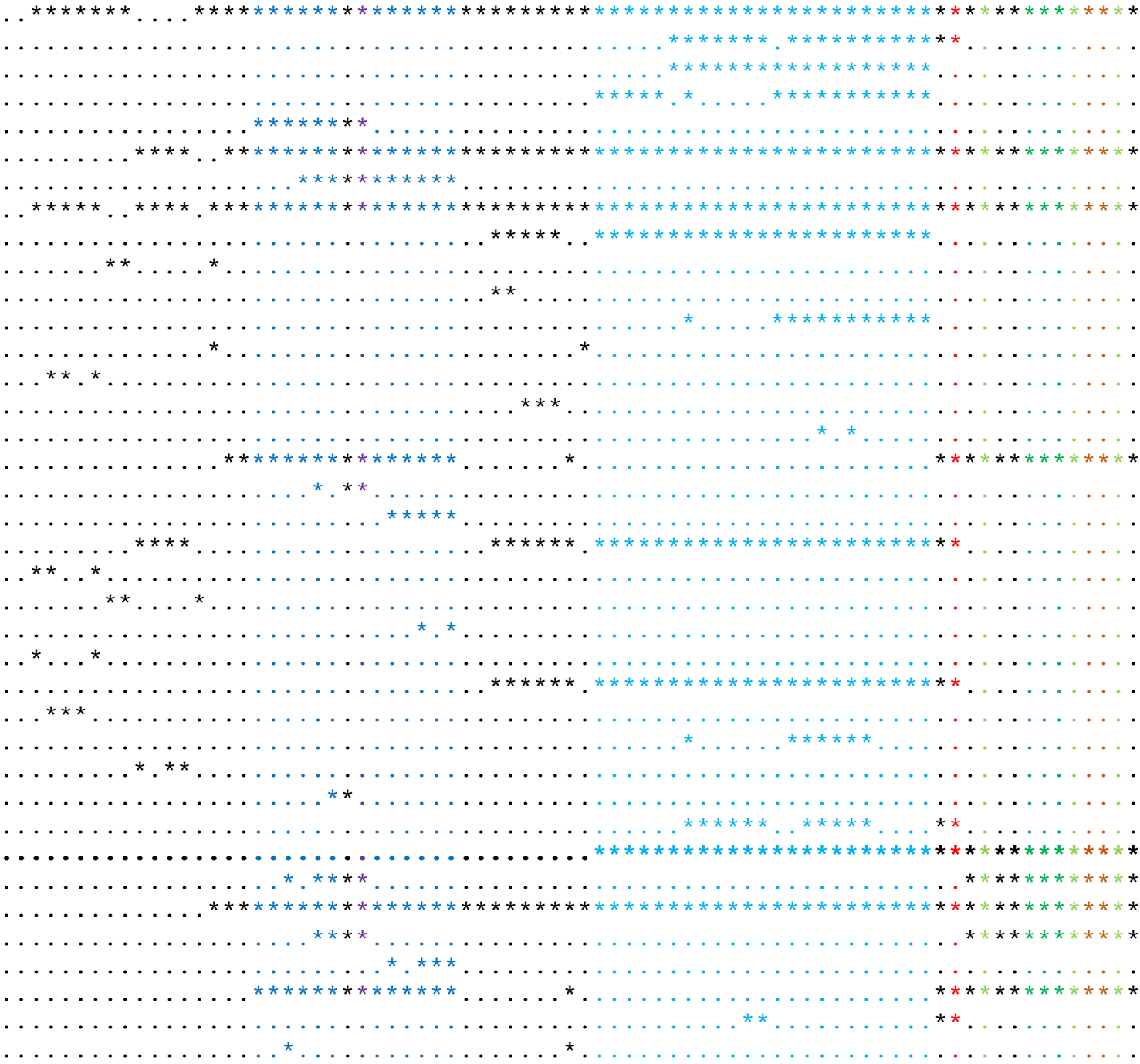
| 111111111122222222223333333334444444444555555555666666666777777777 | Freq   | %       |
|--|--------|---------|
| .....**  | 200.00 | 100.00% |
| .....**  | 200.00 | 100.00% |
| .....**  | 199.00 | 99.50%  |
| .....**  | 199.00 | 99.50%  |

|    |       |               |               |
|----|-------|---------------|---------------|
| .. | **    | 198.00        | 99.00%        |
| .. |       | 197.63        | 98.82%        |
| .. |       | 196.90        | 98.30%        |
| .. | ***** | 194.52        | 97.26%        |
| .. | ***** | 192.45        | 96.23%        |
| .. |       | 191.89        | 95.95%        |
| .. |       | 185.80        | 92.90%        |
| .. |       | 185.49        | 92.74%        |
| .. |       | 185.06        | 92.53%        |
| .. |       | 183.43        | 91.71%        |
| .. |       | 173.10        | 86.55%        |
| .. | **    | 172.58        | 86.29%        |
| .. |       | 163.86        | 81.93%        |
| .. | **    | 161.83        | 80.92%        |
| .. |       | 154.54        | 77.27%        |
| .. |       | <b>154.45</b> | <b>77.23%</b> |
| .. |       | 153.55        | 76.77%        |
| .. |       | 151.85        | 75.92%        |
| .. |       | <b>150.55</b> | <b>75.28%</b> |
| .. |       | 140.99        | 70.50%        |
| .. |       | 140.80        | 70.40%        |
| .. | ***   | 137.24        | 68.62%        |
| .. |       | <b>128.36</b> | <b>64.18%</b> |
| .. | **    | 127.87        | 63.93%        |
| .. | **    | 122.37        | 61.18%        |
| .. | **    | 120.69        | 60.34%        |
| .. |       | 119.83        | 59.91%        |
| .. |       | 116.56        | 58.28%        |
| .. |       | 114.27        | 57.14%        |
| .. |       | 112.98        | 56.49%        |
| .. |       | 109.91        | 54.95%        |
| .. | **    | 101.87        | 50.93%        |
| .. | **    | 98.49         | 49.25%        |
| .. |       | 97.02         | 48.51%        |
| .. | ***** | 95.31         | 47.65%        |
| .. |       | 86.55         | 43.28%        |
| .. |       | 85.34         | 42.67%        |
| .. |       | <b>85.13</b>  | <b>42.67%</b> |

|            |              |               |
|------------|--------------|---------------|
| .....*     | 84.46        | 42.23%        |
| .....**    | 79.97        | 39.99%        |
| .....***   | 79.96        | 39.98%        |
| .....****  | 79.15        | 39.58%        |
| .....***** | 78.22        | 39.11%        |
| .....***** | 76.85        | 38.43%        |
| .....***** | 76.43        | 38.22%        |
| .....***** | 75.16        | 37.58%        |
| .....***** | 71.46        | 35.73%        |
| .....***** | <b>70.51</b> | <b>35.26%</b> |
| .....***** | <b>68.91</b> | <b>34.45%</b> |
| .....***** | 68.68        | 34.34%        |
| .....***** | 68.50        | 34.25%        |
| .....***** | 63.49        | 31.74%        |
| .....***** | 63.04        | 31.52%        |
| .....***** | 62.23        | 31.12%        |
| .....***** | 61.83        | 30.91%        |
| .....***** | 60.13        | 30.06%        |
| .....***** | <b>59.38</b> | <b>29.69%</b> |
| .....***** | 57.64        | 28.82%        |
| .....***** | <b>57.15</b> | <b>28.58%</b> |
| .....***** | 56.52        | 28.26%        |
| .....***** | <b>54.12</b> | <b>27.06%</b> |
| .....***** | 54.05        | 27.02%        |
| .....***** | 52.50        | 26.25%        |
| .....***** | 51.64        | 25.82%        |
| .....***** | 50.52        | 25.26%        |
| .....***** | 49.52        | 24.76%        |
| .....***** | 48.84        | 24.42%        |
| .....***** | 48.80        | 24.40%        |
| .....***** | 48.27        | 24.14%        |
| .....***** | 47.84        | 23.92%        |
| .....***** | 47.07        | 23.53%        |
| .....***** | 45.67        | 22.83%        |
| .....***** | 45.45        | 22.72%        |
| .....***** | <b>44.68</b> | <b>22.34%</b> |
| .....***** | 43.72        | 21.86%        |
| .....***** | 43.41        | 21.70%        |

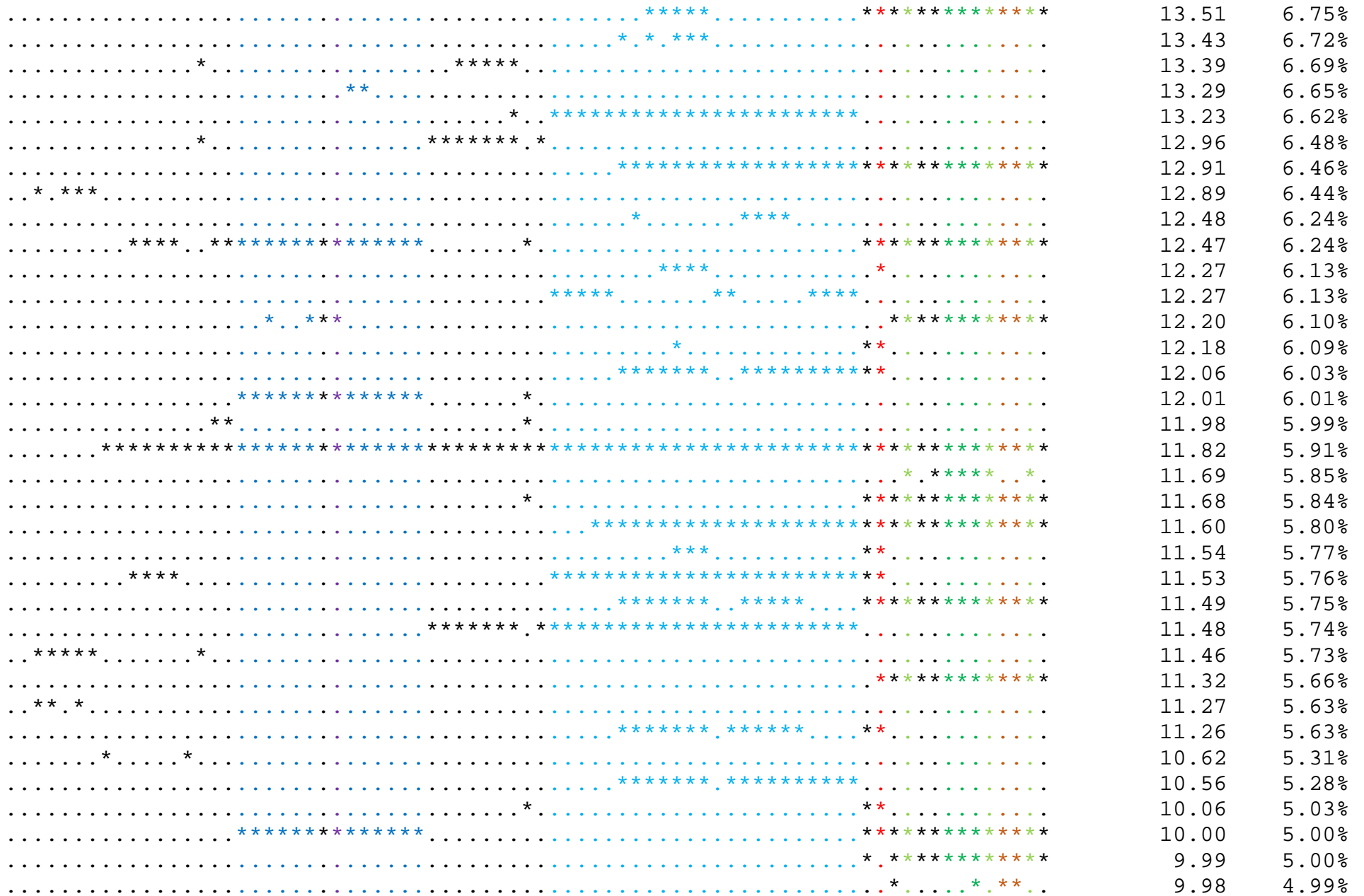
|                         |              |               |
|-------------------------|--------------|---------------|
| ..... * * * * *         | 42.88        | 21.44%        |
| ..... * * * * * * *     | 42.53        | 21.27%        |
| ..... * * * * * * *     | 42.40        | 21.20%        |
| ..... * * * * * * *     | 41.67        | 20.83%        |
| ..... * * * * * * *     | 40.53        | 20.26%        |
| * * ..... * * * * * * * | 40.44        | 20.22%        |
| ..... * * * * * * *     | <b>39.77</b> | <b>19.88%</b> |
| ..... * * * * *         | 38.89        | 19.44%        |
| ..... * * * * * * *     | 38.76        | 19.38%        |
| ..... * * * * * * *     | 37.10        | 18.55%        |
| ..... * * * * * * *     | 36.64        | 18.32%        |
| ..... * * * * * * *     | 35.34        | 17.67%        |
| ..... * * * * * * *     | 34.86        | 17.43%        |
| ..... * * * * * *       | 34.70        | 17.35%        |
| ..... * * * * * * *     | 34.20        | 17.10%        |
| ..... * * * * * * *     | 34.18        | 17.09%        |
| ..... * * * * * * *     | 34.00        | 17.00%        |
| ..... * * * *           | 33.43        | 16.71%        |
| ..... * * * * * *       | 32.94        | 16.47%        |
| ..... * * * * * *       | 32.84        | 16.42%        |
| ..... * * * * *         | 32.70        | 16.35%        |
| ..... * * * * *         | 32.40        | 16.20%        |
| * * * * * *             | 32.16        | 16.08%        |
| * * * * * *             | 32.13        | 16.06%        |
| * * * * * *             | 32.02        | 16.01%        |
| ..... * * * * * * *     | 32.00        | 16.00%        |
| ..... * * * *           | 31.76        | 15.88%        |
| ..... * * * *           | 31.39        | 15.70%        |
| ..... * * *             | 31.03        | 15.51%        |
| ..... * * *             | 30.64        | 15.32%        |
| ..... * * * *           | <b>30.17</b> | <b>15.08%</b> |
| ..... * * *             | 30.09        | 15.04%        |
| * * ..... * * *         | 29.84        | 14.92%        |
| ..... * * *             | 29.77        | 14.89%        |
| ..... * * *             | 29.76        | 14.88%        |
| ..... * * * * * * *     | 27.73        | 13.87%        |
| ..... * * * * * * *     | 27.73        | 13.86%        |
| ..... * * * * * *       | 27.21        | 13.60%        |





|              |               |
|--------------|---------------|
| 27.01        | 13.50%        |
| 26.87        | 13.44%        |
| 26.73        | 13.37%        |
| 26.32        | 13.16%        |
| 26.14        | 13.07%        |
| 25.76        | 12.88%        |
| 25.63        | 12.82%        |
| 25.45        | 12.73%        |
| 25.02        | 12.51%        |
| 24.81        | 12.41%        |
| 24.57        | 12.29%        |
| 24.12        | 12.06%        |
| 23.28        | 11.64%        |
| 23.11        | 11.55%        |
| 23.05        | 11.53%        |
| 22.59        | 11.30%        |
| 22.50        | 11.25%        |
| 22.42        | 11.21%        |
| 22.13        | 11.07%        |
| 21.65        | 10.82%        |
| 21.60        | 10.80%        |
| 21.37        | 10.68%        |
| 21.31        | 10.65%        |
| 21.02        | 10.51%        |
| 20.76        | 10.38%        |
| 20.71        | 10.36%        |
| 20.48        | 10.24%        |
| 20.42        | 10.21%        |
| 20.39        | 10.19%        |
| 20.25        | 10.13%        |
| <b>20.17</b> | <b>10.08%</b> |
| 19.89        | 9.94%         |
| 19.69        | 9.85%         |
| 19.34        | 9.67%         |
| 19.02        | 9.51%         |
| 18.17        | 9.09%         |
| 18.11        | 9.06%         |
| 18.05        | 9.02%         |

|              |       |       |
|--------------|-------|-------|
| .....*.....* | 17.87 | 8.93% |
| .....*       | 17.47 | 8.73% |
| .....*       | 16.88 | 8.44% |
| .....*       | 16.86 | 8.43% |
| .....*       | 16.56 | 8.28% |
| .....*       | 16.51 | 8.26% |
| .....*       | 16.49 | 8.25% |
| .....*       | 16.29 | 8.15% |
| .....*       | 16.08 | 8.04% |
| .....*       | 16.08 | 8.04% |
| .....*       | 16.05 | 8.03% |
| .....*       | 15.91 | 7.96% |
| .....*       | 15.90 | 7.95% |
| .....*       | 15.83 | 7.91% |
| .....*       | 15.82 | 7.91% |
| .....*       | 15.71 | 7.85% |
| .....*       | 15.67 | 7.83% |
| .....*       | 15.54 | 7.77% |
| .....*       | 15.47 | 7.73% |
| .....*       | 15.44 | 7.72% |
| .....*       | 15.25 | 7.62% |
| .....*       | 15.20 | 7.60% |
| .....*       | 15.15 | 7.58% |
| .....*       | 15.08 | 7.54% |
| .....*       | 14.99 | 7.50% |
| .....*       | 14.95 | 7.47% |
| .....*       | 14.90 | 7.45% |
| .....*       | 14.79 | 7.39% |
| .....*       | 14.69 | 7.34% |
| .....*       | 14.67 | 7.34% |
| .....*       | 14.59 | 7.29% |
| .....*       | 14.18 | 7.09% |
| .....*       | 14.09 | 7.04% |
| .....*       | 13.99 | 6.99% |
| .....*       | 13.96 | 6.98% |
| .....*       | 13.96 | 6.98% |
| .....*       | 13.91 | 6.95% |
| .....*       | 13.58 | 6.79% |



2094 groups at (relative) frequency less than 5% not shown