# 附录1 相对构造活动(Iat)的5个地貌指数值和分级

# Tab. s1 Values of 5 morphometric indices and classes of Iat (relative tectonic activity).

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 编号 | HI值 | AF值 | BS值 | SLK值 | VF值 | HI分级 | AF  分级 | BS  分级 | VF分级 | SLK  分级 | Iat值 | Iat分级 |
| 1 | 0.62 | 6.44 | 2.29 | 4.76 | 0.98 | 1 | 3 | 2 | 1 | 2 | 1.8 | 2 |
| 2 | 0.49 | 13.94 | 2.11 | 4.16 | 0.53 | 2 | 2 | 2 | 1 | 2 | 1.8 | 2 |
| 3 | 0.52 | 7.43 | 1.84 | 3.83 | 0.38 | 1 | 2 | 2 | 1 | 1 | 1.4 | 1 |
| 4 | 0.51 | 2.43 | 1.90 | 3.20 | 0.31 | 1 | 3 | 2 | 2 | 2 | 2.0 | 2 |
| 5 | 0.46 | 47.95 | 1.21 | 2.94 | 0.26 | 2 | 1 | 3 | 2 | 1 | 1.8 | 2 |
| 6 | 0.50 | 19.62 | 1.24 | 3.50 | 0.48 | 2 | 1 | 3 | 2 | 1 | 1.8 | 2 |
| 7 | 0.51 | 2.43 | 1.90 | 3.20 | 0.31 | 1 | 3 | 2 | 2 | 2 | 2.0 | 2 |
| 8 | 0.49 | 4.30 | 2.74 | 3.79 | 0.24 | 2 | 3 | 1 | 1 | 1 | 1.6 | 2 |
| 9 | 0.47 | 28.77 | 1.25 | 2.00 | 0.33 | 2 | 1 | 3 | 2 | 1 | 1.8 | 2 |
| 10 | 0.60 | 7.77 | 4.13 | 5.26 | 0.65 | 1 | 2 | 1 | 1 | 2 | 1.4 | 1 |
| 11 | 0.59 | 18.89 | 1.90 | 4.97 | 0.41 | 1 | 1 | 2 | 1 | 1 | 1.2 | 1 |
| 12 | 0.37 | 16.38 | 2.33 | 2.91 | 1.00 | 3 | 1 | 2 | 2 | 3 | 2.2 | 3 |
| 13 | 0.54 | 9.89 | 1.66 | 3.95 | 0.17 | 1 | 2 | 2 | 1 | 1 | 1.4 | 1 |
| 14 | 0.46 | 19.67 | 0.33 | 3.27 | 0.41 | 2 | 1 | 3 | 2 | 1 | 1.8 | 2 |
| 15 | 0.47 | 16.26 | 1.29 | 2.95 | 0.60 | 2 | 1 | 3 | 2 | 2 | 2.0 | 2 |
| 16 | 0.41 | 1.97 | 1.80 | 4.00 | 0.32 | 1 | 3 | 2 | 1 | 2 | 1.8 | 2 |
| 17 | 0.57 | 1.71 | 3.34 | 4.37 | 0.73 | 1 | 3 | 1 | 1 | 1 | 1.4 | 1 |
| 18 | 0.56 | 25.58 | 3.27 | 3.82 | 0.71 | 1 | 1 | 1 | 1 | 2 | 1.2 | 1 |
| 19 | 0.51 | 0.76 | 1.63 | 3.14 | 0.47 | 1 | 3 | 2 | 2 | 2 | 2.0 | 2 |
| 20 | 0.58 | 5.51 | 1.70 | 3.32 | 0.71 | 1 | 3 | 2 | 2 | 2 | 2.0 | 2 |
| 21 | 0.57 | 19.53 | 3.01 | 3.43 | 1.76 | 1 | 1 | 1 | 2 | 3 | 1.6 | 2 |
| 22 | 0.56 | 25.58 | 3.27 | 3.82 | 0.71 | 1 | 1 | 1 | 1 | 2 | 1.2 | 1 |
| 23 | 0.58 | 3.88 | 1.07 | 3.25 | 1.18 | 1 | 3 | 3 | 2 | 3 | 2.4 | 3 |
| 24 | 0.63 | 16.62 | 1.85 | 4.35 | 0.46 | 1 | 1 | 2 | 1 | 1 | 1.2 | 1 |
| 25 | 0.60 | 5.39 | 2.00 | 4.54 | 2.68 | 1 | 3 | 2 | 1 | 3 | 2.0 | 3 |
| 26 | 0.51 | 20.03 | 1.59 | 3.61 | 0.74 | 1 | 1 | 2 | 2 | 2 | 1.6 | 2 |
| 27 | 0.63 | 17.78 | 1.05 | 3.97 | 0.55 | 1 | 1 | 3 | 1 | 1 | 1.4 | 1 |
| 28 | 0.61 | 23.82 | 3.18 | 4.77 | 0.52 | 1 | 1 | 1 | 1 | 2 | 1.2 | 1 |
| 29 | 0.63 | 20.30 | 2.24 | 4.79 | 0.18 | 1 | 1 | 2 | 1 | 1 | 1.2 | 1 |
| 30 | 0.35 | 7.85 | 0.81 | 4.37 | 1.74 | 3 | 2 | 3 | 1 | 3 | 2.4 | 3 |
| 31 | 0.57 | 9.46 | 0.59 | 4.11 | 2.74 | 1 | 2 | 3 | 1 | 3 | 2.0 | 3 |
| 32 | 0.60 | 23.54 | 1.12 | 4.35 | 0.29 | 1 | 1 | 3 | 1 | 1 | 1.4 | 1 |
| 33 | 0.53 | 10.06 | 4.90 | 1.61 | 0.49 | 1 | 2 | 1 | 3 | 1 | 1.6 | 2 |
| 34 | 0.42 | 16.62 | 2.17 | 4.27 | 3.00 | 2 | 1 | 2 | 1 | 3 | 1.8 | 2 |
| 35 | 0.31 | 22.86 | 1.70 | 2.28 | 0.98 | 3 | 1 | 2 | 3 | 2 | 2.2 | 3 |
| 36 | 0.26 | 14.95 | 1.28 | 1.90 | 1.19 | 2 | 2 | 3 | 3 | 3 | 2.6 | 4 |
| 37 | 0.35 | 0.79 | 1.11 | 3.13 | 1.94 | 3 | 3 | 3 | 2 | 3 | 2.8 | 4 |
| 38 | 0.21 | 26.53 | 2.60 | 2.13 | 4.29 | 1 | 1 | 2 | 3 | 3 | 2.0 | 3 |
| 39 | 0.42 | 18.74 | 1.61 | 3.09 | 1.41 | 2 | 1 | 2 | 2 | 3 | 2.0 | 3 |
| 40 | 0.48 | 15.47 | 2.30 | 5.90 | 1.40 | 2 | 1 | 1 | 1 | 3 | 1.6 | 2 |
| 41 | 0.40 | 8.30 | 2.13 | 3.19 | 0.46 | 3 | 2 | 2 | 2 | 1 | 2.0 | 3 |
| 42 | 0.33 | 24.55 | 4.19 | 0.97 | 0.87 | 3 | 1 | 1 | 3 | 2 | 2.0 | 3 |
| 43 | 0.43 | 23.62 | 1.90 | 4.68 | 0.40 | 2 | 1 | 2 | 1 | 1 | 1.4 | 1 |
| 44 | 0.42 | 23.01 | 0.69 | 5.07 | 3.00 | 2 | 1 | 3 | 1 | 3 | 2.0 | 3 |
| 45 | 0.37 | 7.13 | 4.99 | 2.89 | 2.63 | 3 | 2 | 1 | 2 | 3 | 2.2 | 3 |
| 46 | 0.53 | 27.73 | 0.57 | 5.17 | 2.05 | 1 | 1 | 3 | 1 | 3 | 1.8 | 2 |
| 47 | 0.31 | 19.39 | 2.84 | 4.75 | 0.57 | 3 | 1 | 1 | 1 | 2 | 1.6 | 2 |
| 48 | 0.45 | 10.06 | 2.36 | 2.81 | 0.56 | 2 | 2 | 1 | 2 | 2 | 1.8 | 2 |
| 49 | 0.64 | 2.69 | 2.05 | 5.52 | 0.83 | 1 | 3 | 2 | 1 | 2 | 1.8 | 2 |
| 50 | 0.62 | 6.41 | 2.16 | 5.55 | 1.36 | 1 | 3 | 2 | 1 | 3 | 2.0 | 3 |
| 51 | 0.58 | 12.10 | 2.28 | 4.76 | 1.86 | 1 | 2 | 1 | 1 | 3 | 1.6 | 2 |
| 52 | 0.44 | 9.91 | 1.22 | 3.56 | 0.27 | 2 | 2 | 3 | 2 | 1 | 2.0 | 3 |
| 53 | 0.50 | 39.36 | 1.15 | 5.20 | 0.57 | 1 | 1 | 3 | 1 | 2 | 1.6 | 2 |
| 54 | 0.38 | 17.94 | 1.08 | 2.69 | 3.69 | 3 | 1 | 3 | 2 | 3 | 2.4 | 3 |
| 55 | 0.37 | 22.60 | 1.12 | 1.98 | 0.87 | 3 | 1 | 3 | 3 | 2 | 2.4 | 3 |
| 56 | 0.46 | 23.43 | 2.26 | 2.61 | 0.91 | 2 | 1 | 2 | 2 | 3 | 2.0 | 3 |
| 57 | 0.45 | 20.26 | 1.00 | 4.35 | 3.57 | 2 | 1 | 3 | 1 | 3 | 2.0 | 3 |
| 58 | 0.45 | 23.74 | 0.84 | 4.67 | 1.94 | 2 | 1 | 3 | 1 | 3 | 2.0 | 3 |
| 59 | 0.44 | 16.07 | 1.29 | 6.12 | 2.00 | 2 | 1 | 3 | 1 | 3 | 2.0 | 3 |
| 60 | 0.44 | 1.40 | 2.07 | 2.92 | 2.94 | 2 | 3 | 3 | 2 | 3 | 2.6 | 4 |
| 61 | 0.46 | 30.21 | 1.39 | 3.47 | 2.91 | 2 | 1 | 3 | 2 | 3 | 2.2 | 3 |
| 62 | 0.37 | 6.85 | 1.12 | 3.79 | 3.61 | 3 | 3 | 3 | 1 | 3 | 2.6 | 3 |
| 63 | 0.39 | 29.62 | 1.27 | 3.81 | 3.20 | 3 | 1 | 3 | 1 | 3 | 2.2 | 3 |
| 64 | 0.47 | 20.17 | 2.00 | 4.95 | 2.80 | 2 | 1 | 2 | 1 | 3 | 1.8 | 2 |
| 65 | 0.56 | 1.75 | 3.44 | 5.13 | 1.02 | 1 | 3 | 1 | 1 | 3 | 1.8 | 2 |
| 66 | 0.42 | 2.27 | 1.73 | 4.68 | 1.16 | 2 | 3 | 2 | 1 | 3 | 2.2 | 3 |
| 67 | 0.48 | 25.11 | 2.81 | 5.13 | 1.87 | 2 | 1 | 1 | 1 | 3 | 1.6 | 2 |
| 68 | 0.56 | 10.96 | 1.69 | 5.25 | 3.33 | 1 | 2 | 2 | 1 | 3 | 1.8 | 2 |
| 69 | 0.46 | 4.42 | 1.51 | 4.37 | 2.29 | 2 | 3 | 2 | 1 | 3 | 2.2 | 3 |
| 70 | 0.31 | 11.20 | 1.21 | 3.77 | 5.66 | 3 | 2 | 3 | 1 | 3 | 2.4 | 3 |
| 71 | 0.43 | 19.84 | 1.49 | 5.45 | 1.33 | 2 | 1 | 3 | 1 | 3 | 2.0 | 3 |
| 72 | 0.39 | 17.89 | 0.76 | 4.23 | 4.42 | 3 | 1 | 3 | 1 | 3 | 2.2 | 3 |
| 73 | 0.48 | 17.87 | 1.58 | 4.42 | 2.35 | 2 | 1 | 2 | 1 | 3 | 1.8 | 2 |
| 74 | 0.56 | 27.82 | 1.35 | 5.62 | 2.73 | 1 | 1 | 3 | 1 | 3 | 1.8 | 2 |
| 75 | 0.52 | 44.66 | 3.83 | 4.65 | 1.14 | 1 | 1 | 1 | 1 | 3 | 1.4 | 1 |
| 76 | 0.43 | 14.95 | 1.00 | 3.77 | 3.63 | 2 | 1 | 3 | 1 | 3 | 2.0 | 3 |
| 77 | 0.24 | 13.29 | 1.02 | 3.33 | 3.64 | 3 | 2 | 3 | 2 | 3 | 2.6 | 4 |
| 78 | 0.51 | 4.10 | 0.93 | 4.94 | 0.12 | 1 | 3 | 3 | 1 | 1 | 1.8 | 2 |
| 79 | 0.53 | 21.38 | 2.49 | 6.81 | 0.83 | 1 | 1 | 1 | 2 | 1 | 1.2 | 1 |
| 80 | 0.54 | 0.57 | 2.67 | 4.64 | 0.74 | 1 | 3 | 1 | 2 | 1 | 1.6 | 2 |
| 81 | 0.52 | 7.59 | 1.57 | 3.89 | 0.83 | 1 | 2 | 2 | 2 | 1 | 1.6 | 2 |
| 82 | 0.46 | 13.01 | 1.78 | 3.83 | 1.27 | 2 | 2 | 2 | 3 | 1 | 2 | 3 |
| 83 | 0.56 | 10.66 | 1.19 | 4.71 | 0.16 | 1 | 2 | 3 | 1 | 1 | 1.6 | 2 |
| 84 | 0.56 | 10.39 | 1.15 | 3.48 | 0.27 | 1 | 2 | 3 | 1 | 2 | 1.8 | 2 |
| 85 | 0.46 | 3.42 | 2.13 | 4.32 | 0.94 | 2 | 3 | 2 | 2 | 1 | 2 | 3 |
| 86 | 0.54 | 13.83 | 1.09 | 2.92 | 0.52 | 1 | 2 | 3 | 2 | 2 | 2 | 3 |
| 87 | 0.45 | 11.80 | 1.16 | 3.12 | 0.37 | 2 | 2 | 3 | 1 | 2 | 2 | 3 |
| 88 | 0.55 | 0.00 | 2.02 | 3.89 | 0.29 | 1 | 3 | 2 | 1 | 1 | 1.6 | 2 |
| 89 | 0.50 | 28.84 | 1.21 | 3.12 | 0.18 | 1 | 1 | 3 | 1 | 2 | 1.6 | 2 |
| 90 | 0.45 | 5.81 | 2.82 | 3.65 | 1.75 | 2 | 3 | 1 | 3 | 2 | 2.2 | 3 |
| 91 | 0.62 | 12.96 | 1.02 | 4.29 | 0.39 | 1 | 2 | 3 | 1 | 1 | 1.6 | 2 |
| 92 | 0.50 | 8.64 | 1.49 | 3.56 | 0.09 | 1 | 2 | 3 | 1 | 2 | 1.8 | 2 |
| 93 | 0.44 | 17.02 | 0.93 | 4.99 | 0.42 | 2 | 1 | 3 | 1 | 1 | 1.6 | 2 |
| 94 | 0.45 | 18.05 | 1.22 | 3.03 | 2.70 | 2 | 1 | 3 | 3 | 2 | 2.2 | 3 |
| 95 | 0.59 | 1.63 | 1.70 | 2.61 | 0.11 | 1 | 3 | 2 | 1 | 2 | 1.8 | 2 |
| 96 | 0.50 | 21.74 | 1.21 | 3.70 | 0.21 | 2 | 1 | 3 | 1 | 1 | 1.6 | 2 |
| 97 | 0.54 | 19.60 | 1.45 | 3.03 | 0.43 | 1 | 1 | 3 | 1 | 2 | 1.6 | 2 |
| 98 | 0.40 | 13.52 | 1.28 | 2.69 | 6.12 | 3 | 2 | 3 | 3 | 2 | 2.6 | 4 |
| 99 | 0.45 | 1.01 | 2.17 | 3.74 | 0.35 | 2 | 3 | 2 | 1 | 1 | 1.8 | 2 |
| 100 | 0.47 | 9.96 | 2.55 | 3.72 | 0.18 | 2 | 2 | 1 | 1 | 1 | 1.4 | 1 |
| 101 | 0.57 | 15.08 | 1.19 | 5.92 | 2.56 | 1 | 1 | 3 | 3 | 1 | 1.8 | 2 |
| 102 | 0.57 | 11.57 | 1.19 | 5.37 | 0.28 | 1 | 2 | 3 | 1 | 1 | 1.6 | 2 |
| 103 | 0.55 | 7.97 | 1.17 | 4.50 | 0.23 | 2 | 2 | 2 | 1 | 1 | 1.6 | 1 |
| 104 | 0.56 | 1.74 | 1.33 | 5.55 | 1.47 | 1 | 3 | 3 | 3 | 1 | 2.2 | 2 |
| 105 | 0.47 | 21.51 | 1.43 | 5.36 | 0.31 | 2 | 1 | 3 | 1 | 1 | 1.6 | 2 |
| 106 | 0.35 | 5.91 | 0.93 | 6.67 | 0.18 | 3 | 3 | 3 | 1 | 1 | 2.2 | 3 |
| 107 | 0.40 | 2.03 | 2.08 | 4.57 | 0.31 | 2 | 3 | 2 | 1 | 1 | 1.8 | 2 |
| 108 | 0.44 | 10.96 | 1.26 | 2.30 | 1.03 | 2 | 2 | 3 | 3 | 3 | 2.6 | 4 |
| 109 | 0.34 | 12.49 | 2.22 | 1.09 | 4.80 | 3 | 2 | 2 | 3 | 3 | 2.6 | 3 |
| 110 | 0.43 | 7.57 | 0.81 | 6.37 | 1.29 | 2 | 2 | 3 | 3 | 1 | 2.2 | 3 |
| 111 | 0.45 | 5.68 | 0.95 | 3.41 | 0.55 | 2 | 3 | 3 | 2 | 2 | 2.4 | 3 |
| 112 | 0.50 | 10.90 | 2.17 | 6.75 | 0.29 | 1 | 2 | 2 | 1 | 1 | 1.4 | 1 |
| 113 | 0.38 | 10.01 | 1.08 | 2.74 | 6.17 | 3 | 2 | 3 | 3 | 2 | 2.6 | 3 |
| 114 | 0.22 | 7.16 | 0.86 | 0.24 | 5.88 | 3 | 2 | 3 | 3 | 3 | 2.8 | 4 |
| 115 | 0.19 | 24.27 | 1.77 | 0.07 | 5.43 | 2 | 1 | 2 | 3 | 3 | 2.2 | 3 |
| 116 | 0.38 | 17.91 | 3.21 | 3.20 | 19.67 | 3 | 1 | 1 | 3 | 2 | 2 | 3 |
| 117 | 0.50 | 14.88 | 1.71 | 2.92 | 0.85 | 1 | 2 | 2 | 2 | 2 | 1.8 | 2 |
| 118 | 0.52 | 3.10 | 1.11 | 3.54 | 0.59 | 1 | 3 | 3 | 2 | 2 | 2.2 | 3 |
| 119 | 0.35 | 18.17 | 1.42 | 0.85 | 2.17 | 3 | 1 | 3 | 3 | 3 | 2.6 | 4 |
| 120 | 0.37 | 8.76 | 1.38 | 3.28 | 0.88 | 3 | 2 | 3 | 2 | 2 | 2.4 | 3 |
| 121 | 0.43 | 18.13 | 1.77 | 2.56 | 0.68 | 2 | 1 | 2 | 2 | 2 | 1.8 | 2 |
| 122 | 0.38 | 21.33 | 0.61 | 1.80 | 9.26 | 3 | 1 | 3 | 3 | 3 | 2.6 | 4 |
| 123 | 0.42 | 19.23 | 1.55 | 0.96 | 2.07 | 2 | 1 | 2 | 3 | 3 | 2.2 | 3 |
| 124 | 0.44 | 13.96 | 0.70 | 4.53 | 0.38 | 2 | 2 | 3 | 1 | 1 | 1.8 | 2 |
| 125 | 0.40 | 6.59 | 1.23 | 2.82 | 0.37 | 2 | 3 | 3 | 1 | 2 | 2.2 | 3 |
| 126 | 0.47 | 2.66 | 2.35 | 4.63 | 0.88 | 2 | 3 | 1 | 2 | 1 | 1.8 | 2 |
| 127 | 0.47 | 1.88 | 2.10 | 3.12 | 0.23 | 2 | 3 | 2 | 1 | 2 | 2 | 3 |
| 128 | 0.44 | 2.85 | 0.87 | 4.38 | 0.63 | 2 | 3 | 3 | 2 | 1 | 2.2 | 3 |
| 129 | 0.42 | 4.59 | 1.33 | 2.97 | 6.75 | 2 | 3 | 3 | 3 | 2 | 2.6 | 4 |
| 130 | 0.23 | 6.53 | 1.24 | 1.84 | 5.29 | 3 | 3 | 3 | 3 | 3 | 3 | 4 |
| 131 | 0.39 | 4.59 | 2.07 | 3.16 | 6.87 | 3 | 3 | 2 | 3 | 1 | 2.4 | 3 |
| 132 | 0.33 | 22.20 | 0.77 | 3.42 | 1.73 | 3 | 1 | 3 | 3 | 2 | 2.4 | 4 |
| 133 | 0.33 | 0.02 | 1.19 | 2.98 | 5.56 | 3 | 3 | 3 | 3 | 2 | 2.8 | 4 |
| 134 | 0.58 | 15.90 | 1.05 | 5.96 | 0.35 | 1 | 1 | 3 | 1 | 1 | 1.4 | 1 |
| 135 | 0.43 | 10.87 | 1.38 | 4.14 | 0.73 | 2 | 2 | 3 | 1 | 1 | 1.8 | 2 |
| 136 | 0.41 | 9.81 | 2.03 | 2.72 | 1.00 | 2 | 2 | 2 | 3 | 1 | 2 | 3 |
| 137 | 0.25 | 11.92 | 0.70 | 1.81 | 8.57 | 3 | 2 | 3 | 3 | 3 | 2.8 | 4 |
| 138 | 0.40 | 11.55 | 1.07 | 3.18 | 5.96 | 3 | 2 | 3 | 3 | 2 | 2.6 | 4 |
| 139 | 0.62 | 8.60 | 1.25 | 4.98 | 0.40 | 1 | 2 | 3 | 1 | 1 | 1.6 | 2 |
| 140 | 0.55 | 24.83 | 0.60 | 4.89 | 1.97 | 1 | 1 | 3 | 3 | 1 | 1.8 | 2 |
| 141 | 0.51 | 8.61 | 1.74 | 5.26 | 1.70 | 1 | 2 | 2 | 3 | 1 | 1.8 | 2 |
| 142 | 0.69 | 8.57 | 1.71 | 5.85 | 0.90 | 1 | 2 | 2 | 2 | 1 | 1.6 | 2 |
| 143 | 0.57 | 7.28 | 1.57 | 3.88 | 1.29 | 1 | 2 | 3 | 3 | 1 | 2 | 3 |
| 144 | 0.53 | 11.85 | 1.44 | 4.05 | 1.40 | 1 | 2 | 3 | 3 | 1 | 2 | 3 |
| 145 | 0.52 | 29.86 | 0.87 | 4.88 | 1.04 | 1 | 1 | 3 | 3 | 1 | 1.8 | 2 |
| 146 | 0.62 | 2.23 | 1.53 | 6.34 | 0.48 | 1 | 3 | 2 | 1 | 1 | 1.6 | 2 |
| 147 | 0.66 | 30.23 | 1.40 | 5.83 | 0.42 | 1 | 1 | 3 | 1 | 1 | 1.4 | 1 |
| 148 | 0.54 | 21.75 | 2.38 | 5.41 | 0.27 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 149 | 0.38 | 23.68 | 2.97 | 3.59 | 1.30 | 3 | 1 | 1 | 3 | 2 | 2 | 3 |
| 150 | 0.63 | 1.07 | 1.39 | 0.36 | 1.03 | 1 | 3 | 3 | 3 | 3 | 2.6 | 4 |
| 151 | 0.55 | 13.88 | 2.10 | 5.00 | 1.63 | 1 | 2 | 2 | 1 | 3 | 1.8 | 2 |
| 152 | 0.64 | 8.62 | 2.34 | 62.58 | 0.49 | 1 | 2 | 1 | 1 | 1 | 1.2 | 1 |
| 153 | 0.60 | 3.17 | 2.53 | 42.02 | 0.24 | 1 | 3 | 1 | 1 | 1 | 1.4 | 1 |
| 154 | 0.58 | 21.82 | 2.54 | 45.40 | 0.65 | 1 | 1 | 1 | 1 | 2 | 1.2 | 1 |
| 155 | 0.51 | 11.19 | 1.87 | 6.33 | 1.12 | 1 | 2 | 2 | 1 | 3 | 1.8 | 2 |
| 156 | 0.36 | 14.92 | 1.60 | 1.43 | 1.54 | 3 | 2 | 2 | 3 | 3 | 2.6 | 4 |
| 157 | 0.35 | 8.44 | 1.45 | 3.71 | 2.96 | 3 | 2 | 3 | 1 | 3 | 2.4 | 3 |
| 158 | 0.39 | 10.19 | 1.76 | 2.58 | 2.76 | 3 | 2 | 2 | 2 | 3 | 2.4 | 3 |
| 159 | 0.42 | 3.31 | 2.15 | 4.00 | 1.79 | 2 | 3 | 2 | 1 | 3 | 2.2 | 3 |
| 160 | 0.38 | 2.28 | 2.34 | 4.03 | 2.32 | 3 | 3 | 1 | 1 | 3 | 2.2 | 3 |
| 161 | 0.67 | 3.63 | 2.06 | 8.29 | 4.45 | 1 | 3 | 2 | 1 | 3 | 2 | 3 |
| 162 | 0.51 | 18.45 | 1.85 | 5.61 | 1.18 | 1 | 1 | 2 | 1 | 3 | 1.6 | 2 |
| 163 | 0.62 | 2.13 | 1.07 | 5.67 | 0.99 | 1 | 3 | 3 | 1 | 2 | 2 | 3 |
| 164 | 0.62 | 8.01 | 1.24 | 5.77 | 1.17 | 1 | 2 | 3 | 1 | 3 | 2 | 3 |
| 165 | 0.45 | 11.93 | 3.07 | 2.77 | 1.50 | 2 | 2 | 1 | 2 | 2 | 1.8 | 2 |
| 166 | 0.51 | 10.89 | 4.33 | 16.91 | 4.00 | 1 | 2 | 1 | 1 | 3 | 1.6 | 1 |
| 167 | 0.55 | 24.58 | 1.89 | 4.19 | 6.00 | 1 | 1 | 2 | 3 | 1 | 1.6 | 2 |
| 168 | 0.54 | 17.77 | 1.58 | 4.45 | 0.71 | 1 | 1 | 2 | 1 | 2 | 1.4 | 1 |
| 169 | 0.52 | 8.72 | 1.85 | 3.97 | 7.14 | 1 | 2 | 2 | 1 | 3 | 1.8 | 2 |
| 170 | 0.52 | 15.14 | 1.16 | 3.77 | 1.24 | 1 | 1 | 3 | 3 | 1 | 1.8 | 2 |
| 171 | 0.59 | 8.92 | 1.59 | 7.90 | 2.18 | 1 | 2 | 2 | 1 | 3 | 1.8 | 2 |
| 172 | 0.49 | 24.81 | 0.69 | 3.34 | 1.38 | 2 | 1 | 3 | 2 | 3 | 2.2 | 3 |
| 173 | 0.48 | 12.37 | 0.84 | 4.19 | 1.57 | 2 | 2 | 3 | 3 | 1 | 2.2 | 3 |
| 174 | 0.44 | 19.09 | 1.19 | 2.45 | 1.40 | 2 | 1 | 3 | 3 | 1 | 2.4 | 3 |
| 175 | 0.50 | 7.41 | 0.73 | 3.42 | 0.70 | 1 | 2 | 3 | 2 | 2 | 2 | 3 |
| 176 | 0.27 | 11.04 | 1.24 | 3.38 | 2.77 | 3 | 2 | 3 | 3 | 2 | 2.6 | 4 |
| 177 | 0.39 | 11.53 | 2.93 | 2.72 | 0.91 | 3 | 2 | 1 | 2 | 2 | 2 | 3 |
| 178 | 0.35 | 19.51 | 1.19 | 3.57 | 0.71 | 3 | 1 | 3 | 2 | 2 | 2.2 | 3 |
| 179 | 0.44 | 23.79 | 1.48 | 3.92 | 3.00 | 2 | 1 | 3 | 3 | 1 | 2 | 3 |
| 180 | 0.54 | 2.75 | 2.34 | 6.13 | 0.47 | 1 | 3 | 1 | 1 | 1 | 1.4 | 1 |
| 181 | 0.53 | 12.74 | 0.75 | 2.77 | 0.38 | 1 | 2 | 3 | 1 | 2 | 1.8 | 2 |
| 182 | 0.33 | 15.62 | 0.61 | 2.36 | 3.57 | 3 | 1 | 3 | 3 | 3 | 2.6 | 4 |
| 183 | 0.41 | 28.39 | 1.43 | 3.13 | 0.97 | 2 | 1 | 3 | 2 | 2 | 2 | 3 |
| 184 | 0.34 | 5.61 | 2.91 | 2.57 | 1.48 | 3 | 3 | 1 | 3 | 2 | 2.4 | 3 |
| 185 | 0.34 | 15.07 | 2.47 | 3.40 | 2.22 | 3 | 1 | 1 | 3 | 2 | 2 | 3 |
| 186 | 0.21 | 10.17 | 0.86 | 1.18 | 4.76 | 3 | 2 | 3 | 3 | 3 | 2.8 | 4 |
| 187 | 0.44 | 12.64 | 1.64 | 2.57 | 0.78 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| 188 | 0.58 | 16.99 | 1.68 | 5.32 | 1.33 | 1 | 1 | 2 | 3 | 1 | 1.6 | 2 |
| 189 | 0.32 | 3.12 | 1.82 | 2.91 | 8.33 | 3 | 3 | 2 | 3 | 2 | 2.6 | 4 |
| 190 | 0.59 | 11.57 | 1.32 | 5.29 | 0.38 | 1 | 2 | 3 | 1 | 1 | 1.6 | 2 |
| 191 | 0.47 | 19.77 | 2.34 | 3.94 | 0.61 | 2 | 1 | 1 | 2 | 1 | 1.4 | 1 |
| 192 | 0.32 | 6.44 | 0.69 | 3.58 | 3.91 | 3 | 3 | 3 | 3 | 2 | 2.8 | 3 |
| 193 | 0.31 | 28.76 | 2.13 | 2.06 | 4.97 | 3 | 1 | 2 | 3 | 3 | 2.4 | 3 |
| 194 | 0.34 | 11.60 | 1.62 | 2.27 | 2.41 | 3 | 2 | 2 | 3 | 3 | 2.6 | 4 |
| 195 | 0.39 | 17.96 | 1.54 | 2.54 | 0.24 | 3 | 1 | 2 | 1 | 2 | 1.8 | 2 |
| 196 | 0.53 | 0.11 | 1.14 | 4.82 | 0.17 | 1 | 3 | 3 | 1 | 1 | 1.8 | 1 |
| 197 | 0.53 | 12.26 | 1.44 | 4.11 | 0.15 | 1 | 2 | 3 | 1 | 1 | 1.6 | 2 |
| 198 | 0.30 | 23.94 | 1.82 | 2.54 | 9.23 | 2 | 3 | 2 | 1 | 2 | 2.2 | 3 |
| 199 | 0.54 | 13.75 | 1.61 | 3.97 | 1.02 | 1 | 1 | 2 | 3 | 1 | 1.6 | 2 |
| 200 | 0.55 | 11.55 | 0.95 | 3.58 | 0.14 | 1 | 2 | 3 | 1 | 1 | 1.6 | 2 |
| 201 | 0.48 | 1.02 | 1.82 | 3.85 | 0.12 | 2 | 3 | 2 | 1 | 1 | 1.8 | 2 |
| 202 | 0.58 | 1.40 | 2.74 | 3.95 | 0.16 | 1 | 3 | 1 | 1 | 1 | 1.4 | 1 |
| 203 | 0.49 | 10.81 | 1.12 | 3.44 | 0.22 | 2 | 2 | 3 | 1 | 2 | 2 | 3 |
| 204 | 0.51 | 1.94 | 1.58 | 3.55 | 0.11 | 1 | 3 | 2 | 1 | 2 | 1.8 | 2 |
| 205 | 0.45 | 0.05 | 0.91 | 2.99 | 0.42 | 2 | 3 | 3 | 1 | 2 | 2.2 | 3 |
| 206 | 0.42 | 17.85 | 1.58 | 2.84 | 0.35 | 2 | 1 | 2 | 1 | 2 | 1.6 | 2 |
| 207 | 0.44 | 13.20 | 1.31 | 2.86 | 0.21 | 2 | 2 | 3 | 1 | 2 | 2 | 3 |
| 208 | 0.35 | 13.87 | 2.15 | 2.09 | 0.37 | 3 | 2 | 2 | 1 | 3 | 2.2 | 3 |
| 209 | 0.40 | 4.63 | 1.09 | 2.86 | 0.43 | 3 | 3 | 3 | 1 | 2 | 2.4 | 3 |
| 210 | 0.26 | 3.68 | 0.67 | 1.70 | 8.79 | 3 | 3 | 3 | 3 | 3 | 3 | 4 |
| 211 | 0.26 | 28.64 | 1.26 | 1.70 | 5.28 | 3 | 1 | 3 | 3 | 3 | 2.6 | 4 |
| 212 | 0.47 | 11.79 | 0.54 | 4.52 | 0.05 | 2 | 2 | 3 | 1 | 1 | 1.8 | 2 |
| 213 | 0.47 | 38.74 | 1.26 | 4.07 | 0.13 | 2 | 1 | 3 | 1 | 1 | 1.6 | 2 |
| 214 | 0.42 | 26.12 | 1.30 | 3.42 | 0.79 | 2 | 1 | 3 | 2 | 2 | 2 | 3 |
| 215 | 0.34 | 0.12 | 1.20 | 3.23 | 3.81 | 1 | 3 | 3 | 3 | 2 | 2.4 | 3 |
| 216 | 0.45 | 23.38 | 1.05 | 3.43 | 0.45 | 2 | 1 | 3 | 1 | 2 | 1.8 | 2 |
| 217 | 0.47 | 3.40 | 2.31 | 2.46 | 0.80 | 2 | 3 | 1 | 1 | 3 | 2 | 3 |
| 218 | 0.48 | 28.44 | 1.00 | 3.77 | 0.39 | 2 | 1 | 3 | 1 | 1 | 1.6 | 2 |
| 219 | 0.45 | 8.23 | 1.55 | 3.75 | 0.68 | 2 | 2 | 2 | 2 | 1 | 1.8 | 2 |
| 220 | 0.40 | 2.53 | 1.18 | 3.01 | 7.00 | 2 | 3 | 3 | 3 | 2 | 2.6 | 4 |
| 221 | 0.43 | 33.04 | 1.57 | 3.86 | 0.45 | 2 | 1 | 2 | 1 | 1 | 1.4 | 1 |
| 222 | 0.31 | 16.16 | 1.74 | 3.08 | 1.53 | 2 | 1 | 2 | 3 | 2 | 2 | 3 |
| 223 | 0.44 | 4.49 | 1.47 | 3.33 | 1.02 | 2 | 3 | 3 | 3 | 2 | 2.6 | 4 |
| 224 | 0.45 | 8.97 | 1.55 | 3.31 | 0.35 | 2 | 2 | 2 | 1 | 2 | 1.8 | 2 |
| 225 | 0.55 | 5.68 | 2.20 | 5.09 | 0.61 | 1 | 3 | 2 | 2 | 1 | 1.8 | 2 |
| 226 | 0.58 | 15.36 | 1.84 | 1.65 | 0.10 | 1 | 1 | 2 | 1 | 3 | 1.6 | 2 |
| 227 | 0.48 | 16.98 | 1.47 | 3.86 | 0.13 | 2 | 2 | 3 | 1 | 1 | 1.8 | 2 |
| 228 | 0.38 | 28.00 | 1.41 | 3.45 | 0.16 | 3 | 1 | 3 | 1 | 2 | 2 | 3 |
| 229 | 0.41 | 1.83 | 1.22 | 2.68 | 0.89 | 2 | 1 | 3 | 2 | 2 | 2 | 3 |
| 230 | 0.46 | 24.63 | 1.60 | 4.73 | 1.16 | 2 | 1 | 2 | 3 | 1 | 1.8 | 2 |
| 231 | 0.53 | 17.96 | 2.38 | 4.31 | 1.24 | 1 | 1 | 1 | 3 | 1 | 1.4 | 1 |
| 232 | 0.55 | 3.54 | 1.62 | 4.00 | 0.29 | 1 | 3 | 2 | 1 | 1 | 1.6 | 2 |
| 233 | 0.50 | 0.54 | 1.77 | 3.90 | 0.42 | 2 | 3 | 2 | 1 | 1 | 1.8 | 2 |
| 234 | 0.55 | 5.61 | 2.06 | 3.83 | 0.20 | 1 | 3 | 2 | 1 | 1 | 1.6 | 2 |
| 235 | 0.33 | 7.05 | 0.85 | 2.46 | 4.44 | 3 | 2 | 3 | 3 | 3 | 2.8 | 4 |
| 236 | 0.31 | 14.98 | 1.35 | 2.41 | 0.23 | 3 | 2 | 3 | 1 | 3 | 2.4 | 3 |
| 237 | 0.39 | 4.93 | 2.97 | 3.44 | 7.50 | 3 | 3 | 1 | 3 | 2 | 2.4 | 3 |
| 238 | 0.28 | 41.31 | 1.25 | 2.56 | 2.59 | 2 | 3 | 3 | 2 | 3 | 2.4 | 4 |
| 239 | 0.67 | 11.36 | 1.26 | 3.80 | 0.31 | 1 | 2 | 3 | 1 | 1 | 1.6 | 2 |
| 240 | 0.53 | 5.59 | 1.60 | 3.85 | 0.25 | 1 | 3 | 2 | 1 | 1 | 1.6 | 2 |
| 241 | 0.53 | 12.81 | 1.79 | 4.17 | 0.24 | 1 | 2 | 2 | 1 | 1 | 1.4 | 1 |
| 242 | 0.53 | 0.72 | 1.29 | 3.55 | 0.24 | 1 | 3 | 3 | 1 | 2 | 2 | 3 |
| 243 | 0.61 | 2.24 | 1.88 | 4.12 | 0.29 | 1 | 3 | 2 | 1 | 1 | 1.6 | 2 |
| 244 | 0.45 | 27.04 | 1.85 | 3.20 | 0.60 | 2 | 1 | 2 | 2 | 2 | 1.8 | 2 |
| 245 | 0.46 | 7.54 | 1.61 | 2.96 | 0.59 | 2 | 2 | 2 | 2 | 2 | 2 | 3 |
| 246 | 0.67 | 18.60 | 1.45 | 4.00 | 0.45 | 1 | 1 | 3 | 1 | 1 | 1.4 | 1 |
| 247 | 0.53 | 14.36 | 1.44 | 3.75 | 0.20 | 1 | 2 | 3 | 1 | 1 | 1.6 | 2 |
| 248 | 0.45 | 23.72 | 0.75 | 4.10 | 0.43 | 2 | 1 | 3 | 1 | 1 | 1.6 | 2 |
| 249 | 0.65 | 14.66 | 1.96 | 4.59 | 0.26 | 1 | 1 | 2 | 1 | 1 | 1.2 | 1 |
| 250 | 0.41 | 10.24 | 1.05 | 4.04 | 2.70 | 2 | 2 | 3 | 3 | 1 | 2.2 | 3 |
| 251 | 0.44 | 3.19 | 1.17 | 2.58 | 0.49 | 2 | 3 | 3 | 1 | 2 | 2.2 | 3 |
| 252 | 0.48 | 7.98 | 1.73 | 3.81 | 0.08 | 2 | 2 | 2 | 1 | 1 | 1.6 | 2 |
| 253 | 0.56 | 14.41 | 1.45 | 4.09 | 0.20 | 1 | 2 | 3 | 1 | 1 | 1.6 | 2 |
| 254 | 0.40 | 0.97 | 1.66 | 3.23 | 0.39 | 2 | 3 | 2 | 1 | 2 | 2 | 3 |
| 255 | 0.32 | 4.44 | 2.82 | 2.37 | 0.08 | 3 | 3 | 1 | 1 | 2 | 2 | 3 |
| 256 | 0.23 | 5.49 | 4.23 | 0.97 | 14.93 | 3 | 3 | 1 | 3 | 3 | 2.6 | 4 |
| 257 | 0.34 | 26.05 | 0.74 | 2.21 | 0.31 | 3 | 1 | 3 | 1 | 3 | 2.2 | 3 |
| 258 | 0.32 | 15.80 | 1.33 | 2.18 | 2.28 | 3 | 1 | 3 | 3 | 3 | 2.6 | 4 |
| 259 | 0.54 | 8.69 | 1.53 | 3.95 | 0.08 | 1 | 2 | 2 | 1 | 1 | 1.4 | 1 |
| 260 | 0.52 | 4.20 | 2.17 | 3.55 | 0.15 | 1 | 3 | 2 | 1 | 2 | 1.8 | 2 |
| 261 | 0.45 | 7.23 | 2.05 | 5.49 | 0.15 | 2 | 3 | 2 | 1 | 1 | 1.8 | 2 |
| 262 | 0.45 | 35.09 | 0.84 | 2.81 | 0.30 | 2 | 2 | 3 | 1 | 2 | 2 | 3 |
| 263 | 0.45 | 21.83 | 1.78 | 3.67 | 0.39 | 2 | 1 | 2 | 1 | 2 | 1.6 | 2 |
| 264 | 0.52 | 25.99 | 0.99 | 3.65 | 0.22 | 1 | 1 | 3 | 1 | 2 | 1.6 | 2 |
| 265 | 0.40 | 4.68 | 0.96 | 2.39 | 0.67 | 2 | 1 | 3 | 3 | 3 | 2.6 | 3 |
| 266 | 0.30 | 23.70 | 1.25 | 2.11 | 3.25 | 3 | 1 | 3 | 3 | 3 | 2.6 | 4 |
| 267 | 0.41 | 6.46 | 2.40 | 2.99 | 0.35 | 2 | 3 | 1 | 1 | 2 | 1.8 | 2 |
| 268 | 0.50 | 2.19 | 0.45 | 10.19 | 0.24 | 1 | 3 | 3 | 1 | 1 | 1.8 | 2 |
| 269 | 0.53 | 29.11 | 2.09 | 3.59 | 0.23 | 1 | 1 | 2 | 1 | 2 | 1.4 | 1 |
| 270 | 0.50 | 6.27 | 2.30 | 3.65 | 0.19 | 2 | 3 | 2 | 1 | 2 | 2 | 3 |
| 271 | 0.58 | 22.00 | 1.79 | 3.96 | 0.13 | 1 | 1 | 2 | 1 | 1 | 1.2 | 1 |
| 272 | 0.52 | 35.11 | 1.50 | 4.60 | 1.07 | 1 | 1 | 2 | 3 | 1 | 1.6 | 2 |
| 273 | 0.68 | 14.90 | 1.70 | 5.69 | 0.15 | 1 | 2 | 3 | 1 | 1 | 1.6 | 2 |
| 274 | 0.56 | 5.88 | 1.29 | 3.52 | 0.71 | 1 | 3 | 3 | 2 | 1 | 2 | 3 |
| 275 | 0.45 | 13.15 | 1.27 | 0.23 | 1.08 | 2 | 2 | 3 | 3 | 3 | 2.6 | 4 |
| 276 | 0.50 | 13.86 | 1.27 | 0.23 | 0.83 | 1 | 2 | 3 | 2 | 3 | 2.2 | 2 |
| 277 | 0.49 | 24.18 | 1.95 | 3.42 | 0.38 | 2 | 1 | 2 | 1 | 2 | 1.6 | 2 |
| 278 | 0.56 | 6.60 | 1.30 | 0.25 | 0.39 | 1 | 3 | 3 | 1 | 3 | 2.2 | 3 |
| 279 | 0.53 | 19.92 | 1.61 | 2.68 | 0.83 | 1 | 1 | 2 | 2 | 2 | 1.6 | 2 |
| 280 | 0.56 | 10.05 | 1.59 | 4.19 | 0.75 | 1 | 2 | 2 | 2 | 1 | 1.6 | 2 |
| 281 | 0.52 | 5.76 | 1.49 | 3.75 | 0.21 | 1 | 3 | 3 | 1 | 1 | 1.8 | 2 |
| 282 | 0.57 | 24.84 | 0.94 | 4.34 | 0.40 | 1 | 1 | 3 | 1 | 1 | 1.4 | 1 |
| 283 | 0.24 | 19.95 | 0.79 | 2.56 | 3.56 | 3 | 1 | 3 | 3 | 2 | 2.4 | 3 |
| 284 | 0.28 | 41.31 | 1.25 | 2.56 | 2.59 | 3 | 1 | 3 | 3 | 2 | 2.4 | 3 |
| 285 | 0.41 | 5.34 | 1.20 | 4.25 | 0.77 | 2 | 3 | 3 | 2 | 1 | 2.2 | 3 |
| 286 | 0.30 | 23.94 | 1.82 | 2.54 | 9.23 | 3 | 1 | 2 | 3 | 2 | 2.2 | 3 |
| 287 | 0.54 | 7.31 | 1.61 | 3.77 | 1.05 | 1 | 2 | 2 | 3 | 1 | 1.8 | 2 |
| 288 | 0.49 | 14.15 | 0.87 | 2.67 | 0.28 | 2 | 2 | 3 | 1 | 2 | 2 | 3 |
| 289 | 0.44 | 4.53 | 1.18 | 2.11 | 0.54 | 2 | 3 | 3 | 2 | 3 | 2.6 | 4 |
| 290 | 0.55 | 1.42 | 1.37 | 3.27 | 0.13 | 1 | 3 | 3 | 1 | 2 | 2 | 3 |
| 291 | 0.49 | 14.15 | 0.87 | 2.67 | 0.28 | 1 | 2 | 3 | 1 | 2 | 2 | 2 |
| 292 | 0.50 | 15.31 | 1.37 | 3.52 | 0.38 | 1 | 1 | 3 | 1 | 2 | 1.6 | 2 |
| 293 | 0.43 | 21.89 | 1.33 | 3.17 | 0.29 | 2 | 1 | 3 | 1 | 2 | 1.8 | 2 |
| 294 | 0.45 | 9.41 | 2.66 | 3.83 | 0.48 | 2 | 2 | 1 | 1 | 1 | 1.4 | 1 |
| 295 | 0.41 | 4.64 | 1.22 | 2.50 | 0.57 | 2 | 3 | 3 | 2 | 2 | 2.4 | 3 |
| 296 | 0.54 | 2.62 | 1.36 | 2.86 | 0.44 | 1 | 3 | 3 | 1 | 2 | 2 | 3 |
| 297 | 0.51 | 18.54 | 1.40 | 3.58 | 0.45 | 1 | 1 | 3 | 2 | 2 | 1.8 | 2 |
| 298 | 0.47 | 27.17 | 1.20 | 4.16 | 0.15 | 2 | 1 | 3 | 1 | 1 | 1.6 | 2 |
| 299 | 0.36 | 14.21 | 1.67 | 2.93 | 0.53 | 3 | 2 | 2 | 2 | 2 | 2.2 | 3 |
| 300 | 0.51 | 26.77 | 1.26 | 4.39 | 1.54 | 1 | 1 | 3 | 3 | 1 | 1.8 | 2 |
| 301 | 0.40 | 13.42 | 1.42 | 2.07 | 3.64 | 2 | 2 | 3 | 3 | 3 | 2.6 | 4 |
| 302 | 0.45 | 25.24 | 1.34 | 3.05 | 0.87 | 2 | 1 | 3 | 2 | 2 | 2 | 3 |
| 303 | 0.56 | 0.48 | 1.69 | 4.04 | 0.28 | 1 | 3 | 2 | 1 | 1 | 1.6 | 2 |
| 304 | 0.42 | 27.00 | 1.08 | 3.13 | 1.22 | 2 | 1 | 3 | 3 | 2 | 2.2 | 3 |
| 305 | 0.60 | 10.65 | 2.23 | 6.89 | 3.28 | 1 | 2 | 2 | 3 | 1 | 1.8 | 2 |
| 306 | 0.40 | 5.98 | 1.24 | 3.30 | 3.33 | 3 | 3 | 3 | 1 | 2 | 2.4 | 3 |
| 307 | 0.45 | 6.17 | 1.62 | 3.10 | 2.14 | 2 | 2 | 2 | 1 | 2 | 1.8 | 2 |
| 308 | 0.57 | 9.52 | 2.16 | 5.88 | 0.82 | 1 | 2 | 2 | 2 | 1 | 1.6 | 2 |
| 309 | 0.47 | 16.90 | 1.22 | 3.39 | 0.27 | 2 | 1 | 3 | 1 | 2 | 1.8 | 2 |
| 310 | 0.49 | 22.98 | 1.37 | 5.03 | 0.78 | 2 | 1 | 3 | 2 | 1 | 1.8 | 2 |
| 311 | 0.39 | 12.16 | 1.68 | 2.80 | 0.42 | 3 | 2 | 2 | 1 | 2 | 2 | 3 |
| 312 | 0.54 | 11.60 | 1.07 | 3.50 | 2.03 | 1 | 2 | 3 | 3 | 2 | 2.2 | 3 |
| 313 | 0.54 | 15.89 | 1.53 | 4.20 | 0.69 | 1 | 1 | 2 | 2 | 1 | 1.4 | 1 |
| 314 | 0.57 | 9.46 | 1.66 | 5.15 | 0.30 | 1 | 2 | 2 | 1 | 1 | 1.4 | 1 |
| 315 | 0.52 | 0.77 | 1.84 | 5.78 | 0.40 | 1 | 3 | 2 | 1 | 1 | 1.6 | 2 |
| 316 | 0.52 | 0.88 | 2.11 | 4.91 | 0.62 | 1 | 3 | 2 | 2 | 1 | 1.8 | 2 |
| 317 | 0.50 | 6.22 | 1.86 | 3.25 | 0.26 | 2 | 3 | 2 | 1 | 2 | 2 | 3 |
| 318 | 0.42 | 7.65 | 0.94 | 3.56 | 0.58 | 2 | 2 | 3 | 2 | 2 | 2.2 | 3 |
| 319 | 0.37 | 20.02 | 0.96 | 2.37 | 0.44 | 3 | 1 | 3 | 1 | 3 | 2.2 | 2 |

**附录2 裂点及其是否在岩性分界点上**

**Tab. s2. The knickpoints and whether it is on the lithologic boundary**

|  |  |  |
| --- | --- | --- |
| No. | 裂点 | 是否靠近岩性分界线 |
| 1  3  5  7  9  12  13  17  19  21  23  25  27  28  30  31  33  35  38  40  41  43  45  47  49  51  53  55  57  59  61  63  64  65  67  69  71  72  73  75  77  78  79  81  83  85  87  88  89  91  92  94  96  98  99  101  102  103  104  105  107  109  111  113  114  116  118  124  126  128  130  132  134  136  138  139  141  142  144  146  147  149  151  155  156  158  160  162  164  165  166  168  169  172  173  174  175  177  179  181  183  185  187  188  190  196  198  200  202  204  206  208  210  212  213  215  217  219  221  223  225  227  229  230  232  234  236  238  239  241  243  245  247  249  251  253  255  257  259  261  263  266  268  270  272  274  276  278  280  282  284  286  288  290  292  294  296  298  300  303  305  306  308  310  312  314  316  318  319 | 103°12'53.883";26°16'5.86"  103°3'22.65";26°7'42.919"  103°10'36.125";26°14'18.384"  102°54'26.371";26°6'52.104"  103°7'7.964";26°3'30.117"  103°3'22.479";25°58'7.643"  103°14'26.175";26°4'49.047"  无裂点  103°14'46.845";25°49'27.24"  103°10'31.229";25°42'40.117"  103°11'56.89";25°43'44.362"  103°13'33.258";25°45'10.023"  无裂点  103°1'53.91";25°34'9.084"  无裂点  103°11'20.912";25°49'55.273"  103°7'53.766";25°38'27.732"  103°7'32.256";25°46'58.173"  103°9'18.706";25°47'48.397"  103°0'9.333";26°10'15.08"  103°10'41.815";26°17'36.328"  103°12'2.029";25°51'3.801"  103°11'9.927";25°30'36.706  103°22'18.786";25°17'29.064"  103°30'31.43";24°56'18.313"  103°4'46.266";24°54'5.063"  102°43'51.66";24°16'49.916"  102°54'6.213";24°19'26.082"  102°42'16.666";24°13'21.357"  102°41'49.594";24°4'20.814"  102°26'25.9";24°1'16.268"  102°31'16.813";24°1'27.446"  103°13'14.127";24°22'22.279"  102°56'15.854";23°53'11.354"  102°42'21.365";23°42'15.988"  102°39'7.061";23°26'7.886"  102°53'14.879";23°51'8.454"  102°57'7.504";23°31'52.18"  102°58'29.875";l23°31'11.517"  103°17'47.664";23°18'10.797"  102°32'32.8";23°58'6.049"  103°12'10.092";24°11'17.653"  102°58'3.983";23°57'12.511"  103°8'46.009";23°45'39.945"  103°8'25.451";23°42'48.624"  103°9'1.007";23°25'6.159"  103°10'18.102";23°20'8.06"  103°7'15.476";25°8'55.747"  103°9'49.297";26°25'19.616"  103°8'47.769";26°38'39.485"  102°47'15.672";27°3'16.168"  102°40'35.737";27°11'28.395"  102°27'15.867";27°14'2.216"  102°22'8.225";27°27'22.086"  102°25'11.077";27°13'40.627"  102°27'55.545";27°11'16.717"  无裂点  102°25'43.575";27°8'23.81"  102°33'55.802";27°6'51.517"  102°31'21.981";26°50'27.062"  无裂点  102°39'34.208";26°58'8.525"  102°37'38.037";26°49'34.676"  102°35'27.833";26°45'.562"  102°46'14.143";26°42'14.835"  102°51'52.55";26°38'39.485"  102°52'16.08";26°11'30.222"  102°52'21.507";26°10'58.742"  102°47'29.138";26°9'11.516"  102°46'34.976";26°1'56.735"  102°46'44.908";25°39'10.836"  102°41'37.265";25°21'44.853"  102°37'31.152";25°2'15.813"  102°23'53.6";24°51'13.897"  102°34'57.331";24°54'34.349"  102°21'37.461";24°52'31.293"  102°15'59.055";24°29'26.903"  101°56'53.812";27°3'15.744"  102°17'31.347";26°58'39.29"  102°26'45.103";26°49'25.534"  无裂点  101°59'3.835";26°9'56.689"  102°7'16.063";26°30'58.022"  102°27'15.867";26°39'41.014"  102°30'51.217";26°26'21.144"  102°27'48.692";26°20'47.759"  102°13'55.998";26°21'44.266"  102°14'6.351";26°16'20.498"  102°20'5.168";23°38'41.245"  102°29'14.025";26°14'13.303"  102°38'39.385";26°10'34.868"  102°36'18.045";26°2'39.452"  102°26'45.103";25°52'30.706"  102°13'28.702";25°55'44.593"  无裂点  无裂点  102°16'29.819";25°34'33.958"  102°13'28.841";25°28'48.993"  102°11'30.629";25°29'14.692"  102°0'5.364";25°50'58.413"  102°2'39.185";25°42'15.421"  102°8'40.883";25°43'14.206"  102°10'39.233";25°41'24.52"  102°4'54.739";25°38'5.828"  102°8'4.905";25°38'10.968"  102°5'10.296";25°35'4.187"  无裂点  101°56'30.014";25°27'54.023"  101°52'54.665";25°23'17.145"  101°52'23.901";25°16'6.446"  101°54'57.722";25°7'23.455"  102°21'6.697";25°17'7.975"  102°21'6.697";25°10'58.804"  102°3'40.713";24°58'9.699"  102°10'51.412";24°49'26.707"  102°18'32.876";24°54'34.349"  102°2'13.213";24°45'49.445"  102°3'42.3";24°41'56.449"  102°4'42.242";24°38'9.894"  101°54'.935";28°0'32.252"  无裂点  101°44'11.673";28°14'1.629"  无裂点  101°48'6.113";27°36'6.049"  101°40'5.559";27°12'29.923"  101°30'51.804";27°14'32.98"  无裂点  100°40'22.448";27°17'25.707"  100°39'11.778";27°14'25.82"  100°37'4.499";26°40'46.7"  100°59'35.186";26°44'17.892"  100°38'38.055";26°23'44.464"  101°43'10.145";26°21'44.266"  101°43'40.909";25°59'10.641"  无裂点  101°6'45.885";26°8'24.396"  101°3'10.536";25°59'41.405"  101°4'12.064";25°44'18.478"  101°29'27.113";25°49'48.263"  101°34'57.917";25°30'27.845"  101°44'11.673";25°27'23.259"  101°38'2.503";25°17'7.975"  无裂点  101°35'28.681";28°41'12.133"  101°36'35.875";28°17'40.18"  101°17'31.934";28°9'55.516"  无裂点  无裂点  101°3'28.55";27°49'41.232"  101°7'45.531";27°47'41.307"  100°47'29.151";27°37'24.551"  100°22'40.163";27°18'8.33"  100°13'26.407";26°29'25.729"  100°11'23.35";26°13'32.039"  100°48'21.301";26°3'3.497"  100°43'.074";25°55'12.364"  100°47'27.763";25°43'25.664"  100°46'44.933";25°21'39.34"  无裂点  101°10'16.108";24°57'59.137"  101°15'28.877";24°47'23.65"  101°13'40.753";24°59'38.64"  101°19'34.991";24°50'59"  无裂点  101°23'41.105";24°56'6.642"  101°25'13.397";24°52'.528"  101°27'24.035";24°48'20.928"  101°34'18.359";24°58'24.482"  101°47'16.258";25°3'17.341"  无裂点  101°31'22.568";24°37'39.13"  无裂点  101°44'11.673";24°23'17.732"  101°52'23.901";24°37'39.13"  无裂点  102°7'16.063";24°27'54.61"  101°51'53.136";24°5'51.749"  102°13'25.233";24°9'57.863"  无裂点  102°26'14.339";23°57'8.757"  102°1'37.656";23°49'58.058"  无裂点  102°21'37.461";23°41'45.831"  102°35'28.095";23°31'30.546"  无裂点  101°34'57.917";26°43'47.127" | 否  否  否  否  否  否  否  否  否  否  否  否  否  否  否  否  否  否  否  是  否  否  否  否  否  否  否  否  否  否  否  否  是  否  是  否  否  否  否  是  否  否  否  否  否  否  否  否  否  否  否  否  否  否  否  否  否  否  否  否  否  是  否  否  否  否  否  否  否  否  否  否  否  否  否  否  否  否  否  否  否  否  否  否  否  否  否  是  否  否  否  否  否  否  否  否  是  否  否  否  否  否  否  否  否  否  否  否  否  否  否  否  否  否  否  否  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