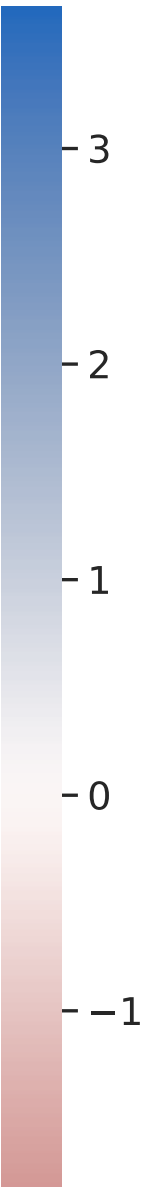


| | | | | | | | | | | | | | | | | | | | | |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| G | -0.36 | -0.47 | -0.27 | 0.42 | 0.14 | -0.19 | -0.02 | 0.67 | 2.36 | -0.29 | -0.44 | -0.11 | -0.56 | 0.13 | 0.00 | -0.47 | 0.18 | 0.19 | -0.15 | -0.28 |
| R | -0.23 | -0.42 | -0.22 | 0.22 | 0.38 | 0.00 | 0.23 | 0.38 | 0.58 | 0.19 | 0.05 | 0.45 | -0.03 | 0.28 | 0.34 | -0.33 | 0.38 | 0.64 | 0.91 | 0.23 |
| T | -0.10 | -0.50 | 0.19 | 0.00 | 0.26 | 0.11 | 0.29 | 0.68 | 2.76 | 0.02 | 0.13 | 0.31 | 0.04 | 0.28 | 0.50 | -0.08 | 0.69 | 0.77 | 1.34 | 0.25 |
| F | 0.05 | -0.17 | 0.35 | 0.70 | 0.91 | 0.65 | 0.87 | 1.07 | 1.13 | 0.41 | 0.25 | 0.64 | 0.09 | 0.83 | 1.22 | 0.00 | 1.47 | 1.48 | 2.83 | 1.04 |
| S | -0.01 | -0.51 | -0.39 | -0.04 | 0.00 | -0.09 | -0.04 | 0.90 | 0.33 | -0.25 | -0.48 | 0.07 | -0.35 | 0.06 | 0.48 | -0.29 | 0.37 | 0.66 | 0.84 | -0.02 |
| D | -1.37 | -1.30 | -1.41 | -0.81 | -0.74 | -0.45 | -0.87 | 0.63 | -0.37 | 1.23 | -1.45 | -0.79 | -1.51 | -0.49 | -0.79 | 1.82 | -0.35 | 0.00 | -0.43 | -1.11 |
| I | 0.51 | 0.12 | 0.15 | 0.71 | 0.81 | 0.50 | 0.79 | 0.70 | 0.48 | 0.69 | 0.27 | 0.55 | 0.00 | 0.76 | 1.04 | -0.08 | 0.86 | 1.09 | 0.01 | 0.80 |
| A | -0.22 | -0.53 | -0.36 | 0.59 | 0.49 | 0.54 | 0.58 | 0.70 | 0.70 | -0.36 | -0.28 | 0.62 | -0.58 | 0.65 | 0.39 | -0.56 | 0.84 | 0.85 | -0.46 | 0.00 |
| I | 0.47 | 0.09 | 0.44 | 0.66 | 0.80 | 0.60 | 0.51 | 0.75 | 0.87 | 0.16 | 0.32 | 0.38 | 0.00 | 0.77 | 0.39 | 0.11 | 0.90 | 1.58 | 0.29 | 0.62 |
| S | 0.18 | -0.37 | -0.16 | -0.04 | 0.00 | -0.01 | 0.09 | 1.15 | 0.25 | 0.00 | 0.02 | 0.07 | -0.14 | 0.17 | 0.08 | -0.09 | 0.10 | 1.10 | 0.06 | -0.01 |
| W | 0.34 | 0.00 | 0.36 | 1.00 | 1.49 | 1.38 | 1.55 | 2.43 | 1.81 | 0.32 | 0.34 | 1.41 | 0.16 | 1.43 | 2.13 | -0.03 | 1.88 | 2.32 | 1.00 | 1.32 |
| S | -0.13 | -0.19 | 0.14 | 0.08 | 0.00 | -0.08 | 0.61 | 1.53 | 0.52 | -0.03 | -0.14 | 0.29 | 0.07 | 0.30 | 0.12 | -0.24 | 0.33 | 1.33 | 0.49 | 0.16 |
| G | -0.72 | -0.90 | -0.59 | -0.32 | -0.43 | -0.27 | 0.08 | 1.17 | 0.29 | -0.69 | -0.77 | -0.01 | -1.07 | -0.11 | 0.00 | -1.00 | 0.20 | 0.75 | 0.23 | -0.47 |
| L | 0.19 | -0.25 | -0.05 | 0.64 | 0.59 | 0.42 | 0.88 | 0.97 | 2.17 | 0.49 | 0.00 | 0.63 | -0.01 | 0.76 | 0.90 | -0.16 | 1.18 | 1.37 | 1.21 | 0.75 |
| I | 0.18 | -0.21 | -0.16 | 0.29 | 0.54 | 0.43 | 0.58 | 0.66 | 0.87 | 0.21 | 0.05 | 0.69 | 0.00 | 0.46 | 0.74 | -0.23 | 1.00 | 1.00 | 0.58 | 0.36 |
| I | 0.34 | -0.30 | 0.08 | 0.76 | 0.64 | 0.33 | 0.67 | 0.80 | 0.53 | 0.38 | -0.03 | 0.30 | 0.00 | 0.39 | 0.79 | 0.00 | 0.63 | 0.76 | -0.44 | 0.65 |
| A | -0.35 | -0.07 | -0.12 | -0.35 | -0.07 | -0.31 | -0.28 | 0.22 | -0.32 | -0.05 | -0.30 | -0.33 | 0.16 | -0.51 | 0.28 | -0.10 | 0.01 | -0.19 | -0.11 | 0.00 |
| A | -0.19 | -0.57 | -0.56 | -0.18 | 0.02 | 0.01 | -0.05 | 0.18 | -0.01 | -0.71 | -0.57 | -0.19 | -0.70 | 0.21 | 0.30 | -1.16 | 0.26 | 0.49 | -1.05 | 0.00 |
| R | -0.42 | -0.14 | -0.19 | 0.02 | 0.09 | 0.00 | -0.16 | 0.67 | 0.18 | 0.11 | -0.10 | 0.13 | -0.53 | -0.19 | 0.33 | -0.41 | -0.63 | 0.00 | -0.03 | 0.05 |
| I | 0.03 | -0.27 | 0.40 | 0.83 | 0.97 | 1.05 | 1.01 | 1.51 | 1.16 | 0.35 | 0.30 | 1.15 | 0.00 | 0.99 | 0.75 | -0.18 | 1.21 | 1.13 | 0.44 | 0.68 |
| G | -0.25 | -0.56 | -0.45 | -0.45 | -0.22 | -0.27 | -0.32 | 1.17 | -0.16 | -0.38 | -0.13 | 0.01 | -0.51 | -0.28 | 0.00 | -0.28 | -0.09 | 0.15 | 0.36 | -0.18 |
| M | 0.34 | -0.25 | 0.03 | 0.38 | 0.55 | 0.55 | 0.61 | 0.92 | 0.96 | 0.00 | 0.16 | 0.67 | -0.07 | 0.43 | 0.82 | -0.19 | 1.11 | 1.14 | 0.79 | 0.67 |
| N | -0.27 | -0.97 | -0.58 | -0.64 | -0.34 | -0.29 | -0.13 | 0.40 | 0.00 | -0.47 | -0.47 | -0.16 | -0.72 | -0.30 | -0.15 | -0.53 | 0.22 | 0.32 | 0.36 | -0.39 |
| Y | 0.00 | -0.42 | -0.08 | 0.34 | 0.44 | 0.37 | 0.63 | 0.67 | 0.69 | -0.20 | -0.28 | 0.59 | -0.24 | 0.34 | 0.72 | -0.40 | 0.90 | 0.85 | 0.95 | 0.29 |
| Y | 0.00 | 0.05 | 0.16 | 3.66 | 2.82 | 0.20 | 0.24 | 1.03 | 0.39 | 0.06 | 0.15 | 0.47 | 0.14 | 0.36 | 0.55 | 0.05 | 0.60 | 0.92 | 1.05 | 0.48 |
| Y | 0.00 | -0.03 | 0.24 | 0.50 | 0.32 | 0.21 | 0.70 | 1.02 | 0.79 | 0.16 | -0.12 | 0.71 | 0.03 | 0.28 | 0.63 | -0.13 | 0.81 | 1.03 | 0.42 | 0.18 |
| A | -0.40 | -0.27 | -0.24 | -0.16 | -0.15 | -0.40 | -0.13 | 0.11 | -0.11 | -0.20 | -0.23 | -0.42 | -0.33 | -0.16 | 0.15 | -0.39 | -0.24 | 0.03 | -0.03 | 0.00 |
| R | -0.03 | -0.18 | -0.04 | 0.23 | 0.41 | 0.00 | 0.22 | 0.65 | 0.35 | -0.20 | -0.14 | 0.24 | -0.17 | 0.20 | 0.51 | -0.39 | 0.03 | 0.25 | 0.28 | 0.10 |
| E | -0.08 | -0.00 | -0.11 | 0.32 | 0.49 | 0.11 | 0.11 | 0.56 | 0.44 | 0.07 | 0.04 | 0.23 | -0.07 | 0.29 | 0.62 | -0.05 | 0.00 | 0.31 | 0.39 | 0.25 |
| I | 0.20 | 0.03 | 0.06 | 0.10 | 0.30 | 0.20 | 0.28 | 0.22 | 0.45 | 0.13 | 0.12 | 0.68 | 0.00 | 0.16 | 0.32 | 0.06 | 0.04 | 0.05 | 0.31 | 0.23 |
| E | 0.02 | 0.05 | 0.12 | 0.21 | 0.21 | 0.38 | 0.22 | 0.63 | 0.43 | 0.08 | 0.36 | 0.34 | 0.15 | 0.14 | 0.21 | -0.03 | 0.00 | 0.06 | 0.36 | 0.05 |
| Y | 0.00 | 0.18 | 0.10 | 0.50 | 0.42 | 0.48 | 0.53 | 0.36 | 0.17 | 0.08 | 0.23 | 0.66 | 0.10 | 0.40 | 0.33 | 0.14 | 0.32 | 0.33 | 0.16 | 0.32 |
| P | -0.08 | -0.13 | -0.00 | 0.15 | 0.01 | 0.04 | 0.16 | 0.00 | 0.05 | 0.04 | -0.02 | 0.30 | -0.05 | -0.05 | -0.17 | -0.15 | -0.09 | -0.13 | -0.08 | |
| Y | 0.00 | -0.34 | -0.10 | -0.12 | -0.08 | -0.17 | -0.22 | -0.38 | -0.29 | 0.09 | -0.05 | -0.35 | 0.11 | 0.08 | -0.24 | -0.17 | 0.05 | -0.18 | -0.65 | -0.01 |



| 7sah B,6lr7_B | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| G | R | T | F | S | T | S | A | I | T | W | T | V | G | N | T | S | A | R | S | R | G | Y | V | L | S | V | L | R | S | V | D | S | Y | D | Y |
| -0.38 | -0.80 | -0.32 | 0.21 | 0.02 | -0.29 | -0.06 | 0.53 | 1.89 | -0.38 | -0.52 | -0.22 | -0.69 | 0.04 | 0.00 | -0.48 | 0.18 | 0.17 | -0.37 | -0.28 | | | | | | | | | | | | | | | | |
| -0.29 | -0.46 | -0.17 | 0.25 | 0.41 | 0.00 | 0.34 | 0.56 | 0.57 | 0.05 | 0.15 | 0.46 | -0.09 | 0.30 | 0.38 | -0.50 | 0.58 | 0.77 | 0.47 | 0.35 | | | | | | | | | | | | | | | | |
| -0.10 | -0.71 | 0.27 | 0.00 | 0.24 | 0.11 | 0.40 | 0.58 | 3.14 | 0.08 | 0.16 | 0.31 | -0.01 | 0.24 | 0.42 | -0.13 | 0.63 | 1.22 | 1.37 | 0.28 | | | | | | | | | | | | | | | | |
| 0.03 | -0.38 | 0.26 | 0.81 | 0.97 | 0.63 | 0.95 | 0.96 | 4.59 | 0.44 | 0.27 | 0.79 | 0.14 | 0.91 | 1.45 | 0.00 | 1.59 | 1.92 | 3.32 | 1.06 | | | | | | | | | | | | | | | | |
| -0.29 | -0.63 | -0.55 | -0.19 | 0.00 | -0.30 | 0.03 | 0.62 | 3.00 | -0.47 | -0.68 | -0.15 | -0.57 | -0.15 | 0.41 | -0.57 | 0.23 | 0.88 | 0.90 | -0.08 | | | | | | | | | | | | | | | | |
| -0.50 | -0.61 | -0.58 | 0.00 | 0.09 | 0.33 | 0.09 | 1.36 | 0.96 | -0.43 | -0.38 | 0.57 | -0.48 | 0.38 | 0.09 | -0.63 | 0.79 | 1.14 | 0.41 | -0.08 | | | | | | | | | | | | | | | | |
| -0.55 | -0.96 | -0.78 | -0.21 | 0.00 | -0.52 | 0.09 | 0.60 | 0.21 | -0.32 | -0.51 | -0.09 | -0.95 | -0.21 | 0.42 | -0.95 | 0.11 | 0.70 | -0.89 | 0.02 | | | | | | | | | | | | | | | | |
| -0.62 | -1.08 | -0.66 | 0.38 | 0.84 | 0.71 | 0.99 | 0.90 | 0.92 | -0.48 | -0.63 | 0.75 | -1.10 | 0.62 | 0.74 | -1.26 | 1.24 | 1.37 | -0.28 | 0.00 | | | | | | | | | | | | | | | | |
| 0.64 | 0.38 | 0.38 | 0.88 | 0.80 | 0.90 | 0.75 | 1.20 | 1.13 | 0.36 | 0.27 | 0.72 | 0.00 | 1.09 | 0.64 | 0.23 | 1.34 | 1.98 | -0.37 | 0.45 | | | | | | | | | | | | | | | | |
| 0.31 | 0.05 | 0.06 | 0.00 | -0.03 | 0.05 | 0.30 | 1.39 | 1.18 | 0.21 | 0.31 | 0.08 | 0.03 | 0.22 | 0.32 | 0.19 | 0.25 | 1.31 | 0.62 | 0.15 | | | | | | | | | | | | | | | | |
| 0.73 | 0.00 | 0.55 | 1.49 | 1.83 | 1.34 | 1.47 | 2.44 | 2.10 | 0.64 | 0.62 | 1.85 | 0.44 | 1.25 | 2.30 | 0.53 | 1.84 | 2.23 | 0.85 | 1.35 | | | | | | | | | | | | | | | | |
| 0.02 | 0.01 | 0.14 | 0.00 | 0.16 | 0.02 | 0.50 | 1.32 | 0.39 | 0.04 | 0.05 | 0.13 | 0.10 | 0.29 | 0.61 | 0.03 | 0.66 | 1.24 | 1.18 | 0.25 | | | | | | | | | | | | | | | | |
| -0.18 | -0.29 | 0.00 | 0.10 | 0.48 | 0.15 | 0.81 | 1.05 | 1.58 | -0.16 | -0.13 | 0.63 | -0.41 | 0.41 | 0.54 | -0.30 | 0.68 | 1.27 | 0.42 | 0.14 | | | | | | | | | | | | | | | | |
| -0.49 | -0.56 | -0.42 | -0.28 | -0.34 | -0.34 | 0.00 | 0.28 | 2.62 | -0.19 | -0.53 | -0.38 | -0.65 | -0.24 | 0.00 | -0.50 | 0.11 | 0.31 | 0.97 | -0.20 | | | | | | | | | | | | | | | | |
| -0.84 | -0.81 | -0.55 | -0.26 | -0.39 | -0.13 | 0.04 | 0.00 | -0.52 | -0.51 | -0.11 | -0.70 | -0.49 | -0.13 | -0.81 | 0.37 | 0.40 | -0.14 | -0.62 | 0.00 | | | | | | | | | | | | | | | | |
| -0.25 | -0.23 | -0.14 | 0.00 | 0.08 | -0.03 | -0.01 | 0.29 | 0.10 | -0.29 | 0.17 | -0.09 | -0.18 | 0.03 | 0.17 | -0.25 | 0.17 | 0.25 | -0.35 | 0.11 | | | | | | | | | | | | | | | | |
| -0.50 | -0.12 | -0.14 | -0.37 | 0.00 | -0.21 | -0.17 | 0.14 | -0.37 | 0.14 | -0.12 | -0.42 | 0.04 | -0.55 | 0.23 | -0.20 | 0.12 | -0.29 | -0.28 | 0.61 | | | | | | | | | | | | | | | | |
| -0.22 | -0.68 | -0.16 | -0.02 | 0.01 | -0.43 | -0.43 | -0.40 | 1.05 | -0.51 | -0.28 | -0.35 | -0.45 | -0.29 | 0.10 | -0.51 | 0.28 | 0.28 | 1.81 | 0.00 | | | | | | | | | | | | | | | | |
| -0.39 | -0.17 | -0.16 | -0.05 | 0.29 | 0.00 | 0.11 | 0.22 | 0.30 | 0.26 | -0.09 | -0.03 | -0.28 | -0.11 | 0.54 | -0.13 | -0.04 | 0.36 | -0.05 | 0.28 | | | | | | | | | | | | | | | | |
| -0.32 | -0.80 | -0.32 | -0.09 | 0.00 | 0.19 | -0.03 | 0.46 | 0.25 | -0.22 | -0.53 | 0.10 | -0.52 | 0.12 | 0.04 | -0.37 | 0.30 | 0.41 | -0.27 | -0.20 | | | | | | | | | | | | | | | | |
| -0.34 | -0.46 | -0.09 | -0.04 | 0.05 | 0.00 | 0.10 | 0.39 | 0.03 | 0.07 | 0.12 | 0.30 | -0.05 | 0.02 | 0.28 | -0.09 | 0.35 | 0.59 | -0.01 | -0.01 | | | | | | | | | | | | | | | | |
| -0.46 | -0.90 | -0.29 | -0.38 | -0.29 | -0.49 | -0.26 | 0.20 | -0.14 | -0.46 | -0.39 | -0.13 | -0.52 | -0.36 | 0.00 | -0.66 | 0.13 | 0.27 | 0.15 | -0.27 | | | | | | | | | | | | | | | | |
| 0.00 | -0.50 | -0.13 | 0.32 | 0.34 | 0.06 | 0.40 | 0.72 | 0.66 | 0.19 | 0.03 | 0.38 | -0.13 | 0.38 | 0.26 | -0.18 | 0.65 | 0.94 | 0.70 | 0.35 | | | | | | | | | | | | | | | | |
| 0.03 | -0.20 | 0.00 | 0.13 | 0.08 | -0.09 | 0.17 | 0.17 | 2.23 | 0.11 | -0.23 | 0.23 | -0.17 | 0.05 | 0.33 | -0.12 | 0.30 | 0.37 | 0.44 | 0.22 | | | | | | | | | | | | | | | | |
| 0.12 | -0.20 | 0.11 | 0.02 | 0.10 | 0.03 | 0.23 | 0.49 | 0.58 | 0.20 | 0.00 | 0.23 | 0.00 | 0.23 | 0.50 | 0.07 | 0.31 | 0.74 | 0.48 | 0.23 | | | | | | | | | | | | | | | | |
| -0.36 | -0.47 | -0.37 | -0.14 | 0.00 | -0.18 | -0.11 | 0.37 | 0.13 | -0.30 | -0.55 | -0.06 | -0.86 | -0.04 | 0.06 | -0.64 | -0.08 | 0.16 | 0.01 | 0.24 | | | | | | | | | | | | | | | | |
| -0.26 | 0.08 | 0.00 | 0.31 | 0.37 | 0.18 | 0.35 | 0.65 | 0.46 | 0.10 | -0.08 | 0.33 | -0.07 | 0.45 | 0.36 | -0.07 | 0.43 | 0.70 | -0.13 | 0.24 | | | | | | | | | | | | | | | | |
| -0.22 | -0.08 | 0.05 | 0.25 | 0.17 | 0.08 | 0.13 | 0.41 | 2.12 | 0.16 | 0.00 | 0.19 | 0.00 | 0.22 | 0.27 | -0.03 | 0.15 | 0.34 | 0.47 | 0.21 | | | | | | | | | | | | | | | | |
| -0.31 | -0.27 | -0.19 | -0.00 | 0.16 | 0.00 | -0.01 | 0.22 | 0.19 | -0.06 | -0.31 | 0.07 | -0.39 | 0.04 | 0.24 | -0.34 | 0.03 | 0.17 | 0.33 | -0.07 | | | | | | | | | | | | | | | | |
| -0.17 | -0.45 | -0.23 | 0.02 | 0.00 | -0.21 | -0.14 | 0.43 | 0.13 | -0.17 | -0.02 | -0.05 | -0.15 | -0.05 | 0.09 | -0.10 | -0.15 | 0.04 | 0.14 | 0.08 | | | | | | | | | | | | | | | | |
| -0.13 | -0.12 | 0.00 | 0.14 | 0.30 | -0.04 | -0.06 | 0.25 | 1.09 | -0.06 | -0.06 | 0.23 | -0.02 | 0.16 | 0.30 | -0.11 | -0.16 | 0.12 | 0.12 | 0.19 | | | | | | | | | | | | | | | | |
| -0.11 | -0.25 | -0.19 | -0.08 | 0.11 | 0.03 | 0.07 | -0.01 | 0.13 | -0.23 | -0.20 | 0.19 | -0.27 | 0.13 | 0.18 | -0.25 | -0.07 | 0.00 | 0.57 | 0.05 | | | | | | | | | | | | | | | | |
| -0.17 | -0.20 | 0.01 | 0.00 | 0.00 | 0.01 | 0.02 | 0.03 | 0.02 | -0.14 | -0.14 | 0.01 | -0.26 | -0.00 | 0.02 | -0.20 | -0.26 | -0.32 | -0.13 | -0.07 | | | | | | | | | | | | | | | | |
| 0.00 | 0.15 | 0.11 | 0.17 | 0.14 | 0.34 | 0.17 | 0.27 | 0.02 | -0.02 | 0.07 | 0.33 | 0.07 | 0.18 | 0.15 | 0.02 | -0.10 | -0.05 | 0.27 | 0.18 | | | | | | | | | | | | | | | | |
| 0.08 | 0.09 | 0.21 | 0.18 | 0.15 | 0.21 | 0.14 | 0.10 | 0.12 | 0.15 | 0.13 | 0.35 | 0.12 | 0.08 | -0.00 | 0.03 | -0.01 | 0.00 | 0.02 | 0.05 | | | | | | | | | | | | | | | | |
| 0.00 | -0.04 | 0.13 | 0.01 | -0.05 | -0.08 | -0.15 | -0.39 | -0.26 | 0.17 | 0.07 | -0.16 | 0.27 | 0.05 | -0.31 | 0.03 | -0.36 | -0.45 | -0.62 | 0.10 | | | | | | | | | | | | | | | | |