

| | A | C | D | E | F | G | H | I | K | L | M | N | P | Q | R | S | T | V | W | Y |
|------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 1:Q | 1.04% | 0.07% | 0.95% | 6.59% | 0.08% | 1.05% | 5.60% | 0.25% | 6.68% | 8.00% | 0.84% | 0.85% | 7.50% | 48.24% | 8.51% | 0.71% | 1.06% | 1.05% | 0.50% | 0.42% |
| 2:V | 6.86% | 0.08% | 0.51% | 5.27% | 0.81% | 4.92% | 0.04% | 4.68% | 1.19% | 11.10% | 6.99% | 0.15% | 0.69% | 0.30% | 1.26% | 0.79% | 2.05% | 52.18% | 0.13% | 0.01% |
| 3:Q | 0.33% | 0.22% | 0.74% | 2.45% | 0.16% | 0.48% | 13.32% | 0.36% | 7.78% | 5.08% | 0.27% | 2.26% | 4.28% | 50.83% | 8.26% | 0.76% | 0.93% | 0.37% | 0.72% | 0.39% |
| 4:L | 1.92% | 0.08% | 0.10% | 1.09% | 1.49% | 1.00% | 0.10% | 1.82% | 0.93% | 56.53% | 6.85% | 0.09% | 3.32% | 1.12% | 2.78% | 2.63% | 1.43% | 16.01% | 0.71% | 0.02% |
| 5:V | 6.57% | 0.07% | 0.54% | 5.07% | 0.66% | 5.02% | 0.05% | 4.19% | 1.18% | 11.58% | 6.90% | 0.14% | 0.92% | 0.41% | 1.26% | 0.71% | 2.22% | 52.39% | 0.11% | 0.01% |
| 6:Q | 0.65% | 0.13% | 0.39% | 1.65% | 0.14% | 0.64% | 8.35% | 0.16% | 5.26% | 12.23% | 0.62% | 1.14% | 8.17% | 45.89% | 9.30% | 1.26% | 1.03% | 0.94% | 1.80% | 0.25% |
| 7:S | 2.94% | 3.52% | 0.09% | 0.01% | 3.45% | 0.18% | 0.14% | 0.19% | 0.01% | 0.86% | 0.01% | 0.10% | 6.93% | 0.02% | 0.27% | 76.76% | 3.14% | 0.23% | 0.19% | 0.96% |
| 8:G | 1.19% | 0.03% | 0.24% | 4.93% | 0.00% | 85.72% | 0.01% | 0.01% | 0.24% | 0.17% | 0.10% | 0.01% | 0.08% | 0.19% | 4.24% | 0.11% | 0.16% | 1.23% | 1.34% | 0.00% |
| 9:A | 48.36% | 0.15% | 0.69% | 0.11% | 0.19% | 1.78% | 0.19% | 0.98% | 0.03% | 0.60% | 0.03% | 0.32% | 13.30% | 0.02% | 0.32% | 6.01% | 25.03% | 1.82% | 0.01% | 0.06% |
| 10:E | 4.55% | 0.05% | 0.90% | 57.89% | 0.04% | 9.54% | 0.77% | 0.13% | 4.23% | 0.61% | 0.31% | 0.75% | 0.70% | 5.27% | 1.13% | 0.36% | 0.98% | 2.48% | 0.10% | 0.21% |
| 11:V | 7.95% | 0.02% | 0.61% | 6.57% | 0.28% | 6.31% | 0.03% | 2.28% | 0.80% | 11.41% | 9.26% | 0.07% | 0.51% | 0.21% | 0.96% | 0.68% | 1.53% | 50.27% | 0.25% | 0.01% |
| 12:K | 0.95% | 0.03% | 0.72% | 6.74% | 0.03% | 1.59% | 0.33% | 1.44% | 45.02% | 0.89% | 7.02% | 2.92% | 0.48% | 4.97% | 16.31% | 0.94% | 8.28% | 0.89% | 0.41% | 0.05% |
| 13:K | 0.89% | 0.02% | 0.50% | 7.32% | 0.02% | 2.17% | 0.17% | 0.80% | 49.01% | 0.82% | 6.32% | 1.62% | 0.40% | 3.93% | 16.93% | 0.72% | 6.99% | 0.86% | 0.47% | 0.02% |
| 14:P | 5.79% | 0.61% | 0.10% | 0.04% | 0.62% | 0.21% | 0.62% | 0.33% | 0.07% | 2.02% | 0.04% | 0.23% | 62.97% | 0.15% | 1.47% | 15.88% | 8.18% | 0.44% | 0.09% | 0.14% |
| 15:G | 0.78% | 0.03% | 0.16% | 3.44% | 0.00% | 88.29% | 0.01% | 0.01% | 0.17% | 0.12% | 0.07% | 0.01% | 0.06% | 0.14% | 4.33% | 0.10% | 0.11% | 0.88% | 1.29% | 0.00% |
| 16:A | 86.24% | 0.02% | 1.73% | 0.11% | 0.03% | 1.44% | 0.04% | 0.16% | 0.03% | 0.06% | 0.02% | 0.12% | 2.28% | 0.01% | 0.03% | 1.42% | 4.02% | 2.22% | 0.00% | 0.02% |
| 17:S | 2.16% | 0.37% | 0.04% | 0.19% | 0.47% | 0.10% | 0.03% | 0.10% | 0.03% | 3.32% | 0.01% | 0.01% | 9.18% | 0.08% | 0.24% | 81.36% | 1.85% | 0.12% | 0.20% | 0.13% |
| 18:V | 4.12% | 0.01% | 0.41% | 4.52% | 0.24% | 4.30% | 0.03% | 1.74% | 0.42% | 14.21% | 6.88% | 0.04% | 0.66% | 0.33% | 0.71% | 0.36% | 0.83% | 60.08% | 0.11% | 0.01% |
| 19:K | 0.58% | 0.04% | 0.99% | 7.92% | 0.02% | 0.94% | 0.60% | 0.82% | 60.25% | 0.33% | 1.27% | 6.56% | 0.33% | 5.67% | 6.68% | 1.55% | 4.94% | 0.26% | 0.14% | 0.11% |
| 20:V | 12.32% | 0.06% | 5.00% | 0.42% | 0.56% | 5.63% | 0.07% | 1.85% | 0.08% | 1.73% | 0.30% | 0.20% | 0.24% | 0.01% | 0.11% | 0.31% | 0.61% | 70.46% | 0.01% | 0.03% |
| 21:S | 4.33% | 2.63% | 0.23% | 0.01% | 2.81% | 0.22% | 0.45% | 0.15% | 0.03% | 1.61% | 0.02% | 0.19% | 11.72% | 0.03% | 0.37% | 70.82% | 1.97% | 0.43% | 0.21% | 1.75% |
| 22:C | 0.51% | 50.64% | 1.33% | 0.10% | 4.12% | 3.74% | 2.49% | 0.14% | 0.15% | 2.01% | 0.02% | 1.05% | 1.12% | 0.15% | 3.58% | 11.15% | 0.33% | 0.26% | 5.57% | 11.55% |
| 23:K | 2.49% | 0.03% | 0.34% | 8.10% | 0.02% | 1.87% | 0.17% | 0.36% | 36.62% | 1.14% | 5.05% | 1.12% | 2.05% | 4.84% | 15.94% | 1.55% | 16.75% | 1.00% | 0.54% | 0.04% |
| 24:A | 40.77% | 0.23% | 1.45% | 0.15% | 0.24% | 1.83% | 0.22% | 1.17% | 0.07% | 0.50% | 0.05% | 0.67% | 12.71% | 0.02% | 0.26% | 8.53% | 29.27% | 1.74% | 0.01% | 0.11% |
| 25:S | 3.04% | 13.56% | 0.38% | 0.04% | 11.20% | 0.51% | 0.59% | 0.38% | 0.03% | 3.16% | 0.02% | 0.30% | 5.45% | 0.06% | 0.61% | 54.87% | 1.37% | 0.75% | 0.74% | 2.93% |
| 26:G | 6.09% | 0.09% | 4.15% | 12.39% | 0.08% | 61.19% | 0.23% | 0.48% | 0.90% | 0.68% | 0.07% | 0.30% | 0.80% | 0.54% | 7.33% | 0.74% | 1.41% | 2.39% | 0.07% | 0.07% |
| 27:Y | 0.80% | 9.37% | 10.71% | 1.14% | 7.84% | 2.01% | 14.04% | 1.15% | 1.39% | 3.35% | 0.08% | 9.10% | 1.47% | 1.10% | 2.72% | 9.91% | 1.09% | 0.86% | 0.41% | 21.45% |
| 28:T | 12.19% | 0.41% | 0.57% | 0.07% | 0.70% | 0.74% | 0.26% | 5.88% | 0.50% | 0.86% | 0.78% | 2.00% | 8.91% | 0.03% | 1.11% | 11.48% | 51.47% | 1.73% | 0.04% | 0.26% |
| 29:F | 0.30% | 4.71% | 0.13% | 0.02% | 54.71% | 0.23% | 0.37% | 1.07% | 0.02% | 25.87% | 0.12% | 0.11% | 1.39% | 0.05% | 0.52% | 5.79% | 0.14% | 2.89% | 0.29% | 1.29% |
| 30:T | 9.52% | 0.33% | 0.67% | 0.04% | 0.52% | 0.85% | 0.26% | 5.01% | 0.30% | 0.79% | 0.16% | 1.83% | 7.30% | 0.02% | 0.91% | 9.84% | 59.66% | 1.80% | 0.01% | 0.17% |
| 31:G | 13.32% | 0.53% | 22.99% | 1.89% | 0.11% | 48.43% | 0.78% | 0.27% | 0.13% | 0.39% | 0.04% | 0.67% | 0.38% | 0.11% | 1.39% | 1.31% | 0.73% | 6.26% | 0.03% | 0.22% |
| 32:Y | 0.49% | 13.01% | 3.80% | 0.27% | 9.29% | 0.77% | 11.47% | 0.46% | 0.79% | 4.31% | 0.05% | 4.57% | 1.61% | 0.75% | 1.87% | 12.35% | 0.80% | 0.34% | 0.86% | 32.16% |
| 33:Y | 0.68% | 13.10% | 3.24% | 0.53% | 14.49% | 0.72% | 8.31% | 0.61% | 0.39% | 4.51% | 0.04% | 3.36% | 2.11% | 0.82% | 1.56% | 18.54% | 0.98% | 0.46% | 0.82% | 24.72% |
| 34:M | 2.25% | 0.24% | 0.19% | 1.05% | 4.60% | 1.27% | 0.12% | 14.48% | 1.81% | 28.65% | 12.49% | 0.32% | 2.99% | 0.57% | 3.58% | 2.94% | 6.72% | 15.02% | 0.66% | 0.05% |
| 35:H | 1.13% | 0.99% | 3.72% | 0.49% | 1.20% | 0.55% | 38.32% | 0.87% | 2.51% | 7.37% | 0.17% | 6.99% | 9.86% | 8.45% | 8.51% | 2.91% | 1.85% | 1.00% | 0.18% | 2.93% |
| 36:W | 0.08% | 5.92% | 0.05% | 0.14% | 0.27% | 6.36% | 0.07% | 0.02% | 0.05% | 1.35% | 0.03% | 0.03% | 0.15% | 0.08% | 8.70% | 1.91% | 0.05% | 0.07% | 74.22% | 0.42% |
| 37:V | 6.09% | 0.02% | 0.44% | 4.46% | 0.29% | 5.05% | 0.05% | 2.21% | 1.11% | 11.25% | 6.34% | 0.12% | 1.25% | 0.62% | 1.06% | 0.78% | 1.83% | 56.94% | 0.09% | 0.01% |
| 38:R | 0.11% | 0.97% | 0.04% | 0.15% | 0.03% | 2.15% | 0.69% | 0.05% | 0.41% | 0.81% | 0.01% | 0.09% | 2.54% | 1.48% | 87.31% | 0.62% | 0.15% | 0.05% | 2.31% | 0.03% |
| 39:Q | 0.13% | 0.01% | 0.06% | 1.76% | 0.01% | 0.22% | 1.38% | 0.01% | 1.37% | 2.42% | 0.05% | 0.09% | 3.87% | 80.41% | 7.72% | 0.16% | 0.12% | 0.09% | 0.14% | 0.02% |
| 40:A | 85.28% | 0.05% | 0.86% | 0.36% | 0.04% | 2.63% | 0.02% | 0.17% | 0.04% | 0.06% | 0.01% | 0.11% | 1.55% | 0.00% | 0.06% | 1.61% | 4.50% | 2.61% | 0.00% | 0.02% |
| 41:P | 1.03% | 0.12% | 0.06% | 0.01% | 0.12% | 0.10% | 1.14% | 0.11% | 0.01% | 3.20% | 0.01% | 0.05% | 86.04% | 0.39% | 2.24% | 3.26% | 1.89% | 0.16% | 0.01% | 0.04% |
| 42:G | 1.37% | 0.13% | 0.59% | 3.40% | 0.01% | 81.94% | 0.04% | 0.11% | 0.24% | 0.13% | 0.02% | 0.06% | 0.17% | 0.14% | 10.12% | 0.64% | 0.29% | 0.55% | 0.05% | 0.01% |
| 43:Q | 0.20% | 0.14% | 0.79% | 1.66% | 0.13% | 0.31% | 25.79% | 0.25% | 1.14% | 5.42% | 0.03% | 1.67% | 5.81% | 44.90% | 9.84% | 0.66% | 0.37% | 0.29% | 0.02% | 0.58% |
| 44:G | 1.14% | 0.31% | 1.21% | 3.28% | 0.01% | 86.12% | 0.04% | 0.06% | 0.14% | 0.12% | 0.06% | 0.05% | 0.08% | 0.09% | 4.68% | 0.81% | 0.16% | 1.05% | 0.55% | 0.02% |
| 45:L | 0.31% | 0.15% | 0.08% | 0.03% | 2.86% | 0.11% | 1.49% | 2.04% | 0.02% | 69.13% | 0.08% | 0.10% | 16.71% | 0.30% | 2.13% | 0.72% | 0.49% | 3.21% | 0.01% | 0.05% |
| 46:E | 5.20% | 0.05% | 18.85% | 48.23% | 0.07% | 9.61% | 0.75% | 0.17% | 4.58% | 0.71% | 0.41% | 0.75% | 0.65% | 4.30% | 1.03% | 0.42% | 1.07% | 2.85% | 0.10% | 0.20% |
| 47:W | 0.36% | 8.84% | 0.19% | 0.65% | 0.60% | 5.77% | 0.19% | 0.10% | 0.58% | 2.56% | 0.22% | 0.14% | 0.38% | 0.21% | 11.58% | 4.77% | 0.39% | 0.44% | 61.15% | 0.90% |
| 48:M | 2.48% | 0.01% | 0.05% | 1.49% | 0.16% | 1.18% | 0.02% | 4.30% | 5.70% | 15.20% | 34.35% | 0.15% | 1.18% | 0.66% | 6.59% | 0.77% | 9.11% | 16.41% | 0.19% | 0.00% |
| 49:G | 9.92% | 0.12% | 5.57% | 17.89% | 0.08% | 43.91% | 0.22% | 0.94% | 2.09% | 0.89% | 0.18% | 0.59% | 1.15% | 0.66% | 8.53% | 1.47% | 2.63% | 3.00% | 0.10% | 0.07% |
| 50:W | 0.28% | 6.82% | 0.26% | 0.59% | 0.79% | 8.05% | 0.61% | 0.11% | 0.35% | 4.32% | 0.17% | 0.23% | 0.90% | 0.66% | 16.37% | 5.24% | 0.27% | 0.48% | 52.25% | 1.26% |
| 51:I | 1.08% | 0.13% | 0.29% | 0.09% | 2.23% | 0.42% | 0.11% | 60.02% | 0.69% | 7.21% | 3.49% | 1.38% | 0.58% | 0.05% | 2.18% | 2.90% | 6.31% | 10.74% | 0.03% | 0.04% |
| 52:N | 0.86% | 0.88% | 6.43% | 1.59% | 0.45% | 1.48% | 5.75% | 3.58% | 14.85% | 0.86% | 0.65% | 37.41% | 0.85% | 1.18% | 5.32% | 7.54% | 7.41% | 0.65% | 0.09% | 2.17% |
| 53:P | 3.88% | 0.58% | 0.19% | 0.07% | 0.75% | 0.31% | 1.51% | 0.52% | 0.03% | 4.36% | 0.04% | 0.19% | 71.24% | 0.30% | 2.95% | 7.64% | 4.50% | 0.72% | 0.04% | 0.19% |
| 54:N | 1.62% | 0.93% | 15.09% | 2.42% | 1.18% | 2.38% | 6.97% | 4.68% | 8.05% | 1.51% | 0.56% | 30.91% | 0.73% | 1.51% | 6.22% | 6.20% | 5.03% | 1.43% | 0.09% | 2.49% |
| 55:S | 0.96% | 6.27% | 1.24% | 0.19% | 0.66% | 8.29% | 1.25% | 3.49% | 1.13% | 0.58% | 0.17% | 6.33% | 0.91% | 0.18% | 13.51% | 44.32% | 8.94% | 0.60% | 0.33% | 0.66% |
| 56:G | 7.19% | 3.23% | 9.87% | 1.57% | 0.48% | 57.23% | 1.16% | 0.70% | 0.18% | 0.62% | 0.02% | 1.31% | 0.76% | 0.16% | 4.37% | 6.52% | 1.14% | 2.69% | 0.21% | 0.60% |
| 57:G | 8.18% | 0.84% | 14.34% | 3.61% | 0.21% | 58.29% | 0.54% | 0.33% | 0.18% | 0.36% | 0.02% | 0.46% | 0.34% | 0.11% | 4.51% | 1.05% | 0.53% | 5.60% | 0.07% | 0.41% |
| 58:T | 6.55% | 0.04% | 0.19% | 1.60% | 0.11% | 1.09% | 0.06% | 4.91% | 2.50% | 1.35% | 0.81% | 0.54% | 5.94% | 0.24% | 7.95% | 6.43% | 58.66% | 1.00% | 0.02% | 0.02% |
| 59:N | 0.91% | 1.40% | 12.55% | 2.55% | 1.17% | 1.40% | 10.50% | 4.23% | 8.87% | 1.48% | 0.76% | 27.87% | 1.14% | 1.88% | 3.78% | 6.56% | 6.04% | 1.08% | 0.12% | 5.71% |
| 60:Y | 0.61% | 13.51% | 3.45% | 0.58% | 14.29% | 0.77% | 7.90% | 0.62% | 0.44% | 3.65% | 0.04% | 3.55% | 1.89% | 0.86% | 1.63% | 17.73% | 0.99% | 0.48% | 0.63% | 26.38% |
| 61:A | 32.25% | 0.08% | 1.42% | 10.06% | 0.21% | 3.65% | 0.18% | 1.70% | 1.11% | 2.38% | 0.24% | 0.18% | 12.55% | 0.89% | 1.89% | 9.96% | 18.87% | 2.29% | 0.05% | 0.05% |
| 62:Q | 0.44% | 0.04% | 0.76% | 8.24% | 0.03% | 0.87% | 4.22% | 0.06% | 3.03% | 4.90% | 0.29% | 0.20% | 4.13% | 62.32% | 8.83% | 0.29% | 0.26% | 0.61% | 0.32% | 0.15% |
| 63:K | 1.26% | 0.07% | 1.23% | 6.15% | 0.07% | 1.47% | 0.64% | 2.74% | 44.36% | 0.78% | 4.06% | 10.72% | 0.57% | 2.65% | 9.62% | 2.36% | 10.07% | 0.79% | 0.23% | 0.15% |