	A 5.27% 4.64%	<b>C</b> 0.02% 0.02%	D 6.15% 0.17%		<b>F</b> 0.02% 0.30%	<b>G</b> 5.33% 3.10%		l 0.06% 2.56%	K 4.83% 0.48%			<b>N</b> 0.43% 0.03%		<b>Q</b> 4.90% 0.11%		<b>S</b> 0.24% 0.20%	<b>T</b> 0.40% 0.75%	V 5.30% 69.41%	W 0.18%	<b>Y</b> 0.230
2:V 3:Q 4:L	0.08% 0.83%	0.02% 0.05% 0.02%	0.17% 0.26% 0.02%	1.24% 0.46%	0.04%				5.17%	2.95%		0.98%		69.87%		0.20% 0.19% 1.07%	0.28%	09.41% 0.10% 13.61%	0.29%	0.00 <sup>4</sup> 0.16 <sup>4</sup> 0.00 <sup>4</sup>
6:E	5.73% 5.35%	0.00%		73.59%	<mark>6</mark> 0.00%		0.14%	0.03%	0.38% 4.06%	0.23%	0.26%	0.18%		1.70%		0.08%	0.45%	2.26%	0.03%	0.000
7:S 8:G	1.80% 0.60% 2.58%	2.00% 0.01%	0.03% 0.13% 0.41%	2.57%	2.04% 0.00%			0.00%		0.05%	0.03%	0.00%	4.14% 0.02% 0.24%	0.06%	2.71%	0.04%	1.57% 0.05% 1.08%	0.07% 0.65% 0.84%	0.77%	0.63
	2.58% 10.78% 0.12%		0.41% 26.28% 0.00%	0.76%		52.37%		0.20%	0.04%		0.01%	0.37%			0.63%	0.80% 6.17%	1.08% 0.51% 0.07%	5.70%	0.02% 0.03% 2.93%	0.00 <sup>0</sup> 0.16 <sup>0</sup> 0.02 <sup>0</sup>
.2:V .3:K	7.12% 0.44%	0.01% 0.01%	0.71%	7.39%	0.36% 0.01%		0.04%	15.62%	1.09% 54.99%	16.43%	2.26%	0.11%	1.13%	0.40%	1.29% 11.10%	0.78%	1.84% 3.93%			0.01 <sup>0</sup> 0.03 <sup>0</sup>
.4:P .5:G	3.90% 0.46%	0.28% 0.01%	0.04% 0.08%	2.03%	-	93.20%			0.07%	0.04%		0.00%	76.89% 0.02%	0.04%	2.68%	10.13% 0.04%	0.04%	0.20% 0.53%		0.06
	1.54% 2.17%	0.02% 2.57%	0.10%	0.00%	0.00%	0.08%	0.13%	0.07%	0.01%	0.43%	0.00%	0.14%	0.09% 5.01%	0.00%	0.10%	84.50%	1.05%	0.09%	0.48% 0.08%	0.00
	0.12% 0.14% 0.16%	0.03% 0.06% 0.09%	0.03% 0.02% 0.05%	0.01% 0.24% 0.00%		6.00%	1.30% 0.01% 1.35%		1.69%		0.06%	0.14%	15.16% 0.08% 6.13%	0.08%		0.23% 1.58% 0.20%	0.13% 1.35% 0.11%		0.07%	0.02 0.00 0.03
	2.85%	1.81% 67.32%	0.07%		1.93%		0.18%		0.01%	0.64%		0.08%	7.71%		0.15% 4.75%	81.76%	1.23%		0.08% 2.54%	1.22
23:A	81.83% 76.33%	0.01%		3.00% 0.30%	0.02%		0.01%		0.15%	0.29%	0.04%	0.02% 0.11%	2.42%	0.04%	0.16%	3.24% 0.63%		0.86% 9.57%	0.00%	0.01
	1.50% 5.07%		1.34%	11.83%	2.20% 0.02%	72.25%			0.59%		0.02%	0.09%	5.45% 0.32%	0.27%	4.76%	84.83% 0.24%	0.66%	0.13%	0.08% 0.02%	0.77
		2.50% 0.16% 3.15%	0.11%	0.01%	66.09% 0.19% 67.83%	0.21%	0.08%	2.65%	0.05%	0.16%	0.06%	1.23%		0.00%		8.58%	74.40%	2.63% 0.29% 2.70%		0.05
80:S	0.10% 1.06% 0.87%	2.45%		0.13%	0.45%	3.46%		8.18%		0.59%	0.37%	15.73%	0.34% 1.09% 0.42%	0.14%	7.34%		15.25%		0.10%	0.49 2.79
32:A	79.25%		2.05%		0.07%		0.03%	0.29%	0.01%	0.17%	0.02%	0.07%	2.13% 0.13%	0.00%	0.04%	1.58% 1.46%	5.00%	6.45%		0.02
85:S	0.95% 0.92%	0.00% 1.10%	1.52%		0.11%	4.39%	0.74%	4.62%		0.25%	0.67%	17.95%	0.44%	0.12%		32.36%	12.64%	0.42%	0.16%	0.24
	4.99%		1.05%	0.07%	0.50%	2.21%	0.01%	2.16%	0.01%	0.90%	0.07%	0.04%		0.00%	0.02%	0.08%		87.61%		0.01
	0.05% 0.05% 49.74%	3.16% 0.00% 0.12%		1.43%	0.00%	1.83% 0.06% 1.41%		0.00%	0.00% 0.94% 0.02%	1.74%	0.04%	0.01%	0.92% 4.73% 11.67%	85.78%		0.04%	0.01% 0.12% 26.60%		0.07% 0.01% 0.00%	0.12 0.01 0.02
1:P 2:G	1.78% 1.56%	0.01% 0.04%	0.00%	0.06%	0.01%	0.02% 85.53%	0.25%	0.05%	0.01%	4.07%	0.01%	0.00%	89.65% 0.06%	0.75%	0.82%	1.84% 0.17%		0.08% 2.11%		
I3:K I4:G	0.27% 0.49%	0.00% 0.11%	0.06% 0.24%	7.70% 0.83%	0.00% 0.00%	0.27% 94.20%	0.05% 0.00%	0.05% 0.01%	76.54% 0.03%	0.16% 0.03%	0.95% 0.03%	0.76% 0.02%	0.18% 0.01%	6.44% 0.01%	4.02% 2.75%	0.13% 0.44%	2.26% 0.03%	0.14% 0.42%	0.02% 0.36%	0.01 0.00
	0.08% 5.12%		13.59%	63.41%		7.38%	0.34%	0.07%	3.72%	0.23%	0.22%	0.83%	4.26% 0.20%	1.60%		0.11% 0.13%	0.05% 0.48%	1.36% 2.12%		0.00
	0.06% 2.26% 1.13%		0.02% 0.69% 2.51%	0.12%	0.13% 2.69% 0.01%	1.09%	0.11%	22.87%		12.21%	0.44%	0.26%		0.01%	8.63% 0.14% 0.73%	1.77% 0.57% 1.26%	0.05% 1.84% 0.05%		78.66% 0.00% 0.02%	
50:R 51:I	0.06% 1.26%	0.62% 0.32%	0.08% 0.38%	0.01%	0.01% 0.11% 10.18%	0.20%	19.48%	0.08%	0.02%	7.77%	0.00%		19.85%	1.60%	49.01%	0.48%	0.21%	0.06%	0.03%	0.02
52:K 53:S	0.80% 0.52%	0.04% 3.29%	1.53% 1.17%	11.03% 0.20%	0.07% 0.46%	1.01% 9.62%	0.86% 1.06%	4.06%	47.33% 2.07%	0.43%	0.17%	7.85% 9.78%		0.13%	12.14% 33.82%	25.70%	5.15%	0.48% 0.69%	0.03% 0.23%	0.21
55:T	0.43% 3.79%	0.03%	0.62%	0.05%	0.96%	1.15%		11.38%	52.88% 0.22%	1.47%	0.22%		3.08%	0.05%		13.78%	54.11%		0.01%	0.24
-		2.16%			0.44% 0.17%	72.00%	0.55%	0.32%	0.06%	0.20%	0.00%	0.72%		0.05%			0.78%			0.29
59:T	3.18% 9.93%	0.00%	0.21%	0.14%	0.01%	0.09%		1.22%	1.25%	0.09%	0.12%	0.16%	2.98% 10.51%	0.04%	1.42%	3.26%	85.94% 51.66%	0.08%	0.00%	0.00
	1.56%	0.04% 11.53%		6.86%	0.03%	2.60% 0.64%	0.61% 7.23%		0.19%	0.04% 1.38%		0.94%	0.03%	0.13% 0.25%	0.04% 0.72%	0.08% 7.50%	0.07% 0.31%	0.73% 0.11%		
64:A	41.06% 60.81%	0.02%	2.53% 0.89%	9.95%	0.03%	6.12% 2.68%	0.03%		0.45%	0.66%	0.09%	0.07%	9.16% 6.26%	0.29%	0.26% 0.45%	3.54%	22.07% 11.08%	2.11%	0.01%	0.01
65:P 66:V 7:K	1.44% 3.98% 0.46%	0.11% 0.00% 0.01%		2.84%	0.09%	0.14% 2.80% 0.53%	0.01%	0.85%		10.33%	6.23%	0.01%	83.37% 0.28%		0.50%	3.16% 0.14%		0.30%		0.00
68:G 69:R	0.40% 1.89% 0.48%		4.57% 0.06%	0.19%	0.03%	86.82%	0.11%		0.01%	0.04%		0.15%		0.01%	0.85%	0.76%	0.73% 0.09% 3.30%	0.11% 3.89% 0.22%	0.01%	
70:F	0.13% 6.67%	2.40% 0.11%	0.09% 0.14%	0.01%	65.85%			1.45%		21.48%	0.06%	0.10%	0.67% 4.57%	0.01%	0.35%	3.44%	0.09%	2.59%	0.09% 0.00%	0.84
	0.55% 2.03%	0.13%	0.15% 0.01%				0.01%	0.05%	0.44% 0.01%	2.72%	0.01%	0.00%	5.35%		0.07%	1.92% 87.97%	1.01%	0.11%	0.01% 0.06%	0.03
′5:D	0.18% 2.12% 3.26%		59.93%	0.31% 6.80% 3.75%	0.29%	4.16% 5.50% 5.80%		0.74%	0.65%	0.34%	0.01%	9.95%	0.28% 0.50% 0.44%	0.59%	84.66% 0.57% 0.54%	4.30% 1.84% 1.59%	1.07%	0.08% 1.62% 1.55%	0.23% 0.00% 0.01%	-
-	2.18% 0.83%	0.34%	0.03%	0.41%		0.10%	0.01%	0.18%	0.33%	20.33%	0.02%		3.21%	0.05%	0.14% 10.99%	69.77%		0.40% 0.61%	0.15%	0.16
'9:N	0.50% 6.36%	0.65% 0.03%	8.06% 0.04%			0.99% 0.26%			7.41%	0.38%		52.00%	0.22% 4.60%	0.57%		5.88%		0.57%	0.01% 0.08%	3.70 0.01
81:L 82:Y		0.04% 19.17%	0.05% 4.06%	0.16%	10.35%		7.86%	0.57%	_	1.15%	0.01%	5.51%		0.25%	1.59% 0.85%		0.46%	0.27%	0.17% 0.34%	
4:Q	0.60%	0.03%	0.02%	5.04%	0.03%		0.17% 11.12%		16.89%	1.81%	0.08%	4.80%		46.92%		0.63%	1.32%	10.02% 0.14%	0.03%	0.01
-	0.62% 0.33% 0.25%			0.41%	0.13%		3.59%		8.40%	0.23%		<mark>59.55%</mark>		0.38%		6.10%		0.38%	0.13% 0.01% 0.10%	
88:L 89:K	0.23% 0.09% 0.42%	0.00%	0.23% 0.00% 0.67%	0.06%	0.09%		0.09%	0.13%		87.57%	0.58%		4.50%	2.19%	2.04% 13.12%	0.11%	0.04% 7.34%	0.13% 2.33% 0.22%	0.08% 0.01%	0.02
90:T 91:E	7.17% 3.36%			0.05% 72.01%	0.77% 0.00%			9.13% 0.04%	0.56% 2.64%	0.61% 0.14%	0.39% 0.16%	3.75% 0.28%	3.28% 0.22%	0.02% 3.71%	1.06% 0.49%	11.38% 0.10%	56.74% 0.62%	2.24% 1.23%	0.01%	0.23
)2:D )3:T	3.08% 3.14%	0.01%	0.02%	0.25%	0.02%	3.64% 0.30%	0.01%	0.11% 3.67%	1.66%	0.04%	0.34%	2.48% 0.19%	2.34%	0.06%	0.13% 6.22%	2.75%	78.47%		0.00%	0.00
	51.89% 4.37% 0.31%		9.31% 1.00% 4.25%	3.58%	0.83%	11.13% 2.36% 0.32%		0.85% 4.09% 0.44%	0.29%	0.99% 10.10% 1.34%	0.02% 3.87% 0.01%		0.56%	0.23%	0.08% 0.37% 0.70%	0.75% 0.25% 12.65%		20.86% 67.05% 0.29%	0.01%	0.03 0.01 41.6
97:Y 98:C	0.33%	10.30% 10.47% 60.56%	6.36%	0.12%	7.54% 5.56%	0.53% 0.53% 1.36%	9.94% 0.97%	0.44% 0.23% 0.13%	0.44%	1.58%	0.02%	3.53%	0.52%	0.48% 0.61% 0.05%	0.81%	6.71% 10.77%	0.25%	0.29% 0.27% 0.10%		41.0 49.3 8.73
99:T 00:R	10.01% 0.06%	0.62% 0.77%	0.54% 0.19%	0.04% 0.02%	1.29% 0.16%	1.04% 0.41%	0.13% 21.95%	8.68% 0.05%	0.21% 0.01%	1.16% 6.17%	0.34% 0.00%	1.75% 0.22%	4.62% 9.99%	0.01% 1.07%	<mark>1.36%</mark> 58.04%	11.87% 0.35%	53.45% 0.07%	2.59% 0.15%	0.04% 0.02%	0.25
02:G	8.47% 2.48%		0.01%	7.13%	0.01%	0.16% 77.07%	0.03%	0.32%	0.52%	0.22%	1.64% 0.03%		0.13%		7.26%	0.22%	0.32%	2.78%	0.07%	0.00
04:Y	0.24%	0.06% 9.80% 11.36%	2.54% 5.04%	0.28%	11.72%	0.46%	1.35% 8.31%	0.46%		1.00% 1.85% 1.07%	0.01%	10.53% 3.62%	0.73%	4.32% 0.51% 0.34%	1.02%	2.02% 11.71% 5.72%	0.56%	0.63% 0.30% 0.22%	0.01% 0.26% 0.12%	
06:D	0.26% 4.43% 0.25%		47.00%	5.60%		5.93%	13.68%		0.51%	1.07% 0.60% 9.95%	0.01%	10.47%	0.40%	0.34%	0.94%	5.72% 2.06% 8.37%		0.22% 1.13% 2.04%	0.01%	
)8:W	0.23% 0.06% 0.54%	2.36% 2.00%	0.02%	0.16%	0.16%	3.79% 6.30%	0.02%	0.00% 7.32%	0.07%		0.02%	0.01% 5.78%	0.07%	0.06%		1.10%	0.06%		83.50% 0.05%	
11:Y	6.95% 0.31%	9.89%	3.77%		9.74%	0.38%	9.84%	0.26% 0.23%	0.05%	0.26%	0.00%	2.62%	0.83%	0.24%	2.17% 1.15%	4.61% 9.72%	0.24%	2.37% 0.23%		0.37 49.1
13:P	3.97% 4.53% 5.24%	0.01%	0.00%	0.04%	0.00%				0.03%		0.05%	0.00%	82.95% 80.20%	0.20%		3.97% 9.60%	4.29%	0.34%	0.27%	0.00
15:E	5.24% 2.54% 1.92%	0.02%		67.33%	-	75.63% 5.29% 3.74%	0.45%	0.38%	6.54%	0.19% 0.29% 0.15%	0.02% 0.03% 0.02%	0.86%		3.04%	1.21%	0.37% 0.26% 0.16%	0.48% 0.52% 0.57%	1.11% 1.01% 0.79%	0.02% 0.00% 0.00%	
17:Y	0.16%	10.77%	5.44%	0.15%	7.08% 61.88%	0.66%	6.93%	0.22%	0.44%	1.42%	0.02%	4.55%	0.34%	0.18%	0.71%	6.22%	0.25%	0.22%	0.44%	53.7
L9:Q 20:H	0.11% 0.90%	0.05% 0.83%	0.22% 5.55%	1.20% 0.37%	0.03% 0.69%	0.11% 0.36%	9.36% <mark>34.42%</mark>	0.03% 1.06%	1.16% 4.53%	3.10% 4.53%	0.05% 0.16%	<mark>0.26%</mark> 21.21%	3.76% 4.88%	74.55% 4.05%	5.12% 5.25%	0.19% 3.48%	0.14% 2.36%	0.10% 0.42%	0.12% 0.07%	0.35 4.87
21:W 22:G	0.02% 1.22%	0.84% 0.40%	0.00% 2.30%	0.03% 0.09%	0.02% 0.00%	3.46% <mark>93.78%</mark>	0.00% 0.02%	0.00% 0.02%	0.01% 0.01%	0.77% 0.01%	0.01% 0.00%	0.00% 0.07%	0.03% 0.01%	0.01% 0.00%	5.08% 0.54%	0.77% 0.56%	0.01% 0.03%	0.02% 0.92%	88.88% 0.01%	0.04
24:G	5.16%	0.26%	15.45%	1.84%	0.00%	25.55%	0.13%	0.45%	0.11%	0.30%	0.03%	0.41%	0.06%	0.02%	1.47%	0.71%	0.16%	47.73%	0.01%	0.07
26:L	0.08%	0.00%	0.00%	0.05%	0.19% 0.07% 0.91%	0.06%	0.07%	0.07%	0.02%	78.33%	0.72%	0.00%	3.81%	1.60%	13.36%	0.13%	0.05%	1.49%	0.08%	0.00
28:T	6.23%	0.11%	0.21%	0.01%	0.91% 0.18% 0.76%	0.29%	0.07%	3.42%	0.11%	0.25%	0.06%	1.28%	4.68%	0.00%	0.35%	6.36%	75.68%	0.65%	0.00%	0.06
		1.77%	0.07%	0.00%	1.92%	0.08%	0.17%	0.06%	0.01%	0.65%	0.00%	0.08%		0.00%	0.14%	81.78%	1.23%	0.15%	0.15%	1.21