1:Q	<b>A</b> 0.78%	<b>C</b> 0.04%	<b>D</b> 0.72%	<b>E</b> 6.09%	<b>F</b> 0.05%	<b>G</b> 0.79%	<b>H</b> 5.22%	<b>I</b> 0.15%	<b>K</b> 6.15%	L 7.24%	<b>M</b> 0.64%	N 0.65%	<b>P</b> 6.79%	<b>Q</b> 54.38%	<b>R</b> 7.56%	<b>S</b> 0.52%	<b>T</b> 0.78%	<b>V</b> 0.77%	<b>W</b> 0.37%	<b>Y</b> 0.32%
2:V 3:Q 4:L	6.15% 0.21% 1.49%	0.05% 0.15% 0.05%	0.36% 0.56% 0.06%	2.03%	0.62% 0.10% 1.16%			0.24%	7.03%	4.37%	6.89% 0.20% 6.67%	1.76%	0.49% 3.55% 3.06%	57.44%	6.91%	0.50%	0.65%	58.25% 0.26% 15.46%	0.55%	0.01% 0.30% 0.01%
4:L 5:V 6:Q	5.95% 0.46%	0.04%	0.39% 0.27%	4.56%		4.37%		3.59%	0.93%	10.34%	6.77%	0.09%	0.66% 7.38%	0.32%	0.90%	0.46%	1.64%		0.08%	0.01%
7:S 8:G	0.94%	3.04% 0.02%	0.17%	4.08%	0.00%	88.22%	0.01%	0.01%	0.16%	0.12%	0.07%	0.01%	5.96% 0.05%	0.13%	3.68%	80.49% 0.08%	0.11%	1.00%	0.14%	0.00%
9:A 10:E 11:V	54.59% 4.11% 7.14%	0.02%		63.31%	0.02%		0.59%		4.00%	0.42%		0.60%	0.50%	4.70%	0.81%	5.22% 2 0.25% 0 0.48% 0	0.76%		0.06%	0.04% 0.16% 0.00%
12:K 13:K	0.63%	0.02% 0.01%	0.37%	6.56%	0.01%	1.60%		0.64%	55.23%	0.59%	6.10%	1.44%	0.34%	3.61%	15.20%	0.52%	6.13%	0.65%	0.34%	0.04% 0.02%
15:G	5.15% 0.63% 88.63%	0.50% 0.02% 0.01%		2.91%	0.00%	90.18%		0.01%	0.13%	0.09%	0.05%	0.01%	0.04%	0.09%	3.74%	14.01% 0.07% 1.14%	0.08%	0.35% 0.75% 1.86%	1.09%	0.00%
17:S 18:V	1.90% 3.77%	0.26% 0.01%	0.02% 0.30%	0.14% 3.93%	0.35% 0.17%	0.07% 3.68%	0.02% 0.02%	0.08% 1.42%	0.02% 0.30%	2.90% 12.41%	0.01% 6.52%	0.01% 0.02%	7.83% 0.46%	0.06% 0.23%	0.16% 0.49%	84.31% 0.24%	1.54% 0.60%	0.08% 65.34%	0.14% 0.08%	0.10% 0.00%
19:K 20:V 21:S	10.31%	0.03% 0.27% 9.04%	5.60%	0.43%	4.45%	5.65%		13.30%	0.13%	7.93%	0.59%	1.11%	0.25% 2.41% 3.73%	0.03%	0.35%	1.19% 2.34% 57.25%	5.89%		0.01%	
22:C 23:K	0.37% 2.17%	<mark>55.52%</mark> 0.02%	1.00% 0.19%	0.06% 7.32%	3.65%	3.26%	2.07%	0.12% 0.28%	0.10% 36.46%	1.57% 0.93%	0.01% 5.87%	0.86% 0.80%	0.84%	0.10%	3.65%	9.91% 1.30%	0.24% L9.55%	0.19% 0.81%	5.21%	
24:A 25:X 26:X	67.81% 0.00% 0.00%	0.00%	0.00%	0.00%	0.04% 0.00% 0.00%		0.02% 0.00% 0.00%	0.00%	0.37% 0.00% 0.00%	0.00%	0.00%	0.00%	4.46% 0.00% 0.00%		0.00%		L0.02% 0.00% 0.00%	0.00%	0.01% 0.00% 0.00%	
27:X 28:X	0.00%	0.00%	0.00%		0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%		0.00%	0.00%	0.00%
29:X 30:X 31:X	0.00%	0.00% 0.00% 0.00%		0.00%	0.00%	0.00%	0.00% 0.00% 0.00%	0.00%	0.00% 0.00% 0.00%	0.00%		0.00%		0.00%		0.00%	0.00% 0.00% 0.00%		0.00% 0.00% 0.00%	0.00% 0.00% 0.00%
32:G 33:Y	5.74%	0.06%	3.36%			65.43%		0.39%	0.77%		0.04%		0.59%	0.42%		0.55%	0.00% 1.08% 0.85%	2.18% 0.62%	0.05%	0.05% 26.83%
34:T 35:F	11.17% 0.21% 8.94%	0.32% 4.38% 0.21%	0.41% 0.10% 0.30%	0.01%	0.52% 61.03% 0.40%			5.58% 0.90% 5.26%	0.01%	22.69%	0.66% 0.08% 0.31%	0.08%	8.03% 0.97% 6.35%	0.03%	0.87% 0.35% 1.43%		0.10%	1.29% 2.39% 1.09%	0.21%	0.20% 1.13% 0.11%
36:T 37:S 38:Y	1.24%	2.51% 12.38%	1.57%	0.22%	0.40% 0.41% 8.65%	4.93%	1.33% 11.18%	3.85%	2.77%		0.49%		0.93%	0.21%	22.08%	7.85% 6 32.28% 1 10.16%	LO.08%		0.01% 0.32% 0.67%	0.83% 36.73%
39:Y 40:M	1.79%	12.82% 0.15%	0.11%	0.81%	3.99%	0.93%		16.17%	1.72%	28.07%	<mark>16.05%</mark>	0.26%	2.32%	0.45%	3.08%	17.21% 2.25%	6.50%		0.54%	0.03%
41:H 42:W 43:V	0.82% 0.05% 5.53%	0.76% 5.22% 0.01%		0.10%	0.94% 0.18% 0.21%	0.38% 5.23% 4.35%	0.05%			1.15%		0.02%	9.24% 0.10% 0.89%	7.89% 0.05% 0.46%	7.30%	1.56%	1.44% 0.03% 1.35%	0.77% 0.05% 62.66%	0.13% 78.50% 0.06%	2.78% 0.32% 0.00%
44:R 45:Q	0.07% 0.10%	0.68% 0.00%	0.02% 0.04%	0.11%	0.02% 0.00%	1.63% 0.16%	0.51% 1.18%	0.03% 0.00%	0.32% 1.17%	0.66% 2.01%	0.01% 0.03%	0.06% 0.06%	2.12% 3.25%	1.37% 83.72%	90.02% 6.46%	0.43% 0.11%	0.10% 0.08%	0.03% 0.06%	1.79% 0.10%	0.02% 0.02%
46:A 47:P 48:G	87.80% 0.92% 1.19%	0.03% 0.09% 0.08%					0.02% 1.01% 0.02%	0.08%		2.75%		0.04%	88.15%		1.93%	2.76%	3.81% 1.61% 0.21%	2.20% 0.11% 0.46%	0.00% 0.01% 0.04%	0.01% 0.03% 0.01%
49:Q 50:G	0.15% 0.93%	0.09% 0.23%	0.58% 0.89%	2.90%	0.01%	88.82%	25.40% 0.02%	0.04%		0.09%	0.04%	0.03%	4.90% 0.06%	0.07%	3.72%	0.62%	0.27% 0.11%	0.23% 0.86%		0.47% 0.01%
51:L 52:E 53:W	0.22% 4.65% 0.26%	0.11% 0.03% 8.15%		<mark>6</mark> 53.99%	2.54% 0.04% 0.48%		1.27% 0.58% 0.13%		0.01% 4.39% 0.47%		0.33%	0.58%	14.33% 0.47% 0.28%	3.98%	1.76% 0.77% 10.44%	0.28%	0.34% 0.82% 0.27%	2.86% 2.46% 0.33%	0.00% 0.07% 66.11%	0.04% 0.14% 0.72%
54:M 55:G	1.91% 4.05%	0.06%	0.02% 2.58%	9.69%			0.01% 0.09%		1.01%	0.42%	42.09% 0.08%	0.27%		0.26%	5.77% 11.26%	0.50% 0.55%	8.25% 0.88%	4.50%	0.05%	0.00%
56:I 57:I 58:N	1.11% 1.50% 0.60%	0.06% 0.35% 0.68%		0.09%	1.63% 6.91% 0.35%			42.06%	3.67% 0.46% 14.72%	12.79%	2.53%					2.90%		11.14% 19.12% 0.47%		0.04% 0.18% 2.13%
59:P 60:S	3.53% 1.14%	0.39% 7.52%	0.13% 1.53%	0.04% 0.21%	0.52% 1.03%	0.21% 10.74%	1.31% 0.98%	0.36% 4.05%	0.02% 0.74%	3.53% 0.99%	0.02% 0.15%	0.14% 4.99%	75.96% 0.97%	0.19% 0.13%	2.37% 13.88%	6.68% 44.05%	3.93% 4.94%	0.52% 0.89%	0.02% 0.41%	0.13% 0.67%
61:G 62:G 63:S	6.96% 13.73% 1.48%	2.88% 1.59% 2.26%	9.57% 16.86% 2.71%	<mark>6</mark> 3.41%	0.66%	61.54% 41.49% 10.90%	1.90%	0.55% 0.98% 5.92%	0.29%	0.45% 0.98% 1.39%	0.06%	1.10% 2.19% 9.02%	1.07%		3.60% 3.02% 33.61%		0.92% 2.02% 6.08%	2.46% 4.73% 2.01%	0.15% 0.19% 0.52%	0.51% 0.92% 0.96%
64:T 65:S	6.37% 1.31%	0.03% 2.82%	0.14% 3.32%	1.48% 0.51%	0.10% 0.55%	0.96% 7.76%	0.05% 2.68%	4.91% 4.03%	2.39% 2.43%	1.32% 1.01%	0.72% 0.52%	0.42% 10.97%	5.04% 1.11%	0.20% 0.40%	7.43% 20.86%	5.63% <mark>6</mark> 29.89%	61.84%	0.93% 1.10%	0.02% 0.72%	0.01% 1.36%
66:Y 67:A 68:Q	0.36% 36.12% 0.32%	13.44% 0.02% 0.02%		9.84%	7.97% 0.06% 0.02%	0.76% 3.02% 0.60%	11.28% 0.12% 3.72%	1.23%			0.15%		1.06% 10.42% 3.61%			7.45% 2	0.61% 24.84% 0.18%	0.33% 1.88% 0.43%	0.28% 0.01% 0.20%	37.59% 0.02% 0.12%
69:K 70:F	0.89% 0.49%	0.04% 4.30%	0.94% 0.11%	5.54% 0.03%	0.04% 49.90%	1.08%	0.52% 0.14%		50.17%		4.01%	10.72% 0.11%	0.41% 0.76%	2.51% 0.02%	8.65% 0.38%	1.97%	8.68% 0.47%	0.60% 5.88%	0.17% 0.34%	0.11%
71:Q 72:G 73:R	0.25% 7.37% 0.35%	0.03% 0.32% 0.17%	0.17% <mark>19.16%</mark> 0.09%		0.02% 0.21% 0.02%	0.19% 10.52% 7.74%		0.02% 0.87% 1.42%		2.52% 0.59% 0.19%	0.06%	0.15% 0.72% 0.57%		0.02%	5.91% 0.84% 75.96%	0.73%	0.40% 0.35% 4.62%	0.12% 56.93% 0.15%	0.25% 0.01% 0.11%	0.15% 0.14% 0.02%
74:V 75:T	6.57% 8.88%	0.08% 0.19%	2.62% 0.24%	0.29% 0.03%	1.82% 0.37%	4.70% 0.40%		5.06% 5.12%	0.03% 0.20%	3.99% 0.59%	0.23% 0.19%	0.15% 1.66%	0.42% 6.48%	0.02% 0.01%	0.26% 1.31%	0.39% 7.90%	0.64% 65.12%	72.61% 1.04%	0.00% 0.01%	0.03% 0.09%
76:M 77:T 78:R	1.03% 9.59% 0.10%	0.01% 0.09% 0.21%	0.02% 0.35% 0.04%	0.60% 0.04% 0.17%	0.22% 0.21% 0.01%	0.66% 0.23% 6.29%	0.01% 0.20% 0.04%	3.51% 6.56% 0.23%	0.49%	0.39%	44.26% 0.31% 0.35%	0.17% 3.50% 0.28%	4.52%	0.02%	9.76% 1.60% 82.83%	0.85% 1 4.88% 6 4.16%		8.35% 0.80% 0.06%	0.28% 0.00% 2.33%	0.00% 0.06% 0.01%
79:D 80:T	4.28% 8.32%	0.08% 0.02%		6.117% 9.10% 0.53%	0.06% 0.04%	4.92% 0.33%		0.29% 0.61%	0.90%	0.12% 0.81%	0.02%	3.42% 0.13%	0.12% 6.97%	0.33% 0.10%	0.42% 1.82%	0.47%	0.39% 6.49%	4.05% 1.35%	0.00%	0.43% 0.01%
81:S 82:T 83:S	4.36% 7.90% 0.64%	3.10% 0.02% 1.30%	0.12% 0.02% 1.20%	0.01% 0.42% 0.53%	1.89% 0.04% 0.16%	0.10% 0.41% 6.05%	0.22% 0.01% 0.77%	0.16% 0.70% 4.42%	2.17%	0.50% 0.93% 0.47%	0.01% 4.16% 0.56%		7.74% 6.77% 0.46%		4.66%	77.60% 6.30% ( 24.06%		0.16% 1.09% 2.44%	0.14% 0.19% 0.15%	1.06% 0.01% 0.20%
84:T 85:V	6.76% 5.33%	0.06% 0.09%	0.18% 2.31%	1.31% 0.51%	0.10% 2.46%	1.00% 2.97%	0.05% 0.13%	5.39% 5.73%	2.64% 0.07%	1.34% 9.77%	0.82% 0.74%	0.55% 0.15%	5.29% 0.64%	0.22% 0.04%	7.16% 0.24%	6.03% 6	60.09% 0.64%	0.98% 67.79%	0.02% 0.01%	0.02% 0.04%
86:Y 87:M 88:E	0.62% 1.01% 3.87%	11.08% 0.06% 0.05%	0.06%		0.45%		0.02%	10.21%		14.25%		0.24%	0.62%		14.64%	10.75% 1.96% 0.39%		0.32% 9.30% 1.61%	0.23% 0.48% 0.04%	34.53% 0.01% 0.19%
89:L 90:S	1.18% 0.71%	0.07% 1.35%	0.05% 1.50%	0.82% 0.38%	1.56% 0.19%	0.81% 4.42%	0.10% 0.82%	1.12% 4.40%	0.55% 4.70%	62.60% 0.48%	6.56% 0.62%	0.04% 5.75%	2.42% 0.44%	1.04% 0.22%	<mark>1.60%</mark> 43.97%	2.41% <mark>21.47%</mark>	0.79% 5.15%	15.13% 3.05%	1.13% 0.19%	0.02% 0.20%
91:S 92:L 93:R	0.29% 0.13% 0.92%		0.58% 0.01% 0.31%	0.10%	0.11% 0.19% 0.03%	9.37% 0.08% 4.86%	0.20%	1.07% 0.15% 2.81%		84.07%	0.80%	2.95% 0.01% 2.41%	5.83%	2.95%			2.08% 0.11% 8.64%	0.20% 2.20% 0.36%	0.23% 0.08% 0.09%	0.19% 0.00% 0.03%
94:S 95:E	1.40% 4.11%	11.01% 0.03%	0.36% 11.24%	0.05% 61.24%	11.37% 0.03%	1.29% 8.17%	0.62% 0.62%	0.77% 0.09%	0.02% 4.02%	2.94% 0.40%	0.02% 0.24%	0.39% 0.58%	4.59% 0.48%	0.06% 4.52%	2.66% 0.82%	56.90% 0.25%	1.74% 0.73%	0.82% 2.15%	0.38% 0.07%	2.62% 0.21%
96:D 97:T 98:A	4.61% 8.87% 73.54%	0.01%	0.02%		0.01%	0.30%	1.12% 0.01% 0.05%	0.24% 0.20% 0.46%	1.88%	0.53%	2.19%		0.10% 7.12% 5.06%	0.13%	1.96%	0.40%   6.96%   2.95%			0.16%	0.61% 0.00% 0.02%
99:V 100:Y	5.55% 0.60%	0.04% 11.78%	1.52% 4.88%	4.07% 0.38%	1.33% 12.92%	3.24% 0.61%	0.14% 9.14%	5.39% 0.78%	0.49% 0.45%	13.52% 2.52%	4.23% 0.03%	0.15% 6.15%	1.28% 1.46%	0.44% 0.84%	0.80% 1.30%	0.61% 15.98%	1.78% 1.02%	55.36% 0.57%	0.03% 0.47%	0.02% 28.11%
101:Y 102:C 103:A		11.69% 60.40% 0.01%	0.41%	0.04%	9.42% 5.81% 0.02%	2.08%	11.50% 0.94% 0.01%	0.14%			0.01%		0.84%	1.20% 0.05% 0.10%		12.86%	0.50% 0.27% 5.02%	0.57% 0.13% 4.77%	0.68% 3.60% 0.10%	35.20% 6.34% 0.00%
104:R 105:D	0.85% 1.64%	0.14% 0.55%	0.16% 55.78%	1.09% 4.81%	0.01% 0.44%	11.79% 4.61%	0.10% 8.11%	1.32% 1.46%	4.23% 0.63%	0.19% 0.55%	0.18% 0.04%	0.73% 11.68%	0.48%	0.32% 0.45%	69.14% 0.91%	5.03% 2.96%	3.86% 1.28%	0.23% 1.17%	0.13% 0.01%	0.01% 2.33%
106:P 107:F 108:G	0.37%	0.14% 4.04% 0.10%	0.08% 0.10% 1.02%	0.03%	0.29% 52.88% 0.01%		0.20%	0.20% 3.01% 0.04%		6.88% 24.78% 0.09%			71.01% 1.01% 0.06%	0.03%	1.98% 0.45% 1.95%	6.13%	3.22% 0.34% 0.14%	1.39% 4.80% 0.84%	0.34% 0.29% 0.24%	0.06% 0.76% 0.01%
109:D 110:R	4.41% 0.08%	0.09% 0.07%	77.23% 0.01%	6 2.08% 0.17%	0.06% 0.00%	4.66% 6.59%	1.41% 0.01%	0.26% 0.07%	0.39% 1.23%	0.10% 0.07%	0.02% 0.39%	3.15% 0.09%	0.10% 0.05%	0.18% 0.06%	0.22% 86.95%	0.35% 1.45%	0.31% 0.89%	4.51% 0.06%	0.00% 1.75%	0.47% 0.00%
112:P		0.03% 0.03% 12.93%	0.87% 0.02% 4.80%	0.00%	0.03% 0.10% 8.74%	2.43% 0.02% 0.69%		0.06%	0.00%	2.56%	0.00%		1.84% 91.52% 1.21%		1.05%		3.38% 0.99% 0.69%	2.59% 0.11% 0.28%	0.00% 0.00% 0.57%	0.01% 0.02% 36.78%
114:Y 115:Y	0.39% 0.39%	12.65% 12.65%	4.04% 4.12%	0.24% 0.24%	9.16% 9.18%	0.93% 0.91%	9.88% 9.87%	0.32% 0.33%	0.59% 0.60%	3.15% 3.18%	0.03% 0.03%	4.21% 4.23%	1.00% 1.01%	0.50% 0.51%	1.34% 1.35%	10.68% 10.66%	0.57% 0.57%	0.31% 0.30%	0.60% 0.61%	39.40% 39.26%
117:Y	0.43%	12.46%	4.19%	0.21%	6.60%	0.97%	10.20%	0.31%	0.41%	1.87%	0.02%	4.34%	1.02%	0.48%	1.51%	10.64% 11.82% 1.96%	0.66%	0.23%	0.26%	<mark>42.01%</mark>
119:D 120:V	6.98% 6.63%	0.13% 0.06%	66.21% 2.33%	0.15%	0.07% 1.68%	14.24% 2.95%	1.15% 0.09%	0.20% 4.62%	0.42% 0.05%	0.11% 5.36%	0.01% 0.58%	2.26% 0.12%	0.17% 0.42%	0.11% 0.02%	0.25% 0.14%	0.58% 0.30%	0.40% 0.62%	2.44% <mark>73.85%</mark>	0.00% 0.00%	0.41% 0.03%
121:W 122:G	0.04% 7.33%	3.24% 0.18%	0.02% 19.17%	0.07% 0.86%	0.11% 0.33%	4.45% 10.36%	0.03% 0.25%	0.00% 1.61%	0.02% 0.13%	1.06% 0.80%	0.02% 0.08%	0.01% 0.67%	0.09% 0.13%	0.05% 0.04%	9.85% 0.57%	1.33% 0.33%	0.03% 0.27%	0.03% 56.79%	79.36% 0.02%	0.19% 0.09%
124:G	2.12%	0.03%	0.42%	11.03%	0.01%	78.71%	0.01%	0.03%	0.34%	0.28%	0.19%	0.02%	0.13%	0.27%	2.45%	1.94%10.14%4.83%	0.21%	3.08%	0.54%	0.01%
126:T 127:V	8.00% 6.76%	0.01% 0.03%	0.04% 2.13%	0.38% 0.28%	0.02% 0.85%	0.26% 1.98%	0.01% 0.05%	0.45% 2.79%	1.61% 0.03%	0.49% 3.17%	1.61% 0.19%	0.15% 0.08%	7.07% 0.35%	0.16% 0.01%	1.68% 0.11%	6.45% 7 0.23%	70.63% 0.60%	0.80% 80.35%	0.15% 0.00%	0.00% 0.02%
129:V	7.10%	0.04%	2.26%	0.23%	1.10%	3.08%	0.08%	2.40%	0.02%	4.37%	0.29%	0.08%	0.32%	0.02%	0.11%	8.59% 6 0.17% 74.68%	0.33%	77.98%	0.00%	0.02%
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