1:Q	A 0.69%	C 0.04%	D 0.64%	E 5.94%	F 0.03%	G 0.69%	H 5.02%	I 0.13%	K 5.93%	L 6.91%	M 0.59%	N 0.60%	P 6.57%	Q 56.54%	R 7.23%	S 0.45%	T 0.71%	V 0.69%	W 0.34%	Y
2:V 3:Q	5.89% 0.18%	0.04%	0.32% 0.48%		0.54%	4.06%	0.02%	3.73%	0.83% 6.77%	9.60%	6.83%	0.08%	0.43%	0.19%	0.80%	0.45%	1.35%	60.30% 0.22%	0.08%	0.00%
4:L 5:V		0.03%		4.37%	0.44%	4.11%	0.03%	3.38%	0.73%	9.93%	6.67%	0.07%		0.28%	0.80%	0.41%	1.46%		0.07%	0.00%
6:Q 7:S 8:G	0.39% 2.39% 0.86%	2.86%	0.06%	0.00%	2.85%	0.10%	0.08%	0.11%	4.46% 0.00% 0.14%	0.54%	0.01%	0.06%	5.62%	0.01%	0.16%	81.71%	2.37%		0.12%	0.81%
	56.73%	0.10%	0.58%	0.06%	0.12%	1.52%	0.12%	0.65%	0.01% 0.01% 3.90%	0.38%	0.01%	0.21%	11.01%	0.01%	0.20%	4.96%	21.67%	1.61%	0.00%	0.04%
11:V 12:K	6.80%	0.01%	0.40%	5.61%	0.16%	5.63%	0.01%	1.68%	0.53% 53.14%	9.78%	8.83%	0.04%	0.30%	0.14%	0.63%	0.41%	0.99%	57.87%	0.18%	0.00%
13:K 14:P	4.95%		0.06%	0.02%	0.45%	0.14%	0.55%	0.22%	57.33% 0.04%	1.66%	0.02%	0.18%		0.10%	1.30%	13.25%	6.65%	0.31%	0.05%	0.10%
	89.38%	0.01%		0.07%	0.02%	1.16%	0.02%	0.09%	0.11% 0.01%	0.03%	0.01%	0.08%	1.74%	0.00%	0.02%	1.06%	3.18%		0.00%	0.01%
17:S 18:V 19:K	1.83% 3.64% 0.36%	0.01%	0.26%		0.15%	3.47%	0.01%	1.28%	0.02% 0.27% 67.75%	11.86%	6.35%	0.02%	0.40%	0.20%	0.42%	0.21%	0.56%	0.08% 67.11% 0.16%	0.07%	0.00%
20:V	10.19%	0.04%	4.10%	0.26%	0.41%	4.91%	0.04%	1.42%	0.04%	1.23%	0.21%	0.12%	0.14%	0.01%	0.06%	0.19%	0.36%		0.00%	0.02%
22:C 23:K		58.46% 0.01%		0.05%	3.49% 0.01%	3.03%	1.75%	0.09%	0.09% 43.99%	1.41%	0.01%	0.78%		0.08%						
25:S	<mark>46.85%</mark> 2.81%	12.44%	0.26%	0.02%	0.15% 10.25%	0.33%	0.41%	0.26%	0.04%	2.15%	0.01%	0.22%	4.37%	0.03%	0.37%	61.26%	1.10%	0.51%	0.51%	2.65%
	5.51% 0.55% 10.76%	9.54%	10.10%	0.83%	7.48%	1.40%	13.46%	0.84%	0.72% 1.08% 0.35%	2.30%	0.04%	9.65%	0.96%	0.75%	1.92%	8.75%	0.79%		0.28%	
29:F 30:T	0.18% 8.04%	4.22%	0.35% 0.08% 0.42%	0.01%	63.23%	0.15%	0.22%		0.01%	21.61%	0.07%	0.07%			0.30%	4.61%	0.08%	2.20%		1.07% 0.11%
31:G 32:Y	11.56%		20.96%	1.44%	0.06%	55.57% 0.52%	0.54%	0.17%	0.08%		0.02%		0.22%	0.06% 0.51%	1.09%		0.46%	5.29%	0.02%	0.16% 41.47%
33:Y 34:M	1.63%	12.51% 0.14%	0.09%	0.75%	13.92% 3.77%	0.85%	0.07%	16.78%	1.66%		17.50%	0.24%	2.14%	0.41%	2.91%		6.42%	14.40%	0.49%	33.11% 0.03%
35:H 36:W	0.74% 0.04% 5.32%	0.68% 4.91%	3.08% 0.02% 0.29%			4.86%			0.02%		0.02%	0.02%	9.02% 0.10% 0.78%		7.73% 6.82%	2.06% 1.43%	1.29% 0.03% 1.22%	0.68% 0.04% 64.63%	0.11% 80.02% 0.06%	
37:V 38:R 39:Q	0.05% 0.09%	0.60%	0.29%	3.85% 0.10% 1.37%		4.11% 1.49% 0.13%		0.02%	0.29%	9.35% 0.65% 1.85%	6.06% 0.01% 0.03%		2.02% 3.01%	1.27%	0.66% 90.78% 6.07%	0.48% 0.39% 0.10%	0.09% 0.07%	04.03% 0.03% 0.05%		0.00% 0.01% 0.02%
40:A 41:P	88.62% 0.87%		0.64% 0.04%	0.25% 0.01%	0.03%	2.06% 0.07%	0.01%		0.02%		0.01%	0.07%	1.26% 88.82%	0.00%	0.03%		3.57% 1.52%	2.04%	0.00% 0.00%	0.01%
42:G 43:Q	1.09% 0.13%	0.07% 0.07%	0.37% 0.53%	2.73% 1.41%	0.07%	0.18%	25.08%	0.17%		4.50%	0.01%	1.31%	4.63%	51.63%		0.40% 0.39%	0.19% 0.24%	0.44% 0.20%	0.03% 0.01%	0.01% 0.43%
44:G 45:L 46:E	0.86% 0.18% 4.46%	0.20% 0.10% 0.02%	0.80% 0.05%	2.72% 0.01% 55.88%	2.44%	89.68% 0.06% 7.97%	1.23%	0.03% 1.66% 0.10%		75.33%	0.04%	0.06%	0.05% 13.50% 0.42%		3.42% 1.65% 0.69%	0.55% 0.42% 0.25%	0.10% 0.28% 0.74%	0.83% 2.73% 2.31%	0.00%	0.01% 0.03% 0.13%
46:E 47:W 48:M	4.46% 0.23% 1.78%	7.99%	0.12%		0.03%	4.63%	0.10%	0.05%	4.34% 0.42% 5.18%	2.18%	0.15%	0.08%	0.42%		10.03%	3.91%	0.24%	0.28%	67.68%	
49:G 50:W	9.13% 0.18%	0.08%					0.13%	0.76% 0.06%	1.61%	0.69% 3.72%	0.11%		0.77%	0.48%	7.79% 14.41%	1.02%	1.85% 0.17%	2.84% 0.30%	0.07%	0.04%
51:l 52:N	0.67% 0.55%	0.61%	0.18% 5.59%	1.12%	1.82% 0.31%	0.27% 0.95%	5.24%	3.02%	0.47% 14.57%	0.52%	0.45%	46.71%			3.76%	2.59% 6.59%	6.15%	8.79% 0.40%	0.02% 0.04%	0.02% 2.08%
53:P 54:N	3.24% 1.08%		0.12%		0.48%	0.19% 1.65%	6.29%	0.34% 4.38%	7.88%		0.42%	40.25%	77.63% 0.45%	1.07%		6.01% 6.03%		0.48%	0.02%	0.12%
55:S 56:G 57:G			8.90%		0.44% 0.30% 0.13%		0.82%		0.84% 0.10% 0.10%		0.01%		0.47%	0.08%		5.87%	0.77%	0.39% 2.25% 4.75%		0.49% 0.45% 0.32%
58:T 59:N	5.83% 0.58%	0.02% 1.07%		1.07%	0.06%		0.03%	4.21%		0.83%	0.56%	0.36%	4.73%		6.60% 2.71%	5.08%	66.96%			0.01%
60:Y 61:A	0.40% 39.09%		3.27% 1.00%	0.42% 9.43%	0.11%	2.95%		0.42% 1.36%	-	2.53% 1.71%	0.02% 0.16%		1.24% 11.52%			15.64% 8.59%		0.29% 1.94%	0.41% 0.03%	<mark>35.44%</mark> 0.03%
62:Q 63:K	0.30%	0.03%	0.52% 0.81%	7.23% 5.43%	0.04%	0.97%			52.70%		4.10%	10.17%		2.43%	8.27%	1.71%	0.16% 8.27%	0.53%		0.09%
64:F 65:Q 66:G			0.43%	6.07%		0.27% 0.76% 11.43%	3.69%	3.82% 0.04% 0.80%	3.67%	3.12%		0.19%	1.66% 6.28% 0.11%	67.43%	5.46%	0.46%	0.53%	3.85% 0.42% 56.59%		0.83%
67:R 68:V		0.25%			0.01%	6.84% 1.98%		0.20% 3.23%	1.20%		0.31%	0.28%			82.19%		1.11%	0.06% 82.16%		
69:T 70:M	8.48% 0.93%	0.17% 0.01%			0.19%	0.60%		4.92% 3.41%	5.48%	12.27%		0.15%	6.21% 0.69%	0.46%		0.75%	67.00% 10.11%	8.15%	0.01% 0.25%	0.07% 0.00%
71:T 72:R		0.18%	0.31%	0.16%	0.01%	0.20% 5.96%	0.02%		1.31%	0.08%	0.28%	0.24%		0.12%	83.77%		1.07%	0.06%	0.00%	0.05%
73:D 74:T 75:S	4.03% 8.07% 4.18%	0.07% 0.01% 2.76%	0.02%	8.77% 0.47% 0.00%			0.01%		0.80% 1.88% 0.01%	0.71%	0.02% 3.31% 0.00%	0.12%	0.10% 6.57% 7.47%	0.09%		6.53%	68.32%	3.82% 1.22% 0.14%	0.12%	0.41% 0.01% 0.94%
76:I 77:S	0.97%		0.23%		6.25% 0.32%	0.45%	0.12%		0.53%		3.83%	1.28%	0.64%	0.04%		2.45%	5.38%	12.73%	0.02%	0.08%
	6.36% <mark>64.65%</mark>	0.09%	0.11% 6.66%		0.28%	0.83% 5.70%	0.08%	5.06% 0.78%	0.04%	0.84%		0.22%	4.95% 2.04%	0.01%	0.11%	1.16%	3.23%	0.79% 13.24%	0.00%	0.02% 0.06%
80:Y 81:M	0.50% 0.89% 3.63%	12.29% 0.05%	0.05%	0.47%		1.04%		10.15%	1.95%	13.72%		0.22%	0.55%	0.18%	14.08%	1.79%	5.70%		0.42%	41.92% 0.01% 0.17%
82:E 83:L 84:S	1.05%	0.04% 0.05% 1.36%	0.04%		1.44%		0.08%	1.00%	4.52% 0.53% 4.42%	64.22%		0.03%	0.23% 2.32% 0.38%	1.00%	0.84% 1.50% 43.22%	2.18%		14.89%		0.01%
85:R 86:L	0.13%	1.10%	0.10%	0.21%	0.02%	8.77%	0.05%	0.38%	1.12% 0.05%	0.10%	0.30%	0.59%	0.10%	0.08%	66.89%	17.02%	1.05%	0.11%	1.87%	0.03%
87:R 88:S		11.08%	0.32%	0.04%	11.38%	1.21%	0.55%	0.72%	12.42% 0.01%	2.64%	0.01%	0.35%	4.30%	0.05%	2.49%	58.14%	1.65%	0.76%	0.36%	2.61%
89:D 90:D 91:T	4.43% 7.23% 8.63%	0.10%	64.16%	1.92% 8.67% 0.40%	0.06%	8.33% 10.77% 0.26%	1.92%	0.17%	0.39%	0.06% 0.18% 0.47%	0.01%	1.46%	0.09% 0.26% 6.88%	0.37%	0.43%	0.41%	0.54%	2.07% 2.35% 0.92%	0.00%	0.50%
92:A 93:V	8.03% 74.96% 5.35%	0.03%	1.25% 1.43%	0.06%	0.01% 0.05% 1.26%	1.69%	0.05%		0.02%	0.13%		0.16%	4.79% 1.12%	0.00%	0.06%	2.81%	10.22%	3.30%	0.00%	0.00% 0.02% 0.02%
94:Y 95:Y	0.55% 0.62%	11.61% 11.51%	4.78% 7.65%	0.34% 0.23%	12.76% 9.20%	0.54% 0.92%	9.02% 11.30%	0.70% 0.37%	0.41%	2.28% 2.66%	0.02% 0.04%	6.09% 3.84%	1.29% 0.94%	0.78% 1.09%	1.19% 1.34%	15.41% 8.41%	0.92% 0.44%	0.49% 0.51%	0.44% 0.62%	30.39% 37.64%
96:C 97:A	79.90%		0.17%	2.17%		1.26%	0.01%	0.06%	0.13%	0.60%	0.33%	0.01%	0.76% 3.42%	0.09%	4.20% 0.23%	2.34%	4.71%	4.44%	0.08%	0.00%
98:R 99:D 100:R	0.78% 1.48% 0.26%	0.51%	0.13% 59.22% 0.44%	2.98%	0.01% 0.41% 0.32%		7.73%			0.49%	0.04%	11.91%	0.41% 0.50% 3.16%	0.56%	0.78%	2.73%	1.15%	0.21% 1.06% 0.24%	0.01%	0.01% 2.33% 0.68%
101:S		5.82%	1.95%		0.93%	4.59%		8.23%	2.04% 8.02%	1.13%	0.50%	14.20%	2.65% 0.96%	0.26%	9.23%	27.23%	14.74%		0.33% 0.07%	
104:S	6.07% 2.24%	0.06%	0.00%	0.19%	0.08%	0.25%	0.00%	0.58% 0.01%	1.32% 0.07%	0.72% 5.27%	0.18%	0.00%	0.89% 8.21%	0.08%	0.40%	78.32%	1.02%	2.29% 0.61%		0.04% 0.01%
106:K	3.29% 0.70%	0.06%	1.99% 1.33%		0.07%	69.03% 1.09%	0.87%		44.42%	1.37%	4.76%	5.32%		6.75%			4.82%			
108:F	0.98% 0.20% 6.72%	3.52%			56.86%		0.25%	1.92%	2.11% 0.02% 1.84%	25.55%	0.06% 0.11% 0.20%	0.13%	6.89% 1.08% 0.31%	0.02%	0.62%		0.15%	0.35% 3.67% 2.56%		
	5.45%	1.39% 2.34%	0.10%	0.01%	2.05% 1.96%	0.08%	0.13%	0.12%		0.54%	0.01%	0.13%	6.05%	0.00%		79.21%	3.02%	0.14%		1.33%
-	0.19%	15.68%		0.18%	1.13%	0.76% 4.44%	3.67% 0.31%	3.31% 0.04%	16.15% 0.10%	0.50% 1.60%	0.63% 0.04%	41.02% 0.15%	0.70% 0.28%	1.37% 0.15%	6.60%	3.59%	0.12%	0.13%	0.04% 62.59%	
115:F	0.17%	3.63%	0.07%	0.01%	57.92%	0.25%	0.20%	1.59%	2.01% 0.01%	26.17%	0.12%	0.06%	0.87%	0.03%	0.46%	4.78%	0.12%	2.43%	0.18%	
117:L	0.57%	0.24%	0.18%	0.02%	6.43%	0.25%	1.29%	1.64%	0.39% 0.01% 0.02%	72.14%	0.22%	0.05%	4.54%	0.18%	2.07%	0.46%	0.19%	9.41%	0.02%	0.09%
119:G	1.67%	0.52%	3.12%	0.12%	0.01%	91.46%	0.04%	0.04%	0.02% 0.01% 0.02%	0.01%	0.00%	0.11%	0.02%	0.00%	0.86%	0.75%	0.06%	1.13%	0.02%	0.02%
121:G 122:T	7.31% 8.34%	0.81% 0.29%	13.32% 0.75%	2.64% 0.06%	0.13% 0.41%	64.19% 0.78%	0.38% 0.21%	0.23% 4.44%	0.10% 0.40%	0.22% 0.40%	0.01% 0.35%	0.34% 2.66%	0.20% 4.62%	0.06% 0.02%	3.32% 0.49%	0.96% 9.87%	0.35% 64.18%	5.04% 1.57%	0.05% 0.01%	0.32% 0.15%
124:V	6.75%	0.04%	2.02%	0.25%	1.23%	1.93%	0.04%	4.62%	0.04%	3.26%	0.24%	0.08%	0.18%	0.01%	0.12%	0.21%	0.34%	78.64%	0.00%	0.01%
126:V	6.69%	0.04%	2.35%	0.18%	0.96%	3.18%	0.03%	1.56%	0.21% 0.01% 0.01%	2.36%	0.19%	0.04%	0.15%	0.01%	0.06%	0.13%	0.20%	81.82%	0.00%	0.02%
									0.01%											