	A	C	D	E	F	G	H	I	K	L	M	N	P	Q	R	S	T	V	W	Y
1:Q	0.21%	0.01%	0.21%	3.85%	0.00%	0.22%	3.30%	0.02%	3.87%	4.21%	0.20%	0.20%	4.10%	74.56%	4.27%	0.13%	0.22%	0.21%	0.10%	0.09%
2:V	3.51%	0.01%	0.09%	2.62%	0.16%	2.29%	0.00%	1.59%	0.28%	5.99%	5.36%	0.02%	0.12%	0.06%	0.21%	0.09%	0.40%	77.17%	0.02%	0.00%
3:Q	0.04%	0.02%	0.14%	0.79%	0.01%	0.07%	9.20%	0.04%	3.69%	2.00%	0.06%	0.54%	1.46%	78.36%	3.09%	0.00%	0.12%	0.05%	0.16%	0.09%
4:L	0.46%	0.01%	0.01%	0.26%	0.34%	0.20%	0.02%	0.43%	0.27%	76.97%	4.96%	0.01%	2.06%	0.71%	0.87%	0.59%	0.32%	11.36%	0.13%	0.00%
5:V	4.41%	0.00%	0.14%	3.06%	0.04%	2.65%	0.00%	0.86%	0.22%	6.09%	5.80%	0.01%	0.16%	0.05%	0.20%	0.08%	0.41%	75.83%	0.01%	0.00%
6:E	4.06%	0.00%	2.56%	80.43%	0.00%	5.75%	0.08%	0.01%	3.13%	0.12%	0.14%	0.09%	0.10%	1.31%	0.19%	0.04%	0.23%	1.71%	0.01%	0.01%
7:S	1.37%	1.45%	0.01%	0.00%	1.47%	0.03%	0.02%	0.03%	0.00%	0.14%	0.00%	0.02%	3.02%	0.00%	0.04%	90.85%	1.04%	0.04%	0.03%	0.44%
8:G	0.39%	0.01%	0.06%	1.75%	0.00%	94.64%	0.00%	0.00%	0.04%	0.02%	0.01%	0.00%	0.01%	0.03%	2.00%	0.02%	0.02%	0.44%	0.56%	0.00%
9:G	2.34%	0.01%	0.14%	6.03%	0.00%	72.08%	0.01%	0.18%	0.39%	0.15%	0.01%	0.02%	0.13%	0.07%	15.32%	1.79%	0.63%	0.71%	0.01%	0.00%
10:G	1.16%	0.61%	2.80%	0.05%	0.01%	93.09%	0.01%	0.00%	0.01%	0.00%	0.05%	0.02%	0.00%	0.59%	0.76%	0.05%	0.69%	0.01%	0.01%	0.03%
11:V	5.06%	0.00%	0.14%	3.12%	0.06%	2.69%	0.00%	0.63%	0.06%	5.81%	3.96%	0.01%	0.18%	0.07%	0.49%	0.14%	0.40%	77.14%	0.03%	0.00%
12:V	3.58%	0.01%	0.74%	0.07%	0.60%	1.59%	0.01%	2.74%	0.01%	1.88%	0.08%	0.02%	0.06%	0.00%	0.02%	0.06%	0.13%	88.39%	0.00%	0.00%
13:Q	0.05%	0.00%	0.03%	0.47%	0.01%	0.02%	1.43%	0.00%	0.60%	2.63%	0.03%	0.02%	2.96%	87.18%	4.32%	0.09%	0.07%	0.02%	0.03%	0.04%
14:P	2.99%	0.17%	0.02%	0.00%	0.17%	0.05%	0.37%	0.07%	0.01%	1.05%	0.00%	0.08%	82.80%	0.03%	0.84%	7.61%	3.57%	0.12%	0.01%	0.03%
15:G	1.54%	0.02%	0.48%	6.00%	0.00%	87.46%	0.01%	0.13%	0.08%	0.05%	0.01%	0.04%	0.10%	1.87%	0.06%	0.10%	1.55%	0.51%	0.00%	0.00%
16:R	0.16%	0.01%	0.01%	0.28%	0.00%	2.48%	0.01%	0.10%	6.60%	0.16%	2.43%	0.12%	0.08%	0.21%	83.13%	0.53%	2.87%	0.21%	0.61%	0.00%
17:S	1.58%	1.90%	0.06%	0.00%	1.74%	0.03%	0.07%	0.03%	0.00%	0.23%	0.00%	0.09%	3.65%	0.00%	0.05%	88.77%	0.77%	0.05%	0.04%	0.94%
18:L	0.03%	0.00%	0.00%	0.02%	0.09%	0.02%	0.05%	0.04%	0.02%	92.23%	0.57%	0.00%	2.85%	1.56%	0.03%	1.27%	0.04%	1.16%	0.01%	0.00%
19:R	0.04%	0.01%	0.01%	0.08%	0.00%	3.68%	0.00%	0.39%	1.32%	0.02%	0.02%	0.08%	0.03%	0.03%	92.21%	1.14%	0.91%	0.02%	0.01%	0.00%
20:L	0.09%	0.05%	0.02%	0.00%	2.32%	0.00%	0.94%	0.75%	0.00%	86.85%	0.03%	0.03%	4.54%	0.04%	1.36%	0.11%	0.06%	2.76%	0.00%	0.02%
21:S	2.18%	1.40%	0.04%	0.00%	1.48%	0.04%	0.09%	0.03%	0.00%	0.34%	0.00%	0.04%	5.79%	0.00%	0.09%	86.52%	0.91%	0.07%	0.04%	0.92%
22:C	0.09%	75.40%	0.13%	0.01%	2.99%	1.62%	0.41%	0.05%	0.01%	0.44%	0.00%	0.18%	0.26%	0.01%	3.68%	8.33%	0.10%	0.05%	1.95%	4.30%
23:A	87.17%	0.00%	0.14%	2.53%	0.01%	0.59%	0.00%	0.28%	0.08%	0.16%	0.02%	0.01%	1.55%	0.02%	0.08%	2.10%	4.62%	0.65%	0.00%	0.00%
24:A	56.17%	0.00%	0.22%	8.52%	0.01%	4.67%	0.01%	0.00%	0.26%	0.94%	0.87%	0.00%	2.66%	0.14%	0.13%	1.14%	3.35%	20.83%	0.02%	0.00%
25:S	1.71%	1.45%	0.02%	0.00%	1.46%	0.02%	0.04%	0.03%	0.00%	0.15%	0.00%	0.01%	3.73%	0.00%	0.04%	89.68%	1.16%	0.03%	0.03%	0.44%
26:G	3.98%	0.00%	0.73%	9.52%	0.00%	79.01%	0.02%	0.13%	0.36%	0.13%	0.01%	0.04%	0.16%	0.15%	3.64%	0.12%	0.37%	1.61%	0.01%	0.00%
27:F	0.07%	2.01%	0.04%	0.00%	74.60%	0.07%	0.10%	1.09%	0.00%	16.35%	0.03%	0.00%	0.35%	0.00%	0.19%	2.47%	0.03%	1.86%	0.04%	0.61%
28:T	4.86%	0.07%	0.07%	0.00%	0.13%	0.13%	0.05%	3.73%	0.11%	0.18%	0.24%	1.11%	3.38%	0.00%	0.30%	4.82%	80.44%	0.35%	0.00%	0.04%
29:F	0.04%	2.70%	0.02%	0.00%	76.17%	0.04%	0.06%	0.43%	0.00%	15.88%	0.03%	0.02%	0.24%	0.01%	0.08%	2.54%	0.02%	1.06%	0.06%	0.60%
30:S	0.64%	1.97%	0.83%	0.07%	0.25%	2.90%	0.77%	6.91%	1.24%	0.32%	0.32%	14.46%	0.65%	0.04%	10.43%	44.69%	12.74%	0.37%	0.10%	0.29%
31:S	0.61%	2.51%	1.27%	0.12%	0.25%	6.49%	0.54%	2.64%	1.10%	0.26%	0.21%	9.69%	0.23%	0.04%	15.12%	52.51%	5.18%	0.43%	0.39%	0.43%
32:Y	0.10%	8.58%	1.81%	0.07%	9.23%	0.14%	5.97%	0.20%	0.19%	0.87%	0.00%	3.23%	0.33%	0.38%	0.41%	9.70%	0.24%	0.10%	0.11%	58.33%
33:G	5.08%	0.39%	10.72%	0.32%	0.03%	78.97%	0.07%	0.07%	0.01%	0.04%	0.00%	0.13%	0.06%	0.00%	0.70%	0.76%	0.13%	2.45%	0.01%	0.07%
34:M	0.44%	0.01%	0.01%	0.16%	0.55%	0.17%	0.01%	23.80%	2.60%	6.95%	47.27%	0.20%	0.28%	0.06%	3.85%	0.45%	7.35%	5.76%	0.07%	0.00%
35:H	0.23%	0.21%	1.74%	0.09%	0.32%	0.09%	65.43%	0.23%	0.85%	4.63%	0.02%	6.16%	6.36%	5.18%	5.16%	0.77%	0.45%	0.23%	0.02%	1.83%
36:W	0.01%	2.55%	0.00%	0.01%	0.05%	2.37%	0.00%	0.00%	0.00%	0.54%	0.00%	0.01%	0.01%	3.47%	0.65%	0.01%	0.01%	90.20%	0.09%	0.00%
37:V	3.61%	0.01%	0.74%	0.04%	0.37%	1.57%	0.01%	1.60%	0.01%	0.61%	0.03%	0.02%	0.03%	0.00%	0.01%	0.04%	0.09%	91.22%	0.00%	0.07%
38:R	0.02%	2.32%	0.07%	0.00%	0.01%	1.32%	1.44%	0.00%	0.00%	0.38%	0.00%	0.03%	0.62%	0.04%	93.27%	0.35%	0.00%	0.02%	0.04%	0.07%
39:Q	0.03%	0.00%	0.01%	1.06%	0.00%	0.03%	0.78%	0.00%	0.72%	1.25%	0.02%	0.01%	3.51%	89.68%	2.77%	0.02%	0.07%	0.01%	0.01%	0.00%
40:A	60.26%	0.06%	0.39%	0.06%	0.07%	1.08%	0.02%	0.43%	0.01%	0.10%	0.00%	0.12%	9.50%	0.00%	0.06%	4.95%	21.41%	1.45%	0.00%	0.01%
41:P	1.31%	0.00%	0.00%	0.03%	0.00%	0.01%	0.14%	0.03%	0.01%	2.98%	0.00%	0.00%	92.68%	0.56%	0.54%	1.29%	0.36%	0.04%	0.00%	0.00%
42:G	1.25%	0.24%	2.92%	0.11%	0.01%	92.69%	0.04%	0.03%	0.01%	0.03%	0.00%	0.06%	0.02%	0.00%	0.50%	0.04%	1.46%	0.01%	0.01%	0.03%
43:K	0.76%	0.00%	0.03%	4.53%	0.00%	0.38%	0.02%	0.06%	58.84%	0.26%	4.83%	0.49%	0.57%	2.33%	11.58%	0.38%	14.55%	0.24%	0.13%	0.01%
44:G	0.31%	0.06%	0.12%	0.53%	0.00%	96.17%	0.00%	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%	0.05%	1.93%	0.24%	0.01%	0.29%	0.28%	0.00%
45:L	0.04%	0.00%	0.00%	0.02%	0.03%	0.01%	0.03%	0.05%	0.01%	93.32%	0.39%	0.00%	3.10%	1.05%	0.85%	0.00%	0.03%	0.99%	0.01%	0.00%
46:E	3.95%	0.00%	10.85%	72.13%	0.00%	5.58%	0.20%	0.02%	2.95%	0.11%	0.13%	0.47%	0.10%	1.25%	0.20%	0.06%	0.25%	1.66%	0.01%	0.07%
47:W	0.02%	2.76%	0.00%	0.03%	0.05%	2.85%	0.00%	0.00%	0.02%	1.08%	0.02%	0.00%	0.03%	0.02%	6.59%	1.15%	0.02%	0.03%	85.27%	0.06%
48:V	4.28%	0.00%	0.03%	3.04%	0.02%	2.65%	0.00%	0.33%	0.24%	5.24%	4.88%	0.00%	0.23%	0.11%	0.15%	0.07%	0.35%	78.36%	0.01%	0.00%
49:A	75.95%	0.00%	0.11%	1.80%	0.00%	1.05%	0.00%	0.20%	0.09%	0.20%	0.01%	0.01%	5.12%	0.03%	0.12%	3.11%	11.12%	1.06%	0.00%	0.00%
50:V	2.39%	0.00%	1.20%	0.14%	1.71%	1.32%	0.08%	7.68%	0.19%	9.15%	0.29%	0.11%	0.66%	0.01%	0.09%	0.23%	0.49%	74.39%	0.00%	0.01%
51:I	0.89%	0.03%	0.06%	0.55%	2.04%	0.32%	0.03%	46.33%	2.98%	19.70%	6.43%	0.37%	0.69%	0.27%	2.62%	1.33%	6.65%	8.70%	0.01%	0.01%
52:S	1.48%	0.33%	0.02%	0.26%	0.54%	0.06%	0.01%	0.06%	0.02%	1.87%	0.01%	0.01%	3.91%	0.02%	0.05%	90.43%	1.32%	0.09%	0.08%	0.15%
53:Y	0.15%	11.04%	2.72%	0.11%	12.37%	0.29%	8.24%	0.31%	0.08%	1.31%	0.00%	2.75%	0.55%	0.53%	0.81%	11.94%	0.24%	0.22%	0.16%	46.17%
54:D	1.91%	0.24%	68.58%	6.16%	0.26%	3.58%	5.71%	0.25%	0.54%	0.19%	0.01%	6.56%	0.21%	0.47%	0.28%	0.93%	0.49%	0.86%	0.00%	2.77%
55:G	1.44%	0.02%	0.54%	4.13%	0.00%	84.11%	0.01%	0.13%	0.13%	0.15%	0.01%	0.02%	0.15%	0.09%	7.87%	0.17%	0.27%	0.74%	0.01%	0.00%
56:S	0.68%	2.98%	1.25%	0.08%	0.36%	3.81%	1.03%	6.56%	0.73%	0.48%	0.19%	11.91%	0.78%	0.07%	6.64%	51.51%	9.86%	0.53%	0.07%	0.49%
57:N	0.59%	0.41%	9.05%	0.92%	0.53%	0.74%	4.47%	4.37%	5.63%	0.45%	0.17%	53.79%	0.29%	0.55%	1.02%	8.61%	5.80%	0.38%	0.01%	2.22%
58:K	0.62%	0.02%	1.75%	8.48%	0.06%	0.57%	0.75%	3.45%	53.95%	0.44%	0.28%	11.46%	0.35%	3.83%	5.85%	1.13%	6.54%	0.24%	0.01%	0.22%
59:Y	0.08%	8.92%	4.29%	0.14%	5.65%	0.36%	5.93%	0.13%	0.24%	0.88%	0.01%	3.88%	0.19%	0.13%	0.41%	4.87%	0.14%	0.11%	0.18%	63.46%
60:Y	0.12%	8.88%	2.40%	0.14%	9.64%	0.12%	5.16%	0.12%	0.13%	0.82%	0.00%	2.46%	0.37%	0.20%	0.33%	9.86%	0.21%	0.06%	0.13%	58.82%
61:A	64.04%	0.01%	0.13%	1.74%	0.00%	0.47%	0.01%	1.14%	0.28%	0.44%	0.06%	0.03%	8.98%	0.06%	0.28%	5.59%	16.05%	0.69%	0.00%	0.00%
62:D	0.96%	0.02%	92.15%	3.53%	0.01%	1.50%	0.31%	0.02%	0.09%	0.01%	0.00%	0.59%	0.01%	0.05%	0.01%	0.03%	0.04%	0.39%	0.00%	0.28%
63:S	0.45%	1.54%	0.02%	0.00%	1.51%	0.00%	0.05%	0.03%	0.04%	0.23%	0.00%	0.02%	2.49%	0.00%	0.04%	91.59%	1.06%	0.03%	0.03%	0.88%
64:V	3.05%	0.00%	0.08%	2.17%	0.05%	2.07%	0.00%	0.50%	0.17%	7.63%	5.08%	0.00%	0.14%	0.09%	0.26%	0.07%	0.38%	78.24%	0.02%	0.00%
65:K	0.07%	0.00%	0.03%	4.17%	0.00%	0.12%	0.02%	0.03%	86.67%	0.05%	0.73%	0.62%	0.04%	2.92%	2.74%	0.06%	1.68%	0.03%	0.02%	0.00%
66:G	0.80%	0.46%	1.62%	0.03%	0.00%	94.24%	0.01%	0.00%	0.00%	0.00%	0.00%	0.07%	0.01%	0.00%	0.59%	1.65%	0.00%	0.45%	0.01%	0.01%
67:R	0.03%	0.01%	0.00%	0.03%	0.00%	0.24%	0.90%	0.01%	0.02%	1.64%	0.00%	0.00%	6.21%	5.03%	85.77%	0.05%	0.03%	0.02%	0.01%	0.00%
68:F	0.07%	2.01%	0.04%	0.00%	74.57%	0.07%	0.10%	0.14%	0.00%	16.32%	0.03%	0.00%	0.36%	0.00%	0.18%	2.48%	0.04%	1.86%	0.05%	0.61%
69:T	4.99%	0.06%	0.07%	0.00%	0.11%	0.10%	0.05%	3.27%	0.05%	0.15%	0.05%	1.04%	3.43%	0.00%	0.45%	4.65%	81.22%	0.29%	0.00%	0.03%
70:I	0.29%	0.08%	0.07%	0.01%	4.04%	0.11%	0.05%	70.75%	0.25%	4.85%	4.33%	1.36%	0.20%	0.01%	0.25%	1.49%	4.05%	7.78%	0.00%	0.03%
71:S	2.19%	1.30%	0.02%	0.00%	1.17%	0.00%	0.03%	0.03%	0.00%	0.23%	0.00%	0.02%	5.70%	0.00%	0.09%	87.80%	0.93%	0.05%	0.01%	0.39%
72:R	0.08%	0.05%	0.01%	0.07%	0.00%	0.97%	0.01%	0.85%	2.24%	0.05%	0.04%	0.20%	0.09%	0.09%	88.85%	3.88%	2.46%	0.03%	0.03%	0.00%
73:D	2.73%	0.04%	85.38%	1.90%	0.02%	5.78%	0.81%	0.06%	0.12%	0.02%	0.00%	1.08%	0.05%	0.04%	0.05%	0.10%	0.11%	1.37%	0.00%	0.34%
74:N	0.29%	0.41%	2.77%	0.12%	0.19%	0.41%	7.51%	1.98%	2.77%	0.24%	0.05%	59.24%	0.35%	0.20%	0.93%	10.77%	9.93%	0.10%	0.01%	1.74%
75:S	2.42%	6.03%	0.19%	0.00%	6.19%	0.12%	0.28%	0.06%	0.01%	1.71%	0.00%	0.12%	2.17%	0.00%	0.18%	75.45%	0.52%	0.18%	0.21%	4.15%
76:K	0.26%	0.00%	0.14%	3.78%	0.00%	0.22%	0.09%	0.15%	78.66%	0.10%	1.52%	1.73%	0.16%	4.40%	2.95%	5.45%	0.10%	0.02%	0.02%	0.00%
77:N	0.14%	0.06%	2.32%	0.23%	0.04%	0.14%	1.28%	3.52%	7.13%	0.15%	0.15%	73.16%	0.07%	0.11%	1.84%	5.52%	3.65%	0.09%	0.00%	0.50%
78:T	4.90%	0.01%	0.02%	0.13%	0.02%	0.12%	0.00%	0.90%	1.38%	0.26%	2.35%	0.15%	3.42%	0.03%	2.57%	3.72%	79.65%	0.33%	0.05%	0.00%
79:L	0.19%	0.02%	0.02%	0.11%	1.06%	0.09%	0.20%	0.62%	0.19%	84.13%	1.89%	0.02%	2.58%	1.37%	1.14%	0.28%	0.25%	5.73%	0.10%	0.01%
80:Y	0.15%	16.47%	3.50%	0.10%	8.79%	0.28%	6.63%	0.34%	0.11%	0.64%	0.00%	4.85%	0.32%	0.14%	0.48%	8.53%	0.25%	0.15%	0.19%	48.08%
81:L	0.33%	0.01%	0.01%	0.16%	0.69%	0.15%	0.08%	0.43%	0.03%	77.12%	1.47%	0.00%	7.30%	1.16%	1.92%	0.34%	0.16%	8.50%	0.13%	0.00%
82:Q	0.13%	0.01%	0.39%	4.10%	0.01%	0.20%	9.46%	0.40%	15.93%	1.35%	0.04%	3.25%	1.69%	57.03%	4.86%	0.17%	0.76%	0.07%	0.01%	0.13%
83:M	0.36%	0.00%	0.01%	0.22%	0.22%	0.20%	0.05%	6.73%	1.57%	10.61%	63.11%	0.00%	0.18%	0.00%	2.24%	0.27%	2.98%	11.12%	0.07%	0.00%
84:N	0.16%	0.10%	4.49%	0.21%	0.07%	0.24%	2.84%	3.23%	6.62%	0.11%	0.19%	69.65%	0.09%	0.21%	2.01%	5.18%	3.60%	0.19%	0.00%	0.80%
85:S	0.11%	3.32%	0.20%	0.01%	0.00%	5.20%	0.05%	0.51%	0.14%	0.02%	0.00%	1.78%	0.04%	0.00%	7.93%	79.38%	1.07%	0.05%	0.08%	0.05%
86:L	0.03%	0.00%	0.00%	0.02%	0.05%	0.02%	0.05%	0.04%	0.02%	92.44%	0.46%	0.00%	2.86%	1.57%	1.28%	0.03%	0.03%	1.09%	0.01%	0.00%
87:R	0.13%	0.02%	0.01%	0.19%	0.00%	3.53%	0.01%	0.59%	2.42%	0.03%	0.04%	0.19%	0.06%	0.05%	88.37%	2.13%	2.18%	0.04%	0.00%	0.00%
88:A	56.78%	0.06%	7.52%	0.11%	0.13%	8.71%	0.07%	0.61%	0.01%	0.24%	0.01%	0.16%	2.25%	0.00%	0.06%	1.47%	4.09%	17.68%	0.00%	0.03%
89:E	2.57%	0.00%	6.93%	79.33%	0.00%	4.09%	0.20%	0.01%	2.08%	0.07%	0.10%	0.17%	0.11%	2.72%	0.26%	0.04%	0.36%	0.90%	0.01%	0.04%
90:D	2.17%	0.03%	83.78%	5.76%	0.01%	2.90%	0.65%	0.05%	0.21%	0.02%	0.00%	1.92%	0.02%	0.06%	0.06%	0.11%	0.07%	1.84%	0.00%	0.34%
91:T	5.12%	0.00%	0.00%	0.11%	0.00%	0.06%	0.00%	0.05%	1.09%	0.12%	1.21%	0.00%	3.73%	0.03%	0.91%	3.66%	83.60%	0.26%	0.04%	0.00%
92:A	70.64%	0.04%	0.37%	0.06%	0.04%	0.95%	0.04%	0.18%	0.00%	0.05%	0.00%	0.05%	7.44%	0.00%	0.06%	3.38%	15.46%	1.12%	0.00%	0.02%
93:V	2.73%	0.01%	0.39%	1.63%	0.54%	1.72%	0.01%	1.62%	0.07%	8.24%	2.88%	0.02%	0.22%	0.07%	0.11%	0.11%	0.25%	79.34%	0.02%	0.00%
94:Y	0.16%	8.58%	3.65%	0.14%	9.47%	0.18%	6.79%	0.25%	0.12%	0.72%	0.00%	4.95%	0.40%	0.28%	0.41%	9.90%	0.28%	0.16%	0.15%	53.41%
95:Y	0.18%	8.88%	4.96%	0.05%	5.90%	0.31%	8.12%	0.14%	0.26%	0.88%	0.01%	3.00%	0.29%	0.36%	0.46%	4.96%	0.14%	0.14%	0.23%	60.75%
96:C	0.07%	78.54%	0.13%	0.01%	3.21%	0.98%	0.26%	0.03%	0.00%	0.23%	0.00%	0.11%	0.22%	0.01%	2.36%	7.24%	0.06%	0.02%	2.06%	4.45%
97:A	91.00%	0.00%	0.04%	0.93%	0.00%	0.50%	0.00%	0.01%	0.03%	0.14%	0.09%	0.00%	1.58%	0.02%	0.06%	1.12%	2.41%	2.06%	0.02%	0.00%
98:R	0.25%	0.01%	0.03%	0.33%	0.00%	7.21%	0.01%	0.56%	2.23%	0.04%	0.03%	0.19%	0.12%	0.08%	83.23%	3.55%	2.02%	0.05%	0.03%	0.01%
99:E	3.25%	0.00%	1.25%	82.67%	0.00%	5.94%	0.03%	0.00%	2.40%	0.13%	0.09%	0.05%	0.10%	2.15%	0.17%	0.00%	0.14%	1.56%	0.01%	0.01%
100:A	61.09%	0.05%	0.37%	0.02%	0.06%	0.83%	0.04%	0.21%	0.00%	0.12%	0.00%	0.06%	9.39%	0.00%	0.07%	4.73%	21.89%	1.02%	0.00%	0.02%
101:G	3.83%	0.82%	6.13%	0.35%	0.05%	82.41%	0.29%	0.12%	0.02%	0.05%	0.00%	0.39%	0.23%	0.02%	1.07%	2.23%	0.42%	1.43%	0.02%	0.15%
102:G	0.38%	0.01%	0.05%	1.52%	0.00%	93.80%	0.00%	0.00%	0.03%	0.02%	0.01%	0.00%	0.01%	0.03%	2.60%	0.03%	0.01%	0.37%	1.14%	0.00%
103:P	1.10%	0.01%	0.01%	0.01%	0.01%	0.01%	0.51%	0.01%	0.00%	0.91%	0.00%	0.00%	95.40%	0.01%	0.43%	1.15%	0.36%	0.02%	0.00%	0.00%
104:D	3.39%	0.03%	81.32%	5.05%	0.02%	5.24%	1.48%	0.03%	0.16%	0.05%	0.00%	1.21%	0.05%	0.12%	0.07%	0.10%	0.09%	1.26%	0.00%	0.35%
105:Y	0.05%	10.97%	2.12%	0.04%	5.72%	0.37%	5.84%	0.07%	0.21%	0.84%	0.00%	3.05%	0.22%	0.09%	0.46%	5.20%	0.09%	0.06%	0.22%	64.36%
106:R	0.17%	1.07%	0.13%	0.02%	0.21%	0.38%	16.42%	0.12%	0.01%	6.30%	0.00%	0.16%	15.93%	1.57%	56.15%	0.71%	0.19%	0.17%	0.06%	0.25%
107:N	0.49%	0.47%	8.60%	0.95%	0.44%	0.82%	4.40%	3.58%	7.09%	0.38%	0.13%	51.78%	0.29%	0.54%	1.08%	10.96%	5.43%	0.31%	0.01%	2.23%
108:G	2.24%	0.13%	2.34%	4.84%	0.01%	85.72%	0.03%	0.05%	0.12%	0.10%	0.03%	0.05%	0.07%	0.07%	1.88%	0.35%	0.14%	1.56%	0.23%	0.01%
109:Y	0.15%	8.63%	6.98%	0.11%	4.18%	0.26%	8.27%	0.33%	0.93%	1.10%	0.02%	9.95%	0.22%	0.21%	0.57%	4.86%	0.32%	0.20%	0.24%	52.48%
110:N	0.31%	0.25%	3.74%	0.33%	0.13%	0.32%	2.39%	2.32%	8.93%	0.11%	0.16%	65.78%	0.20%	0.18%	1.22%	6.03%	5.61%	0.11%	0.01%	1.89%
111:Y	0.15%	9.27%	2.41%	0.09%	10.13%	0.16%	5.02%	0.12%	0.06%	0.75%	0.00%	2.53%	0.39%	0.20%	0.34%	10.24%	0.23%	0.07%	0.17%	57.67%
112:Y	0.15%	9.18%	5.10%	0.06%	5.19%	0.27%	8.51%	0.09%	0.26%	0.55%	0.00%	3.09%	0.21%	0.19%	0.43%	4.30%	0.14%	0.11%	0.05%	62.11%
113:D	3.67%	0.22%	56.65%	4.77%	0.21%	4.90%	11.71%	0.22%	0.30%	0.34%	0.00%	9.72%	0.53%	0.43%	0.52%	1.28%	1.33%	0.87%	0.00%	2.33%
114:F	0.14%	2.20%	0.04%	0.00%	80.41%	0.05%	0.06%	0.58%	0.00%	7.38%	0.02%	0.03%	0.31%	0.01%	0.08%	6.44%	0.01%	1.47%	0.04%	0.69%
115:W	0.03%	1.81%	0.01%	0.09%	0.08%	2.72%	0.01%	0.00%	0.04%	0.65%	0.01%	0.04%	0.03%	0.03%	5.50%	0.73%	0.04%	0.03%	88.01%	0.17%
116:S	0.29%	1.60%	0.36%	0.02%	0.09%	5.05%	0.26%	5.85%	0.37%	0.13%	0.08%	4.87%	0.19%	0.02%	8.45%	66.03%	0.17%	0.03%	0.09%	0.09%
117:G	5.49%	1.68%	8.03%	0.46%	0.11%	74.96%	0.37%	0.14%	0.01%	0.14%	0.00%	0.58%	0.18%	0.01%	1.65%	3.74%	0.40%	1.79%	0.04%	0.21%
118:Y	0.23%	9.10%	2.85%	0.10%	10.58%	0.22%	7.79%	0.13%	0.05%	0.88%	0.01%	2.07%	0.36%	0.32%	0.47%	9.81%	0.14%	0.16%	0.18%	54.55%
119:Y	0.27%	9.03%	4.24%	0.22%	11.88%	0.26%	8.03%	0.17%	0.16%	1.38%	0.01%	3.11%	0.38%	0.63%	0.58%	10.82%	0.22%	0.17%	0.19%	48.26%
120:N	0.55%	0.32%	10.01%	0.80%	0.44%	0.71%	4.30%	4.49%	7.65%	0.52%	0.30%	55.40%	0.26%	0.31%	1.16%	5.32%	4.67%	0.47%	0.02%	2.30%
121:Y	0.08%	9.45%	2.28%	0.07%	5.87%	0.32%	6.02%	0.09%	0.20%	0.99%	0.01%	3.10%	0.23%	0.13%	0.37%	5.70%	0.15%	0.07%	0.19%	64.70%
122:Y	0.08%	9.39%	2.29%	0.07%	5.90%	0.32%	6.20%	0.09%	0.20%	1.02%	0.00%	3.23%	0.23%	0.13%	0.39%	5.77%	0.16%	0.07%	0.19%	64.47%
123:Y	0.09%	8.52%	2.28%	0.09%	3.62%	0.30%	6.36%	0.08%	0.13%	0.47%	0.00%	3.02%	0.26%	0.12%	0.41%	6.86%	0.21%	0.05%	0.06%	67.10%
124:M	0.29%	0.01%	0.01%	0.15%	0.12%	0.30%	0.00%	7.90%	1.16%	8.49%	62.21%	0.06%	0.14%	0.04%	9.11%	0.63%	3.15%	6.09%	0.13%	0.00%
125:D	3.59%	0.03%	81.62%	2.14%	0.02%	8.67%	0.60%	0.05%	0.12%	0.02%	0.00%	1.37%	0.02%	0.03%	0.06%	0.16%	0.09%	1.17%	0.00%	0.24%
126:V	3.58%	0.01%	1.08%	0.04%	0.91%	1.65%	0.02%	2.73%	0.01%	2.82%	0.20%	0.03%	0.10%	0.00%	0.03%	0.07%	0.16%	86.55%	0.00%	0.00%
127:W	0.01%	1.47%	0.00%	0.00%	0.02%	2.02%	0.00%	0.00%	0.01%	0.55%	0.00%	0.00%	0.01%	0.01%	5.02%	0.59%	0.00%	0.01%	90.21%	0.04%
128:G	3.99%	0.15%	16.82%	0.28%	0.13%	26.61%	0.09%	0.56%	0.02%	0.22%	0.01%	0.25%	0.02%	0.01%	0.27%	0.19%	0.06%	50.29%	0.00%	0.04%
129:K	0.27%	0.01%	0.15%	3.73%	0.01%	0.31%	0.29%	2.99%	66.97%	0.16%	0.37%	3.21%	0.16%	1.73%	9.19%	0.59%	9.69%	0.14%	0.01%	0.04%
130:G	1.17%	0.01%	0.10%	6.14%	0.00%	89.08%	0.00%	0.04%	0.00%	0.00%	0.00%	0.06%	0.03%	0.06%	1.23%	0.04%	0.06%	1.60%	0.28%	0.00%
131:T	4.97%	0.02%	0.07%	0.00%	0.05%	0.06%	0.04%	4.10%	0.13%	0.08%	0.06%	2.33%	2.66%	0.00%	0.47%	2.83%	81.93%	0.18%	0.00%	0.01%
132:T	4.67%	0.00%	0.00%	0.09%	0.00%	0.06%	0.00%	0.11%	0.97%	0.10%	0.79%	0.04%	3.57%	0.04%	0.66%	3.41%	85.25%	0.20%	0.04%	0.00%
133:V	3.54%	0.01%	1.07%	0.08%	0.42%	1.14%	0.01%	1.47%	0.00%	1.48%	0.05%	0.02%	0.08%	0.00%	0.02%	0.06%	0.14%	90.42%	0.00%	0.00%
134:T	4.72%	0.06%	0.11%	0.00%	0.09%	0.16%	0.04%	2.68%	0.06%	0.13%	0.03%	0.98%	3.48%	0.00%	0.20%	4.82%	82.04%	0.36%	0.00%	0.03%
135:V	3.77%	0.01%	1.08%	0.06%	0.53%	1.67%	0.02%	1.31%	0.01%	2.17%	0.09%	0.02%	0.05%	0.00%	0.02%	0.04%	0.07%	89.07%	0.00%	0.00%
136:S	2.15%	1.38%	0.04%	0.00%	1.49%	0.04%	0.10%	0.03%	0.00%	0.34%	0.00%	0.04%	5.74%	0.00%	0.08%	86.58%	0.91%	0.04%	0.09%	0.91%
137:S	1.16%	0.21%	0.01%	0.03%	0.39%	0.03%	0.02%	0.05%	0.02%	4.34%	0.00%	0.00%	3.57%	0.09%	0.12%	88.91%	0.71%	0.05%	0.11%	0.20%