Pos	A	C	D	E	F	G	H	I	K	L	M	N	P	Q	R	S	T	V	W	Y
1:Q	0.34%	0.01%	0.33%	4.65%	0.01%	0.34%	3.94%	0.04%	4.70%	5.18%	0.30%	0.31%	4.99%	68.41%	5.27%	0.20%	0.33%	0.35%	0.16%	0.14%
2:V	4.34%	0.02%	0.14%	3.22%	0.25%	2.89%	0.01%	2.25%	0.42%	7.27%	6.06%	0.03%	0.20%	0.10%	0.36%	0.16%	0.63%	71.63%	0.03%	0.00%
3:Q	0.06%	0.03%	0.22%	1.10%	0.03%	0.11%	10.58%	0.08%	4.77%	2.68%	0.09%	0.83%	1.99%	72.48%	4.09%	0.16%	0.22%	0.09%	0.24%	0.14%
4:L	0.64%	0.06%	0.02%	0.43%	2.30%	0.35%	0.14%	1.84%	67.64%	4.17%	0.06%	3.14%	1.80%	1.84%	1.08%	0.57%	12.79%	0.37%	0.00%	0.01%
5:Q	0.05%	0.02%	0.08%	0.98%	0.01%	0.14%	3.43%	0.01%	3.63%	2.20%	0.05%	0.21%	1.48%	82.29%	4.65%	0.10%	0.11%	0.07%	0.46%	0.05%
6:E	5.21%	0.00%	3.30%	79.18%	0.00%	7.14%	0.05%	0.02%	1.56%	0.13%	0.15%	0.10%	0.06%	0.60%	0.17%	0.04%	0.17%	2.11%	0.02%	0.05%
7:S	2.85%	0.01%	0.00%	0.02%	0.02%	0.05%	0.00%	0.00%	0.01%	3.64%	0.06%	0.00%	4.22%	0.01%	0.11%	85.38%	1.57%	0.10%	1.95%	0.00%
8:G	1.02%	0.53%	2.14%	0.06%	0.01%	92.55%	0.02%	0.03%	0.01%	0.01%	0.00%	0.10%	0.02%	0.00%	0.86%	1.83%	0.08%	0.70%	0.00%	0.02%
9:P	0.54%	0.00%	0.00%	0.03%	0.00%	0.01%	0.13%	0.02%	0.01%	1.55%	0.00%	0.00%	94.00%	0.60%	0.96%	1.32%	0.80%	0.02%	0.00%	0.00%
10:G	0.72%	0.02%	0.25%	2.63%	0.00%	86.86%	0.00%	0.08%	0.10%	0.08%	0.00%	0.01%	0.06%	0.04%	8.49%	0.14%	0.12%	0.38%	0.01%	0.00%
11:L	0.06%	0.00%	0.00%	0.03%	0.07%	0.03%	0.05%	0.08%	0.02%	90.98%	0.41%	0.00%	2.99%	1.22%	2.65%	0.10%	0.05%	1.22%	0.04%	0.00%
12:V	4.98%	0.00%	0.19%	4.13%	0.06%	4.56%	0.01%	0.87%	0.29%	7.25%	7.05%	0.01%	0.20%	0.08%	0.30%	0.18%	0.56%	69.22%	0.00%	0.00%
13:K	0.21%	0.00%	0.17%	4.57%	0.00%	0.55%	0.07%	0.31%	68.47%	0.22%	5.00%	1.00%	0.12%	3.40%	11.18%	0.20%	4.19%	0.23%	0.11%	0.01%
14:P	3.54%	0.16%	0.06%	0.00%	0.23%	0.06%	0.63%	0.12%	0.01%	1.27%	0.00%	0.18%	79.33%	0.02%	0.54%	9.26%	4.34%	0.17%	0.00%	0.07%
15:S	2.43%	0.25%	0.01%	0.12%	0.20%	0.27%	0.00%	0.01%	0.03%	13.22%	0.11%	0.00%	2.84%	0.02%	0.42%	70.87%	6.44%	0.49%	8.03%	0.04%
16:E	3.65%	0.00%	1.61%	81.36%	0.00%	5.04%	0.04%	0.01%	3.90%	0.09%	0.20%	0.09%	0.11%	1.81%	0.43%	0.05%	0.30%	1.29%	0.02%	0.01%
17:T	7.58%	0.04%	0.06%	0.02%	0.05%	0.10%	0.03%	2.50%	0.25%	0.05%	0.17%	1.90%	2.92%	0.00%	0.18%	4.07%	79.91%	0.13%	0.00%	0.02%
18:L	0.05%	0.00%	0.00%	0.06%	0.07%	0.02%	0.16%	0.04%	0.04%	86.47%	0.72%	0.00%	5.27%	3.09%	2.37%	0.08%	0.07%	1.45%	0.02%	0.00%
19:S	2.98%	2.33%	0.07%	0.00%	2.11%	0.06%	0.11%	0.06%	0.01%	0.35%	0.00%	0.08%	5.10%	0.00%	0.08%	83.88%	1.52%	0.07%	0.06%	1.14%
20:L	0.11%	0.08%	0.03%	0.00%	3.42%	0.05%	0.94%	0.83%	0.00%	84.58%	0.11%	0.00%	4.88%	0.06%	1.43%	0.10%	0.04%	3.38%	0.00%	0.02%
21:T	5.90%	0.10%	0.10%	0.01%	0.19%	0.18%	0.07%	4.33%	0.21%	0.30%	0.39%	1.27%	4.30%	0.01%	0.43%	5.78%	75.86%	0.55%	0.00%	0.05%
22:C	0.14%	71.48%	0.46%	0.02%	2.94%	1.97%	0.93%	0.04%	0.02%	0.39%	0.00%	0.45%	0.31%	0.02%	2.14%	6.74%	0.07%	2.13%	0.00%	9.66%
23:L	5.88%	0.38%	0.21%	0.03%	0.27%	0.54%	0.12%	4.06%	0.10%	0.29%	0.09%	1.97%	9.25%	0.01%	0.45%	11.09%	64.56%	0.63%	0.00%	0.07%
24:V	4.70%	0.02%	1.54%	0.08%	0.61%	2.19%	0.01%	1.12%	0.00%	1.42%	0.10%	0.02%	0.06%	0.00%	0.06%	0.08%	0.00%	87.96%	0.00%	0.01%
25:S	1.49%	2.85%	0.05%	0.00%	2.31%	0.11%	0.06%	0.04%	0.00%	0.30%	0.00%	0.03%	3.26%	0.00%	0.10%	87.48%	0.98%	0.11%	0.07%	0.74%
26:G	4.53%	1.07%	7.22%	0.54%	0.08%	78.00%	0.43%	0.20%	0.04%	0.08%	0.00%	0.54%	0.36%	0.03%	1.41%	2.81%	0.63%	1.77%	0.03%	0.23%
27:G	8.47%	0.80%	17.66%	0.56%	0.07%	65.07%	0.33%	0.09%	0.03%	0.10%	0.00%	0.26%	0.13%	0.01%	0.67%	1.06%	0.24%	4.16%	0.06%	0.24%
28:S	1.45%	1.63%	0.02%	0.00%	1.50%	0.04%	0.05%	0.03%	0.00%	0.30%	0.00%	0.02%	4.63%	0.00%	0.06%	88.94%	0.71%	0.05%	0.03%	0.53%
29:I	0.47%	0.15%	0.11%	0.01%	4.90%	0.21%	0.05%	67.04%	0.28%	6.21%	3.08%	0.97%	0.29%	0.01%	0.94%	1.85%	3.92%	9.48%	0.00%	0.04%
30:S	0.93%	2.19%	1.04%	0.11%	0.37%	3.35%	1.05%	7.59%	1.73%	0.50%	0.45%	15.08%	0.98%	0.10%	11.87%	37.17%	14.38%	0.58%	0.14%	0.40%
31:S	1.01%	3.95%	1.51%	0.09%	0.41%	7.74%	0.73%	2.64%	0.37%	0.33%	0.05%	9.73%	0.51%	0.04%	5.32%	56.91%	7.68%	0.36%	0.14%	0.47%
32:Y	0.28%	10.28%	5.52%	0.23%	6.87%	0.41%	10.89%	0.18%	0.25%	1.51%	0.01%	2.95%	0.49%	0.32%	0.72%	6.03%	0.17%	0.20%	0.29%	52.42%
33:Y	0.15%	10.61%	2.89%	0.03%	7.26%	0.47%	7.25%	0.14%	0.42%	1.39%	0.01%	3.36%	0.39%	0.44%	0.60%	7.31%	0.24%	0.11%	0.33%	56.59%
34:W	0.03%	2.34%	0.01%	0.09%	0.09%	2.72%	0.02%	0.00%	0.05%	1.40%	0.02%	0.01%	0.09%	0.10%	4.23%	1.21%	0.03%	0.04%	87.36%	0.17%
35:S	0.78%	0.77%	1.06%	0.15%	0.17%	4.15%	0.40%	4.65%	3.73%	0.17%	0.58%	18.90%	0.33%	0.12%	15.72%	35.49%	12.36%	0.33%	0.01%	0.15%
36:W	0.04%	6.57%	0.02%	0.06%	0.20%	2.08%	0.07%	0.01%	0.06%	1.46%	0.02%	0.02%	0.13%	0.11%	5.46%	1.62%	0.03%	0.03%	81.50%	0.50%
37:I	0.42%	0.05%	0.05%	0.02%	1.36%	0.16%	0.03%	74.34%	0.35%	3.52%	2.85%	0.94%	0.24%	0.01%	0.55%	2.03%	7.07%	5.99%	0.00%	0.01%
38:R	0.02%	0.28%	0.01%	0.01%	0.01%	1.00%	0.15%	0.00%	0.15%	0.49%	0.01%	0.01%	0.78%	1.11%	93.90%	0.09%	0.02%	0.01%	2.10%	0.01%
39:Q	0.04%	0.00%	0.05%	1.32%	0.00%	0.06%	2.28%	0.01%	1.23%	3.05%	0.04%	0.23%	2.03%	85.37%	4.09%	0.04%	0.05%	0.03%	0.05%	0.01%
40:P	13.90%	0.45%	0.06%	0.01%	0.43%	0.13%	0.41%	0.22%	0.03%	0.48%	0.01%	0.26%	44.76%	0.01%	0.02%	26.83%	11.28%	0.15%	0.01%	0.26%
41:P	0.60%	0.00%	0.00%	0.04%	0.00%	0.01%	0.12%	0.03%	0.01%	1.58%	0.00%	0.00%	93.35%	0.62%	0.96%	1.66%	1.00%	0.01%	0.00%	0.00%
42:G	1.48%	0.04%	0.47%	6.95%	0.00%	86.67%	0.01%	0.01%	0.15%	0.11%	0.07%	0.01%	0.05%	0.14%	1.49%	0.14%	0.07%	1.94%	0.20%	0.01%
43:K	0.22%	0.00%	0.07%	7.18%	0.00%	0.23%	0.05%	0.05%	77.80%	0.15%	1.03%	0.80%	0.15%	5.91%	3.92%	0.10%	2.18%	0.13%	0.02%	0.01%
44:G	0.90%	0.03%	0.24%	2.59%	0.00%	86.12%	0.05%	0.06%	0.15%	0.04%	0.01%	0.01%	0.02%	0.04%	9.22%	0.17%	0.08%	0.30%	0.01%	0.00%
45:L	0.06%	0.00%	0.00%	0.03%	0.05%	0.04%	0.05%	0.08%	0.02%	91.00%	0.39%	0.00%	3.05%	1.20%	2.62%	0.11%	0.05%	1.21%	0.04%	0.00%
46:E	4.81%	0.01%	12.77%	65.93%	0.01%	6.86%	0.29%	0.05%	3.53%	0.19%	0.20%	0.71%	0.16%	1.54%	0.31%	0.11%	0.39%	2.02%	0.02%	0.10%
47:W	0.11%	6.52%	0.04%	0.27%	0.21%	3.17%	0.04%	0.02%	0.27%	1.61%	0.09%	0.03%	0.12%	0.08%	7.48%	2.85%	0.13%	0.14%	76.44%	0.38%
48:I	0.38%	0.07%	0.07%	0.01%	1.72%	0.11%	0.04%	75.46%	0.19%	3.20%	2.15%	0.87%	0.32%	0.01%	0.24%	1.92%	9.18%	4.05%	0.00%	0.02%
49:G	2.95%	0.16%	3.43%	5.90%	0.02%	82.38%	0.04%	0.07%	0.17%	0.15%	0.04%	0.06%	0.11%	0.11%	1.48%	0.41%	0.23%	2.01%	0.27%	0.02%
50:Y	0.33%	7.75%	4.23%	0.34%	9.50%	0.29%	9.70%	0.68%	0.39%	1.91%	0.02%	5.81%	0.77%	0.57%	0.85%	10.71%	0.69%	0.42%	0.24%	44.79%
51:I	0.61%	0.25%	0.19%	0.03%	10.56%	0.29%	0.11%	50.34%	0.22%	13.80%	4.89%	0.84%	0.39%	0.01%	0.46%	1.61%	2.99%	12.30%	0.02%	0.09%
52:Y	0.23%	10.60%	2.41%	0.11%	11.39%	0.23%	7.28%	0.18%	0.12%	1.34%	0.00%	3.63%	0.60%	0.40%	0.65%	12.35%	0.40%	0.13%	0.26%	47.68%
53:Y	0.27%	10.96%	5.98%	0.10%	7.75%	0.43%	9.64%	0.15%	0.14%	1.12%	0.01%	3.60%	0.25%	0.45%	0.76%	6.84%	0.14%	0.23%	0.11%	50.98%
54:S	0.31%	4.57%	0.42%	0.03%	0.20%	5.56%	0.45%	1.98%	0.42%	0.15%	0.04%	4.70%	0.24%	0.03%	8.84%	66.15%	5.36%	0.17%	0.10%	0.25%
55:G	1.96%	0.06%	0.71%	6.89%	0.01%	83.35%	0.02%	0.02%	0.18%	0.12%	0.06%	0.02%	0.05%	0.16%	3.18%	0.10%	0.09%	1.75%	1.27%	0.01%
56:S	0.27%	0.88%	0.74%	0.17%	0.01%	3.90%	0.25%	3.33%	2.42%	0.14%	0.24%	5.73%	0.12%	0.08%	36.15%	40.41%	3.30%	1.69%	0.05%	0.08%
57:T	6.88%	0.13%	0.24%	0.02%	0.29%	0.28%	0.12%	6.15%	0.27%	0.30%	0.16%	2.41%	2.92%	0.01%	0.99%	7.72%	70.36%	0.68%	0.00%	0.07%
58:N	0.38%	0.34%	3.18%	0.45%	0.22%	0.38%	3.04%	2.73%	9.93%	0.22%	0.22%	59.69%	0.29%	0.44%	1.84%	7.07%	7.14%	0.21%	0.01%	3.39%
59:Y	0.15%	9.83%	2.90%	0.05%	3.88%	0.47%	7.23%	0.13%	0.37%	1.25%	0.01%	3.42%	0.41%	0.22%	0.62%	8.33%	0.30%	0.09%	0.33%	59.99%
60:N	0.29%	0.35%	4.64%	0.53%	0.19%	0.43%	3.09%	2.23%	12.85%	0.18%	0.23%	60.84%	0.22%	0.31%	1.87%	5.26%	4.17%	0.14%	0.01%	2.17%
61:P	3.06%	0.11%	0.05%	0.00%	0.16%	0.05%	1.04%	0.12%	0.01%	1.64%	0.01%	0.06%	83.78%	0.04%	0.68%	5.93%	3.02%	0.15%	0.00%	0.09%
62:S	1.93%	2.60%	0.10%	0.00%	2.27%	0.09%	0.09%	0.02%	0.01%	0.38%	0.00%	0.06%	5.76%	0.00%	0.05%	84.33%	0.89%	0.14%	0.07%	1.22%
63:L	0.11%	0.07%	0.03%	0.00%	2.86%	0.05%	0.91%	0.83%	0.00%	85.16%	0.13%	0.01%	4.91%	0.09%	1.43%	0.11%	0.14%	3.32%	0.00%	0.02%
64:K	0.38%	0.00%	0.15%	4.39%	0.00%	0.35%	0.16%	0.18%	74.54%	0.13%	1.89%	2.04%	0.22%	4.25%	3.82%	0.27%	6.97%	0.15%	0.05%	0.03%
65:S	0.04%	1.42%	0.12%	0.00%	0.02%	4.17%	0.10%	1.33%	0.13%	0.03%	0.03%	3.97%	0.06%	0.00%	6.40%	79.81%	2.25%	0.04%	0.05%	0.03%
66:R	0.03%	0.11%	0.01%	0.03%	0.00%	0.81%	0.40%	0.01%	0.01%	0.60%	0.00%	0.00%	1.86%	1.36%	94.53%	0.05%	0.01%	0.03%	0.15%	0.01%
67:V	4.97%	0.03%	1.66%	0.11%	1.22%	3.13%	0.03%	3.86%	0.01%	2.33%	0.11%	0.06%	0.17%	0.00%	0.08%	0.17%	0.31%	81.75%	0.00%	0.01%
68:T	6.12%	0.07%	0.09%	0.01%	0.16%	0.16%	0.06%	3.81%	0.08%	0.24%	0.08%	1.19%	4.35%	0.00%	0.64%	5.61%	76.86%	0.42%	0.00%	0.01%
69:I	0.78%	0.02%	0.04%	0.27%	1.07%	0.17%	0.03%	53.71%	3.48%	8.14%	8.91%	0.61%	0.77%	0.25%	3.82%	1.03%	11.76%	5.12%	0.01%	0.01%
70:S	1.85%	0.32%	0.02%	0.37%	0.45%	0.09%	0.01%	0.13%	0.04%	3.97%	0.01%	0.01%	3.91%	0.04%	0.12%	86.69%	1.61%	0.18%	0.09%	0.10%
71:V	4.31%	0.01%	0.57%	5.96%	0.40%	4.27%	0.03%	12.98%	0.82%	21.07%	1.38%	0.05%	1.31%	0.43%	1.39%	1.11%	2.09%	41.76%	0.01%	0.00%
72:D	3.27%	0.07%	77.00%	7.03%	0.04%	6.74%	1.14%	0.08%	0.17%	0.05%	0.00%	1.40%	0.08%	0.17%	0.13%	0.19%	0.15%	1.78%	0.00%	0.51%
73:T	6.17%	0.00%	0.01%	0.21%	0.01%	0.13%	0.00%	0.26%	1.33%	0.32%	2.52%	0.05%	4.66%	0.04%	1.06%	4.58%	78.02%	0.59%	0.05%	0.00%
74:S	2.89%	1.99%	0.05%	0.00%	0.86%	0.03%	0.09%	0.06%	0.00%	0.25%	0.00%	0.05%	5.34%	0.00%	0.08%	85.87%	1.61%	0.06%	0.08%	0.67%
75:K	0.41%	0.01%	0.21%	4.53%	0.00%	0.34%	0.15%	0.24%	73.11%	0.14%	1.81%	2.15%	0.25%	5.54%	3.79%	0.41%	6.67%	0.16%	0.04%	0.03%
76:N	0.23%	0.10%	2.65%	0.49%	0.08%	0.37%	1.40%	6.67%	13.73%	0.14%	0.35%	57.62%	0.10%	0.26%	2.11%	8.70%	4.22%	0.19%	0.01%	0.58%
77:Q	0.14%	0.03%	0.27%	2.59%	0.00%	0.14%	11.73%	0.03%	3.13%	3.03%	0.11%	0.47%	3.63%	69.12%	4.69%	0.16%	0.20%	0.16%	0.09%	0.26%
78:F	0.24%	2.99%	0.08%	0.01%	66.94%	0.13%	0.05%	3.11%	0.02%	17.25%	0.21%	0.06%	0.27%	0.01%	0.14%	3.49%	0.14%	3.89%	0.26%	0.72%
79:S	2.54%	2.58%	0.10%	0.00%	2.20%	0.11%	0.14%	0.04%	0.00%	0.56%	0.00%	0.07%	6.97%	0.00%	0.16%	81.85%	1.18%	0.19%	0.07%	1.23%
80:L	0.05%	0.00%	0.00%	0.04%	0.09%	0.03%	0.07%	0.07%	0.03%	89.92%	0.67%	0.00%	3.72%	2.00%	1.74%	0.07%	0.06%	1.43%	0.02%	0.00%
81:K	0.23%	0.02%	0.74%	4.13%	0.02%	0.52%	0.42%	1.35%	62.30%	0.23%	3.52%	7.62%	0.14%	3.01%	9.26%	1.52%	4.62%	0.22%	0.08%	0.06%
82:L	0.57%	0.02%	0.01%	0.39%	0.76%	0.42%	0.04%	0.57%	0.29%	73.59%	5.52%	0.01%	1.53%	0.73%	0.88%	1.30%	0.36%	12.34%	0.66%	0.00%
83:S	0.82%	1.07%	1.42%	0.11%	0.01%	4.22%	0.73%	5.07%	3.16%	0.21%	0.38%	19.99%	0.37%	0.06%	11.72%	36.95%	12.85%	0.38%	0.13%	0.24%
84:S	1.43%	3.38%	0.04%	0.01%	2.78%	0.10%	0.07%	0.06%	0.00%	0.32%	0.00%	0.04%	3.90%	0.00%	0.12%	85.96%	0.77%	0.10%	0.04%	0.84%
85:V	4.19%	0.00%	0.08%	3.07%	0.07%	2.69%	0.00%	0.26%	0.14%	11.50%	5.09%	0.00%	0.30%	0.16%	0.20%	0.19%	0.40%	71.58%	0.08%	0.00%
86:T	6.63%	0.03%	0.10%	0.00%	0.06%	0.12%	0.05%	3.67%	0.09%	0.11%	0.06%	1.51%	3.29%	0.00%	0.21%	3.35%	80.43%	0.26%	0.00%	0.02%
87:A	49.13%	0.19%	3.02%	0.40%	0.31%	6.36%	0.18%	1.17%	0.03%	0.76%	0.02%	0.39%	7.33%	0.02%	0.27%	5.55%	17.26%	7.53%	0.00%	0.06%
88:A	56.93%	0.01%	0.37%	5.85%	0.04%	3.88%	0.01%	0.14%	0.44%	1.50%	1.03%	0.00%	4.39%	0.17%	0.06%	2.39%	7.00%	15.33%	0.14%	0.00%
89:D	2.66%	0.04%	80.16%	6.94%	0.02%	3.25%	0.95%	0.09%	0.33%	0.05%	0.00%	2.03%	0.07%	0.11%	0.11%	0.17%	0.17%	2.49%	0.00%	0.36%
90:T	6.32%	0.00%	0.00%	0.18%	0.00%	0.10%	0.00%	0.08%	1.33%	0.19%	1.36%	0.00%	4.70%	0.05%	1.02%	4.60%	79.58%	0.41%	0.06%	0.00%
91:A	82.45%	0.01%	0.86%	0.03%	0.02%	1.19%	0.02%	0.18%	0.01%	0.06%	0.00%	0.08%	3.46%	0.00%	0.02%	1.82%	7.48%	2.30%	0.00%	0.01%
92:V	3.97%	0.01%	0.86%	3.40%	0.74%	2.18%	0.04%	3.74%	0.25%	9.78%	3.80%	0.01%	0.48%	0.21%	0.32%	0.21%	0.77%	69.16%	0.01%	0.01%
93:Y	0.27%	9.87%	4.07%	0.20%	10.82%	0.27%	7.78%	0.38%	0.20%	1.15%	0.01%	5.48%	0.63%	0.42%	0.62%	11.90%	0.45%	0.24%	0.24%	45.01%
94:Y	0.29%	10.05%	5.98%	0.10%	7.12%	0.48%	9.39%	0.20%	0.40%	1.35%	0.02%	3.41%	0.44%	0.56%	0.69%	6.19%	0.21%	0.22%	0.33%	52.58%
95:C	0.12%	73.27%	0.19%	0.01%	4.01%	1.27%	0.42%	0.05%	0.01%	0.39%	0.00%	0.18%	0.35%	0.01%	2.95%	8.94%	0.10%	0.04%	2.53%	5.16%
96:A	87.92%	0.00%	0.01%	1.24%	0.00%	0.68%	0.00%	0.02%	0.05%	0.23%	0.15%	0.00%	2.15%	0.03%	0.10%	1.50%	3.14%	2.66%	0.03%	0.00%
97:S	0.11%	1.81%	0.18%	0.01%	0.03%	6.80%	0.25%	1.28%	0.12%	0.08%	0.03%	3.86%	0.14%	0.01%	7.79%	75.24%	2.12%	0.07%	0.03%	0.04%
98:L	0.08%	0.00%	0.00%	0.04%	0.05%	0.06%	0.03%	0.04%	0.01%	82.68%	0.52%	0.00%	10.43%	1.40%	2.59%	0.12%	0.06%	1.81%	0.08%	0.00%
99:P	5.70%	0.14%	0.04%	0.00%	0.13%	0.02%	0.67%	0.16%	0.01%	1.02%	0.00%	0.12%	75.21%	0.03%	0.50%	11.44%	4.61%	0.13%	0.00%	0.05%
100:R	0.02%	0.02%	0.00%	0.06%	0.00%	3.73%	0.00%	0.02%	0.75%	0.02%	0.22%	0.03%	0.02%	0.04%	92.32%	0.72%	0.44%	0.02%	1.56%	0.00%
101:G	1.05%	0.37%	2.06%	0.08%	0.00%	94.64%	0.02%	0.01%	0.01%	0.01%	0.00%	0.05%	0.01%	0.00%	0.49%	0.51%	0.02%	0.65%	0.01%	0.01%
102:Q	0.04%	0.01%	0.07%	0.55%	0.01%	0.29%	14.44%	0.02%	0.42%	2.48%	0.00%	0.14%	5.41%	71.61%	4.56%	0.05%	0.05%	0.03%	0.00%	0.06%
103:L	0.34%	0.09%	0.01%	0.13%	3.94%	0.08%	0.01%	1.60%	0.07%	75.01%	0.24%	0.01%	0.80%	0.12%	0.20%	15.29%	0.33%	1.62%	0.08%	0.03%
104:V	5.17%	0.03%	1.71%	0.07%	0.81%	3.16%	0.02%	2.20%	0.01%	2.29%	0.07%	0.04%	0.14%	0.00%	0.05%	0.16%	0.22%	83.84%	0.00%	0.00%
105:N	0.46%	0.43%	3.00%	0.53%	0.25%	5.37%	3.78%	3.40%	7.68%	0.26%	0.33%	50.45%	0.51%	0.44%	1.76%	12.99%	11.50%	0.22%	0.01%	1.43%
106:A	75.80%	0.17%	3.72%	0.21%	0.15%	3.64%	0.05%	0.34%	0.02%	0.25%	0.03%	0.14%	2.04%	0.00%	0.05%	1.29%	3.65%	8.50%	0.00%	0.05%
107:Y	0.20%	10.70%	3.90%	0.09%	6.87%	0.33%	8.49%	0.13%	0.44%	1.31%	0.01%	4.72%	0.48%	0.21%	0.53%	6.78%	0.30%	0.11%	0.43%	53.99%
108:F	0.11%	2.48%	0.03%	0.00%	72.66%	0.05%	0.08%	1.05%	0.00%	12.58%	0.04%	0.05%	0.70%	0.01%	0.11%	8.16%	0.16%	0.88%	0.09%	0.76%
109:D	4.14%	0.06%	77.90%	5.89%	0.04%	6.65%	0.99%	0.08%	0.21%	0.07%	0.01%	1.10%	0.08%	0.13%	0.08%	0.16%	0.15%	1.78%	0.00%	0.48%
110:Y	0.12%	10.62%	2.64%	0.04%	7.30%	0.48%	6.71%	0.13%	0.40%	1.37%	0.01%	3.30%	0.36%	0.42%	0.58%	7.40%	0.25%	0.10%	0.34%	57.43%
111:W	0.01%	0.77%	0.00%	0.02%	0.02%	2.83%	0.00%	0.00%	0.01%	0.65%	0.01%	0.00%	0.02%	0.01%	4.53%	0.69%	0.01%	0.01%	90.37%	0.03%
112:G	1.07%	0.36%	2.07%	0.08%	0.00%	94.63%	0.02%	0.01%	0.01%	0.01%	0.00%	0.05%	0.01%	0.00%	0.48%	0.51%	0.02%	0.66%	0.01%	0.01%
113:Q	0.03%	0.01%	0.07%	0.56%	0.01%	0.03%	22.08%	0.02%	0.41%	2.67%	0.00%	0.17%	5.92%	62.43%	5.32%	0.06%	0.07%	0.04%	0.00%	0.12%
114:G	1.63%	0.20%	0.55%	5.62%	0.00%	83.85%	0.02%	0.15%	0.18%	0.16%	0.01%	0.02%	0.13%	0.09%	6.18%	0.15%	0.25%	0.98%	0.01%	0.00%
115:T	5.90%	0.43%	1.11%	0.06%	0.76%	1.37%	0.35%	10.62%	0.57%	0.81%	0.73%	5.23%	3.17%	0.03%	0.30%	13.05%	52.21%	2.62%	0.01%	0.18%
116:L	0.08%	0.00%	0.00%	0.04%	0.07%	0.06%	0.05%	0.08%	0.02%	79.74%	0.81%	0.00%	3.49%	1.45%	12.25%	0.12%	0.05%	1.59%	0.09%	0.00%
117:V	4.56%	0.02%	1.35%	0.11%	0.84%	1.37%	0.01%	3.41%	0.01%	2.31%	0.10%	0.03%	0.08%	0.00%	0.05%	0.10%	0.15%	85.49%	0.00%	0.00%
118:T	5.86%	0.09%	0.18%	0.01%	0.15%	0.25%	0.07%	3.18%	0.09%	0.20%	0.05%	1.22%	4.34%	0.00%	0.30%	5.94%	77.47%	0.55%	0.00%	0.05%
119:V	4.72%	0.02%	1.40%	0.10%	0.69%	2.13%	0.01%	1.63%	0.00%	2.77%	0.13%	0.04%	0.11%	0.00%	0.04%	0.06%	0.17%	86.00%	0.00%	0.00%
120:S	2.62%	1.66%	0.06%	0.00%	1.81%	0.06%	0.15%	0.05%	0.00%	0.54%	0.00%	0.07%	7.10%	0.00%	0.13%	83.24%	1.14%	0.12%	0.12%	1.11%
121:S	1.41%	0.34%	0.01%	0.04%	0.61%	0.06%	0.03%	0.07%	0.03%	5.38%	0.00%	0.01%	4.47%	0.15%	0.20%	85.74%	0.90%	0.08%	0.16%	0.31%