	A	C	D	E	F	G	H	I	K	L	M	N	P	Q	R	S	T	V	W	Y
1:Q	0.59%	0.03%	0.57%	5.65%	0.03%	0.61%	4.78%	0.10%	5.74%	6.54%	0.53%	0.53%	6.19%	59.17%	6.82%	0.38%	0.60%	0.62%	0.29%	0.25%
2:V	5.56%	0.03%	0.27%	4.18%	0.47%	3.80%	0.02%	3.42%	0.74%	9.13%	6.76%	0.06%	0.37%	0.18%	0.70%	0.37%	1.15%	62.71%	0.07%	0.01%
3:Q	0.15%	0.10%	0.43%	1.67%	0.07%	0.22%	12.36%	0.17%	6.38%	3.74%	0.16%	1.41%	2.97%	62.56%	5.91%	0.47%	0.47%	0.19%	0.44%	0.24%
4:L	1.19%	0.03%	0.04%	0.69%	0.92%	0.60%	0.06%	1.14%	0.64%	64.77%	6.45%	0.04%	2.82%	0.96%	1.87%	1.60%	0.86%	14.90%	0.40%	0.01%
5:V	5.33%	0.03%	0.29%	4.15%	0.38%	3.88%	0.03%	3.09%	0.73%	9.36%	6.54%	0.06%	0.52%	0.25%	0.67%	0.33%	1.25%	63.08%	0.06%	0.00%
6:Q	0.35%	0.05%	0.21%	1.15%	0.06%	0.35%	7.54%	0.07%	4.23%	10.48%	0.37%	0.73%	6.68%	56.93%	7.72%	0.69%	0.54%	0.54%	1.16%	0.15%
7:S	2.21%	2.65%	0.05%	0.00%	2.64%	0.09%	0.07%	0.09%	0.00%	0.46%	0.00%	0.00%	5.20%	0.01%	0.14%	83.25%	1.21%	0.11%	0.11%	0.76%
8:G	0.78%	0.02%	0.12%	3.44%	0.00%	90.03%	0.00%	0.00%	0.12%	0.08%	0.05%	0.01%	0.04%	0.09%	3.25%	0.06%	0.08%	0.85%	0.98%	0.00%
9:A	59.29%	0.08%	0.55%	0.06%	0.11%	1.43%	0.10%	0.58%	0.01%	0.33%	0.01%	0.18%	10.33%	0.01%	0.16%	4.60%	20.62%	1.52%	0.00%	0.03%
10:E	3.76%	0.02%	8.19%	67.43%	0.02%	7.24%	0.45%	0.06%	3.74%	0.31%	0.20%	0.49%	0.38%	4.27%	0.62%	0.18%	0.58%	1.87%	0.05%	0.14%
11:V	6.46%	0.01%	0.34%	5.28%	0.14%	5.36%	0.01%	1.50%	0.46%	9.28%	8.55%	0.03%	0.24%	0.11%	0.53%	0.36%	0.85%	60.34%	0.15%	0.00%
12:K	0.53%	0.01%	0.42%	5.58%	0.01%	0.93%	0.19%	0.90%	55.78%	0.47%	6.41%	2.50%	0.25%	4.05%	14.28%	0.56%	0.40%	0.49%	0.22%	0.03%
13:K	0.46%	0.01%	0.29%	5.93%	0.00%	1.24%	0.08%	0.50%	59.89%	0.44%	5.76%	1.31%	0.21%	3.26%	13.94%	0.41%	5.50%	0.48%	0.26%	0.01%
14:P	4.65%	0.39%	0.06%	0.02%	0.40%	0.12%	0.54%	0.19%	0.03%	1.60%	0.02%	0.17%	71.46%	0.08%	1.24%	12.43%	6.21%	0.27%	0.05%	0.08%
15:G	0.54%	0.01%	0.09%	2.52%	0.00%	91.54%	0.00%	0.00%	0.10%	0.07%	0.04%	0.00%	0.02%	0.08%	3.29%	0.05%	0.06%	0.63%	0.97%	0.00%
16:A	90.26%	0.01%	1.26%	0.06%	0.01%	1.06%	0.02%	0.08%	0.01%	0.03%	0.01%	1.59%	0.00%	0.01%	0.95%	2.95%	1.62%	0.00%	0.01%	0.01%
17:S	1.75%	0.20%	0.02%	0.12%	0.27%	0.05%	0.01%	0.06%	0.02%	2.63%	0.01%	0.01%	6.80%	0.04%	0.12%	86.36%	1.31%	0.06%	0.11%	0.07%
18:V	3.44%	0.00%	0.23%	3.53%	0.12%	3.24%	0.01%	1.17%	0.22%	11.04%	6.16%	0.02%	0.33%	0.17%	0.35%	0.18%	0.46%	69.27%	0.06%	0.00%
19:K	0.31%	0.02%	0.60%	6.31%	0.01%	0.46%	0.37%	0.47%	70.07%	0.16%	1.02%	5.95%	0.16%	4.53%	4.90%	0.95%	3.47%	0.12%	0.07%	0.06%
20:V	9.58%	0.03%	3.83%	0.23%	0.35%	4.67%	0.03%	1.32%	0.03%	1.11%	0.19%	0.10%	0.12%	0.00%	0.05%	0.16%	0.30%	77.86%	0.00%	0.00%
21:S	3.39%	2.14%	0.12%	0.00%	2.28%	0.12%	0.26%	0.09%	0.01%	0.95%	0.01%	0.12%	9.22%	0.01%	0.22%	77.76%	1.50%	0.23%	0.12%	1.43%
22:C	0.27%	61.02%	0.79%	0.04%	3.25%	2.87%	1.54%	0.07%	0.07%	1.23%	0.01%	0.69%	0.59%	0.06%	2.59%	8.75%	0.18%	0.13%	5.01%	10.85%
23:K	1.64%	0.01%	0.18%	6.93%	0.01%	1.07%	0.09%	0.23%	46.58%	0.66%	4.94%	0.97%	1.25%	3.93%	13.78%	15.83%	0.98%	0.59%	0.31%	0.03%
24:A	48.92%	0.13%	1.16%	0.08%	0.13%	1.66%	0.13%	0.73%	0.03%	0.30%	0.02%	0.39%	11.42%	0.01%	0.14%	6.87%	26.33%	1.51%	0.00%	0.06%
25:S	2.72%	11.97%	0.22%	0.02%	9.88%	0.28%	0.33%	0.24%	0.01%	1.86%	0.01%	0.20%	4.08%	0.02%	0.31%	63.35%	1.04%	0.45%	0.45%	2.56%
26:G	5.34%	0.04%	2.77%	11.24%	0.03%	68.85%	0.10%	0.32%	0.67%	0.40%	0.03%	0.17%	0.47%	0.33%	5.82%	0.42%	0.89%	2.04%	0.04%	0.03%
27:Y	0.48%	9.53%	9.83%	0.72%	7.26%	1.24%	13.14%	0.75%	1.00%	2.04%	0.03%	9.66%	0.82%	0.66%	1.68%	8.28%	0.69%	0.45%	0.25%	31.48%
28:T	10.32%	0.24%	0.30%	0.03%	0.40%	0.41%	0.14%	5.29%	0.31%	0.44%	0.55%	1.68%	7.27%	0.01%	0.72%	9.59%	61.18%	0.96%	0.02%	0.15%
29:F	0.15%	4.07%	0.07%	0.01%	65.85%	0.12%	0.19%	0.78%	0.01%	20.12%	0.06%	0.06%	0.71%	0.02%	0.27%	0.24%	0.06%	2.02%	0.16%	1.00%
30:T	7.59%	0.19%	0.37%	0.02%	0.28%	0.46%	0.13%	4.22%	0.18%	0.42%	0.10%	1.56%	5.65%	0.01%	0.52%	7.80%	69.42%	1.02%	0.01%	0.09%
31:G	10.99%	0.44%	20.14%	1.32%	0.06%	57.94%	0.45%	0.15%	0.06%	0.20%	0.02%	0.42%	0.18%	0.05%	1.00%	1.04%	0.39%	4.98%	0.02%	0.15%
32:Y	0.24%	12.15%	3.04%	0.16%	8.25%	0.45%	10.11%	0.26%	0.53%	2.72%	0.02%	4.29%	0.86%	0.44%	1.12%	9.66%	0.45%	0.17%	0.53%	44.56%
33:Y	0.38%	12.25%	2.94%	0.35%	13.62%	0.40%	7.25%	0.39%	0.25%	2.89%	0.02%	3.19%	1.23%	0.50%	0.93%	15.97%	0.57%	0.25%	0.56%	36.07%
34:M	1.47%	0.11%	0.08%	0.66%	3.48%	0.73%	0.05%	17.31%	1.61%	27.25%	19.42%	0.21%	1.89%	0.36%	2.69%	1.76%	6.24%	14.21%	0.44%	2.64%
35:H	0.65%	0.60%	2.88%	0.26%	0.78%	0.29%	48.89%	0.56%	1.80%	6.44%	0.08%	7.02%	8.66%	7.37%	7.40%	1.85%	1.14%	0.61%	0.10%	2.64%
36:W	0.03%	4.60%	0.02%	0.15%	4.45%	0.03%	0.00%	0.00%	0.39%	0.98%	0.02%	0.01%	0.07%	0.04%	6.27%	1.30%	0.20%	0.03%	81.63%	0.25%
37:V	5.07%	0.00%	0.25%	3.68%	0.16%	3.85%	0.02%	1.50%	0.69%	8.73%	5.90%	0.05%	0.67%	0.35%	0.56%	0.38%	1.03%	67.06%	0.05%	0.00%
38:R	0.05%	0.51%	0.01%	0.08%	0.01%	1.31%	0.41%	0.02%	0.26%	0.56%	0.00%	0.04%	1.88%	1.20%	91.79%	0.33%	0.08%	0.02%	1.43%	0.01%
39:Q	0.07%	0.00%	0.03%	1.26%	0.00%	0.11%	1.03%	0.00%	1.02%	1.69%	0.02%	0.04%	2.77%	86.04%	5.65%	0.08%	0.06%	0.04%	0.07%	0.01%
40:A	89.50%	0.02%	0.59%	0.22%	0.02%	1.90%	0.01%	0.09%	0.01%	0.02%	0.00%	0.00%	1.19%	0.00%	0.03%	1.07%	3.36%	1.87%	0.00%	0.15%
41:P	0.81%	0.07%	0.03%	0.01%	0.06%	0.06%	0.88%	0.06%	0.00%	2.44%	0.00%	0.03%	89.70%	0.22%	1.72%	2.38%	1.42%	0.09%	0.00%	0.02%
42:G	1.02%	0.05%	0.31%	2.57%	0.06%	87.09%	0.02%	0.06%	0.14%	0.06%	0.01%	0.02%	0.08%	0.07%	7.55%	0.35%	0.16%	0.40%	0.03%	0.00%
43:Q	0.11%	0.06%	0.45%	1.32%	0.06%	0.15%	24.57%	0.14%	0.91%	4.21%	0.01%	1.17%	4.29%	53.95%	7.49%	0.34%	0.20%	0.17%	0.01%	0.39%
44:G	0.78%	0.17%	0.69%	2.58%	0.00%	90.59%	0.00%	0.02%	0.03%	0.07%	0.06%	0.03%	0.04%	0.05%	3.12%	0.49%	0.08%	0.74%	0.43%	0.00%
45:L	0.16%	0.08%	0.04%	0.01%	2.32%	0.05%	1.12%	1.55%	0.00%	77.20%	0.04%	0.07%	12.47%	0.18%	1.51%	0.37%	0.24%	2.58%	0.00%	0.03%
46:E	4.24%	0.02%	16.23%	58.46%	0.02%	7.44%	0.45%	0.07%	4.20%	0.38%	0.27%	0.47%	0.36%	3.67%	0.60%	0.20%	0.65%	2.10%	0.05%	0.11%
47:W	0.20%	7.63%	0.09%	0.40%	4.34%	0.10%	0.04%	0.39%	2.05%	0.13%	0.06%	0.21%	0.12%	9.47%	3.62%	0.21%	0.25%	0.25%	69.71%	0.60%
48:M	1.54%	0.00%	0.02%	0.90%	0.08%	0.66%	0.01%	3.38%	4.99%	12.31%	46.70%	0.00%	0.63%	0.39%	5.11%	0.40%	7.70%	15.02%	0.09%	0.00%
49:G	8.82%	0.07%	3.70%	17.60%	0.04%	52.53%	0.10%	0.71%	1.48%	0.62%	0.10%	0.30%	0.68%	0.42%	7.52%	0.88%	1.63%	2.73%	0.06%	0.03%
50:W	0.15%	6.09%	0.12%	0.33%	0.50%	6.20%	0.32%	0.05%	0.20%	3.53%	0.11%	0.13%	0.50%	0.41%	13.77%	4.14%	0.14%	0.25%	62.12%	0.93%
51:I	0.56%	0.06%	0.15%	0.04%	1.73%	0.24%	0.06%	70.27%	0.41%	5.23%	2.96%	1.09%	0.28%	0.02%	1.40%	2.53%	4.75%	8.20%	0.01%	0.02%
52:N	0.45%	0.52%	5.30%	1.00%	0.26%	0.82%	5.06%	2.84%	14.33%	0.46%	0.41%	49.75%	0.45%	0.70%	3.30%	6.27%	5.66%	0.35%	0.04%	2.01%
53:P	3.00%	0.31%	0.10%	0.03%	0.40%	0.16%	1.07%	0.29%	0.11%	3.19%	0.01%	0.10%	79.62%	0.17%	2.20%	5.47%	3.37%	0.40%	0.01%	0.10%
54:N	0.91%	0.65%	13.20%	1.54%	0.76%	1.45%	6.03%	4.23%	7.76%	0.84%	0.37%	43.38%	0.37%	0.96%	4.28%	5.95%	4.01%	0.83%	0.04%	2.43%
55:S	0.55%	5.40%	0.76%	0.07%	6.88%	0.77%	2.86%	0.72%	0.29%	0.10%	5.87%	0.47%	0.08%	0.47%	11.04%	55.57%	7.21%	0.32%	0.18%	0.43%
56:G	6.21%	2.71%	8.61%	0.93%	0.26%	66.29%	0.72%	0.42%	0.08%	0.32%	0.01%	0.88%	0.40%	0.07%	3.22%	5.60%	0.67%	2.09%	0.12%	0.40%
57:G	6.92%	0.77%	12.87%	2.30%	0.12%	66.60%	0.33%	0.19%	0.08%	0.18%	0.01%	0.30%	0.17%	0.04%	3.06%	0.90%	0.32%	4.50%	0.04%	0.29%
58:T	5.60%	0.02%	0.08%	0.93%	0.04%	0.57%	0.02%	3.99%	1.99%	0.70%	0.49%	0.31%	4.41%	0.11%	6.22%	4.68%	69.35%	0.56%	0.01%	0.11%
59:N	0.51%	0.99%	10.59%	1.69%	0.75%	0.76%	9.31%	3.57%	9.05%	0.78%	0.55%	39.84%	0.59%	1.25%	2.43%	5.62%	4.93%	0.57%	0.06%	6.15%
60:Y	0.33%	12.21%	3.20%	0.38%	13.10%	0.42%	7.04%	0.37%	0.28%	2.21%	0.02%	3.29%	1.08%	0.53%	0.94%	14.84%	0.58%	0.24%	0.37%	38.57%
61:A	41.44%	0.03%	0.87%	9.21%	0.09%	2.74%	0.08%	1.23%	0.78%	1.51%	0.13%	0.09%	11.13%	0.56%	1.15%	1.86%	18.85%	1.86%	0.02%	0.02%
62:Q	0.26%	0.02%	0.43%	6.86%	0.01%	0.47%	3.30%	0.02%	2.30%	3.83%	0.17%	0.11%	3.15%	71.30%	6.94%	0.13%	0.32%	0.15%	0.02%	0.02%
63:K	0.70%	0.02%	0.70%	5.16%	0.03%	0.84%	0.39%	1.92%	55.38%	0.48%	4.10%	9.83%	0.33%	2.36%	7.87%	1.53%	7.70%	0.45%	0.13%	0.09%
64:F	0.41%	3.41%	0.15%	0.01%	60.91%	0.24%	0.12%	3.62%	0.01%	12.64%	0.14%	0.10%	1.43%	0.01%	0.21%	11.34%	0.65%	3.66%	0.15%	0.80%
65:Q	0.48%	0.03%	0.35%	5.70%	0.01%	0.64%	3.41%	0.03%	3.50%	2.93%	0.16%	0.17%	5.92%	69.72%	5.10%	0.41%	0.46%	0.35%	0.54%	0.07%
66:G	6.57%	0.30%	19.21%	0.53%	0.16%	12.67%	0.20%	0.69%	0.08%	0.48%	0.04%	0.60%	0.10%	0.02%	0.74%	0.74%	0.26%	56.49%	0.01%	0.11%
67:R	0.07%	0.23%	0.03%	0.14%	0.01%	6.36%	0.02%	0.18%	1.11%	0.06%	0.29%	0.24%	0.06%	0.06%	83.45%	3.93%	0.98%	0.05%	2.73%	0.01%
68:V	6.41%	0.02%	1.90%	0.21%	0.71%	1.84%	0.02%	2.96%	0.02%	1.48%	0.13%	0.07%	0.12%	0.01%	0.09%	0.16%	0.24%	83.61%	0.00%	0.01%
69:T	7.93%	0.14%	0.17%	0.02%	0.29%	0.29%	0.13%	4.70%	0.15%	0.45%	0.14%	1.47%	5.76%	0.01%	1.04%	7.10%	69.35%	0.79%	0.01%	0.07%
70:M	0.80%	0.01%	0.01%	0.45%	0.17%	0.50%	0.01%	3.27%	5.33%	11.49%	49.61%	0.13%	0.59%	0.40%	8.90%	0.65%	9.67%	7.78%	0.21%	0.00%
71:T	8.49%	0.08%	0.27%	0.02%	0.16%	0.16%	0.15%	5.99%	0.40%	0.29%	0.23%	3.30%	4.99%	0.02%	1.28%	4.45%	69.95%	0.61%	0.00%	0.05%
72:R	0.07%	0.16%	0.03%	0.13%	0.01%	5.40%	0.02%	0.17%	1.18%	0.07%	0.30%	0.22%	0.07%	0.10%	85.19%	3.76%	0.97%	0.05%	2.11%	0.01%
73:D	3.71%	0.06%	72.91%	8.47%	0.04%	4.37%	1.11%	0.23%	0.72%	0.08%	0.01%	3.08%	0.09%	0.24%	0.30%	0.37%	0.29%	3.52%	0.00%	0.40%
74:T	7.62%	0.01%	0.02%	0.40%	0.02%	0.25%	0.01%	0.47%	1.76%	0.60%	3.18%	0.01%	6.17%	0.08%	1.52%	6.09%	70.56%	1.06%	0.10%	0.00%
75:S	3.85%	2.55%	0.08%	0.00%	1.39%	0.06%	0.16%	0.14%	0.01%	0.28%	0.00%	0.09%	7.00%	0.01%	0.15%	81.04%	2.16%	0.11%	0.04%	0.88%
76:I	0.84%	0.25%	0.19%	0.03%	5.96%	0.37%	0.11%	56.76%	0.47%	8.37%	3.74%	1.20%	0.54%	0.03%	1.57%	2.35%	5.05%	12.06%	0.01%	0.08%
77:S	0.84%	2.70%	1.09%	0.25%	0.29%	7.07%	1.24%	3.57%	2.17%	0.54%	0.25%	8.91%	0.71%	0.15%	38.99%	22.12%	7.70%	0.62%	0.22%	0.57%
78:T	6.07%	0.03%	0.09%	1.00%	0.06%	0.71%	0.03%	4.91%	2.39%	0.99%	0.70%	0.35%	4.57%	0.14%	6.75%	5.14%	65.34%	0.68%	0.01%	0.01%
79:A	67.23%	0.09%	6.21%	0.63%	0.24%	5.27%	0.07%	0.69%	0.03%	0.71%	0.06%	0.19%	1.90%	0.01%	0.09%	1.04%	3.01%	12.47%	0.00%	0.06%
80:Y	0.44%	11.86%	4.72%	0.20%	5.28%	0.61%	10.22%	0.25%	0.44%	1.40%	0.01%	5.27%	1.03%	0.42%	1.11%	10.58%	0.70%	0.18%	0.18%	45.10%
81:M	0.79%	0.04%	0.03%	0.41%	0.35%	0.91%	0.02%	10.09%	1.85%	12.97%	42.20%	0.18%	0.47%	0.15%	13.48%	1.57%	5.39%	8.73%	0.37%	0.01%
82:E	3.35%	0.03%	18.49%	58.10%	0.02%	7.88%	0.62%	0.16%	4.35%	0.19%	0.18%	1.19%	0.19%	2.15%	0.73%	0.27%	0.51%	1.41%	0.02%	0.16%
83:L	0.93%	0.04%	0.03%	0.66%	1.33%	0.68%	0.07%	0.91%	0.46%	66.21%	6.29%	0.02%	2.11%	0.95%	1.34%	1.96%	0.60%	14.42%	0.97%	0.01%
84:S	1.14%	1.32%	1.26%	0.27%	0.14%	4.15%	0.66%	4.08%	4.01%	0.36%	0.48%	5.67%	0.33%	0.15%	42.73%	26.55%	4.40%	2.63%	0.14%	0.16%
85:R	0.11%	0.99%	0.08%	0.17%	0.02%	8.03%	0.04%	0.34%	1.06%	0.08%	0.27%	0.51%	0.07%	0.06%	68.53%	16.69%	0.99%	0.09%	1.83%	0.02%
86:L	0.10%	0.00%	0.00%	0.07%	0.19%	0.07%	0.11%	0.16%	0.04%	89.97%	0.65%	0.01%	3.36%	1.56%	1.51%	0.22%	0.07%	1.79%	0.10%	0.00%
87:R	0.73%	0.04%	0.21%	1.33%	0.02%	4.39%	0.10%	2.58%	12.19%	0.25%	0.38%	2.00%	0.46%	0.51%	64.51%	2.14%	7.79%	0.28%	0.07%	0.02%
88:S	1.28%	10.87%	0.27%	0.03%	11.06%	1.08%	0.49%	0.64%	0.01%	2.32%	0.01%	0.31%	4.00%	0.04%	2.23%	60.28%	1.57%	0.66%	0.32%	2.55%
89:D	4.13%	0.09%	81.15%	1.77%	0.05%	7.76%	0.87%	0.05%	0.16%	0.04%	0.00%	0.94%	0.07%	0.07%	0.10%	0.20%	0.13%	1.88%	0.00%	0.50%
90:D	6.80%	0.09%	66.31%	8.30%	0.05%	10.27%	1.78%	0.13%	0.35%	0.16%	0.01%	1.42%	0.21%	0.31%	0.36%	0.35%	0.47%	2.18%	0.00%	0.46%
91:T	8.20%	0.00%	0.01%	0.33%	0.00%	0.22%	0.00%	0.14%	1.71%	0.39%	1.93%	0.04%	6.41%	0.10%	1.61%	6.09%	71.91%	0.79%	0.12%	0.00%
92:A	76.68%	0.02%	1.16%	0.06%	0.04%	1.56%	0.04%	0.34%	0.01%	0.10%	0.01%	0.14%	4.52%	0.00%	0.05%	2.55%	9.60%	3.10%	0.00%	0.02%
93:V	5.06%	0.03%	1.29%	3.88%	1.13%	2.85%	0.09%	4.96%	0.42%	12.38%	4.16%	0.11%	0.95%	0.35%	0.60%	0.46%	1.38%	59.85%	0.03%	0.02%
94:Y	0.48%	11.28%	4.64%	0.30%	12.44%	0.47%	8.81%	0.63%	0.35%	1.96%	0.02%	6.09%	1.11%	0.67%	1.07%	14.78%	0.80%	0.44%	0.37%	33.30%
95:Y	0.52%	11.31%	7.35%	0.19%	8.78%	0.78%	10.90%	0.34%	0.62%	2.33%	0.03%	3.78%	0.81%	0.98%	1.18%	7.94%	0.38%	0.43%	0.55%	40.78%
96:C	0.21%	64.75%	0.31%	0.03%	5.21%	1.78%	0.74%	0.10%	0.02%	0.74%	0.00%	0.31%	0.66%	0.04%	3.92%	11.61%	0.20%	0.08%	3.26%	6.01%
97:A	81.81%	0.00%	0.14%	1.98%	0.01%	1.12%	0.01%	0.06%	0.11%	0.50%	0.28%	0.01%	3.10%	0.07%	0.20%	2.15%	4.34%	4.04%	0.07%	0.00%
98:R	0.52%	0.06%	0.16%	1.04%	0.01%	10.27%	0.10%	2.94%	7.97%	0.28%	0.45%	1.00%	0.40%	0.46%	66.39%	3.17%	4.21%	0.46%	0.08%	0.01%
99:R	0.32%	0.09%	0.18%	0.95%	0.02%	15.23%	0.13%	1.17%	2.46%	0.31%	0.12%	0.77%	0.31%	0.35%	73.30%	1.94%	2.02%	0.27%	0.04%	0.02%
100:M	0.88%	0.01%	0.04%	0.68%	0.51%	0.58%	0.02%	5.90%	2.21%	17.68%	43.34%	0.12%	0.52%	0.22%	3.57%	0.48%	3.89%	19.32%	0.13%	0.00%
101:R	0.34%	0.06%	0.03%	0.75%	0.01%	6.74%	0.03%	0.26%	9.81%	0.37%	0.27%	3.53%	0.24%	0.47%	68.97%	6.75%	4.98%	0.29%	2.15%	0.00%
102:S	3.07%	1.16%	0.09%	0.01%	1.41%	0.05%	0.13%	0.08%	0.02%	0.64%	0.01%	0.13%	6.70%	0.01%	0.07%	83.67%	1.71%	0.10%	0.14%	0.81%
103:*	0.24%	0.92%	0.59%	4.46%	0.50%	1.42%	1.07%	0.04%	4.03%	6.27%	0.27%	0.35%	0.85%	14.88%	1.74%	4.80%	0.76%	0.20%	11.11%	4.31%
104:D	4.55%	0.11%	74.83%	4.03%	0.04%	8.40%	1.03%	0.21%	0.41%	0.07%	0.01%	3.07%	0.07%	0.08%	0.18%	0.45%	0.24%	1.68%	0.00%	0.54%
105:R	0.16%	3.37%	0.26%	0.01%	0.22%	1.83%	10.07%	0.06%	0.03%	2.90%	0.00%	0.28%	4.78%	0.54%	73.27%	1.32%	0.15%	0.14%	0.08%	0.54%
106:E	6.06%	0.02%	15.45%	58.85%	0.02%	8.71%	0.69%	0.06%	2.02%	0.26%	0.14%	0.61%	0.38%	2.80%	0.44%	0.25%	0.70%	2.29%	0.03%	0.15%
107:W	0.08%	3.96%	0.02%	0.10%	0.13%	5.06%	0.02%	0.02%	0.06%	1.71%	0.05%	0.02%	0.10%	0.05%	10.64%	1.91%	0.06%	0.07%	75.83%	0.14%
108:D	4.58%	0.00%	76.14%	3.69%	0.03%	7.08%	1.09%	0.17%	0.56%	0.10%	0.02%	3.15%	0.14%	0.17%	0.17%	0.35%	0.33%	1.78%	0.00%	0.40%
109:F	0.13%	3.54%	0.05%	0.01%	55.35%	0.24%	0.17%	1.59%	0.01%	29.10%	0.13%	0.04%	0.94%	0.04%	0.46%	5.15%	0.14%	2.01%	0.26%	0.63%
110:Q	0.18%	0.09%	0.37%	1.62%	0.06%	0.19%	10.37%	0.05%	1.45%	3.65%	0.08%	0.37%	4.59%	69.41%	6.20%	0.31%	0.22%	0.15%	0.17%	0.47%
111:H	1.24%	1.10%	6.18%	0.53%	0.95%	0.54%	27.87%	1.45%	5.72%	4.90%	0.26%	20.63%	4.96%	4.35%	5.94%	4.43%	3.27%	0.62%	0.11%	4.94%
112:W	0.03%	1.00%	0.00%	0.06%	0.04%	4.53%	0.01%	0.00%	0.02%	0.92%	0.02%	0.00%	0.05%	0.03%	6.45%	1.01%	0.01%	0.02%	85.74%	0.02%
113:G	1.55%	0.50%	2.86%	0.14%	0.01%	91.98%	0.04%	0.03%	0.01%	0.01%	0.00%	0.10%	0.02%	0.00%	0.73%	0.70%	0.05%	1.21%	0.01%	0.02%
114:Q	0.08%	0.08%	0.08%	1.70%	0.00%	0.08%	3.52%	0.01%	0.99%	2.10%	0.06%	0.05%	6.56%	79.20%	5.18%	0.07%	0.23%	0.04%	0.02%	0.01%
115:G	6.28%	0.26%	15.57%	2.42%	0.14%	21.81%	0.18%	0.67%	0.20%	0.46%	0.05%	0.55%	0.09%	0.05%	1.87%	0.71%	0.27%	48.32%	0.01%	0.10%
116:T	7.90%	0.21%	0.54%	0.03%	0.30%	0.59%	0.15%	3.15%	0.30%	0.29%	0.26%	2.15%	5.21%	0.01%	1.28%	8.20%	69.02%	1.18%	0.01%	0.12%
117:L	0.13%	0.01%	0.01%	0.07%	0.11%	0.11%	0.12%	0.11%	0.03%	73.48%	0.86%	0.00%	4.80%	1.90%	16.03%	0.21%	0.07%	1.79%	0.14%	0.00%
118:V	6.25%	0.03%	1.84%	0.22%	1.11%	1.73%	0.03%	4.38%	0.02%	3.01%	0.19%	0.07%	0.16%	0.01%	0.10%	0.11%	0.29%	80.36%	0.00%	0.01%
119:T	7.45%	0.17%	0.33%	0.02%	0.27%	0.45%	0.12%	3.99%	0.16%	0.40%	0.09%	1.49%	5.76%	0.01%	0.54%	7.68%	70.02%	0.99%	0.01%	0.08%
120:V	6.31%	0.03%	1.97%	0.18%	0.95%	2.79%	0.06%	2.12%	0.02%	3.83%	0.23%	0.06%	0.22%	0.01%	0.08%	0.12%	0.24%	80.76%	0.00%	0.01%
121:S	3.44%	2.04%	0.12%	0.00%	2.29%	0.12%	0.28%	0.09%	0.01%	0.97%	0.01%	0.11%	9.31%	0.01%	0.22%	77.62%	1.49%	0.23%	0.23%	1.42%
122:S	1.77%	0.60%	0.03%	0.08%	1.01%	0.11%	0.08%	0.13%	0.05%	7.00%	0.01%	0.03%	5.82%	0.26%	0.39%	80.42%	1.22%	0.15%	0.30%	0.55%