	A	C	D	E	F	G	H	I	K	L	M	N	P	Q	R	S	T	V	W	Y
1:Q	0.11%	0.00%	0.11%	2.95%	0.00%	0.11%	2.49%	0.01%	2.97%	3.10%	0.10%	0.10%	3.07%	81.34%	3.17%	0.06%	0.11%	0.11%	0.05%	0.05%
2:V	2.58%	0.00%	0.04%	1.88%	0.08%	1.63%	0.00%	0.92%	0.14%	4.49%	4.36%	0.01%	0.06%	0.03%	0.10%	0.04%	0.19%	83.43%	0.01%	0.00%
3:Q	0.02%	0.01%	0.07%	0.48%	0.00%	0.03%	7.22%	0.01%	2.39%	1.29%	0.03%	0.29%	0.92%	85.00%	2.00%	0.04%	0.05%	0.02%	0.09%	0.05%
4:L	0.24%	0.00%	0.00%	0.14%	0.18%	0.11%	0.01%	0.22%	0.15%	82.81%	3.89%	0.00%	1.62%	0.57%	0.52%	0.32%	0.17%	8.99%	0.06%	0.00%
5:V	3.24%	0.00%	0.07%	2.27%	0.02%	1.90%	0.00%	0.46%	0.11%	4.42%	4.52%	0.00%	0.08%	0.02%	0.10%	0.03%	0.21%	82.56%	0.00%	0.00%
6:E	3.01%	0.00%	1.80%	85.90%	0.00%	4.20%	0.04%	0.00%	2.34%	0.06%	0.08%	0.04%	0.05%	0.95%	0.10%	0.02%	0.12%	1.27%	0.01%	0.01%
7:S	0.98%	1.00%	0.01%	0.00%	1.02%	0.01%	0.01%	0.01%	0.00%	0.07%	0.00%	0.01%	2.11%	0.00%	0.02%	93.70%	0.69%	0.02%	0.02%	0.32%
8:G	0.26%	0.00%	0.03%	1.17%	0.00%	96.37%	0.00%	0.00%	0.02%	0.01%	0.01%	0.00%	0.00%	0.01%	1.41%	0.01%	0.01%	0.28%	0.40%	0.00%
9:G	2.02%	0.00%	0.08%	4.64%	0.00%	79.24%	0.00%	0.10%	0.20%	0.08%	0.00%	0.01%	0.07%	0.04%	11.58%	1.00%	0.36%	0.58%	0.00%	0.00%
10:G	0.84%	0.45%	1.94%	0.02%	0.01%	95.23%	0.01%	0.01%	0.00%	0.00%	0.00%	0.03%	0.01%	0.00%	0.39%	0.55%	0.02%	0.46%	0.01%	0.02%
11:V	3.86%	0.00%	0.07%	2.30%	0.03%	1.96%	0.00%	0.34%	0.03%	4.25%	3.08%	0.00%	0.09%	0.03%	0.26%	0.07%	0.21%	83.40%	0.01%	0.00%
12:V	2.53%	0.01%	0.52%	0.04%	0.43%	1.11%	0.00%	2.03%	0.00%	1.38%	0.04%	0.01%	0.03%	0.00%	0.01%	0.03%	0.07%	91.76%	0.00%	0.00%
13:Q	0.02%	0.00%	0.01%	0.33%	0.00%	0.01%	1.00%	0.00%	0.42%	1.91%	0.02%	0.01%	2.15%	90.95%	3.05%	0.04%	0.03%	0.01%	0.02%	0.02%
14:P	2.20%	0.09%	0.01%	0.00%	0.10%	0.02%	0.29%	0.03%	0.00%	0.78%	0.00%	0.05%	87.87%	0.02%	0.65%	5.37%	2.42%	0.06%	0.00%	0.02%
15:G	1.06%	0.01%	0.25%	4.37%	0.00%	91.20%	0.00%	0.00%	0.07%	0.04%	0.02%	0.00%	0.02%	0.05%	1.38%	0.03%	0.05%	1.08%	0.37%	0.00%
16:R	0.08%	0.01%	0.00%	0.15%	0.00%	1.77%	0.00%	0.05%	5.03%	0.08%	1.92%	0.00%	0.04%	0.11%	87.75%	0.36%	2.06%	0.11%	0.43%	0.00%
17:S	1.11%	1.36%	0.03%	0.00%	1.29%	0.02%	0.04%	0.02%	0.00%	0.11%	0.00%	0.05%	2.58%	0.00%	0.02%	92.06%	0.55%	0.03%	0.02%	0.72%
18:L	0.01%	0.00%	0.00%	0.01%	0.05%	0.01%	0.02%	0.02%	0.01%	94.58%	0.40%	0.00%	2.05%	1.13%	0.87%	0.02%	0.87%	0.80%	0.01%	0.00%
19:R	0.02%	0.00%	0.00%	0.04%	0.00%	2.64%	0.00%	0.29%	0.93%	0.01%	0.01%	0.04%	0.01%	0.02%	94.55%	0.80%	0.62%	0.01%	0.01%	0.00%
20:L	0.04%	0.02%	0.01%	0.00%	1.72%	0.02%	0.64%	0.55%	0.00%	90.52%	0.01%	0.02%	3.32%	0.02%	1.02%	0.05%	1.99%	0.00%	0.00%	0.00%
21:S	1.53%	1.03%	0.02%	0.01%	1.08%	0.02%	0.05%	0.02%	0.00%	0.19%	0.00%	0.05%	4.19%	0.00%	0.05%	90.39%	0.66%	0.03%	0.02%	0.69%
22:C	0.04%	82.01%	0.07%	0.00%	2.18%	1.18%	0.21%	0.03%	0.00%	0.23%	0.00%	0.08%	0.13%	0.00%	2.75%	6.19%	0.05%	0.02%	1.43%	3.37%
23:A	91.95%	0.00%	0.06%	1.48%	0.00%	0.32%	0.00%	0.15%	0.04%	0.06%	0.00%	0.00%	0.98%	0.01%	0.04%	1.34%	3.22%	0.35%	0.00%	0.00%
24:A	87.92%	0.01%	2.35%	0.08%	0.04%	2.10%	0.00%	0.12%	0.00%	0.10%	0.00%	0.03%	0.67%	0.00%	0.01%	0.30%	1.16%	5.07%	0.00%	0.01%
25:S	0.90%	1.67%	0.02%	0.00%	1.28%	0.03%	0.03%	0.02%	0.00%	0.14%	0.00%	0.01%	2.82%	0.00%	0.04%	92.03%	0.52%	0.04%	0.02%	0.44%
26:G	3.00%	0.00%	0.38%	7.31%	0.00%	84.58%	0.01%	0.07%	0.21%	0.07%	0.00%	0.01%	0.08%	0.07%	2.72%	0.07%	0.19%	1.22%	0.01%	0.00%
27:F	0.03%	1.60%	0.02%	0.00%	81.58%	0.03%	0.05%	0.82%	0.00%	12.01%	0.02%	0.00%	0.18%	0.00%	0.09%	1.76%	0.02%	1.28%	0.02%	0.44%
28:T	3.55%	0.04%	0.03%	0.00%	0.07%	0.07%	0.02%	2.89%	0.06%	0.10%	0.13%	0.79%	2.45%	0.00%	0.16%	3.59%	85.87%	0.17%	0.00%	0.02%
29:F	0.02%	2.05%	0.01%	0.00%	83.26%	0.02%	0.03%	0.30%	0.00%	11.21%	0.01%	0.00%	0.11%	0.00%	0.04%	1.74%	0.01%	0.73%	0.03%	0.42%
30:S	0.38%	1.62%	0.47%	0.00%	0.13%	2.36%	0.43%	5.68%	0.72%	0.17%	0.19%	12.73%	0.36%	0.02%	8.47%	55.63%	10.18%	0.20%	0.06%	0.17%
31:S	0.33%	2.01%	0.74%	0.05%	0.13%	4.88%	0.31%	1.99%	0.64%	0.12%	0.12%	8.17%	0.12%	0.02%	12.61%	63.03%	4.01%	0.24%	0.23%	0.26%
32:Y	0.05%	6.68%	1.33%	0.00%	7.29%	0.06%	4.50%	0.10%	0.11%	0.44%	0.00%	2.58%	0.16%	0.19%	0.21%	7.22%	0.14%	0.05%	0.06%	68.78%
33:G	3.75%	0.29%	8.02%	0.16%	0.01%	84.66%	0.03%	0.03%	0.00%	0.02%	0.00%	0.07%	0.03%	0.00%	0.47%	0.61%	0.07%	1.73%	0.00%	0.04%
34:M	0.24%	0.00%	0.01%	0.09%	0.30%	0.08%	0.00%	20.32%	2.01%	5.26%	58.21%	0.11%	0.14%	0.03%	2.82%	0.23%	5.71%	4.38%	0.03%	0.00%
35:H	0.11%	0.11%	1.26%	0.04%	0.18%	0.04%	73.88%	0.13%	0.49%	3.65%	0.01%	5.04%	5.02%	3.97%	3.95%	0.43%	0.24%	0.11%	0.01%	1.34%
36:W	0.00%	1.87%	0.00%	0.01%	0.02%	1.63%	0.00%	0.00%	0.00%	0.38%	0.00%	0.00%	0.01%	0.00%	2.43%	0.43%	0.00%	0.00%	93.18%	0.04%
37:V	2.55%	0.00%	0.52%	0.02%	0.27%	1.09%	0.00%	1.16%	0.00%	0.40%	0.02%	0.01%	0.01%	0.00%	0.00%	0.02%	0.04%	93.89%	0.00%	0.00%
38:R	0.01%	1.69%	0.03%	0.00%	0.01%	0.94%	1.05%	0.00%	0.00%	0.25%	0.00%	0.01%	0.42%	0.02%	95.26%	0.24%	0.00%	0.01%	0.02%	0.03%
39:Q	0.01%	0.00%	0.00%	0.76%	0.00%	0.01%	0.52%	0.00%	0.54%	0.88%	0.01%	0.00%	2.54%	92.68%	1.97%	0.01%	0.01%	0.04%	0.01%	0.00%
40:A	69.81%	0.03%	0.29%	0.03%	0.04%	0.82%	0.01%	0.23%	0.00%	0.05%	0.00%	0.06%	7.39%	0.00%	0.03%	3.57%	16.47%	1.16%	0.00%	0.01%
41:P	0.91%	0.00%	0.00%	0.01%	0.00%	0.00%	0.07%	0.01%	0.00%	2.13%	0.00%	0.00%	94.90%	0.40%	0.36%	0.92%	0.26%	0.02%	0.00%	0.00%
42:G	0.84%	0.18%	2.00%	0.04%	0.01%	95.20%	0.02%	0.01%	0.00%	0.00%	0.01%	0.03%	0.00%	0.00%	0.31%	0.43%	0.02%	0.86%	0.00%	0.02%
43:K	0.41%	0.00%	0.02%	3.52%	0.00%	0.20%	0.01%	0.01%	68.89%	0.14%	3.76%	0.38%	0.29%	1.75%	8.79%	0.20%	11.43%	0.12%	0.06%	0.00%
44:G	0.22%	0.00%	0.06%	0.36%	0.00%	97.50%	0.01%	0.00%	0.00%	0.01%	0.01%	0.00%	0.00%	0.00%	1.27%	0.12%	0.00%	0.21%	0.19%	0.00%
45:L	0.02%	0.00%	0.00%	0.01%	0.01%	0.01%	0.01%	0.03%	0.01%	95.43%	0.29%	0.00%	2.17%	0.76%	0.50%	0.03%	0.01%	0.70%	0.01%	0.00%
46:E	2.93%	0.00%	8.33%	79.37%	0.00%	4.10%	0.11%	0.01%	2.25%	0.06%	0.08%	0.26%	0.05%	0.91%	0.10%	0.03%	0.12%	1.25%	0.01%	0.04%
47:W	0.01%	1.99%	0.00%	0.02%	0.03%	1.96%	0.00%	0.00%	0.01%	0.79%	0.01%	0.00%	0.02%	0.01%	4.82%	0.80%	0.01%	0.01%	89.51%	0.03%
48:V	3.16%	0.00%	0.02%	2.26%	0.01%	1.95%	0.00%	0.17%	0.13%	3.74%	3.74%	0.00%	0.12%	0.05%	0.08%	0.03%	0.18%	84.37%	0.00%	0.00%
49:A	82.62%	0.00%	0.05%	1.18%	0.00%	0.77%	0.00%	0.11%	0.04%	0.11%	0.01%	0.00%	3.80%	0.02%	0.06%	2.12%	8.27%	0.84%	0.00%	0.00%
50:V	1.72%	0.00%	0.80%	0.07%	1.23%	0.89%	0.04%	5.99%	0.00%	6.79%	0.17%	0.05%	0.34%	0.00%	0.04%	0.11%	0.25%	81.48%	0.00%	0.01%
51:I	0.54%	0.01%	0.03%	0.31%	1.20%	0.19%	0.01%	57.20%	2.54%	16.19%	5.59%	0.22%	0.38%	0.16%	2.10%	0.74%	5.42%	7.19%	0.00%	0.00%
52:S	1.11%	0.18%	0.01%	0.15%	0.28%	0.04%	0.00%	0.04%	0.01%	1.32%	0.00%	0.00%	2.33%	0.01%	0.03%	93.98%	0.05%	0.04%	0.04%	0.08%
53:Y	0.08%	9.07%	2.10%	0.06%	10.16%	0.15%	6.75%	0.16%	0.04%	0.70%	0.00%	2.28%	0.30%	0.30%	0.45%	9.43%	0.13%	0.12%	0.08%	57.64%
54:D	1.41%	0.13%	76.31%	4.67%	0.14%	2.63%	4.48%	0.14%	0.30%	0.10%	0.00%	5.48%	0.11%	0.25%	0.14%	0.52%	0.26%	0.65%	0.00%	2.27%
55:G	1.05%	0.04%	0.29%	3.03%	0.00%	88.56%	0.00%	0.07%	0.07%	0.08%	0.00%	0.01%	0.08%	0.04%	5.94%	0.09%	0.14%	0.51%	0.01%	0.00%
56:S	0.40%	2.57%	0.71%	0.03%	0.19%	3.00%	0.59%	5.11%	0.41%	0.25%	0.10%	10.34%	0.45%	0.03%	5.12%	61.93%	8.15%	0.28%	0.04%	0.30%
57:N	0.31%	0.23%	7.43%	0.51%	0.29%	0.41%	3.49%	3.39%	4.65%	0.22%	0.10%	64.33%	0.15%	0.31%	0.54%	7.08%	4.52%	0.20%	0.00%	1.83%
58:K	0.34%	0.01%	0.99%	6.81%	0.02%	0.29%	0.40%	2.80%	64.55%	0.24%	0.17%	9.68%	0.71%	3.08%	4.55%	0.62%	5.05%	0.12%	0.00%	0.12%
59:Y	0.03%	7.02%	3.20%	0.08%	4.26%	0.21%	4.53%	0.05%	0.13%	0.47%	0.00%	3.08%	0.10%	0.06%	0.22%	3.56%	0.07%	0.04%	0.09%	72.80%
60:Y	0.07%	6.79%	1.90%	0.08%	7.47%	0.06%	3.89%	0.06%	0.07%	0.41%	0.00%	1.89%	0.19%	0.10%	0.16%	7.38%	0.11%	0.03%	0.07%	69.30%
61:A	72.46%	0.00%	0.07%	1.27%	0.00%	0.31%	0.00%	0.66%	0.16%	0.20%	0.02%	0.01%	6.87%	0.03%	0.14%	4.17%	13.17%	0.45%	0.00%	0.00%
62:D	0.64%	0.01%	94.59%	2.56%	0.01%	1.02%	0.20%	0.01%	0.04%	0.01%	0.00%	0.42%	0.00%	0.02%	0.00%	0.02%	0.01%	0.24%	0.00%	0.20%
63:S	0.29%	1.09%	0.01%	0.00%	1.07%	0.03%	0.02%	0.02%	0.00%	0.11%	0.00%	0.01%	1.78%	0.00%	0.02%	94.13%	0.76%	0.01%	0.01%	0.65%
64:V	2.26%	0.00%	0.04%	1.64%	0.02%	1.47%	0.00%	0.27%	0.08%	5.55%	3.95%	0.00%	0.06%	0.04%	0.13%	0.03%	0.19%	84.25%	0.01%	0.00%
65:K	0.04%	0.00%	0.01%	3.00%	0.00%	0.06%	0.01%	0.01%	90.65%	0.02%	0.53%	0.46%	0.02%	2.07%	1.89%	0.03%	1.17%	0.01%	0.01%	0.00%
66:G	0.55%	0.32%	1.16%	0.02%	0.00%	95.95%	0.01%	0.01%	0.00%	0.00%	0.00%	0.03%	0.00%	0.00%	0.38%	1.23%	0.02%	0.31%	0.01%	0.01%
67:R	0.01%	0.01%	0.00%	0.01%	0.00%	0.17%	0.47%	0.00%	0.01%	1.18%	0.00%	0.00%	4.48%	3.84%	89.74%	0.02%	0.01%	0.01%	0.01%	0.00%
68:F	0.03%	1.56%	0.02%	0.00%	81.50%	0.03%	0.05%	0.82%	0.00%	12.11%	0.01%	0.00%	0.18%	0.00%	0.10%	1.79%	0.02%	1.29%	0.02%	0.44%
69:T	3.58%	0.03%	0.03%	0.00%	0.05%	0.05%	0.02%	2.43%	0.02%	0.07%	0.03%	0.75%	2.44%	0.00%	0.25%	3.42%	86.67%	0.14%	0.00%	0.02%
70:I	0.14%	0.04%	0.04%	0.00%	3.08%	0.05%	0.02%	78.48%	0.13%	3.47%	3.37%	1.05%	0.10%	0.00%	0.13%	1.11%	3.00%	5.77%	0.00%	0.02%
71:S	1.56%	0.94%	0.01%	0.00%	0.83%	0.01%	0.03%	0.01%	0.01%	0.12%	0.00%	0.00%	4.17%	0.00%	0.04%	91.30%	0.68%	0.02%	0.02%	0.26%
72:R	0.04%	0.03%	0.00%	0.04%	0.00%	0.65%	0.00%	0.61%	1.71%	0.02%	0.02%	0.10%	0.05%	0.04%	91.94%	2.92%	1.79%	0.01%	0.01%	0.00%
73:D	2.06%	0.02%	89.50%	1.30%	0.01%	4.22%	0.59%	0.03%	0.07%	0.01%	0.00%	0.83%	0.03%	0.02%	0.02%	0.05%	0.05%	0.92%	0.00%	0.27%
74:N	0.14%	0.21%	2.20%	0.06%	0.10%	0.22%	5.95%	1.49%	1.99%	0.12%	0.03%	69.20%	0.16%	0.09%	0.51%	8.62%	7.48%	0.05%	0.00%	1.37%
75:S	1.79%	4.77%	0.09%	0.00%	4.86%	0.06%	0.15%	0.04%	0.00%	0.93%	0.00%	0.00%	1.61%	0.00%	0.09%	81.76%	0.36%	0.10%	0.11%	3.32%
76:K	0.13%	0.00%	0.07%	2.78%	0.00%	0.11%	0.04%	0.00%	84.87%	0.04%	1.10%	1.21%	0.08%	3.21%	2.03%	0.13%	3.99%	0.05%	0.01%	0.01%
77:N	0.06%	0.03%	1.67%	0.11%	0.02%	0.07%	0.97%	2.52%	5.48%	0.02%	0.08%	80.57%	0.04%	0.06%	1.02%	4.32%	2.57%	0.04%	0.00%	0.36%
78:T	3.60%	0.00%	0.01%	0.06%	0.01%	0.06%	0.00%	0.49%	1.01%	0.13%	1.97%	0.07%	2.47%	0.01%	1.97%	2.67%	85.28%	0.18%	0.02%	0.00%
79:L	0.09%	0.01%	0.01%	0.05%	0.63%	0.05%	0.12%	0.37%	0.12%	88.46%	1.57%	0.00%	1.81%	1.07%	0.79%	0.15%	0.14%	4.51%	0.05%	0.00%
80:Y	0.07%	13.40%	2.89%	0.00%	7.05%	0.14%	5.29%	0.19%	0.05%	0.34%	0.00%	3.95%	0.17%	0.07%	0.25%	6.43%	0.13%	0.08%	0.11%	59.33%
81:L	0.18%	0.00%	0.00%	0.09%	0.39%	0.08%	0.05%	0.26%	0.01%	82.81%	1.25%	0.00%	5.59%	0.83%	1.38%	0.17%	0.08%	6.77%	0.07%	0.00%
82:Q	0.06%	0.00%	0.20%	3.19%	0.01%	0.10%	7.60%	0.22%	13.86%	0.98%	0.01%	1.95%	1.20%	66.62%	3.42%	0.07%	0.41%	0.03%	0.01%	0.06%
83:M	0.19%	0.00%	0.00%	0.12%	0.12%	0.10%	0.00%	5.32%	1.15%	8.00%	72.44%	0.03%	0.09%	0.03%	1.53%	0.14%	2.23%	8.48%	0.03%	0.00%
84:N	0.08%	0.05%	3.32%	0.09%	0.04%	0.12%	2.19%	2.37%	5.04%	0.05%	0.10%	77.97%	0.05%	0.11%	1.07%	4.11%	2.52%	0.10%	0.00%	0.63%
85:S	0.06%	2.44%	0.10%	0.00%	0.00%	3.71%	0.02%	0.34%	0.07%	0.01%	0.02%	1.30%	0.02%	0.00%	5.71%	85.36%	0.75%	0.02%	0.04%	0.03%
86:L	0.01%	0.00%	0.00%	0.01%	0.02%	0.01%	0.02%	0.02%	0.01%	94.70%	0.35%	0.00%	2.05%	1.11%	0.86%	0.01%	0.02%	0.79%	0.00%	0.00%
87:R	0.06%	0.01%	0.00%	0.00%	0.10%	0.00%	2.52%	0.00%	0.54%	2.14%	0.01%	0.01%	0.02%	0.10%	91.24%	1.58%	0.56%	0.02%	0.01%	0.00%
88:A	48.03%	0.25%	3.42%	0.17%	0.20%	7.63%	0.15%	1.46%	0.01%	0.50%	0.01%	0.53%	8.06%	0.01%	0.31%	4.31%	14.96%	9.94%	0.00%	0.07%
89:E	1.88%	0.00%	5.13%	84.46%	0.00%	3.11%	0.09%	0.01%	2.03%	0.05%	0.04%	0.10%	0.06%	1.98%	0.11%	0.02%	0.11%	0.77%	0.01%	0.04%
90:D	1.49%	0.01%	88.33%	4.33%	0.01%	2.11%	0.50%	0.02%	0.11%	0.01%	0.00%	1.45%	0.01%	0.03%	0.03%	0.05%	0.06%	1.22%	0.00%	0.26%
91:T	3.76%	0.00%	0.01%	0.06%	0.01%	0.03%	0.00%	0.78%	0.05%	0.78%	0.00%	0.00%	2.65%	0.01%	0.55%	2.63%	88.53%	0.12%	0.02%	0.00%
92:A	78.37%	0.02%	0.28%	0.03%	0.03%	0.22%	0.02%	0.67%	0.00%	0.07%	0.00%	0.03%	5.49%	0.00%	0.03%	2.43%	11.63%	0.82%	0.00%	0.01%
93:V	1.93%	0.00%	0.22%	1.19%	0.29%	1.20%	0.00%	1.00%	0.04%	6.14%	2.47%	0.01%	0.10%	0.03%	0.05%	0.05%	0.12%	85.13%	0.01%	0.00%
94:Y	0.08%	6.75%	2.90%	0.07%	7.46%	0.09%	5.42%	0.14%	0.07%	0.38%	0.00%	4.03%	0.20%	0.14%	0.22%	7.49%	0.15%	0.08%	0.09%	64.24%
95:Y	0.10%	7.11%	3.75%	0.02%	4.40%	0.16%	6.27%	0.08%	0.16%	0.46%	0.00%	2.41%	0.14%	0.19%	0.24%	3.60%	0.07%	0.07%	0.12%	70.67%
96:C	0.04%	84.57%	0.06%	0.00%	2.33%	0.67%	0.13%	0.07%	0.00%	0.11%	0.00%	0.06%	0.11%	0.00%	1.68%	5.24%	0.01%	0.01%	1.50%	3.45%
97:A	94.13%	0.00%	0.03%	0.66%	0.00%	0.30%	0.00%	0.00%	0.01%	0.06%	0.00%	0.04%	0.00%	1.06%	0.01%	0.03%	0.79%	1.64%	1.22%	0.01%
98:K	0.16%	0.00%	0.17%	2.78%	0.00%	0.21%	0.13%	1.00%	80.08%	0.03%	0.05%	4.62%	0.05%	1.87%	4.77%	0.34%	3.65%	0.03%	0.00%	0.01%
99:D	1.03%	0.05%	83.98%	4.46%	0.05%	2.00%	3.21%	0.10%	0.07%	0.08%	0.00%	2.85%	0.08%	0.09%	0.10%	0.26%	0.22%	0.58%	0.00%	0.79%
100:L	0.05%	0.00%	0.06%	0.00%	0.02%	4.20%	0.03%	0.00%	0.06%	88.73%	0.55%	0.00%	0.21%	0.03%	0.08%	2.63%	0.02%	1.86%	1.47%	0.01%
101:R	0.02%	0.10%	0.00%	0.02%	0.00%	0.37%	0.19%	0.00%	0.09%	0.40%	0.00%	0.01%	1.42%	0.87%	96.07%	0.07%	0.02%	0.01%	0.34%	0.00%
102:E	1.62%	0.00%	6.01%	81.46%	0.00%	2.81%	0.12%	0.13%	4.56%	0.08%	0.01%	0.30%	0.03%	1.73%	0.37%	0.07%	0.14%	0.54%	0.00%	0.03%
103:E	1.85%	0.02%	90.59%	0.73%	0.01%	3.94%	0.65%	0.02%	0.05%	0.01%	0.00%	0.80%	0.01%	0.01%	0.02%	0.06%	0.03%	0.87%	0.00%	0.29%
104:E	3.06%	0.00%	7.13%	81.80%	0.00%	2.41%	0.29%	0.05%	1.79%	0.06%	0.00%	0.24%	0.13%	1.97%	0.16%	0.07%	0.38%	0.40%	0.00%	0.00%
105:C	0.06%	78.86%	0.13%	0.00%	2.56%	1.78%	0.25%	0.05%	0.00%	0.21%	0.00%	0.11%	0.15%	0.01%	4.41%	6.67%	0.07%	0.03%	1.44%	3.23%
106:E	2.04%	0.00%	6.23%	85.51%	0.00%	2.99%	0.12%	0.06%	1.29%	0.07%	0.00%	0.16%	0.02%	0.66%	0.13%	0.03%	0.09%	0.52%	0.00%	0.06%
107:E	1.38%	0.00%	8.76%	84.11%	0.00%	2.30%	0.12%	0.12%	1.26%	0.03%	0.04%	0.13%	0.07%	0.96%	0.07%	0.07%	0.67%	0.00%	0.00%	0.63%
108:W	0.02%	3.99%	0.00%	0.03%	0.09%	1.93%	0.00%	0.00%	0.06%	1.39%	0.03%	0.01%	0.06%	0.04%	4.61%	1.36%	0.03%	0.02%	86.24%	0.11%
109:W	0.02%	1.67%	0.00%	0.03%	0.03%	1.90%	0.00%	0.00%	0.06%	1.49%	0.03%	0.00%	0.05%	0.06%	5.65%	0.14%	0.03%	0.01%	87.63%	0.04%
110:S	1.21%	0.02%	0.00%	0.00%	0.02%	0.01%	0.00%	0.00%	0.00%	1.99%	0.01%	0.00%	2.57%	0.00%	0.04%	92.37%	0.65%	0.02%	1.08%	0.00%
111:D	1.43%	0.15%	73.29%	3.75%	0.03%	2.39%	6.40%	0.16%	0.17%	0.17%	0.00%	7.15%	0.15%	0.20%	0.18%	0.48%	0.21%	0.85%	0.00%	2.67%
112:Y	0.13%	7.01%	3.59%	0.10%	8.21%	0.16%	6.87%	0.09%	0.04%	0.38%	0.00%	2.74%	0.18%	0.18%	0.31%	7.50%	0.13%	0.07%	0.10%	62.21%
113:Y	0.07%	7.11%	3.80%	0.02%	3.95%	0.14%	6.45%	0.05%	0.14%	0.28%	0.00%	2.43%	0.11%	0.09%	0.22%	3.17%	0.07%	0.05%	0.03%	71.85%
114:D	2.90%	0.02%	66.17%	3.83%	0.12%	3.88%	9.44%	0.11%	0.16%	0.18%	0.00%	8.28%	0.28%	0.23%	0.27%	0.74%	0.74%	0.63%	0.00%	1.93%
115:F	0.07%	1.61%	0.00%	0.00%	85.91%	0.03%	0.04%	0.39%	0.00%	5.30%	0.01%	0.00%	0.15%	0.00%	0.04%	4.83%	0.01%	1.05%	0.02%	0.50%
116:W	0.01%	1.51%	0.00%	0.00%	0.04%	1.89%	0.00%	0.00%	0.02%	0.46%	0.01%	0.00%	0.03%	0.02%	4.01%	0.52%	0.02%	0.01%	91.31%	0.11%
117:K	0.08%	0.01%	0.00%	4.44%	0.00%	0.19%	0.18%	1.45%	73.53%	0.05%	0.14%	4.81%	0.08%	2.34%	7.22%	0.35%	4.84%	0.04%	0.00%	0.00%
118:Q	0.08%	0.01%	0.36%	6.36%	0.01%	0.19%	5.25%	0.08%	3.62%	1.63%	0.01%	0.20%	1.64%	77.19%	2.93%	0.09%	0.12%	0.07%	0.00%	0.15%
119:L	0.19%	0.11%	0.05%	0.00%	8.73%	0.19%	0.00%	0.64%	2.59%	77.55%	0.06%	0.03%	1.57%	0.02%	0.29%	0.19%	0.07%	7.75%	0.00%	0.00%
120:P	0.56%	0.02%	0.00%	0.00%	0.02%	0.00%	0.24%	0.01%	0.00%	0.55%	0.00%	0.00%	95.18%	0.03%	0.46%	1.89%	1.01%	0.01%	0.00%	0.01%
121:C	0.05%	82.72%	0.31%	0.00%	1.75%	1.36%	0.39%	0.01%	0.00%	0.13%	0.00%	0.22%	0.06%	0.00%	3.08%	3.92%	0.04%	0.02%	0.38%	5.57%
122:A	77.05%	0.00%	0.25%	0.26%	0.00%	1.36%	0.00%	0.11%	0.00%	0.19%	0.00%	0.01%	2.92%	0.07%	0.13%	1.93%	8.10%	1.25%	0.00%	0.02%
123:K	0.12%	0.00%	0.10%	6.57%	0.00%	0.31%	0.20%	0.10%	73.58%	0.37%	3.94%	0.68%	0.13%	6.44%	4.75%	0.00%	2.28%	0.25%	0.10%	0.02%
124:S	1.68%	0.02%	0.00%	0.14%	0.00%	0.01%	0.00%	0.01%	0.02%	0.68%	0.00%	0.00%	3.32%	0.01%	0.01%	93.09%	0.93%	0.01%	0.01%	0.02%
125:R	0.01%	2.50%	0.06%	0.00%	0.03%	2.32%	4.06%	0.01%	0.00%	1.03%	0.00%	0.07%	1.58%	0.05%	87.05%	1.04%	0.02%	0.02%	0.03%	0.11%
126:G	2.05%	0.52%	4.44%	0.03%	0.01%	89.61%	0.04%	0.00%	0.02%	0.02%	0.00%	0.04%	0.02%	0.00%	0.84%	1.35%	0.04%	0.94%	0.00%	0.02%
127:G	5.37%	0.45%	11.15%	0.17%	0.01%	78.05%	0.10%	0.05%	0.01%	0.04%	0.00%	0.12%	0.05%	0.00%	0.77%	1.14%	0.11%	2.35%	0.01%	0.05%
128:L	0.03%	0.04%	0.00%	0.01%	1.60%	0.00%	0.02%	0.02%	0.00%	91.51%	0.42%	0.00%	0.14%	0.02%	0.22%	3.63%	0.06%	0.55%	1.76%	0.00%
129:V	1.40%	0.01%	0.53%	0.04%	1.37%	0.67%	0.02%	6.57%	0.00%	4.42%	0.07%	0.04%	0.15%	0.00%	0.02%	0.09%	0.28%	84.30%	0.00%	0.01%
130:G	1.09%	0.06%	0.34%	3.07%	0.00%	92.95%	0.00%	0.00%	0.03%	0.07%	0.00%	0.05%	0.02%	0.00%	1.64%	0.06%	0.10%	0.53%	0.00%	0.00%
131:I	0.29%	0.08%	0.14%	0.00%	2.47%	0.12%	0.09%	73.40%	0.14%	3.79%	1.39%	2.30%	0.36%	0.00%	0.16%	2.96%	6.09%	6.16%	0.00%	0.04%
132:A	71.21%	0.04%	1.25%	0.05%	0.21%	2.73%	0.25%	0.87%	0.01%	0.23%	0.01%	4.54%	5.30%	0.02%	0.06%	3.70%	10.35%	3.40%	0.00%	0.04%
133:D	2.05%	0.15%	73.09%	6.20%	0.17%	3.31%	4.49%	0.16%	0.28%	0.09%	0.00%	5.50%	0.16%	0.19%	0.17%	0.50%	0.32%	0.91%	0.00%	2.25%
134:I	0.20%	0.09%	0.06%	0.01%	7.38%	0.10%	0.03%	66.51%	0.11%	8.36%	5.69%	0.51%	0.12%	0.00%	0.18%	0.98%	1.87%	7.80%	0.00%	0.03%
135:W	0.00%	0.44%	0.00%	0.01%	0.01%	1.44%	0.00%	0.00%	0.00%	0.39%	0.00%	0.00%	0.01%	0.00%	3.68%	0.39%	0.00%	0.00%	93.62%	0.01%
136:G	0.56%	0.20%	1.18%	0.02%	0.00%	97.18%	0.01%	0.00%	0.01%	0.00%	0.00%	0.02%	0.00%	0.00%	0.22%	0.28%	0.01%	0.31%	0.00%	0.00%
137:Q	0.01%	0.00%	0.02%	0.31%	0.00%	0.01%	15.10%	0.01%	0.25%	1.51%	0.00%	0.06%	3.38%	76.23%	3.02%	0.02%	0.02%	0.01%	0.00%	0.03%
138:G	0.89%	0.00%	0.05%	4.57%	0.00%	92.02%	0.00%	0.00%	0.03%	0.04%	0.03%	0.02%	0.00%	0.03%	0.90%	0.02%	0.01%	1.16%	0.22%	0.00%
139:T	1.97%	0.00%	0.01%	0.06%	0.00%	0.33%	0.00%	0.68%	0.58%	0.07%	0.02%	0.03%	0.12%	1.45%	0.00%	0.69%	1.36%	93.01%	0.01%	0.00%
140:M	0.27%	0.00%	0.01%	0.19%	0.06%	0.33%	0.00%	4.66%	2.10%	9.37%	64.50%	0.06%	0.20%	0.12%	4.70%	0.17%	4.79%	8.35%	0.13%	0.00%
141:V	2.59%	0.01%	0.73%	0.04%	0.44%	0.90%	0.00%	2.03%	0.00%	1.34%	0.00%	0.01%	0.01%	0.00%	0.01%	0.03%	0.03%	91.78%	0.00%	0.00%
142:T	3.50%	0.03%	0.05%	0.04%	0.05%	0.07%	0.02%	1.97%	0.03%	0.06%	0.02%	0.74%	2.49%	0.00%	0.10%	3.50%	87.18%	0.18%	0.00%	0.01%
143:V	2.67%	0.00%	0.73%	0.04%	0.38%	1.24%	0.01%	0.96%	0.01%	1.55%	0.00%	0.04%	0.01%	0.00%	0.01%	0.02%	0.03%	92.27%	0.00%	0.00%
144:S	1.03%	1.30%	0.01%	0.00%	1.09%	0.01%	0.02%	0.01%	0.00%	0.08%	0.00%	0.01%	1.99%	0.00%	0.02%	93.53%	0.54%	0.01%	0.02%	0.33%

145:S 2.01% 0.10% 0.00% 0.03% 0.20% 0.04% 0.00% 0.02% 0.01% 3.16% 0.00% 0.00% 1.69% 0.03% 0.04% 91.99% 0.44% 0.06% 0.06% 0.11%