

	A	C	D	E	F	G	H	I	K	L	M	N	P	Q	R	S	T	V	W	Y
1:S	3.58%	3.34%	0.16%	0.01%	3.14%	0.17%	0.15%	0.16%	0.01%	0.59%	0.01%	0.15%	3.58%	0.01%	0.18%	77.39%	3.62%	0.17%	0.22%	3.38%
2:Y	0.08%	7.62%	1.85%	0.06%	8.12%	0.11%	7.28%	0.12%	0.06%	1.07%	0.00%	2.67%	0.34%	0.40%	0.40%	8.68%	0.19%	0.07%	0.09%	60.79%
3:E	2.81%	0.01%	13.13%	73.29%	0.00%	4.53%	0.27%	0.03%	2.18%	0.09%	0.06%	0.32%	0.10%	1.69%	0.18%	0.06%	0.18%	0.97%	0.01%	0.10%
4:L	0.28%	0.00%	0.00%	0.21%	0.12%	0.22%	0.00%	0.09%	0.16%	80.85%	4.56%	0.00%	1.07%	0.56%	0.59%	0.67%	0.18%	10.07%	0.36%	0.00%
5:T	4.87%	0.02%	0.03%	0.00%	0.03%	0.09%	0.02%	2.06%	0.04%	0.05%	0.03%	0.67%	3.02%	0.00%	0.11%	3.54%	85.33%	0.11%	0.00%	0.00%
6:Q	0.06%	0.00%	0.04%	2.05%	0.00%	0.10%	1.31%	0.00%	0.60%	3.15%	0.02%	0.01%	3.56%	83.44%	5.50%	0.03%	0.03%	0.05%	0.04%	0.01%
7:P	4.52%	0.01%	0.02%	0.52%	0.01%	0.04%	0.03%	0.05%	0.22%	0.57%	0.00%	0.01%	78.01%	0.64%	0.33%	10.64%	4.34%	0.05%	0.00%	0.00%
8:P	0.62%	0.06%	0.02%	0.00%	0.07%	0.02%	1.15%	0.05%	0.00%	1.68%	0.00%	0.04%	92.81%	0.03%	1.00%	1.28%	1.07%	0.04%	0.00%	0.05%
9:S	1.06%	0.06%	0.00%	0.03%	0.07%	0.01%	0.00%	0.02%	0.00%	1.45%	0.00%	0.00%	3.41%	0.01%	0.03%	93.16%	0.62%	0.02%	0.03%	0.02%
10:V	2.38%	0.00%	0.05%	2.17%	0.04%	1.76%	0.00%	0.29%	0.10%	5.77%	3.93%	0.00%	0.09%	0.05%	0.09%	0.05%	0.20%	83.00%	0.02%	0.00%
11:S	2.04%	0.40%	0.02%	0.00%	0.67%	0.01%	0.02%	0.02%	0.00%	0.08%	0.00%	0.02%	3.73%	0.00%	0.01%	91.56%	1.05%	0.03%	0.01%	0.32%
12:V	2.43%	0.00%	0.07%	3.67%	0.05%	1.40%	0.00%	0.32%	0.16%	6.60%	4.76%	0.00%	0.13%	0.11%	0.13%	0.04%	0.26%	79.86%	0.01%	0.00%
13:S	2.02%	1.70%	0.03%	0.00%	1.62%	0.03%	0.06%	0.03%	0.00%	0.18%	0.00%	0.04%	3.71%	0.00%	0.04%	88.50%	1.05%	0.04%	0.04%	0.91%
14:P	0.45%	0.00%	0.00%	0.02%	0.00%	0.00%	0.07%	0.01%	0.01%	1.12%	0.00%	0.00%	95.39%	0.44%	0.65%	1.15%	0.69%	0.01%	0.00%	0.00%
15:G	0.57%	0.01%	0.08%	1.92%	0.00%	90.75%	0.00%	0.03%	0.05%	0.04%	0.00%	0.00%	0.03%	0.02%	6.01%	0.14%	0.06%	0.27%	0.01%	0.00%
16:Q	0.02%	0.00%	0.01%	0.60%	0.00%	0.03%	0.52%	0.00%	0.48%	2.22%	0.01%	0.01%	1.66%	90.40%	3.96%	0.02%	0.02%	0.01%	0.02%	0.00%
17:T	5.16%	0.00%	0.00%	0.04%	0.00%	0.04%	0.00%	0.73%	0.47%	0.04%	0.06%	0.03%	2.58%	0.01%	0.59%	1.21%	88.98%	0.05%	0.00%	0.00%
18:A	76.44%	0.01%	4.43%	0.17%	0.09%	5.13%	0.02%	0.29%	0.00%	0.28%	0.01%	0.06%	0.83%	0.00%	0.03%	0.44%	1.46%	10.30%	0.00%	0.01%
19:S	0.22%	1.61%	0.28%	0.02%	0.08%	2.93%	0.35%	2.36%	0.74%	0.12%	0.07%	8.13%	0.19%	0.02%	33.15%	44.25%	5.11%	0.13%	0.04%	0.19%
20:I	0.20%	0.07%	0.06%	0.01%	3.78%	0.10%	0.03%	78.79%	0.11%	3.28%	1.97%	0.78%	0.09%	0.00%	0.45%	1.59%	2.92%	5.77%	0.00%	0.02%
21:T	4.28%	0.05%	0.05%	0.00%	0.09%	0.09%	0.03%	3.37%	0.11%	0.14%	0.21%	0.96%	2.99%	0.00%	0.22%	4.37%	82.72%	0.28%	0.00%	0.03%
22:C	0.11%	66.13%	0.38%	0.01%	3.82%	1.41%	0.69%	0.02%	0.02%	0.38%	0.00%	0.39%	0.20%	0.01%	1.41%	7.26%	0.05%	0.04%	5.52%	12.15%
23:S	0.95%	2.32%	0.02%	0.00%	1.83%	0.04%	0.03%	0.02%	0.00%	0.15%	0.00%	0.02%	2.54%	0.00%	0.04%	90.92%	0.45%	0.05%	0.04%	0.59%
24:G	1.27%	0.01%	0.24%	2.99%	0.00%	90.84%	0.00%	0.04%	0.09%	0.03%	0.00%	0.01%	0.04%	0.04%	3.71%	0.09%	0.10%	0.49%	0.01%	0.00%
25:D	1.36%	0.09%	72.92%	6.03%	0.09%	2.64%	3.78%	0.47%	0.47%	0.13%	0.01%	7.87%	0.18%	0.32%	0.15%	0.59%	0.53%	0.86%	0.00%	1.50%
26:K	0.48%	0.02%	1.19%	7.96%	0.05%	0.43%	0.59%	3.09%	57.36%	0.36%	0.35%	11.98%	0.26%	3.51%	5.24%	0.86%	5.87%	0.19%	0.01%	0.20%
27:L	0.10%	0.01%	0.00%	0.06%	0.52%	0.11%	0.00%	0.03%	0.05%	87.00%	2.89%	0.00%	0.14%	0.04%	0.30%	2.99%	0.13%	4.00%	1.63%	0.00%
28:G	0.80%	0.03%	0.25%	2.57%	0.00%	93.39%	0.00%	0.01%	0.05%	0.02%	0.02%	0.01%	0.01%	0.02%	1.76%	0.15%	0.03%	0.61%	0.29%	0.00%
29:D	2.00%	0.12%	63.92%	5.56%	0.15%	2.73%	5.74%	0.69%	0.72%	0.18%	0.02%	12.29%	0.17%	0.45%	0.29%	1.04%	0.92%	0.81%	0.00%	2.21%
30:K	0.48%	0.02%	1.35%	7.83%	0.05%	0.44%	0.57%	3.22%	58.54%	0.35%	0.25%	10.62%	0.26%	3.54%	5.31%	0.87%	5.95%	0.19%	0.01%	0.17%
31:Y	0.13%	10.08%	3.54%	0.20%	11.12%	0.26%	5.88%	0.23%	0.14%	1.18%	0.00%	2.75%	0.38%	0.22%	0.59%	10.77%	0.19%	0.14%	0.12%	52.08%
32:A	67.08%	0.19%	1.80%	0.04%	0.30%	3.86%	0.13%	0.72%	0.01%	0.39%	0.01%	0.36%	5.13%	0.01%	0.16%	4.05%	10.77%	4.91%	0.00%	0.07%
33:C	0.15%	65.64%	0.82%	0.01%	4.03%	1.45%	1.13%	0.04%	0.03%	0.48%	0.00%	0.55%	0.20%	0.03%	3.17%	7.36%	0.06%	0.07%	3.02%	11.74%
34:W	0.02%	12.05%	0.01%	0.01%	0.34%	0.82%	0.05%	0.00%	0.02%	0.68%	0.01%	0.02%	0.07%	0.05%	3.42%	1.39%	0.02%	0.01%	80.03%	0.97%
35:Y	0.17%	15.40%	3.51%	0.06%	7.37%	0.24%	8.07%	0.39%	0.12%	0.82%	0.00%	5.03%	0.37%	0.14%	0.52%	7.44%	0.26%	0.27%	0.17%	49.65%
36:Q	0.09%	0.01%	0.14%	2.50%	0.01%	0.12%	6.80%	0.01%	1.73%	2.79%	0.05%	0.12%	3.29%	76.70%	5.18%	0.06%	0.07%	0.15%	0.08%	0.08%
37:Q	0.14%	0.01%	0.17%	5.00%	0.01%	0.21%	1.25%	0.04%	23.25%	1.47%	0.74%	0.47%	0.97%	60.81%	4.29%	0.14%	0.59%	0.14%	0.28%	0.04%
38:K	0.11%	0.00%	0.08%	3.31%	0.00%	0.33%	0.02%	0.15%	78.14%	0.10%	3.85%	0.76%	0.05%	1.87%	7.97%	0.10%	2.97%	0.12%	0.07%	0.00%
39:P	4.92%	0.00%	0.00%	0.05%	0.01%	0.05%	0.07%	0.07%	0.10%	1.56%	0.00%	0.01%	76.93%	0.51%	0.89%	10.37%	4.35%	0.12%	0.00%	0.00%
40:G	0.64%	0.26%	1.67%	0.04%	0.00%	95.89%	0.01%	0.01%	0.00%	0.01%	0.00%	0.01%	0.00%	0.00%	0.36%	0.66%	0.01%	0.41%	0.00%	0.01%
41:Q	0.02%	0.00%	0.02%	0.90%	0.00%	0.02%	5.69%	0.00%	0.68%	2.05%	0.01%	0.03%	2.46%	84.87%	3.18%	0.01%	0.03%	0.02%	0.01%	0.02%
42:S	2.52%	1.72%	0.02%	0.00%	1.60%	0.03%	0.03%	0.04%	0.00%	0.19%	0.00%	0.03%	3.66%	0.00%	0.03%	87.70%	1.37%	0.04%	0.04%	0.96%
43:P	0.49%	0.02%	0.01%	0.00%	0.02%	0.02%	0.52%	0.02%	0.00%	1.32%	0.00%	0.01%	94.56%	0.03%	1.00%	1.21%	0.75%	0.02%	0.00%	0.01%
44:V	2.98%	0.00%	0.19%	2.01%	0.19%	1.94%	0.01%	0.65%	0.06%	7.95%	3.52%	0.01%	0.29%	0.06%	0.11%	0.10%	0.25%	79.66%	0.03%	0.00%
45:L	0.12%	0.00%	0.00%	0.06%	0.12%	0.05%	0.02%	0.11%	0.05%	89.97%	1.71%	0.00%	2.47%	0.87%	0.47%	0.18%	0.10%	3.66%	0.04%	0.00%
46:V	3.21%	0.01%	0.93%	0.09%	0.56%	1.06%	0.01%	2.62%	0.00%	1.80%	0.08%	0.02%	0.04%	0.00%	0.02%	0.05%	0.07%	89.42%	0.00%	0.00%
47:I	0.24%	0.06%	0.07%	0.01%	3.22%	0.10%	0.05%	70.46%	0.24%	5.56%	5.54%	1.20%	0.17%	0.00%	0.30%	1.27%	3.71%	7.77%	0.00%	0.02%
48:Y	0.09%	9.03%	1.88%	0.03%	9.02%	0.12%	5.62%	0.13%	0.06%	0.74%	0.00%	2.94%	0.26%	0.09%	0.43%	9.02%	0.13%	0.05%	0.09%	60.27%
49:Q	0.07%	0.01%	0.17%	2.54%	0.00%	0.12%	6.14%	0.06%	1.65%	1.54%	0.00%	0.11%	3.11%	80.72%	3.50%	0.05%	0.09%	0.07%	0.00%	0.07%
50:D	1.55%	0.07%	77.00%	7.75%	0.06%	2.78%	3.99%	0.20%	0.26%	0.13%	0.01%	3.28%	0.12%	0.22%	0.12%	0.31%	0.28%	0.87%	0.00%	0.98%
51:S	0.44%	2.31%	1.02%	0.06%	0.41%	6.94%	0.32%	5.11%	0.93%	0.41%	0.10%	8.33%	0.13%	0.02%	27.66%	40.68%	4.05%	0.46%	0.18%	0.42%
52:K	0.21%	0.01%	0.29%	4.55%	0.01%	0.21%	0.17%	0.44%	73.82%	0.17%	2.52%	4.48%	0.14%	2.57%	5.80%	0.29%	4.06%	0.15%	0.04%	0.05%
53:R	0.05%	0.25%	0.00%	0.05%	0.00%	3.63%	0.05%	0.00%	0.24%	0.62%	0.04%	0.01%	0.76%	1.24%	77.55%	0.22%	0.05%	0.04%	15.18%	0.00%
54:P	1.00%	0.01%	0.01%	0.00%	0.01%	0.00%	0.70%	0.01%	0.01%	0.37%	0.00%	0.08%	96.17%	0.02%	0.16%	1.06%	0.38%	0.01%	0.00%	0.01%
55:S	1.06%	0.04%	0.00%	0.04%	0.09%	0.01%	0.02%	0.02%	0.00%	1.43%	0.00%	0.00%	3.40%	0.01%	0.03%	93.18%	0.63%	0.02%	0.02%	0.02%
56:G	1.17%	0.03%	0.50%	4.86%	0.00%	90.25%	0.01%	0.01%	0.07%	0.06%	0.03%	0.01%	0.03%	0.07%	1.27%	0.10%	0.04%	1.35%	0.14%	0.00%
57:I	0.20%	0.02%	0.03%	0.01%	1.48%	0.08%	0.02%	80.78%	0.19%	2.72%	2.37%	0.71%	0.11%	0.00%	0.31%	1.37%	4.83%	4.75%	0.00%	0.01%
58:P	0.69%	0.05%	0.01%	0.00%	0.06%	0.03%	0.53%	0.04%	0.00%	1.29%	0.00%	0.02%	92.57%	0.03%	0.97%	2.39%	1.24%	0.06%	0.00%	0.02%
59:E	2.94%	0.00%	4.54%	81.21%	0.00%	4.56%	0.11%	0.01%	2.36%	0.09%	0.07%	0.15%	0.11%	2.36%	0.21%	0.04%	0.17%	1.00%	0.01%	0.04%
60:R	0.27%	0.22%	0.02%	0.47%	0.01%	3.97%	0.30%	0.11%	0.87%	1.05%	0.01%	0.10%	3.84%	2.98%	84.51%	0.41%	0.29%	0.12%	0.42%	0.01%
61:F	0.04%	1.91%	0.04%	0.00%	74.88%	0.04%	0.08%	1.00%	0.00%	17.07%	0.05%	0.04%	0.29%	0.00%	0.15%	2.01%	0.03%	1.66%	0.14%	0.54%
62:S	1.14%	2.20%	0.02%	0.00%	1.76%	0.05%	0.03%	0.02%	0.00%	0.14%	0.00%	0.02%	2.22%	0.00%	0.05%	91.01%	0.67%	0.06%	0.04%	0.58%
63:G	6.40%	0.31%	13.62%	0.28%	0.01%	74.79%	0.06%	0.03%	0.01%	0.02%	0.00%	0.11%	0.03%	0.00%	0.38%	0.80%	0.08%	3.01%	0.01%	0.05%
64:S	1.02%	1.08%	0.01%	0.00%	0															