SUPPLEMENTARY INFORMATION

Sequence Analysis of Hypothetical Proteins from *Helicobacter pylori* 26695 to Identify Potential Virulence Factors

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http://www.genominfo.org/src/sm/gni-14-125-s001.pdf.

Supplementary Table 1. List of predicted physicochemical parameters by Expasy's ProtParam tool of 340 HPs from *Helicobacter pylori*

No.	UniProt ID	Molecular weight, M_w (Da)	Theoretical PI	Extinction coefficient (1/M/cm)	Instability index		Aliphatic index	Grand average of hydropathicity (GRAVY)
					Computed	Classification		
1	O24859	31,681.1	5.58	32,110	40.25	Unstable	85.49	–0.298
2	O24860	10,525.7	8.98	17,990	25.82	Stable	126.88	1.152
3	O24861	10,006.0	9.13	15,470	26.31	Stable	137.93	0.782
4	O24863	53,434.0	9.03	57,315	38.87	Stable	87.57	–0.236
5	O24869	3,740.6	10.40	12,490	38.97	Stable	84.33	0.007
6	O24871	20,649.2	9.49	24,535	31.88	Stable	96.33	0.166
7	O24873	67,897.2	9.39	60,990	37.96	Stable	86.36	–0.406
8	P56066	10,344.0	5.61	9,970	37.91	Stable	92.20	–0.095
9	O24894	49,556.6	8.64	66,030	32.43	Stable	87.52	–0.465
10	O24898	7,677.7	8.66	8,605	18.06	Stable	60.87	–0.355
11	O24899	32,723.6	5.14	3,105	41.56	Unstable.	81.83	–1.098
12	O24900	93,129.2	5.10	74,190	33.63	Stable	79.67	79.67
13	O24901	21,764.9	5.85	20,065	33.09	Stable	80.42	–0.512
14	O24902	10,516.6	4.84	12,490	49.35	Unstable	74.77	–0.938
15	O24903	57,408.0	5.24	54,235	46.03	Unstable	82.24	–0.669
16	O24904	16,102.3	5.06	23,950	29.03	Stable	86.26	–0.252
17	O24905	14,085.7	4.73	6,085	38.12	Stable	72.56	–1.121
18	O24909	65,970.3	4.34	48,710	21.81	Stable	58.94	–0.860

19	O24910	4,630.6	12.02	5,500	32.42	Stable	112.25	0.145
20	P64651	7,244.7	9.16	1,490	44.94	Unstable	119.52	0.031
21	O24914	52,340.1	9.24	78,855	37.26	Stable	84.09	–0.341
22	O24921	20,846.3	9.03	20,525	36.69	Stable	104.72	–0.359
23	O24923	26,068.6	8.49	13,410	39.31	Stable	96.96	0.165
24	O24926	42,665.1	6.92	30,870	41.71	Unstable	95.68	–0.344
25	O24932	21,582.6	8.57	48,275	52.13	Unstable	66.18	–0.656
26	O24934	27,143.3	8.62	34,965	37.99	Stable	99.22	–0.189
27	O24935	11,073.9	4.26	4,470	59.52	Unstable	72.76	–1.000
28	O24936	72,400.7	6.41	63,065	31.61	Stable	98.33	–0.209
29	P56080	34,405.4	8.81	10,805	35.04	Stable	115.26	0.055
30	O24937	45,136.4	9.46	28,670	40.80	Unstable	73.34	–0.934
31	O24938	53,649.9	9.24	34,170	53.55	Unstable	58.63	–1.256
32	O24939	45,263.7	9.54	27,180	42.25	Unstable	71.18	–0.948
33	P64653	4,914.8	8.46	1,740	59.24	Unstable	79.30	0.065
34	O24942	4,751.5	9.60	4,470	28.77	Stable	102.44	–0.210
35	O24943	16,291.8	9.34	3,105	39.20	Stable	63.05	–0.984
36	O24944	32,768.2	9.47	17,545	40.77	Unstable	63.43	–0.848
37	O24945	4,272.1	9.90	4,470	69.92	Unstable	23.64	–0.415
38	P64655	5,022.9	6.53	5,500	70.91	Unstable	110.91	–0.075
39	O24949	23,610.5	7.02	6,085	36.45	Stable	112.37	–0.051
40	O24951	27,491.8	6.94	22,390	42.17	Unstable	87.40	–0.200
41	O24959	7,790.1	9.61	5,960	8.16	Stable	110.44	–0.062
42	O24960	22,239.2	9.30	19,035	14.62	Stable	105.98	0.205

43	O24961	2,651.7	9.50	23,045	40.71	Unstable	102.45	–0.108
44	O24963	32,948.5	8.56	40,465	33.89	Stable	111.85	–0.028
45	O24964	10,716.3	8.01	5,960	48.40	Unstable	101.76	–0.315
46	O24965	23,248.0	9.03	24,870	33.00	Stable	105.70	–0.194
47	O24974	18,094.6	4.83	2,980	50.33	Unstable	88.92	–0.640
48	O24975	10,353.9	6.29	15,470	47.20	Unstable	98.74	–0.523
49	O24976	28,621.8	4.63	8,480	54.33	Unstable	72.57	–0.838
50	O24979	30,302.0	9.24	34,965	33.26	Stable	113.29	0.804
51	O24984	21,208.4	9.30	28,420	36.78	Stable	80.72	–0.599
52	O24985	30,349.7	9.23	9,970	39.88	Stable	69.03	–0.931
53	O24986	47,148.9	6.70	30,620	30.33	Stable	86.19	–0.530
54	O24989	19,827.8	6.58	26,595	30.38	Stable	140.96	0.850
55	P56117	58,287.1	9.39	61,770	29.79	Stable	93.82	–0.273
56	O24992	13,404.2	4.56	8,605	44.27	Unstable	100.76	–0.073
57	O24996	14,551.1	9.21	7,700	15.74	Stable	85.91	–0.359
58	O25010	8,598.8	9.52	5,960	47.49	Unstable	62.88	–1.297
59	O25018	22,886.4	9.50	11,920	46.46	Unstable	66.70	–0.610
60	O25022	14,438.9	8.44	28,545	35.77	Stable	91.30	–0.316
61	O25024	15,480.0	8.71	15,930	17.39	Stable	96.79	–0.111
62	O25025	11,086.6	4.69	6,990	54.85	Unstable	103.83	–0.517
63	P64657	12,109.9	5.50	7,450	32.82	Stable	73.52	–0.700
64	O25031	20,366.3	9.56	16,055	31.57	Stable	121.01	0.591
65	O25038	24,814.9	8.40	6,990	58.28	Unstable	97.26	–0.678
66	O25041	15,745.8	5.06	12,950	50.88	Unstable	81.29	–0.564

67	O25042	22,706.5	9.44	19,940	43.52	Unstable	93.94	–0.395
68	O25047	9,457.7	5.75	5,960	27.37	Stable	79.25	–0.575
69	O25048	17,944.8	9.26	25,565	33.15	Stable	86.67	–0.151
70	O25049	38,558.1	5.00	19,620	43.39	Unstable	91.50	–0.352
71	O25051	21,002.4	8.84	19,940	36.53	Stable	102.40	–0.243
72	P56132	15,175.6	8.33	11,960	33.43	Stable	64.24	–0.378
73	O25053	21,035.3	5.34	14,565	27.10	Stable	115.73	–0.010
74	O25058	56,163.3	8.93	40,925	40.30	Unstable	101.90	–0.163
75	O25061	20,110.4	6.15	21,555	45.36	Unstable	99.77	–0.011
76	O25065	33,699.4	6.10	30,495	37.30	Stable	95.48	–0.347
77	O25075	37,588.9	8.64	67,060	48.22	Unstable	81.61	–0.300
78	O25076	20,384.8	9.32	15,470	17.07	Stable	98.53	–0.023
79	O25081	13,817.7	6.82	19,605	20.97	Stable	98.44	–0.363
80	O25085	15,304.3	6.74	3,105	32.00	Stable	72.08	–0.971
81	O25104	12,223.0	8.97	5,500	44.06	Unstable	63.66	–1.123
82	O25105	21,977.6	9.81	35,980	40.87	Unstable	96.91	–0.318
83	O25107	10,319.2	8.97	6,085	43.35	Unstable	96.36	–0.524
84	O25108	3,517.3	9.50	5,625	–0.35	Stable	110.32	0.629
85	O25109	14,986.1	9.84	26,470	34.20	Stable	138.62	0.658
86	O25123	29,760.3	9.04	45,965	45965	Stable	84.76	–0.444
87	O25131	23,210.8	7.85	11,460	29.23	Stable	71.04	–1.204
88	O25145	19,843.4	9.61	17,420	31.06	Stable	115.57	0.295
89	O25146	29,031.0	9.33	22,015	55.50	Stable	89.32	–0.644
90	O25147	8,590.8	4.56	2,980	40.25	Unstable	115.66	–0.472

91	P64659	9,296.5	5.55	6,085	45.88	Unstable	91.28	–0.747
92	O25155	29,506.3	8.72	30,370	37.65	Stable	98.65	–0.039
93	O25156	25,011.0	7.68	14,690	45.51	Unstable	104.19	–0.177
94	O25159	21,166.7	5.36	27,390	45.42	Unstable	86.87	–0.661
95	O25162	22,472.8	5.04	13,980	36.17	Stable	100.97	–0.467
96	O25164	18,704.9	9.50	16,180	36.01	Stable	88.40	–0.215
97	O25172	38,765.4	7.09	44,390	30.16	Stable	104.48	104.48
98	O25174	16,129.6	5.24	6,085	36.11	Stable	103.59	0.053
99	O34995	34,416.6	5.04	34,170	24.24	Stable	76.95	–0.522
100	O34461	71,523.9	8.87	50,685	36.59	Stable	86.22	–0.495
101	O25177	47,547.4	6.23	28,475	26.70	Stable	90.55	–0.273
102	O34810	68,500.5	5.43	117,495	38.91	Stable	84.83	–0.606
103	O25178	21,136.3	8.44	26,595	30.24	Stable	82.70	–0.387
104	O25180	6,108.1	6.70	–	24.66	Stable	85.09	0.058
105	O25190	10,177.0	5.08	17,085	63.11	Unstable	119.77	0.768
106	O25191	11,429.8	9.96	21,095	34.25	Stable	111.30	0.380
107	O25192	58,853.9	8.98	44,490	34.40	Stable	81.18	–0.778
108	O25194	30,359.6	9.82	19,285	32.73	Stable	32.73	–0.292
109	O25195	41,437.3	5.36	24,660	46.35	Unstable	88.56	–0.476
110	O25196	14,824.1	5.24	11,710	28.42	Stable	103.59	–0.272
111	O25197	56,240.4	7.92	56,645	40.02	Unstable	81.63	–0.795
112	O25198	5,335.0	6.25	–	61.05	Unstable	75.45	–1.343
113	Q9WXL5	11,481.7	4.96	8,480	48.86	Unstable	73.72	–1.495
114	O25200	120,113.6	8.04	89,465	38.26	Stable	90.74	–0.521

115	O25201	27,447.4	8.31	30,495	32.22	Stable	82.33	–0.653
116	O25203	17,739.2	5.02	14,440	33.71	Stable	108.47	–0.349
117	K4NBS7	8,924.0	4.82	6,990	36.29	Stable	75.79	–0.695
118	O25204	9,970.8	5.64	13,980	31.44	Stable	125.52	0.753
119	O25205	8,858.2	9.70	2,980	42.57	Unstable	102.44	–0.544
120	O25212	72,171.7	8.95	54,375	28.16	Stable	92.63	–0.210
121	O25213	29,846.0	4.87	17,880	44.47	Unstable	98.75	–0.460
122	O25214	57,531.2	6.09	72,450	29.80	Stable	96.93	96.93
123	O25215	18,649.4	6.11	8,605	33.64	Stable	99.32	–0.360
124	O25228	29,378.6	6.14	20,315	38.47	Stable	84.60	–0.296
125	O34410	108,559.3	8.00	63,720	35.77	Stable	81.90	–0.759
126	O25232	33,226.0	5.14	12,950	35.95	Stable	86.75	–0.628
127	O25237	10,192.7	8.71	11,460	29.34	Stable	72.44	–0.624
128	O25251	4,027.7	7.82	1,615	33.12	Stable	07.89	0.650
129	O25252	78,181.9	7.48	78,200	35.31	Stable	88.28	–0.653
130	O25255	38,618.3	9.22	54,780	33.04	Stable	78.30	–0.565
131	O25280	37,110.3	8.49	28,545	40.83	Unstable	88.66	–0.793
132	O25282	16,612.6	10.28	44,460	16.17	Stable	104.21	0.601
133	O25287	49,075.9	9.19	95,370	30.45	Stable	63.32	–0.304
134	O25288	6,518.3	6.71	2,980	75.85	Unstable	85.18	–0.630
135	O25292	29,345.4	9.21	19,535	21.95	Stable	102.82	–0.194
136	O25301	77,616.6	9.16	81,600	34.57	Stable	96.68	–0.041
137	O25305	32,995.6	9.50	15,930	25.39	Stable	104.91	–0.273
138	K4NB13	8,242.2	7.91	6,990	30.49	Stable	154.17	1.629

139	O25308	110,869.8	9.26	64,180	25.91	Stable	105.46	–0.182
140	O25309	37,615.9	9.32	37,360	27.17	Stable	92.19	–0.173
141	O25316	6,085.4	5.55	11,000	24.69	Stable	153.52	1.181
142	O25317	55,481.2	8.46	58,915	33.31	Stable	102.06	0.058
143	O25324	21,346.9	10.02	27,390	36.49	Stable	77.99	–0.022
144	O25333	8,879.8	9.30	9,970	30.98	Stable	153.16	1.257
145	O25346	79,953.8	5.75	94,005	32.81	Stable	89.05	–0.537
146	O25354	16,894.1	6.06	26,820	59.17	Unstable	59.17	–0.321
147	O25358	8,639.9	5.47	15,470	20.06	Stable	92.27	–0.201
148	O25364	15,619.2	8.81	18,575	37.37	Stable	103.33	–0.303
149	O25373	47,633.3	8.93	13,410	36.68	Stable	74.90	–0.928
150	O25374	39,241.9	8.34	30,745	42.10	Unstable	110.86	–0.094
151	P64663	20,109.8	5.84	2,980	26.05	Stable	81.58	–0.772
152	O25381	53,177.1	6.77	51,145	28.31	Stable	94.90	–0.317
153	O25392	13,552.5	5.34	13,200	41.01	Unstable	75.79	–0.006
154	O25406	38,722.8	8.88	17,670	45.35	Unstable	92.19	–0.096
155	O25407	18,335.5	8.81	12,045	33.34	Stable	112.28	0.137
156	O25408	43,414.4	6.31	13,075	36.49	Stable	100.89	–0.220
157	O25412	13,141.0	5.73	7,450	49.11	Unstable	102.72	–0.344
158	O25423	17,580.9	8.93	2,980	33.93	Stable	52.70	–1.316
159	O25429	41,826.8	6.24	35,760	39.00	Stable	99.66	–0.400
160	O25430	11,575.4	5.50	2,980	36.58	Stable	102.38	–0.358
161	O25431	66,056.1	5.65	53,650	37.62	Stable	7.84	–0.635
162	O25442	48,082.6	9.18	61,770	28.79	Stable	81.38	–0.537

163	O25450	23,847.4	8.97	14,690	29.22	Stable	92.33	–0.168
164	O25451	6,057.9	3.28	10,430	75.49	Unstable	22.29	–2.171
165	O25456	23,647.9	9.98	30,160	65.39	Unstable	103.30	–0.221
166	O25457	21,180.4	6.96	11,920	45.66	Unstable	100.22	–0.210
167	O25459	47,876.4	7.91	22,515	35.42	Stable	89.88	–0.149
168	O25460	11,626.0	4.89	2,980	50.73	Unstable	98.53	–0.583
169	O25461	30,935.4	5.22	10,680	32.25	Stable	95.73	–0.249
170	O25468	26,738.5	9.90	32,445	34.89	Stable	92.42	–0.255
171	O25469	10,227.9	9.47	15,595	21.51	Stable	111.67	–0.093
172	O25470	49,445.2	5.60	35,425	46.71	Unstable	93.87	–0.388
173	O25472	18,614.2	5.25	6,990	28.58	Stable	102.91	–0.558
174	O25478	5,492.0	4.63	2,980	25.86	Stable	75.42	–0.660
175	O25483	32,196.0	9.52	66,015	32.48	Stable	106.20	0.262
176	O25491	12,842.0	6.59	4,845	53.32	Unstable	92.04	–0.448
177	O25495	17,006.6	7.70	20,065	45.34	Unstable	107.97	–0.207
178	O25498	18,051.2	9.76	12,950	35.43	Stable	92.55	–0.250
179	O25499	13,168.4	8.42	3,105	28.09	Stable	89.82	–0.197
180	O25504	33,932.2	5.50	20,525	40.60	Unstable	71.44	–0.793
181	O25509	24,339.9	9.35	20,525	49.40	Unstable	81.37	–0.535
182	O25510	63,653.5	9.50	66,030	29.74	Stable	80.07	–0.075
183	O25513	27,890.6	8.43	7,450	34.72	Stable	111.84	–0.187
184	O25520	11,289.9	6.73	5,960	39.22	Stable	97.50	–0.525
185	O25523	35,776.8	6.23	30,620	34.14	Stable	83.19	–0.507
186	O25527	42,995.8	9.00	55,365	36.33	Stable	96.95	–0.215

187	O25535	25,402.0	8.80	21,890	44.11	Unstable	91.74	–0.579
188	O25538	18,411.2	9.30	8,940	42.74	Unstable	100.00	–0.980
189	O25542	32,796.4	8.82	22,015	32.54	Stable	81.79	–0.330
190	O25545	6,842.9	4.99	15,470	29.29	Stable	121.40	0.023
191	O25546	23,495.7	5.56	23,950	24.71	Stable	94.65	–0.516
192	O25547	16,208.4	5.16	12,950	34.31	Stable	97.57	–0.626
193	O25548	3,537.3	8.25	–	34.63	Stable	113.23	0.468
194	O25550	70,803.0	7.56	53,220	48.17	Unstable	88.50	–0.511
195	O25553	11,356.1	9.79	4,595	40.94	Unstable	72.00	–1.062
196	O25555	14,713.7	8.80	4,595	41.30	Unstable	68.72	–1.090
197	O25557	24,372.9	10.11	16,515	23.29	Stable	81.15	–0.670
198	O25562	11,030.0	6.19	125	33.14	Stable	113.13	0.045
199	O25564	58,160.8	9.14	9,970	31.40	Stable	58.63	–1.230
200	O25567	23,551.8	5.94	35,535	33.01	Stable	88.31	–0.463
201	O25576	16,136.6	10.13	7,450	30.53	Stable	94.13	–0.317
202	O25579	274,562.7	5.78	233,365	29.52	Stable	76.74	–0.413
203	O25589	18,418.3	5.84	10,680	37.36	Stable	93.85	–0.158
204	O25592	13,763.7	5.41	19,940	29.07	Stable	97.39	–0.541
205	O25601	13,587.8	9.83	8,940	21.02	Stable	75.58	–0.222
206	O25602	39,700.1	8.86	38,975	32.03	Stable	92.97	–0.223
207	O25607	21,221.7	8.70	20,525	32.89	Stable	103.72	0.043
208	O25616	51,795.4	5.01	33,475	43.92	Unstable	82.89	–0.574
209	O25617	41,716.8	5.00	26,025	42.13	Unstable	80.44	–0.645
210	O25618	50,173.9	6.61	34,505	40.24	Unstable	85.69	–0.604

211	O25619	62,576.6	5.43	19,495	39.52	Stable	105.65	–0.324
212	O25624	47,710.0	8.24	45,270	30.00	Stable	96.83	–0.301
213	O25625	39,810.4	9.39	40,130	45.90	Unstable	65.86	–0.837
214	O25630	11,409.5	8.98	8,605	13.34	Stable	98.40	0.368
215	O25632	25,974.0	9.11	36,120	29.09	Stable	128.31	0.913
216	O25635	12,441.0	9.32	10,470	54.78	Unstable	107.48	0.744
217	O25636	27,541.7	8.39	22,265	38.39	Stable	101.22	–0.419
218	O25637	8,887.5	9.82	–	17.18	Stable	100.00	–0.292
219	O25641	9,574.9	4.87	11,460	41.69	Unstable	99.88	–0.177
220	O25642	30,853.8	5.64	23,505	44.05	Unstable	89.89	–0.440
221	O25644	71,434.9	7.69	56,520	39.59	Stable	77.45	–1.035
222	O25647	11,380.9	8.73	5,960	22.03	Stable	63.30	–1.123
223	O25648	45,957.9	8.78	28,850	42.12	Unstable	73.58	–0.789
224	O25651	12,293.7	5.91	4,470	60.77	Unstable	75.10	–1.066
225	K4ND94	6,379.6	9.57	8,940	58.17	Unstable	121.51	0.117
226	O25667	46,796.4	9.73	76,670	19.40	Stable	81.11	–0.100
227	O25672	19,212.0	9.50	27,515	28.75	Stable	77.27	–0.485
228	O25673	20,294.4	7.07	10,430	25.17	Stable	93.15	–0.217
229	O25689	10,381.5	10.08	7,240	33.61	Stable	84.38	–0.426
230	O25691	16,060.5	6.82	11,920	25.45	Stable	82.93	–0.074
231	O25694	48,295.3	9.54	42,650	22.29	Stable	97.77	–0.242
232	O25704	10,871.9	9.42	18,700	30.83	Stable	99.57	–0.053
233	O25705	15,513.0	6.02	10,220	20.23	Stable	106.96	0.198
234	O07680	10,006.1	9.89	9,190	20.46	Stable	98.81	0.415

235	O25707	31,440.2	9.31	21,890	29.95	Stable	86.37	–0.677
236	O25708	50,233.2	9.00	51,465	46.44	Unstable	94.18	–0.270
237	O25709	19,288.1	4.65	3,105	46.04	Unstable	104.97	–0.178
238	O25710	27,122.1	6.25	27,515	25.65	Stable	90.22	–0.707
239	O25713	23,736.8	9.52	19,035	36.73	Stable	92.42	–0.086
240	O25717	19,691.3	4.43	30,035	23.16	Stable	99.77	–0.027
241	O25721	90,792.8	5.54	63,775	42.24	Unstable	96.95	–0.342
242	O25726	13,486.5	5.30	20,065	22.74	Stable	110.00	–0.066
243	O25727	3,432.2	10.90	–	36.02	Stable	150.97	0.526
244	O25734	51,103.2	9.50	135,695	36.03	Stable	60.09	–0.393
245	O25741	25,672.4	4.84	9,970	37.35	Stable	87.81	–0.679
246	O34410	108,559.3	8.00	63,720	35.77	Stable	81.90	–0.759
247	O25745	16,945.4	6.38	4,470	31.09	Stable	95.49	–0.455
248	O25747	8,598.9	8.96	2,980	37.76	Stable	95.00	–0.561
249	K4NFN1	7,964.5	9.87	7,115	39.72	Stable	80.29	0.188
250	O25749	38,377.7	9.37	37,360	57.27	Unstable	80.00	–0.826
251	O25761	88,752.5	5.56	90,355	38.72	Stable	78.35	–0.785
252	O25762	50,644.4	5.30	30,285	43.21	Unstable	78.41	–0.913
253	O25768	12,710.6	7.80	6,085	18.71	Stable	77.91	–0.293
254	O25787	20,585.8	8.95	13,535	23.84	Stable	86.78	–0.367
255	O25799	43,994.1	9.56	28,670	46.34	Unstable	70.47	–0.988
256	O25803	10,282.0	9.93	1,490	19.17	Stable	78.60	–0.756
257	K4NT00	7,215.4	9.87	1,490	10.06	Stable	96.03	–0.249
258	O25808	25,560.1	5.91	23,380	39.72	Stable	8.29	–0.317

259	O25816	18,699.6	8.20	32,805	47.32	Unstable	128.81	0.686
260	O25818	7,628.7	9.39	10,095	68.93	Unstable	82.06	–0.637
261	O25831	17,360.4	5.25	10,430	50.37	Unstable	70.26	–0.710
262	O25834	22,149.4	5.57	20,065	47.78	Unstable	100.71	–0.590
263	O25839	9,111.2	6.19	1,490	27.02	Stable	65.53	–1.197
264	O25843	21,396.7	9.06	11,460	48.88	Unstable	81.25	–0.547
265	O25848	17,843.4	10.07	19,940	33.49	Stable	98.25	0.269
266	O25854	8,926.3	6.58	5,500	35.52	Stable	88.55	–0.337
267	O25855	37,229.7	5.68	32,110	52.80	Unstable	103.26	–0.158
268	O25864	92,524.5	8.90	95,955	35.72	Stable	93.06	–0.423
269	O25866	10,736.1	6.09	8,480	25.07	Stable	63.51	–1.218
270	O25870	56,944.3	9.34	56,075	36.70	Stable	90.47	–0.195
271	O25872	26,297.4	9.30	35,535	42.03	Unstable	90.35	–0.452
272	O25873	20,614.7	9.20	12,950	18.55	Stable	77.64	–0.419
273	O25875	13,775.7	7.66	15,720	23.85	Stable	70.91	0.017
274	O25881	22,967.7	9.52	18,910	32.92	Stable	101.49	–0.053
275	O25882	9,611.9	8.98	1,615	33.74	Stable	78.80	–0.949
276	O25884	13,829.3	9.62	13,980	11.65	Stable	92.80	–0.131
277	O25886	38,611.7	8.94	27,390	41.23	Unstable	100.41	–0.275
278	O25888	13,303.2	9.51	13,075	40.65	Unstable	138.09	0.976
279	O25891	44,223.9	9.23	10,680	46.15	Unstable	90.52	–0.552
280	O25892	26,487.8	9.28	20,650	40.31	Unstable	93.62	–0.616
281	O25894	29,728.8	9.14	27,765	39.01	Stable	97.19	–0.283
282	O25904	44,395.2	8.92	40,465	29.34	Stable	110.85	0.086

283	O25906	34,798.8	7.03	36,330	46.00	Unstable	90.14	–0.702
284	O25913	21,310.9	7.67	29,700	34.76	Stable	109.78	0.067
285	O25930	26,256.4	9.32	41,830	45.11	Unstable	81.14	–0.504
286	O25932	8,868.4	9.52	15,470	13.93	Stable	110.13	0.279
287	O25933	15,475.4	8.76	20,525	48.38	Unstable	67.46	–1.034
288	O25934	18,193.6	10.04	12,950	32.06	Stable	125.62	0.097
289	O25935	7,875.9	5.02	4,720	41.12	Unstable	68.82	–0.603
290	K4NTI9	12,369.5	9.08	14,565	47.35	Unstable	99.35	–0.096
291	O25938	18,018.4	7.59	10,220	54.19	Unstable	62.82	–1.117
292	O25939	7,120.0	5.36	3,105	62.30	Unstable	60.17	–0.992
293	O25940	19,097.2	4.50	4,720	37.20	Stable	66.45	–1.193
294	O25941	10,960.1	4.68	8,480	46.66	Unstable	82.76	–0.680
295	O25942	51,095.6	9.34	26,485	37.09	Stable	94.87	–0.517
296	O34810	68,500.5	5.43	117,495	38.91	Stable	84.83	–0.606
297	O34461	71,523.9	8.87	50,685	36.59	Stable	86.22	–0.495
298	O34995	34,416.6	5.04	34,170	24.24	Stable	76.95	–0.522
299	O25960	13,011.9	4.84	11,460	40.67	Unstable	111.42	–0.142
300	O25966	9,385.0	9.55	10,095	45.15	Unstable	102.14	–0.148
301	O25967	23,434.2	9.83	33,920	27.92	Stable	83.35	–0.356
302	O25974	99,279.0	8.72	93,670	33.37	Stable	78.21	–0.540
303	O25977	9,599.3	9.30	8,730	83.17	Unstable	79.76	–0.343
304	O25978	27,734.5	6.54	24,410	42.02	Unstable	93.05	–0.464
305	O25979	38,761.2	7.05	35,090	29.19	Stable	87.69	–0.565
306	O25981	29,361.8	8.65	40,590	32.26	Stable	86.64	–0.187

307	O25990	30,136.7	6.14	21,890	32.84	Stable	98.22	–0.463
308	O25993	33,870.7	9.31	29,465	31.68	Stable	91.72	–0.379
309	O25994	14,738.6	9.44	30,605	19.11	Stable	103.54	0.006
310	O25998	20,480.2	6.54	27,055	41.41	Unstable	57.27	–1.008
311	O25999	24,840.7	9.17	13,075	36.30	Stable	98.49	–0.084
312	O26000	30,489.2	8.34	19,035	23.29	Stable	101.00	–0.120
313	O26006	45,084.6	8.14	40,130	31.74	Stable	85.31	–0.309
314	O26007	77,049.7	8.18	58,595	43.14	Unstable	91.19	–0.513
315	O26014	96,653.8	6.18	101,540	35.21	Stable	92.83	–0.423
316	O26015	30,759.2	5.20	43,680	34.94	Stable	92.34	–0.188
317	O26019	21,466.7	9.03	8,940	35.75	Stable	87.79	–0.336
318	O26020	42,545.2	7.16	38,975	42.21	Unstable	121.70	0.582
319	O26021	41,089.8	8.80	44,600	29.90	Stable	113.56	0.621
320	O26022	57,011.9	9.16	40,800	33.25	Stable	100.76	–0.089
321	O26025	10,120.9	6.57	3,105	54.16	Unstable	112.70	–0.087
322	O26026	23,947.2	5.00	16,390	46.42	Unstable	87.59	–0.437
323	O26035	39,025.2	8.51	22,960	39.16	Stable	97.62	–0.294
324	O26041	12,441.4	9.99	9,970	49.05	Unstable	94.91	–0.153
325	O26042	97,384.6	9.05	134,555	28.43	Stable	71.74	–0.488
326	O26045	22,018.9	9.57	28,880	32.99	Stable	96.37	–0.047
327	O26046	149,716.0	7.14	157,070	25.80	Stable	92.23	–0.541
328	O26047	11,218.7	8.86	2,980	39.89	Stable	82.11	–0.789
329	O26055	54,783.7	6.63	40,715	51.11	Unstable	71.04	–0.846
330	O26058	20,200.3	5.42	9,190	40.07	Unstable	100.72	0.107

331	P64665	9,098.7	5.14	–	45.63	Unstable	114.81	–0.078
332	O26063	26,845.4	9.24	18,910	38.10	Stable	70.13	–0.710
333	O26088	20,878.0	9.39	17,085	19.21	Stable	82.57	–0.612
334	O26089	22,824.9	8.57	14,440	60.25	Unstable	78.68	–0.468
335	O26095	9,981.6	5.26	9,970	31.39	Stable	108.33	0.091
336	O26099	16,473.1	6.31	4,595	3660	Stable	102.39	–0.240
337	O26100	24,548.7	9.62	51,130	30.64	Stable	97.09	0.263
338	O26107	28,417.6	5.45	27,640	39.02	Stable	98.70	–0.202
339	K4NEW8	23,058.7	8.81	26,150	4.95	Unstable	101.88	–0.038
340	O26108	4,636.1	4.20	4,470	46.53	Unstable	82.56	–0.621

HPs, hypothetical proteins; PI, isoelectric point.