

SUPPLEMENTARY INFORMATION

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

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Supplementary Table 3. Virulence factors analysis of 340 hypothetical proteins *Helicobacter pylori*

No.	UniProt ID	VirulentPred	VICMpred
1	O24859	No	No
2	O24860	No	No
3	O24861	Yes	No
4	O24863	Yes	Yes
5	O24869	Yes	No
6	O24871	Yes	No
7	O24873	Yes	No
8	P56066	No	No
9	O24894	Yes	Yes
10	O24898	Yes	No
11	O24899	Yes	No
12	O24900	No	No
13	O24901	No	No
14	O24902	Yes	No
15	O24903	No	No
16	O24904	Yes	No
17	O24905	Yes	No
18	O24909	Yes	Yes
19	O24910	Yes	No
20	P64651	Yes	No
21	O24914	No	No
22	O24921	Yes	No
23	O24923	No	No
24	O24926	No	Yes
25	O24932	No	No
26	O24934	Yes	No
27	O24935	Yes	No
28	O24936	No	No
29	P56080	No	No
30	O24937	No	No
31	O24938	Yes	No
32	O24939	No	No
33	P64653	Yes	No
34	O24942	Yes	No

35	O24943	Yes	No
36	O24944	Yes	No
37	O24945	Yes	No
38	P64655	Yes	No
39	O24949	No	No
40	O24951	No	Yes
41	O24959	Yes	No
42	O24960	No	No
43	O24961	No	No
44	O24963	No	No
45	O24964	Yes	No
46	O24965	Yes	No
47	O24974	Yes	No
48	O24975	Yes	No
49	O24976	No	Yes
50	O24979	No	No
51	O24984	No	No
52	O24985	No	No
53	O24986	No	No
54	O24989	No	No
55	P56117	No	No
56	O24992	No	No
57	O24996	Yes	No
58	O25010	Yes	No
59	O25018	Yes	No
60	O25022	Yes	No
61	O25024	No	No
62	O25025	Yes	No
63	P64657	Yes	No
64	O25031	Yes	No
65	O25038	Yes	No
66	O25041	Yes	No
67	O25042	Yes	No
68	O25047	Yes	No
69	O25048	No	No
70	O25049	No	No
71	O25051	Yes	No

72	P56132	No	No
73	O25053	No	No
74	O25058	No	No
75	O25061	Yes	No
76	O25065	No	No
77	O25075	No	No
78	O25076	No	No
79	O25081	Yes	No
80	O25085	Yes	Yes
81	O25104	Yes	No
82	O25105	Yes	No
83	O25107	Yes	No
84	O25108	Yes	No
85	O25109	Yes	No
86	O25123	No	No
87	O25131	Yes	No
88	O25145	Yes	No
89	O25146	Yes	No
90	O25147	Yes	No
91	P64659	Yes	No
92	O25155	Yes	No
93	O25156	No	No
94	O25159	Yes	No
95	O25162	No	Yes
96	O25164	Yes	No
97	O25172	No	No
98	O25174	No	No
99	O34995	No	No
100	O34461	No	No
101	O25177	Yes	No
102	O34810	No	No
103	O25178	Yes	No
104	O25180	Yes	No
105	O25190	Yes	No
106	O25191	Yes	No
107	O25192	Yes	No
108	O25194	Yes	No

109	O25195	No	No
110	O25196	No	No
111	O25197	No	No
112	O25198	Yes	No
113	Q9WXL5	Yes	No
114	O25200	No	No
115	O25201	No	No
116	O25203	Yes	No
117	K4NBS7	Yes	No
118	O25204	Yes	No
119	O25205	Yes	No
120	O25212	No	No
121	O25213	Yes	No
122	O25214	No	No
123	O25215	No	No
124	O25228	Yes	No
125	O34410	Yes	Yes
126	O25232	Yes	No
127	O25237	Yes	No
128	O25251	No	No
129	O25252	Yes	No
130	O25255	No	No
131	O25280	Yes	No
132	O25282	No	No
133	O25287	No	Yes
134	O25288	Yes	No
135	O25292	Yes	No
136	O25301	Yes	No
137	O25305	Yes	No
138	K4NB13	Yes	No
139	O25308	Yes	No
140	O25309	Yes	Yes
141	O25316	Yes	No
142	O25317	No	No
143	O25324	No	No
144	O25333	Yes	No
145	O25346	No	Yes

146	O25354	Yes	No
147	O25358	No	No
148	O25364	Yes	No
149	O25373	No	No
150	O25374	No	No
151	P64663	Yes	No
152	O25381	Yes	No
153	O25392	Yes	No
154	O25406	Yes	No
155	O25407	No	No
156	O25408	Yes	No
157	O25412	No	No
158	O25423	Yes	No
159	O25429	No	Yes
160	O25430	Yes	No
161	O25431	No	No
162	O25442	Yes	No
163	O25450	No	No
164	O25451	Yes	No
165	O25456	Yes	No
166	O25457	Yes	Yes
167	O25459	No	No
168	O25460	No	No
169	O25461	No	No
170	O25468	Yes	No
171	O25469	Yes	No
172	O25470	Yes	No
173	O25472	Yes	No
174	O25478	Yes	No
175	O25483	No	No
176	O25491	Yes	No
177	O25495	Yes	No
178	O25498	Yes	No
179	O25499	Yes	No
180	O25504	Yes	No
181	O25509	Yes	No
182	O25510	Yes	No

183	O25513	No	No
184	O25520	Yes	No
185	O25523	No	No
186	O25527	Yes	No
187	O25535	Yes	No
188	O25538	Yes	No
189	O25542	No	No
190	O25545	Yes	No
191	O25546	Yes	No
192	O25547	Yes	No
193	O25548	Yes	No
194	O25550	No	No
195	O25553	Yes	No
196	O25555	Yes	No
197	O25557	Yes	No
198	O25562	No	No
199	O25564	Yes	No
200	O25567	Yes	No
201	O25576	Yes	No
202	O25579	Yes	Yes
203	O25589	Yes	Yes
204	O25592	No	No
205	O25601	Yes	Yes
206	O25602	No	No
207	O25607	Yes	No
208	O25616	No	No
209	O25617	No	No
210	O25618	No	Yes
211	O25619	No	No
212	O25624	Yes	No
213	O25625	Yes	No
214	O25630	No	No
215	O25632	Yes	No
216	O25635	Yes	No
217	O25636	Yes	No
218	O25637	Yes	No
219	O25641	Yes	No

220	O25642	Yes	No
221	O25644	No	Yes
222	O25647	Yes	No
223	O25648	No	No
224	O25651	Yes	No
225	K4ND94	Yes	No
226	O25667	Yes	No
227	O25672	Yes	No
228	O25673	No	No
229	O25689	Yes	No
230	O25691	Yes	No
231	O25694	No	No
232	O25704	Yes	No
233	O25705	Yes	No
234	O07680	Yes	No
235	O25707	Yes	No
236	O25708	No	No
237	O25709	Yes	No
238	O25710	No	No
239	O25713	Yes	Yes
240	O25717	No	No
241	O25721	No	No
242	O25726	Yes	No
243	O25727	Yes	No
244	O25734	No	No
245	O25741	Yes	No
246	O34410	Yes	Yes
247	O25745	Yes	No
248	O25747	Yes	No
249	K4NFN1	Yes	No
250	O25749	Yes	No
251	O25761	Yes	No
252	O25762	No	No
253	O25768	Yes	No
254	O25787	No	No
255	O25799	Yes	No
256	O25803	Yes	No

257	K4NT00	Yes	Yes
258	O25808	No	No
259	O25816	Yes	No
260	O25818	Yes	No
261	O25831	Yes	No
262	O25834	No	No
263	O25839	Yes	No
264	O25843	Yes	No
265	O25848	Yes	No
266	O25854	No	No
267	O25855	No	No
268	O25864	Yes	Yes
269	O25866	Yes	No
270	O25870	Yes	Yes
271	O25872	No	No
272	O25873	No	No
273	O25875	Yes	No
274	O25881	No	No
275	O25882	Yes	No
276	O25884	Yes	No
277	O25886	Yes	Yes
278	O25888	Yes	No
279	O25891	Yes	No
280	O25892	Yes	No
281	O25894	No	No
282	O25904	Yes	No
283	O25906	Yes	No
284	O25913	No	No
285	O25930	Yes	No
286	O25932	Yes	No
287	O25933	Yes	No
288	O25934	Yes	Yes
289	O25935	Yes	No
290	K4NTI9	Yes	No
291	O25938	Yes	No
292	O25939	Yes	No
293	O25940	Yes	No

294	O25941	Yes	No
295	O25942	Yes	No
296	O34810	No	No
297	O34461	No	No
298	O34995	No	No
299	O25960	No	No
300	O25966	No	No
301	O25967	No	No
302	O25974	No	Yes
303	O25977	Yes	No
304	O25978	Yes	No
305	O25979	Yes	Yes
306	O25981	Yes	No
307	O25990	No	No
308	O25993	Yes	Yes
309	O25994	No	No
310	O25998	Yes	No
311	O25999	Yes	No
312	O26000	No	Yes
313	O26006	Yes	No
314	O26007	Yes	No
315	O26014	Yes	No
316	O26015	No	No
317	O26019	No	No
318	O26020	Yes	No
319	O26021	No	No
320	O26022	Yes	No
321	O26025	Yes	No
322	O26026	No	No
323	O26035	Yes	No
324	O26041	Yes	No
325	O26042	Yes	Yes
326	O26045	Yes	No
327	O26046	Yes	No
328	O26047	Yes	No
329	O26055	Yes	No
330	O26058	No	No

331	P64665	No	No
332	O26063	Yes	No
333	O26088	Yes	No
334	O26089	Yes	No
335	O26095	Yes	No
336	O26099	No	No
337	O26100	No	No
338	O26107	No	No
339	K4NEW8	Yes	Yes
340	O26108	Yes	No
