



Summary Report

Seq. Id	Non-Homologous	Localization	Essential	Virulent	Helices < 2	Annotated
1						
	0	Cytoplasmic	16	0	OUT: 0	
2						
	1	Cytoplasmic	0	0	OUT: 0	
3						
	0	OuterMembrane	1	3	OUT: 0	
4						
	0	OuterMembrane	0	15	OUT: 0	
5						
	0	CytoplasmicMembrane	1	0	IN: 8	
6						
	0	CytoplasmicMembrane	0	0	IN: 2	
7						
	2	CytoplasmicMembrane	3	1	IN: 6	
8						

	0	Cytoplasmic	0	11	OUT: 0	
9						
	0	Cytoplasmic	1	6	OUT: 0	
10						
	0	OuterMembrane	0	48	IN: 1	
11						
	0	Unknown	0	4	OUT: 0	
12						
	4	Cytoplasmic	3	0	OUT: 0	
13						
	0	Unknown	0	0	OUT: 0	
14						
	0	Cytoplasmic	0	0	OUT: 0	
15						
	0	Cytoplasmic	23	0	OUT: 0	
17						
	0	Cytoplasmic	0	0	OUT: 0	
16						
	0	Cytoplasmic	0	0	OUT: 0	
19						

	0	Cytoplasmic	1	0	IN: 0	
18						
	0	Cytoplasmic	0	3	IN: 1	
21						
	0	Unknown	0	0	IN: 1	
20						
	0	Cytoplasmic	0	0	IN: 3	
23						
	0	CytoplasmicMembrane	0	0	OUT: 1	
22						
	0	CytoplasmicMembrane	0	3	OUT: 13	
25						
	10	Cytoplasmic	4	0	OUT: 0	
24						
	0	Unknown	1	0	OUT: 0	
27						
	0	Cytoplasmic	0	0	OUT: 2	
26						
	0	Unknown	4	0	OUT: 0	

29						
	0	Unknown	0	0	OUT: 0	
28						
	0	Unknown	0	0	IN: 1	
31						
	0	Cytoplasmic	0	0	IN: 1	
30						
	0	Unknown	1	0	IN: 1	
34						
	0	Unknown	0	0	IN: 0	
35						
	0	Unknown	1	0	OUT: 2	
32						
	0	Unknown	1	0	OUT: 0	
33						
	0	Cytoplasmic	0	0	IN: 1	
38						
	9	Periplasmic	1	0	OUT: 2	
39						
	0	CytoplasmicMem brane	0	0	IN: 4	

36						
	0	Unknown	1	0	OUT: 0	
37						
	0	CytoplasmicMembrane	1	0	OUT: 5	
42						
	0	Unknown	0	0	OUT: 0	
43						
	0	Unknown	1	0	IN: 1	
40						
	0	Unknown	0	0	OUT: 1	
41						
	0	Cytoplasmic	0	0	OUT: 0	
46						
	0	Cytoplasmic	0	3	IN: 1	
47						
	0	Unknown	0	0	OUT: 1	
44						
	0	OuterMembrane	0	4	OUT: 0	
45						
	0	CytoplasmicMem	1	0	OUT: 15	

		brane				
51						
	0	Cytoplasmic	17	0	IN: 0	
50						
	0	Cytoplasmic	0	0	OUT: 2	
49						
	0	CytoplasmicMembrane	0	0	IN: 1	
48						
	0	Unknown	1	0	OUT: 0	
55						
	0	Unknown	0	0	IN: 3	
54						
	0	CytoplasmicMembrane	1	1	OUT: 13	
53						
	0	OuterMembrane	0	0	OUT: 0	
52						
	0	Cytoplasmic	0	3	OUT: 2	
59						
	0	Cytoplasmic	0	0	OUT: 0	

























































58						
	0	Unknown	1	0	OUT: 0	
57						
	0	Cytoplasmic	3	0	OUT: 1	
56						
	0	Cytoplasmic	0	0	OUT: 0	
63						
	0	Cytoplasmic	1	0	OUT: 0	
62						
	0	Cytoplasmic	1	0	IN: 1	
61						
	4	Periplasmic	1	4	OUT: 0	
60						
	16	Cytoplasmic	3	0	OUT: 0	
68						
	0	Cytoplasmic	0	0	OUT: 0	
69						
	0	Cytoplasmic	0	0	OUT: 0	
70						
	0	Cytoplasmic	0	0	OUT: 0	

71						
	0	Cytoplasmic	0	3	OUT: 1	
64						
	0	Cytoplasmic	1	0	OUT: 0	
65						
	0	CytoplasmicMembrane	5	0	OUT: 4	
66						
	0	Cytoplasmic	2	0	IN: 0	
67						
	0	Cytoplasmic	0	0	IN: 1	
76						
	0	Unknown	1	0	OUT: 0	
77						
	0	CytoplasmicMembrane	0	0	OUT: 1	
78						
	0	Unknown	0	0	OUT: 0	
79						
	0	CytoplasmicMembrane	0	0	IN: 1	

72	0	Cytoplasmic	3	3	OUT: 0	
73						
	0	Cytoplasmic	0	0	OUT: 0	
74						
	0	Extracellular	0	15	OUT: 2	
75						
	0	Extracellular	0	7	OUT: 0	
85						
	0	OuterMembrane	0	4	IN: 1	
84						
	0	Cytoplasmic	1	2	OUT: 0	
87						
	0	Cytoplasmic	0	0	OUT: 0	
86						
	0	Extracellular	0	0	OUT: 0	
81						
	0	CytoplasmicMembrane	0	3	OUT: 11	
80						
	0	Unknown	0	0	OUT: 0	
83						

	0	Cytoplasmic	0	0	OUT: 0	
82						
	0	Cytoplasmic	0	0	OUT: 1	
93						
	0	Cytoplasmic	0	3	OUT: 0	
92						
	0	Periplasmic	0	0	IN: 1	
95						
	0	Unknown	0	0	OUT: 0	
94						
	0	Unknown	0	1	IN: 1	
89						
	0	Unknown	1	0	OUT: 4	
88						
	0	Cytoplasmic	0	0	OUT: 0	
91						
	0	Cytoplasmic	0	4	IN: 0	
90						
	0	Cytoplasmic	1	0	IN: 0	
102						

	0	Cytoplasmic	2	0	IN: 1	
103						
	0	Unknown	0	0	IN: 1	
100						
	0	Unknown	0	8	IN: 1	
101						
	0	Cytoplasmic	6	0	OUT: 0	
98						
	0	Cytoplasmic	0	0	OUT: 0	
99						
	1	Cytoplasmic	29	3	OUT: 0	
96						
	0	Cytoplasmic	0	0	OUT: 0	
97						
	0	Cytoplasmic	11	0	OUT: 0	
110						
	0	Unknown	0	0	OUT: 2	
111						
	0	Unknown	0	0	OUT: 2	
108						

	0	Unknown	0	0	OUT: 0	
109						
	6	Cytoplasmic	16	0	OUT: 2	
106						
	0	Unknown	1	0	IN: 5	
107						
	3	Cytoplasmic	2	3	OUT: 0	
104						
	0	Cytoplasmic	0	0	OUT: 2	
105						
	0	Cytoplasmic	8	0	OUT: 0	
119						
	0	Unknown	0	0	IN: 1	
118						
	0	Unknown	0	0	OUT: 0	
117						
	0	CytoplasmicMem brane	1	0	OUT: 0	
116						
	0	Cytoplasmic	1	0	OUT: 0	
115						

	0	Cytoplasmic	0	0	OUT: 1	
114						
	0	Cytoplasmic	0	0	OUT: 0	
113						
	0	CytoplasmicMembrane	1	1	OUT: 1	
112						
	0	Extracellular	0	0	IN: 1	
127						
	0	Cytoplasmic	0	0	IN: 1	
126						
	5	Cytoplasmic	24	3	OUT: 0	
125						
	0	CytoplasmicMembrane	12	6	IN: 5	
124						
	0	Cytoplasmic	1	0	OUT: 0	
123						
	0	Cytoplasmic	16	0	IN: 1	
122						
	0	Cytoplasmic	0	0	OUT: 3	

121						
	0	CytoplasmicMem brane	0	0	IN: 9	
120						
	0	CytoplasmicMem brane	0	0	IN: 1	
137						
	0	Unknown	0	2	OUT: 0	
136						
	0	CytoplasmicMem brane	0	2	OUT: 1	
139						
	0	Cytoplasmic	2	0	OUT: 0	
138						
	0	Cytoplasmic	1	0	OUT: 0	
141						
	0	CytoplasmicMem brane	0	4	OUT: 2	
140						
	0	Unknown	0	0	OUT: 0	
143						
	0	CytoplasmicMem	0	0	IN: 6	

		brane				
142						
	0	Cytoplasmic	0	0	OUT: 0	
129						
	0	Unknown	0	0	OUT: 0	
128						
	0	Cytoplasmic	0	0	IN: 0	
131						
	0	CytoplasmicMembrane	0	0	OUT: 0	
130						
	0	Cytoplasmic	0	0	OUT: 0	
133						
	0	OuterMembrane	0	15	OUT: 0	
132						
	0	Unknown	0	0	OUT: 1	
135						
	0	Unknown	0	0	IN: 1	
134						
	0	CytoplasmicMembrane	2	0	IN: 7	

152						
	0	Unknown	1	0	OUT: 0	
153						
	0	CytoplasmicMembrane	0	0	IN: 12	
154						
	9	Cytoplasmic	7	0	OUT: 0	
155						
	0	Cytoplasmic	1	0	OUT: 0	
156						
	0	Unknown	0	0	IN: 3	
157						
	0	Unknown	0	0	IN: 1	
158						
	0	Unknown	0	0	OUT: 4	
159						
	0	Unknown	0	0	IN: 0	
144						
	0	Cytoplasmic	1	0	OUT: 0	
145						
	0	Unknown	0	0	IN: 1	

146						
	0	Cytoplasmic	0	0	OUT: 0	
147						
	0	Cytoplasmic	2	0	OUT: 0	
148						
	0	Cytoplasmic	0	4	OUT: 0	
149						
	0	Cytoplasmic	0	0	OUT: 0	
150						
	0	Unknown	0	0	OUT: 0	
151						
	0	Cytoplasmic	0	0	OUT: 0	
171						
	0	Cytoplasmic	0	0	OUT: 0	
170						
	0	Unknown	0	0	OUT: 0	
169						
	0	Cytoplasmic	0	0	OUT: 0	
168						
	9	Cytoplasmic	3	0	IN: 2	

175						
	0	Cytoplasmic	5	0	OUT: 0	
174						
	0	Unknown	0	0	OUT: 0	
173						
	0	CytoplasmicMembrane	1	0	OUT: 0	
172						
	0	CytoplasmicMembrane	0	0	OUT: 5	
163						
	0	Cytoplasmic	0	0	OUT: 0	
162						
	0	Cytoplasmic	0	0	OUT: 0	
161						
	0	CytoplasmicMembrane	0	66	IN: 2	
160						
	0	Cytoplasmic	1	0	IN: 1	
167						
	0	OuterMembrane	0	3	OUT: 0	

166	0	Unknown	0	0	IN: 1	
165						
	0	Unknown	1	0	IN: 1	
164						
	1	Cytoplasmic	0	50	OUT: 1	
186						
	0	Cytoplasmic	3	0	OUT: 0	
187						
	0	Cytoplasmic	0	0	OUT: 0	
184						
	0	Cytoplasmic	1	0	OUT: 0	
185						
	0	Cytoplasmic	1	0	OUT: 0	
190						
	0	CytoplasmicMembrane	2	1	OUT: 3	
191						
	0	Unknown	0	0	OUT: 0	
188						
	0	Cytoplasmic	1	0	IN: 0	
189						

	0	Unknown	1	0	IN: 1	
178						
	0	Cytoplasmic	0	0	OUT: 0	
179						
	0	Cytoplasmic	0	0	OUT: 1	
176						
	0	CytoplasmicMembrane	2	0	OUT: 0	
177						
	0	CytoplasmicMembrane	0	0	IN: 1	
182						
	0	Cytoplasmic	4	0	OUT: 0	
183						
	0	Unknown	0	0	IN: 1	
180						
	0	CytoplasmicMembrane	0	3	IN: 12	
181						
	0	Cytoplasmic	0	0	OUT: 0	
205						

	0	Cytoplasmic	0	0	OUT: 0	
204						
	0	Cytoplasmic	1	0	OUT: 0	
207						
	0	Cytoplasmic	0	0	IN: 1	
206						
	0	CytoplasmicMem brane	6	0	OUT: 14	
201						
	1	CytoplasmicMem brane	1	0	IN: 13	
200						
	0	CytoplasmicMem brane	0	0	IN: 1	
203						
	0	CytoplasmicMem brane	1	0	IN: 13	
202						
	0	Extracellular	0	0	OUT: 0	
197						
	0	Cytoplasmic	0	0	IN: 1	
196						

	0	Cytoplasmic	1	0	OUT: 0	
199						
	0	Cytoplasmic	0	0	OUT: 0	
198						
	0	Cytoplasmic	1	0	OUT: 0	
193						
	0	Unknown	0	0	OUT: 0	
192						
	0	Cytoplasmic	43	0	OUT: 0	
195						
	0	CytoplasmicMem brane	0	0	IN: 6	
194						
	0	Cytoplasmic	1	0	OUT: 0	
220						
	0	Cytoplasmic	0	0	OUT: 0	
221						
	0	CytoplasmicMem brane	1	0	IN: 4	
222						
	0	CytoplasmicMem	0	0	IN: 5	

		brane				
223						
	0	Unknown	2	0	OUT: 0	
216						
	0	Cytoplasmic	49	0	OUT: 0	
217						
	0	Cytoplasmic	7	0	OUT: 1	
218						
	0	Cytoplasmic	1	0	OUT: 0	
219						
	0	Cytoplasmic	21	0	OUT: 0	
212						
	0	CytoplasmicMem brane	0	0	IN: 2	
213						
	0	Cytoplasmic	28	1	OUT: 1	
214						
	0	CytoplasmicMem brane	13	3	OUT: 0	
215						
	0	Cytoplasmic	3	0	OUT: 0	

208						
	0	CytoplasmicMembrane	24	43	IN: 10	
209						
	0	Cytoplasmic	1	0	OUT: 0	
210						
	0	CytoplasmicMembrane	0	0	OUT: 1	
211						
	0	Unknown	0	0	OUT: 0	
239						
	0	Cytoplasmic	0	0	OUT: 0	
238						
	12	Cytoplasmic	6	0	OUT: 2	
237						
	0	Unknown	0	0	OUT: 0	
236						
	0	Unknown	0	0	IN: 1	
235						
	0	Periplasmic	0	18	IN: 1	
234						

	0	Unknown	0	0	OUT: 0	
233						
	0	Cytoplasmic	1	0	OUT: 0	
232						
	0	Unknown	0	0	OUT: 0	
231						
	0	CytoplasmicMembrane	28	5	OUT: 2	
230						
	0	Unknown	0	0	OUT: 2	
229						
	0	Unknown	0	0	IN: 3	
228						
	0	Unknown	0	0	OUT: 0	
227						
	0	Unknown	1	0	OUT: 1	
226						
	14	Cytoplasmic	23	0	OUT: 0	
225						
	0	Unknown	0	0	OUT: 0	
224						

	0	CytoplasmicMembrane	0	3	OUT: 2	
254						
	0	OuterMembrane	0	0	OUT: 0	
255						
	0	Cytoplasmic	1	0	OUT: 0	
252						
	0	Unknown	0	0	OUT: 0	
253						
	0	Cytoplasmic	0	0	OUT: 0	
250						
	0	Unknown	0	0	OUT: 3	
251						
	0	Cytoplasmic	0	0	OUT: 0	
248						
	0	Unknown	1	0	OUT: 1	
249						
	0	Unknown	0	2	IN: 3	
246						
	27	Cytoplasmic	6	0	OUT: 1	
247						

	0	Cytoplasmic	0	0	OUT: 0	
244						
	0	Unknown	0	0	OUT: 0	
245						
	0	Unknown	0	0	OUT: 0	
242						
	0	Cytoplasmic	0	0	OUT: 0	
243						
	0	Cytoplasmic	0	0	OUT: 0	
240						
	0	CytoplasmicMembrane	1	0	OUT: 4	
241						
	0	Unknown	0	0	OUT: 0	
275						
	0	Unknown	0	0	IN: 1	
274						
	0	Unknown	1	0	OUT: 0	
273						
	0	Unknown	0	0	OUT: 0	
272						

	0	Cytoplasmic	15	0	OUT: 0	
279						
	0	Cytoplasmic	1	0	OUT: 0	
278						
	0	Unknown	0	0	OUT: 1	
277						
	0	Unknown	0	0	OUT: 0	
276						
	0	Unknown	7	0	OUT: 0	
283						
	8	Cytoplasmic	7	0	OUT: 0	
282						
	0	Cytoplasmic	15	0	OUT: 2	
281						
	0	CytoplasmicMem brane	0	0	OUT: 7	
280						
	0	Unknown	0	0	OUT: 0	
287						
	0	CytoplasmicMem brane	0	3	IN: 12	

286						
	0	Unknown	1	0	OUT: 0	
285						
	0	Extracellular	1	69	OUT: 0	
284						
	0	Unknown	1	0	OUT: 1	
258						
	0	CytoplasmicMem brane	1	0	IN: 1	
259						
	34	Cytoplasmic	0	0	OUT: 0	
256						
	0	Cytoplasmic	0	0	OUT: 0	
257						
	0	Unknown	0	0	OUT: 0	
262						
	0	CytoplasmicMem brane	0	0	OUT: 12	
263						
	0	Cytoplasmic	0	0	IN: 0	
260						

	0	Cytoplasmic	0	0	OUT: 0	
261						
	0	Cytoplasmic	6	8	IN: 1	
266						
	0	Cytoplasmic	0	3	IN: 1	
267						
	0	Cytoplasmic	1	0	OUT: 0	
264						
	0	CytoplasmicMembrane	0	0	IN: 3	
265						
	0	OuterMembrane	0	15	OUT: 0	
270						
	0	Cytoplasmic	0	0	OUT: 0	
271						
	0	Cytoplasmic	12	3	OUT: 0	
268						
	13	Cytoplasmic	21	0	OUT: 0	
269						
	0	Cytoplasmic	13	1	OUT: 0	
305						

	0	CytoplasmicMem brane	0	0	IN: 4	
304						
	0	Cytoplasmic	0	4	IN: 0	
307						
	0	Periplasmic	0	0	IN: 1	
306						
	0	Cytoplasmic	1	0	OUT: 0	
309						
	0	CytoplasmicMem brane	3	0	OUT: 0	
308						
	0	Unknown	1	0	OUT: 0	
311						
	0	Cytoplasmic	0	0	OUT: 0	
310						
	5	Cytoplasmic	7	0	OUT: 0	
313						
	10	Cytoplasmic	22	0	OUT: 0	
312						
	0	Cytoplasmic	21	0	OUT: 3	

315						
	0	Cytoplasmic	0	0	OUT: 0	
314						
	0	Cytoplasmic	0	0	OUT: 0	
317						
	0	Unknown	1	0	IN: 1	
316						
	0	CytoplasmicMem brane	0	0	IN: 4	
319						
	0	Cytoplasmic	0	6	OUT: 0	
318						
	0	Cytoplasmic	1	0	OUT: 0	
288						
	0	Cytoplasmic	0	0	OUT: 0	
289						
	0	CytoplasmicMem brane	3	0	IN: 10	
290						
	0	Cytoplasmic	0	0	OUT: 0	
291						

	0	Unknown	1	0	OUT: 1	
292						
	0	Unknown	0	3	OUT: 3	
293						
	0	Cytoplasmic	0	0	OUT: 0	
294						
	0	Cytoplasmic	0	0	OUT: 0	
295						
	0	CytoplasmicMembrane	1	0	OUT: 11	
296						
	0	Unknown	0	0	OUT: 2	
297						
	0	Cytoplasmic	0	0	OUT: 0	
298						
	0	Cytoplasmic	0	18	OUT: 0	
299						
	0	CytoplasmicMembrane	0	0	IN: 7	
300						
	0	Cytoplasmic	1	0	IN: 1	

301						
	0	Unknown	0	0	OUT: 0	
302						
	0	Cytoplasmic	1	0	OUT: 0	
303						
	0	Cytoplasmic	26	0	IN: 0	
343						
	0	Unknown	0	0	OUT: 0	
342						
	0	Unknown	0	0	OUT: 0	
341						
	0	Cytoplasmic	1	0	OUT: 0	
340						
	0	Cytoplasmic	3	0	OUT: 0	
339						
	0	Cytoplasmic	25	0	OUT: 0	
338						
	0	CytoplasmicMem brane	0	0	OUT: 0	
337						
	0	CytoplasmicMem	0	0	IN: 1	

		brane				
336						
	0	Cytoplasmic	0	0	OUT: 0	
351						
	0	Cytoplasmic	1	0	OUT: 0	
350						
	0	Unknown	0	0	OUT: 0	
349						
	0	CytoplasmicMem brane	1	0	IN: 12	
348						
	0	Unknown	0	0	OUT: 1	
347						
	0	Periplasmic	0	0	IN: 1	
346						
	0	Cytoplasmic	6	155	IN: 0	
345						
	0	CytoplasmicMem brane	0	0	IN: 4	
344						
	0	Cytoplasmic	17	0	OUT: 0	



















326						
	0	Unknown	0	0	IN: 5	
327						
	0	Cytoplasmic	27	0	OUT: 0	
324						
	0	Cytoplasmic	0	0	OUT: 0	
325						
	0	Cytoplasmic	1	0	OUT: 0	
322						
	0	Cytoplasmic	0	0	OUT: 1	
323						
	0	Unknown	0	0	IN: 1	
320						
	0	Cytoplasmic	0	16	OUT: 0	
321						
	0	CytoplasmicMem brane	0	0	OUT: 13	
334						
	0	Unknown	0	0	OUT: 0	
335						
	0	Cytoplasmic	13	3	OUT: 0	

332						
	0	Cytoplasmic	16	1	IN: 0	
333						
	10	Cytoplasmic	18	0	OUT: 0	
330						
	0	Unknown	0	0	OUT: 0	
331						
	0	Extracellular	0	0	OUT: 0	
328						
	0	Cytoplasmic	0	0	OUT: 0	
329						
	0	Cytoplasmic	0	0	OUT: 0	
373						
	0	Cytoplasmic	3	0	IN: 0	
372						
	0	Unknown	0	0	OUT: 0	
375						
	0	Cytoplasmic	27	0	IN: 2	
374						
	0	Cytoplasmic	9	0	OUT: 0	

369						
	0	Cytoplasmic	1	1	IN: 1	
368						
	0	Cytoplasmic	0	0	OUT: 0	
371						
	0	Unknown	0	0	OUT: 0	
370						
	0	Cytoplasmic	1	0	OUT: 0	
381						
	0	Unknown	1	6	IN: 0	
380						
	0	CytoplasmicMem brane	0	0	OUT: 0	
383						
	0	CytoplasmicMem brane	1	2	OUT: 7	
382						
	5	Cytoplasmic	4	0	OUT: 0	
377						
	0	Unknown	0	0	IN: 1	
376						

	0	Cytoplasmic	1	0	IN: 0	
379						
	0	CytoplasmicMembrane	1	0	IN: 5	
378						
	0	Cytoplasmic	2	102	OUT: 0	
356						
	0	Cytoplasmic	0	9	OUT: 0	
357						
	0	Cytoplasmic	1	0	OUT: 0	
358						
	0	Unknown	0	15	OUT: 0	
359						
	0	Cytoplasmic	0	0	OUT: 0	
352						
	0	CytoplasmicMembrane	1	0	OUT: 1	
353						
	0	CytoplasmicMembrane	2	1	OUT: 0	
354						

	0	Unknown	0	0	IN: 5	
355						
	0	Cytoplasmic	8	0	OUT: 0	
364						
	0	Cytoplasmic	1	0	IN: 1	
365						
	0	Cytoplasmic	1	0	OUT: 2	
366						
	0	Unknown	0	0	OUT: 0	
367						
	0	Cytoplasmic	17	0	OUT: 0	
360						
	0	Cytoplasmic	0	0	OUT: 0	
361						
	0	Unknown	0	0	OUT: 0	
362						
	11	Cytoplasmic	34	0	OUT: 0	
363						
	0	Cytoplasmic	0	0	IN: 1	
410						

	171	CytoplasmicMem brane	22	0	IN: 3	
411						
	0	Cytoplasmic	0	0	IN: 1	
408						
	0	Unknown	0	0	IN: 1	
409						
	0	Cytoplasmic	0	0	OUT: 0	
414						
	0	Cytoplasmic	0	0	IN: 1	
415						
	0	CytoplasmicMem brane	0	5	IN: 2	
412						
	23	Cytoplasmic	25	0	OUT: 0	
413						
	0	Cytoplasmic	0	0	OUT: 0	
402						
	0	Unknown	0	0	OUT: 0	
403						
	0	CytoplasmicMem	0	0	OUT: 7	

		brane				
400						
	0	Cytoplasmic	12	4	OUT: 0	
401						
	0	Cytoplasmic	0	0	OUT: 0	
406						
	0	CytoplasmicMembrane	0	0	OUT: 0	
407						
	0	Unknown	0	0	OUT: 0	
404						
	0	Unknown	0	0	OUT: 2	
405						
	0	Unknown	1	0	OUT: 0	
395						
	0	Periplasmic	0	0	OUT: 2	
394						
	0	Cytoplasmic	0	0	OUT: 0	
393						
	0	Unknown	0	1	OUT: 0	
392						

	0	Cytoplasmic	0	0	OUT: 2	
399						
	0	Cytoplasmic	0	0	IN: 1	
398						
	0	Cytoplasmic	0	0	OUT: 0	
397						
	0	Unknown	0	0	OUT: 0	
396						
	0	OuterMembrane	1	0	IN: 1	
387						
	0	Cytoplasmic	0	0	OUT: 0	
386						
	0	Cytoplasmic	1	0	OUT: 0	
385						
	0	CytoplasmicMembrane	0	0	OUT: 13	
384						
	11	Cytoplasmic	1	0	OUT: 0	
391						
	0	CytoplasmicMembrane	2	1	IN: 5	

390						
	0	Cytoplasmic	0	0	OUT: 0	
389						
	0	CytoplasmicMembrane	0	0	IN: 2	
388						
	0	Cytoplasmic	1	0	OUT: 2	
440						
	0	Unknown	0	3	IN: 1	
441						
	14	CytoplasmicMembrane	1	0	IN: 13	
442						
	0	Cytoplasmic	0	0	OUT: 0	
443						
	0	Cytoplasmic	28	81	OUT: 0	
444						
	1	Cytoplasmic	26	0	OUT: 0	
445						
	0	CytoplasmicMembrane	0	0	OUT: 11	

446	0	Cytoplasmic	0	0	IN: 1	
447						
	0	Cytoplasmic	6	0	OUT: 0	
432						
	0	Unknown	0	0	OUT: 1	
433						
	4	Cytoplasmic	2	0	OUT: 0	
434						
	0	Unknown	0	0	OUT: 0	
435						
	0	Unknown	0	0	IN: 1	
436						
	0	Cytoplasmic	0	0	OUT: 0	
437						
	250	CytoplasmicMem brane	7	0	OUT: 18	
438						
	0	Cytoplasmic	5	0	OUT: 0	
439						
	0	Unknown	0	0	OUT: 0	
425						

	0	Cytoplasmic	17	24	OUT: 0	
424						
	0	Cytoplasmic	0	0	OUT: 0	
427						
	0	Cytoplasmic	0	0	IN: 0	
426						
	0	Extracellular	0	4	OUT: 0	
429						
	0	Unknown	0	0	OUT: 0	
428						
	0	Unknown	1	0	OUT: 0	
431						
	0	Cytoplasmic	2	0	OUT: 0	
430						
	0	Cytoplasmic	0	0	OUT: 0	
417						
	0	Cytoplasmic	1	0	OUT: 0	
416						
	0	Cytoplasmic	0	0	OUT: 0	
419						

	0	OuterMembrane	1	0	OUT: 0	
418						
	0	Unknown	1	0	OUT: 0	
421						
	0	Unknown	1	0	OUT: 0	
420						
	0	Cytoplasmic	0	0	IN: 1	
423						
	0	Cytoplasmic	0	0	OUT: 0	
422						
	0	Cytoplasmic	4	0	OUT: 0	
478						
	0	CytoplasmicMembrane	0	0	IN: 2	
479						
	0	Cytoplasmic	0	0	OUT: 0	
476						
	0	Cytoplasmic	0	0	OUT: 0	
477						
	0	Cytoplasmic	0	0	IN: 1	
474						

	0	Cytoplasmic	2	0	OUT: 0	
475						
	0	CytoplasmicMembrane	0	0	IN: 1	
472						
	0	CytoplasmicMembrane	0	0	OUT: 14	
473						
	0	Cytoplasmic	0	3	OUT: 0	
470						
	0	Unknown	1	0	IN: 3	
471						
	0	Cytoplasmic	0	0	OUT: 2	
468						
	0	Cytoplasmic	0	0	OUT: 1	
469						
	0	Cytoplasmic	1	0	OUT: 1	
466						
	0	OuterMembrane	0	0	OUT: 0	
467						
	0	Unknown	0	0	IN: 3	

464						
	0	CytoplasmicMembrane	0	0	IN: 6	
465						
	0	CytoplasmicMembrane	0	3	IN: 3	
463						
	0	Cytoplasmic	2	0	OUT: 0	
462						
	0	Unknown	0	0	OUT: 0	
461						
	0	CytoplasmicMembrane	1	0	IN: 1	
460						
	0	Unknown	0	0	IN: 3	
459						
	0	CytoplasmicMembrane	20	0	OUT: 10	
458						
	0	Cytoplasmic	24	0	IN: 0	
457						
	0	Unknown	0	0	IN: 1	

456						
	0	Unknown	0	0	OUT: 0	
455						
	16	Cytoplasmic	23	2	IN: 1	
454						
	30	CytoplasmicMembrane	4	0	OUT: 0	
453						
	126	Cytoplasmic	11	1	OUT: 0	
452						
	7	Cytoplasmic	3	0	IN: 1	
451						
	0	Cytoplasmic	0	0	OUT: 0	
450						
	0	Cytoplasmic	0	0	OUT: 0	
449						
	6	Cytoplasmic	24	0	OUT: 0	
448						
	0	Unknown	0	0	OUT: 0	
508						
	0	CytoplasmicMem	14	9	OUT: 0	

		brane				
509						
	0	Cytoplasmic	1	0	IN: 1	
510						
	0	CytoplasmicMem brane	0	0	IN: 7	
511						
	0	Unknown	0	0	OUT: 0	
504						
	0	Cytoplasmic	1	1	OUT: 0	
505						
	69	CytoplasmicMem brane	10	33	IN: 5	
506						
	0	Cytoplasmic	0	0	OUT: 1	
507						
	0	Cytoplasmic	0	4	IN: 1	
500						
	0	Unknown	0	0	OUT: 0	
501						
	0	Unknown	0	0	IN: 1	

502						
	0	CytoplasmicMembrane	1	0	IN: 6	
503						
	0	Cytoplasmic	0	0	OUT: 0	
496						
	0	Cytoplasmic	5	3	OUT: 0	
497						
	0	Unknown	0	0	OUT: 0	
498						
	0	Cytoplasmic	1	1	OUT: 0	
499						
	0	CytoplasmicMembrane	22	13	OUT: 0	
493						
	0	Unknown	1	0	IN: 1	
492						
	0	Cytoplasmic	1	0	IN: 0	
495						
	2	Cytoplasmic	4	0	OUT: 0	
494						

	0	Unknown	0	0	IN: 1	
489						
	0	Cytoplasmic	6	6	OUT: 0	
488						
	0	Cytoplasmic	1	0	OUT: 0	
491						
	0	Cytoplasmic	0	0	IN: 0	
490						
	0	Cytoplasmic	2	0	OUT: 0	
485						
	0	Unknown	0	0	OUT: 0	
484						
	0	Unknown	0	0	IN: 0	
487						
	0	Cytoplasmic	12	0	OUT: 2	
486						
	0	Cytoplasmic	0	4	OUT: 0	
481						
	0	Unknown	0	1	OUT: 0	
480						

	0	Unknown	1	0	OUT: 0	
483						
	0	Cytoplasmic	19	0	OUT: 3	
482						
	0	CytoplasmicMem brane	0	0	OUT: 7	
550						
	0	Cytoplasmic	0	0	OUT: 0	
551						
	0	Unknown	0	0	OUT: 0	
548						
	0	CytoplasmicMem brane	1	0	IN: 10	
549						
	0	Cytoplasmic	25	0	IN: 0	
546						
	0	Unknown	0	0	OUT: 0	
547						
	0	CytoplasmicMem brane	4	21	IN: 6	
544						

	0	CytoplasmicMem brane	0	0	IN: 5	
545						
	0	Unknown	0	0	OUT: 1	
558						
	0	Cytoplasmic	4	0	OUT: 0	
559						
	0	Cytoplasmic	0	0	OUT: 0	
556						
	0	CytoplasmicMem brane	0	0	OUT: 2	
557						
	0	Unknown	0	0	OUT: 3	
554						
	250	CytoplasmicMem brane	5	0	OUT: 8	
555						
	13	Cytoplasmic	2	0	OUT: 0	
552						
	0	Cytoplasmic	0	0	OUT: 0	
553						

	0	Unknown	1	1	OUT: 0	
567						
	0	Unknown	0	0	OUT: 1	
566						
	0	CytoplasmicMembrane	1	0	IN: 12	
565						
	0	Cytoplasmic	2	0	OUT: 0	
564						
	0	Cytoplasmic	0	0	OUT: 0	
563						
	0	Unknown	0	0	IN: 1	
562						
	0	CytoplasmicMembrane	1	16	OUT: 11	
561						
	0	Cytoplasmic	1	0	OUT: 0	
560						
	0	Unknown	1	0	OUT: 0	
575						
	0	Cytoplasmic	0	0	OUT: 1	

574						
	0	CytoplasmicMembrane	1	0	IN: 14	
573						
	0	OuterMembrane	0	15	OUT: 0	
572						
	0	CytoplasmicMembrane	12	0	IN: 12	
571						
	0	Cytoplasmic	2	0	OUT: 0	
570						
	0	Unknown	0	0	IN: 1	
569						
	0	CytoplasmicMembrane	0	0	OUT: 4	
568						
	0	Unknown	0	0	OUT: 0	
516						
	0	Periplasmic	0	0	IN: 2	
517						
	0	Cytoplasmic	0	0	OUT: 0	

518	0	Cytoplasmic	26	0	OUT: 0	
519						
	0	Cytoplasmic	0	0	OUT: 0	
512						
	0	Cytoplasmic	0	0	OUT: 0	
513						
	0	Cytoplasmic	1	0	IN: 0	
514						
	9	Periplasmic	4	8	OUT: 0	
515						
	0	Cytoplasmic	0	0	OUT: 0	
524						
	0	Unknown	0	0	OUT: 0	
525						
	0	Cytoplasmic	1	0	OUT: 0	
526						
	0	Cytoplasmic	0	2	OUT: 0	
527						
	0	CytoplasmicMem brane	17	55	OUT: 0	
520						

	0	CytoplasmicMembrane	1	0	IN: 5	
521						
	0	CytoplasmicMembrane	0	0	IN: 6	
522						
	0	Cytoplasmic	0	0	OUT: 0	
523						
	6	CytoplasmicMembrane	2	0	OUT: 12	
533						
	0	Cytoplasmic	1	14	OUT: 0	
532						
	0	CytoplasmicMembrane	0	0	IN: 1	
535						
	0	OuterMembrane	0	0	IN: 3	
534						
	0	Extracellular	2	3	IN: 1	
529						
	0	Cytoplasmic	0	0	OUT: 0	
528						

	0	Unknown	0	0	IN: 2	
531						
	0	Cytoplasmic	0	0	OUT: 0	
530						
	0	Unknown	0	0	OUT: 0	
541						
	5	Cytoplasmic	8	0	OUT: 2	
540						
	0	Cytoplasmic	0	0	OUT: 2	
543						
	0	Cytoplasmic	12	0	OUT: 0	
542						
	0	Unknown	0	3	IN: 1	
537						
	0	Cytoplasmic	0	0	OUT: 0	
536						
	0	CytoplasmicMem brane	0	0	OUT: 3	
539						
	250	CytoplasmicMem brane	1	0	OUT: 9	

538						
	0	CytoplasmicMembrane	0	0	IN: 2	
610						
	0	Cytoplasmic	1	0	IN: 0	
611						
	0	Cytoplasmic	14	2	IN: 0	
608						
	0	Unknown	1	0	IN: 1	
609						
	0	Cytoplasmic	0	1	OUT: 0	
614						
	0	Unknown	0	0	IN: 1	
615						
	0	CytoplasmicMembrane	1	0	OUT: 0	
612						
	0	Unknown	0	0	IN: 0	
613						
	0	Cytoplasmic	0	0	OUT: 0	
618						

	0	Cytoplasmic	7	4	OUT: 0	
619						
	0	Unknown	0	0	IN: 1	
616						
	0	CytoplasmicMem brane	0	0	IN: 12	
617						
	0	Cytoplasmic	1	0	OUT: 0	
622						
	0	Cytoplasmic	0	2	OUT: 0	
623						
	0	CytoplasmicMem brane	14	0	OUT: 0	
620						
	0	Cytoplasmic	0	0	OUT: 0	
621						
	0	CytoplasmicMem brane	1	0	IN: 5	
627						
	0	CytoplasmicMem brane	1	0	IN: 5	
626						

	0	CytoplasmicMem brane	2	0	OUT: 0	
625						
	0	Unknown	0	0	IN: 1	
624						
	7	Cytoplasmic	12	0	OUT: 0	
631						
	0	Cytoplasmic	1	0	OUT: 0	
630						
	0	Cytoplasmic	0	0	OUT: 0	
629						
	0	CytoplasmicMem brane	0	0	IN: 2	
628						
	0	Cytoplasmic	0	0	OUT: 0	
635						
	0	OuterMembrane	1	0	OUT: 0	
634						
	0	Unknown	0	0	IN: 0	
633						
	0	CytoplasmicMem	0	0	OUT: 3	

		brane				
632						
	0	Cytoplasmic	0	0	OUT: 0	
639						
	0	Cytoplasmic	0	0	OUT: 0	
638						
	0	Unknown	0	0	OUT: 0	
637						
	0	Cytoplasmic	1	0	OUT: 0	
636						
	0	Unknown	0	0	OUT: 1	
576						
	0	Cytoplasmic	0	0	OUT: 0	
577						
	0	Cytoplasmic	1	0	OUT: 0	
578						
	0	Unknown	0	3	IN: 1	
579						
	0	Unknown	0	0	OUT: 0	
580						

	0	CytoplasmicMembrane	0	0	IN: 10	
581						
	0	Cytoplasmic	0	0	OUT: 0	
582						
	0	Extracellular	0	14	IN: 1	
583						
	0	Cytoplasmic	1	0	OUT: 0	
584						
	0	Periplasmic	0	3	OUT: 0	
585						
	0	Cytoplasmic	0	0	OUT: 0	
586						
	0	Unknown	2	0	OUT: 1	
587						
	0	Cytoplasmic	0	0	IN: 0	
588						
	0	Cytoplasmic	0	0	OUT: 0	
589						
	10	Cytoplasmic	23	1	OUT: 0	
590						

	0	CytoplasmicMembrane	0	0	OUT: 4	
591						
	0	Unknown	1	0	OUT: 0	
593						
	0	Cytoplasmic	1	0	OUT: 0	
592						
	0	Cytoplasmic	24	0	OUT: 0	
595						
	0	Unknown	1	0	IN: 1	
594						
	0	Unknown	0	0	IN: 0	
597						
	0	Cytoplasmic	1	0	OUT: 0	
596						
	0	Unknown	0	0	IN: 0	
599						
	0	Unknown	96	8	OUT: 0	
598						
	37	Cytoplasmic	1	3	OUT: 1	
601						

	0	Unknown	0	0	OUT: 0	
600						
	0	Unknown	0	0	OUT: 0	
603						
	0	Cytoplasmic	1	0	OUT: 0	
602						
	0	Extracellular	0	2	IN: 1	
605						
	0	Cytoplasmic	1	0	IN: 0	
604						
	0	Unknown	0	0	IN: 1	
607						
	0	Cytoplasmic	1	0	IN: 0	
606						
	0	Unknown	1	0	IN: 0	
687						
	0	Cytoplasmic	0	0	IN: 1	
686						
	0	CytoplasmicMem brane	1	0	IN: 2	
685						

	7	Cytoplasmic	26	0	OUT: 0	
684						
	0	Unknown	0	0	OUT: 0	
683						
	0	Cytoplasmic	0	0	OUT: 0	
682						
	0	Unknown	0	0	IN: 1	
681						
	0	Cytoplasmic	0	0	OUT: 0	
680						
	0	Cytoplasmic	0	0	OUT: 0	
679						
	0	Cytoplasmic	0	0	OUT: 0	
678						
	0	Cytoplasmic	12	0	IN: 0	
677						
	0	Cytoplasmic	4	0	OUT: 2	
676						
	0	Cytoplasmic	0	0	IN: 1	
675						



































	0	Cytoplasmic	0	0	OUT: 1	
674						
	0	Cytoplasmic	4	0	OUT: 0	
673						
	0	Cytoplasmic	0	3	OUT: 0	
672						
	0	CytoplasmicMembrane	0	0	OUT: 6	
702						
	0	Unknown	0	3	OUT: 1	
703						
	0	CytoplasmicMembrane	0	0	IN: 11	
700						
	0	CytoplasmicMembrane	0	3	IN: 2	
701						
	0	Cytoplasmic	1	0	OUT: 0	
698						
	0	Unknown	0	0	OUT: 0	
699						

	0	Cytoplasmic	0	0	OUT: 0	
696						
	2	Cytoplasmic	5	0	IN: 1	
697						
	0	CytoplasmicMembrane	0	18	IN: 7	
694						
	0	Extracellular	0	14	OUT: 0	
695						
	0	Cytoplasmic	2	0	OUT: 0	
692						
	0	Cytoplasmic	3	11	IN: 0	
693						
	0	Unknown	0	0	OUT: 0	
690						
	0	OuterMembrane	0	0	OUT: 0	
691						
	0	Cytoplasmic	0	0	OUT: 0	
688						
	0	CytoplasmicMembrane	44	48	OUT: 0	

689						
	0	Unknown	0	0	OUT: 0	
653						
	0	Cytoplasmic	1	0	OUT: 0	
652						
	8	Cytoplasmic	18	0	OUT: 0	
655						
	0	Unknown	0	0	OUT: 0	
654						
	0	Cytoplasmic	2	0	IN: 0	
649						
	0	CytoplasmicMembrane	0	1	IN: 0	
648						
	0	Cytoplasmic	0	0	IN: 1	
651						
	18	Cytoplasmic	23	3	IN: 0	
650						
	0	OuterMembrane	0	1	OUT: 0	
645						
	0	Cytoplasmic	1	0	OUT: 1	

644						
	0	Cytoplasmic	0	0	IN: 0	
647						
	0	Unknown	0	0	IN: 1	
646						
	0	Cytoplasmic	0	0	OUT: 0	
641						
	0	CytoplasmicMem brane	0	0	OUT: 0	
640						
	0	Cytoplasmic	18	0	OUT: 0	
643						
	0	Cytoplasmic	2	0	OUT: 0	
642						
	0	CytoplasmicMem brane	0	0	IN: 4	
668						
	0	Cytoplasmic	3	0	OUT: 0	
669						
	18	Cytoplasmic	24	0	OUT: 0	
670						

	0	Cytoplasmic	0	0	OUT: 0	
671						
	0	Cytoplasmic	0	0	IN: 1	
664						
	0	Cytoplasmic	0	0	OUT: 0	
665						
	0	Unknown	0	0	OUT: 1	
666						
	0	Cytoplasmic	1	0	OUT: 0	
667						
	0	Unknown	0	0	IN: 1	
660						
	0	Unknown	1	0	IN: 1	
661						
	0	Cytoplasmic	0	0	OUT: 0	
662						
	0	Unknown	0	0	IN: 3	
663						
	0	Cytoplasmic	0	0	OUT: 0	
656						

	0	CytoplasmicMembrane	0	0	IN: 11	
657						
	15	Cytoplasmic	17	0	OUT: 0	
658						
	0	Unknown	0	0	OUT: 0	
659						
	0	Cytoplasmic	0	0	OUT: 0	
747						
	0	Cytoplasmic	6	0	OUT: 0	
746						
	0	Cytoplasmic	0	3	OUT: 0	
745						
	0	Cytoplasmic	1	0	OUT: 0	
744						
	0	Cytoplasmic	0	0	OUT: 0	
751						
	0	OuterMembrane	0	15	IN: 1	
750						
	0	Unknown	0	0	IN: 1	
749						

	0	Cytoplasmic	16	0	OUT: 0	
748						
	0	Unknown	1	0	IN: 0	
739						
	0	Cytoplasmic	7	0	OUT: 0	
738						
	0	Unknown	1	0	IN: 0	
737						
	0	Unknown	1	0	OUT: 0	
736						
	0	Unknown	0	3	IN: 1	
743						
	0	Cytoplasmic	18	0	OUT: 0	
742						
	0	Unknown	0	0	IN: 0	
741						
	0	Unknown	0	10	OUT: 0	
740						
	0	Cytoplasmic	0	3	OUT: 0	
762						





















































	0	Cytoplasmic	0	0	OUT: 0	
763						
	0	Cytoplasmic	1	0	OUT: 0	
760						
	0	Unknown	0	0	OUT: 0	
766						
	0	Unknown	1	0	OUT: 0	
767						
	0	Cytoplasmic	0	0	OUT: 2	
764						
	54	Cytoplasmic	13	0	OUT: 0	
765						
	0	CytoplasmicMem brane	0	1	OUT: 9	
754						
	0	CytoplasmicMem brane	0	6	OUT: 0	
755						
	0	CytoplasmicMem brane	0	18	IN: 4	
752						

	0	Cytoplasmic	12	0	IN: 0	
753						
	0	Cytoplasmic	0	0	OUT: 0	
758						
	0	Cytoplasmic	0	0	OUT: 0	
759						
	0	Unknown	0	0	OUT: 0	
756						
	32	Cytoplasmic	19	0	IN: 1	
757						
	0	CytoplasmicMem brane	2	0	OUT: 7	
713						
	0	Unknown	0	0	IN: 1	
712						
	0	Cytoplasmic	0	2	OUT: 0	
715						
	0	Cytoplasmic	0	0	OUT: 0	
714						
	11	CytoplasmicMem brane	0	0	IN: 15	

717						
	0	Unknown	0	0	OUT: 0	
716						
	0	Cytoplasmic	1	0	OUT: 0	
719						
	0	Unknown	0	0	OUT: 0	
718						
	0	CytoplasmicMem brane	13	4	IN: 3	
705						
	0	Cytoplasmic	0	0	OUT: 0	
704						
	2	Cytoplasmic	25	0	OUT: 0	
707						
	0	Cytoplasmic	0	0	OUT: 0	
706						
	0	CytoplasmicMem brane	2	0	OUT: 3	
709						
	0	Unknown	1	0	OUT: 0	
708						

	0	Cytoplasmic	1	0	OUT: 0	
711						
	0	Unknown	0	0	OUT: 0	
710						
	0	Unknown	1	0	OUT: 0	
728						
	0	Cytoplasmic	17	0	OUT: 0	
729						
	0	Cytoplasmic	1	0	OUT: 0	
730						
	0	Cytoplasmic	17	0	OUT: 0	
731						
	0	Cytoplasmic	0	0	OUT: 0	
732						
	0	Unknown	0	0	IN: 0	
733						
	0	Unknown	0	0	OUT: 0	
734						
	0	Unknown	1	0	OUT: 0	
735						

	0	Unknown	0	0	OUT: 0	
720						
	0	Cytoplasmic	0	0	OUT: 0	
721						
	0	CytoplasmicMembrane	0	0	IN: 6	
722						
	0	Cytoplasmic	0	0	OUT: 0	
723						
	0	Extracellular	0	2	IN: 1	
724						
	24	Cytoplasmic	34	0	IN: 0	
725						
	0	OuterMembrane	0	15	OUT: 0	
726						
	0	Cytoplasmic	0	1	OUT: 0	
727						
	0	CytoplasmicMembrane	0	1	OUT: 2	
821						
	1	Cytoplasmic	7	0	OUT: 0	





























































820						
	0	CytoplasmicMem brane	2	0	OUT: 1	
823						
	0	Cytoplasmic	0	0	IN: 1	
822						
	0	CytoplasmicMem brane	0	0	OUT: 6	
817						
	0	Cytoplasmic	0	0	OUT: 0	
816						
	0	Cytoplasmic	0	0	OUT: 0	
819						
	0	Cytoplasmic	2	0	OUT: 1	
818						
	0	Cytoplasmic	0	0	OUT: 0	
829						
	0	Cytoplasmic	0	0	OUT: 0	
828						
	0	Cytoplasmic	1	0	OUT: 0	
831						

	0	Cytoplasmic	0	0	OUT: 0	
830						
	0	Unknown	0	0	OUT: 2	
825						
	0	OuterMembrane	1	3	IN: 1	
824						
	0	CytoplasmicMembrane	0	0	IN: 7	
827						
	0	Unknown	1	0	IN: 1	
826						
	5	Cytoplasmic	1	0	OUT: 0	
805						
	0	OuterMembrane	0	0	IN: 1	
806						
	1	Cytoplasmic	5	0	OUT: 0	
807						
	3	Cytoplasmic	7	0	OUT: 0	
800						
	0	Cytoplasmic	0	0	OUT: 0	
801						

	0	Unknown	0	0	OUT: 0	
802						
	0	Cytoplasmic	0	0	OUT: 0	
803						
	0	Cytoplasmic	12	0	OUT: 0	
812						
	0	Unknown	0	0	IN: 3	
813						
	0	CytoplasmicMembrane	0	0	IN: 5	
814						
	0	CytoplasmicMembrane	1	0	IN: 3	
815						
	0	Unknown	1	0	OUT: 0	
808						
	2	Cytoplasmic	1	0	OUT: 0	
809						
	0	Cytoplasmic	0	0	OUT: 0	
810						
	0	Cytoplasmic	1	0	OUT: 1	

811						
	0	CytoplasmicMem brane	0	1	OUT: 7	
791						
	0	Cytoplasmic	2	29	IN: 0	
790						
	0	Cytoplasmic	0	0	OUT: 0	
789						
	0	Cytoplasmic	0	0	OUT: 2	
788						
	0	Cytoplasmic	1	0	IN: 1	
787						
	0	Unknown	0	0	OUT: 0	
786						
	0	Cytoplasmic	0	0	OUT: 0	
785						
	0	Cytoplasmic	1	0	OUT: 0	
784						
	0	Cytoplasmic	0	0	OUT: 0	
799						
	0	Unknown	0	0	OUT: 0	

798						
	0	Unknown	0	1	IN: 1	
797						
	0	CytoplasmicMembrane	3	0	OUT: 4	
796						
	0	Unknown	0	0	OUT: 0	
795						
	0	Cytoplasmic	0	0	OUT: 0	
794						
	0	Cytoplasmic	1	0	OUT: 0	
793						
	1	Cytoplasmic	4	0	OUT: 0	
792						
	0	Cytoplasmic	27	2	OUT: 0	
774						
	4	Cytoplasmic	11	3	OUT: 1	
775						
	0	Cytoplasmic	2	1	OUT: 0	
772						
	0	CytoplasmicMem	1	0	IN: 4	

		brane				
773						
	11	Cytoplasmic	27	0	OUT: 1	
770						
	0	Unknown	0	0	IN: 1	
771						
	0	Unknown	0	0	OUT: 2	
768						
	0	CytoplasmicMembrane	0	0	OUT: 4	
769						
	0	Unknown	0	0	OUT: 1	
782						
	0	Cytoplasmic	0	0	OUT: 0	
783						
	0	Cytoplasmic	1	0	OUT: 0	
780						
	0	Unknown	2	0	OUT: 0	
781						
	0	Unknown	1	0	IN: 1	
778						

	0	Cytoplasmic	7	0	OUT: 0	
779						
	0	CytoplasmicMembrane	22	24	OUT: 0	
776						
	0	Cytoplasmic	0	0	OUT: 0	
777						
	0	CytoplasmicMembrane	1	0	IN: 4	
881						
	0	Unknown	1	0	IN: 0	
880						
	0	Cytoplasmic	3	0	OUT: 0	
883						
	0	CytoplasmicMembrane	1	0	IN: 5	
882						
	0	CytoplasmicMembrane	1	0	IN: 1	
885						
	1	Cytoplasmic	0	0	OUT: 0	
884						

	0	Unknown	0	0	OUT: 4	
887						
	0	Cytoplasmic	0	9	OUT: 0	
886						
	0	Cytoplasmic	0	0	OUT: 0	
889						
	0	CytoplasmicMembrane	15	5	OUT: 0	
888						
	0	CytoplasmicMembrane	0	0	IN: 5	
891						
	0	Cytoplasmic	15	0	OUT: 0	
890						
	0	Unknown	1	0	OUT: 0	
893						
	0	Cytoplasmic	4	1	OUT: 0	
892						
	0	Cytoplasmic	16	39	OUT: 1	
895						
	0	Unknown	1	3	OUT: 0	








































894						
	0	Cytoplasmic	0	0	IN: 1	
864						
	1	Cytoplasmic	3	0	OUT: 0	
865						
	0	Cytoplasmic	7	0	OUT: 0	
866						
	0	Cytoplasmic	0	0	OUT: 0	
867						
	0	CytoplasmicMem brane	0	0	IN: 3	
868						
	0	CytoplasmicMem brane	2	2	IN: 6	
869						
	0	Unknown	0	3	OUT: 2	
870						
	0	Cytoplasmic	0	0	IN: 0	
871						
	0	Cytoplasmic	2	0	OUT: 0	
872						

	0	Unknown	1	0	IN: 0	
873						
	0	Cytoplasmic	1	0	OUT: 0	
874						
	0	OuterMembrane	0	0	OUT: 0	
875						
	0	Cytoplasmic	0	4	OUT: 0	
876						
	0	CytoplasmicMembrane	0	3	IN: 12	
877						
	0	Cytoplasmic	0	4	IN: 5	
878						
	0	Cytoplasmic	0	0	OUT: 0	
879						
	0	Unknown	0	0	IN: 1	
851						
	0	Cytoplasmic	0	3	OUT: 0	
850						
	0	Cytoplasmic	5	0	OUT: 0	
849						

	0	Cytoplasmic	4	0	IN: 0	
848						
	0	Cytoplasmic	0	12	OUT: 0	
855						
	0	Cytoplasmic	1	0	OUT: 0	
854						
	0	CytoplasmicMembrane	0	0	IN: 12	
853						
	0	CytoplasmicMembrane	0	0	IN: 1	
852						
	0	Cytoplasmic	0	0	OUT: 0	
859						
	0	Cytoplasmic	1	1	IN: 1	
858						
	11	Cytoplasmic	1	0	IN: 1	
857						
	0	Unknown	0	0	IN: 0	
856						
	0	Cytoplasmic	0	0	OUT: 1	

863						
	0	Cytoplasmic	1	0	OUT: 0	
862						
	0	Cytoplasmic	0	0	IN: 0	
861						
	0	Cytoplasmic	11	0	OUT: 0	
860						
	0	Cytoplasmic	1	0	OUT: 0	
834						
	0	Cytoplasmic	10	0	OUT: 0	
835						
	0	Cytoplasmic	0	2	OUT: 0	
832						
	0	Unknown	0	0	IN: 1	
833						
	0	Unknown	0	0	OUT: 0	
838						
	4	Cytoplasmic	13	0	IN: 3	
839						
	0	Cytoplasmic	22	2	OUT: 0	

836						
	0	Cytoplasmic	0	0	OUT: 0	
837						
	0	Extracellular	1	71	OUT: 0	
842						
	0	Cytoplasmic	2	0	OUT: 0	
843						
	0	CytoplasmicMem brane	0	0	OUT: 1	
840						
	0	Unknown	0	0	OUT: 2	
841						
	0	Cytoplasmic	8	0	OUT: 0	
846						
	0	Cytoplasmic	1	0	OUT: 0	
847						
	0	Cytoplasmic	1	0	OUT: 1	
844						
	0	CytoplasmicMem brane	0	2	IN: 12	
845						

	0	OuterMembrane	0	4	OUT: 2	
956						
	3	Periplasmic	10	1	OUT: 0	
957						
	0	Cytoplasmic	0	0	OUT: 0	
958						
	0	Cytoplasmic	0	0	OUT: 0	
959						
	0	Unknown	0	0	OUT: 0	
952						
	0	Unknown	0	0	IN: 0	
953						
	0	Cytoplasmic	1	0	OUT: 0	
954						
	0	Unknown	0	0	OUT: 1	
955						
	0	Cytoplasmic	0	0	OUT: 0	
948						
	0	Cytoplasmic	0	0	IN: 0	
949						

	0	Unknown	1	0	OUT: 1	
950						
	0	Unknown	0	0	OUT: 0	
951						
	0	Cytoplasmic	0	0	OUT: 0	
944						
	0	Unknown	1	0	IN: 3	
945						
	0	Unknown	0	0	OUT: 0	
946						
	0	Cytoplasmic	1	0	OUT: 0	
947						
	4	CytoplasmicMem brane	4	0	OUT: 1	
941						
	0	CytoplasmicMem brane	0	0	IN: 12	
940						
	0	CytoplasmicMem brane	0	0	IN: 11	
943						

	0	CytoplasmicMem brane	1	0	OUT: 0	
942						
	0	Cytoplasmic	1	0	OUT: 0	
937						
	0	Cytoplasmic	1	0	OUT: 0	
936						
	0	Cytoplasmic	0	0	OUT: 0	
939						
	0	Cytoplasmic	21	0	OUT: 0	
938						
	0	Extracellular	0	0	IN: 1	
933						
	0	Cytoplasmic	0	0	IN: 0	
932						
	0	CytoplasmicMem brane	0	0	OUT: 6	
935						
	0	Cytoplasmic	27	9	IN: 0	
934						
	0	CytoplasmicMem	0	1	OUT: 5	

		brane				
929						
	0	Cytoplasmic	28	0	OUT: 0	
928						
	0	Unknown	0	0	OUT: 0	
931						
	0	Cytoplasmic	1	0	OUT: 1	
930						
	0	Unknown	0	0	OUT: 0	
926						
	0	Cytoplasmic	2	2	OUT: 0	
927						
	0	Unknown	0	0	OUT: 2	
924						
	0	OuterMembrane	0	0	IN: 1	
925						
	0	CytoplasmicMembrane	1	0	OUT: 7	
922						
	0	Cytoplasmic	7	0	IN: 1	
923						

	0	Cytoplasmic	4	1	OUT: 0	
920						
	0	Cytoplasmic	5	2	OUT: 0	
921						
	1	Cytoplasmic	22	2	OUT: 0	
918						
	0	CytoplasmicMem brane	0	0	IN: 12	
919						
	0	CytoplasmicMem brane	1	1	IN: 1	
916						
	0	Cytoplasmic	5	0	OUT: 0	
917						
	0	Cytoplasmic	1	0	OUT: 0	
914						
	0	Cytoplasmic	0	9	OUT: 0	
915						
	0	Cytoplasmic	1	0	IN: 2	
912						
	0	CytoplasmicMem	0	0	OUT: 11	

		brane				
913						
	0	Unknown	0	0	OUT: 1	
911						
	0	OuterMembrane	0	0	OUT: 0	
910						
	0	Periplasmic	0	0	IN: 3	
909						
	0	Cytoplasmic	11	0	IN: 0	
908						
	0	Cytoplasmic	0	0	OUT: 1	
907						
	0	OuterMembrane	1	1	IN: 1	
906						
	0	CytoplasmicMembrane	0	0	OUT: 4	
905						
	0	Unknown	0	0	IN: 1	
904						
	0	CytoplasmicMembrane	1	0	OUT: 0	

903						
	0	Cytoplasmic	1	0	OUT: 0	
902						
	0	Unknown	0	0	IN: 1	
901						
	0	CytoplasmicMembrane	42	0	IN: 0	
900						
	0	Cytoplasmic	5	0	OUT: 0	
899						
	0	CytoplasmicMembrane	0	0	IN: 12	
898						
	0	CytoplasmicMembrane	0	5	OUT: 4	
897						
	0	CytoplasmicMembrane	2	0	IN: 18	
896						
	0	Cytoplasmic	17	0	IN: 0	
1016						
	0	CytoplasmicMem	0	0	IN: 8	

		brane				
1017						
	5	Cytoplasmic	13	0	OUT: 3	
1018						
	0	Cytoplasmic	11	2	OUT: 0	
1019						
	0	Cytoplasmic	0	0	OUT: 0	
1020						
	0	Unknown	0	0	OUT: 0	
1021						
	0	Cytoplasmic	0	0	OUT: 0	
1022						
	0	Cytoplasmic	1	5	IN: 1	
1023						
	0	Cytoplasmic	0	0	IN: 1	
1008						
	0	OuterMembrane	0	0	OUT: 0	
1009						
	15	CytoplasmicMembrane	6	0	OUT: 0	
1010						

	6	Cytoplasmic	1	10	OUT: 0	
1011						
	0	Cytoplasmic	0	0	OUT: 0	
1012						
	0	Cytoplasmic	4	0	OUT: 0	
1013						
	0	CytoplasmicMembrane	0	0	IN: 8	
1014						
	0	Unknown	0	0	OUT: 0	
1015						
	0	CytoplasmicMembrane	0	0	IN: 5	
1001						
	0	Cytoplasmic	0	0	IN: 2	
1000						
	0	OuterMembrane	0	15	OUT: 0	
1003						
	0	Cytoplasmic	0	0	OUT: 0	
1002						
	14	Cytoplasmic	23	0	OUT: 0	

1005						
	0	Unknown	0	0	OUT: 1	
1004						
	0	Cytoplasmic	11	1	IN: 3	
1007						
	0	Cytoplasmic	0	0	OUT: 0	
1006						
	0	Cytoplasmic	4	0	OUT: 0	
993						
	0	Unknown	0	0	OUT: 0	
992						
	0	Cytoplasmic	1	0	OUT: 0	
995						
	0	OuterMembrane	1	1	IN: 1	
994						
	0	Unknown	0	0	OUT: 0	
997						
	0	CytoplasmicMembrane	0	0	IN: 4	
996						
	0	Cytoplasmic	0	0	OUT: 0	

999						
	0	CytoplasmicMem brane	1	0	OUT: 5	
998						
	0	Unknown	0	0	OUT: 0	
986						
	0	Cytoplasmic	0	0	OUT: 0	
987						
	13	CytoplasmicMem brane	5	3	OUT: 0	
984						
	23	Cytoplasmic	2	0	OUT: 0	
985						
	0	CytoplasmicMem brane	1	0	OUT: 1	
990						
	0	Cytoplasmic	0	0	OUT: 0	
991						
	0	Unknown	0	3	OUT: 2	
988						
	0	Cytoplasmic	0	0	OUT: 0	

989	0	Cytoplasmic	4	2	IN: 1	
978						
	0	Unknown	0	9	IN: 1	
979						
	0	Cytoplasmic	0	0	OUT: 2	
976						
	0	OuterMembrane	0	14	OUT: 0	
977						
	0	Cytoplasmic	1	0	OUT: 0	
982						
	0	Extracellular	1	2	OUT: 0	
983						
	0	Cytoplasmic	0	0	OUT: 0	
980						
	0	CytoplasmicMembrane	4	0	OUT: 1	
981						
	0	Unknown	0	0	OUT: 0	
971						
	0	OuterMembrane	0	2	OUT: 0	
970						

	0	Unknown	0	0	IN: 1	
969						
	0	Periplasmic	0	7	OUT: 0	
968						
	0	CytoplasmicMem brane	0	0	IN: 2	
975						
	0	Cytoplasmic	2	0	OUT: 2	
974						
	0	Extracellular	0	14	OUT: 0	
973						
	0	Cytoplasmic	2	0	OUT: 1	
972						
	0	Cytoplasmic	0	0	OUT: 0	
963						
	0	CytoplasmicMem brane	0	3	IN: 1	
962						
	0	Cytoplasmic	2	0	OUT: 0	
961						
	0	CytoplasmicMem	0	4	OUT: 3	

		brane				
960						
	0	CytoplasmicMem brane	0	0	OUT: 5	
967						
	0	CytoplasmicMem brane	0	0	IN: 6	
966						
	0	CytoplasmicMem brane	28	35	OUT: 0	
965						
	0	Cytoplasmic	1	0	IN: 0	
964						
	0	Unknown	0	15	OUT: 0	
1100						
	0	CytoplasmicMem brane	0	0	OUT: 0	
1101						
	30	Cytoplasmic	0	0	OUT: 0	
1102						
	0	Unknown	1	0	OUT: 0	
1103						

	0	Cytoplasmic	0	0	OUT: 0	
1096						
	0	Unknown	1	0	OUT: 2	
1097						
	0	Cytoplasmic	0	0	OUT: 0	
1098						
	0	Unknown	0	0	OUT: 1	
1099						
	0	Cytoplasmic	0	0	OUT: 0	
1092						
	0	Extracellular	0	0	OUT: 0	
1093						
	0	CytoplasmicMem brane	0	0	IN: 3	
1094						
	0	Periplasmic	0	0	OUT: 1	
1095						
	0	Unknown	0	0	OUT: 3	
1088						
	0	CytoplasmicMem brane	0	0	OUT: 0	

1089						
	0	CytoplasmicMem brane	0	0	IN: 5	
1090						
	0	Unknown	0	0	IN: 0	
1091						
	0	Unknown	0	0	OUT: 0	
1117						
	0	Cytoplasmic	14	0	OUT: 0	
1116						
	0	Cytoplasmic	1	2	OUT: 1	
1119						
	0	Cytoplasmic	4	0	OUT: 0	
1118						
	0	Unknown	0	0	OUT: 0	
1113						
	0	Unknown	0	0	OUT: 0	
1112						
	0	CytoplasmicMem brane	2	0	IN: 1	
1115						

	0	Cytoplasmic	1	0	IN: 6	
1114						
	0	Cytoplasmic	0	0	OUT: 2	
1109						
	0	Cytoplasmic	0	0	IN: 1	
1108						
	0	Cytoplasmic	1	0	OUT: 0	
1111						
	0	CytoplasmicMembrane	0	0	OUT: 6	
1110						
	0	CytoplasmicMembrane	0	0	IN: 3	
1105						
	0	Cytoplasmic	0	0	OUT: 0	
1104						
	0	Cytoplasmic	2	0	OUT: 0	
1107						
	43	Cytoplasmic	16	0	OUT: 0	
1106						
	0	Cytoplasmic	1	0	OUT: 0	

1134						
	0	Cytoplasmic	0	0	OUT: 0	
1135						
	0	Cytoplasmic	2	2	OUT: 0	
1132						
	0	Cytoplasmic	0	0	OUT: 0	
1133						
	0	CytoplasmicMem brane	0	0	IN: 2	
1130						
	0	CytoplasmicMem brane	1	0	IN: 4	
1131						
	0	Unknown	0	0	OUT: 0	
1128						
	0	Cytoplasmic	2	0	OUT: 0	
1129						
	0	CytoplasmicMem brane	0	0	IN: 1	
1126						
	0	Unknown	0	0	IN: 0	

1127	0	CytoplasmicMembrane	0	0	OUT: 5	
1124						
	0	CytoplasmicMembrane	0	0	OUT: 3	
1125						
	0	Cytoplasmic	0	0	OUT: 0	
1122						
	0	Unknown	0	0	OUT: 0	
1123						
	0	Cytoplasmic	1	0	IN: 0	
1120						
	0	Unknown	1	0	IN: 0	
1121						
	0	Cytoplasmic	0	0	OUT: 0	
1151						
	0	Cytoplasmic	0	0	OUT: 0	
1150						
	0	Cytoplasmic	1	0	OUT: 0	
1149						
	0	Cytoplasmic	1	0	OUT: 3	

1148						
	0	CytoplasmicMembrane	0	0	IN: 12	
1147						
	0	Cytoplasmic	0	0	OUT: 0	
1146						
	0	CytoplasmicMembrane	11	0	OUT: 0	
1145						
	0	Periplasmic	1	0	IN: 1	
1144						
	0	Cytoplasmic	1	0	IN: 1	
1143						
	0	Cytoplasmic	1	0	IN: 0	
1142						
	0	Cytoplasmic	3	0	IN: 1	
1141						
	0	Unknown	0	3	OUT: 0	
1140						
	0	Unknown	0	0	OUT: 0	
1139						

	0	Cytoplasmic	0	0	OUT: 0	
1138						
	0	Unknown	1	0	OUT: 2	
1137						
	0	Cytoplasmic	4	0	OUT: 0	
1136						
	1	Cytoplasmic	1	0	OUT: 1	
1032						
	0	Cytoplasmic	0	0	OUT: 0	
1033						
	0	CytoplasmicMem brane	0	0	IN: 1	
1034						
	0	Cytoplasmic	0	0	OUT: 1	
1035						
	0	Cytoplasmic	1	2	IN: 1	
1036						
	0	Cytoplasmic	0	0	OUT: 0	
1037						
	0	Cytoplasmic	0	0	OUT: 0	
1038						

	0	Cytoplasmic	25	0	OUT: 1	
1039						
	0	Unknown	0	0	OUT: 0	
1024						
	0	Cytoplasmic	0	2	OUT: 0	
1025						
	0	Cytoplasmic	0	0	OUT: 0	
1026						
	0	Unknown	0	0	OUT: 0	
1027						
	0	CytoplasmicMem brane	0	0	OUT: 2	
1028						
	0	CytoplasmicMem brane	0	0	IN: 1	
1029						
	0	Cytoplasmic	1	0	OUT: 0	
1030						
	0	CytoplasmicMem brane	0	0	OUT: 2	
1031						

	0	Cytoplasmic	10	0	OUT: 1	
1049						
	0	Cytoplasmic	1	0	OUT: 0	
1048						
	0	CytoplasmicMem brane	1	0	IN: 4	
1051						
	0	Cytoplasmic	1	0	IN: 0	
1050						
	0	Cytoplasmic	1	1	OUT: 0	
1053						
	0	CytoplasmicMem brane	0	3	OUT: 0	
1052						
	0	CytoplasmicMem brane	0	4	OUT: 2	
1055						
	0	Cytoplasmic	0	0	OUT: 0	
1054						
	0	Cytoplasmic	0	0	OUT: 0	
1041						





























	0	CytoplasmicMembrane	10	0	OUT: 0	
1040						
	0	Cytoplasmic	1	0	OUT: 0	
1043						
	0	Unknown	0	0	IN: 1	
1042						
	0	Unknown	0	0	OUT: 0	
1045						
	0	Cytoplasmic	0	0	IN: 1	
1044						
	0	Unknown	0	0	OUT: 1	
1047						
	0	CytoplasmicMembrane	0	0	OUT: 3	
1046						
	0	Cytoplasmic	6	23	OUT: 0	
1066						
	0	Unknown	0	0	OUT: 0	
1067						
	0	Cytoplasmic	14	0	OUT: 0	

1064						
	0	Cytoplasmic	0	0	OUT: 0	
1065						
	0	Cytoplasmic	0	4	OUT: 0	
1070						
	0	Cytoplasmic	0	0	IN: 1	
1071						
	0	CytoplasmicMembrane	1	0	OUT: 0	
1068						
	0	Unknown	1	0	OUT: 0	
1069						
	0	Cytoplasmic	0	2	IN: 1	
1058						
	0	Cytoplasmic	5	3	IN: 0	
1059						
	0	Cytoplasmic	13	0	IN: 1	
1056						
	0	Cytoplasmic	0	1	OUT: 0	
1057						
	0	OuterMembrane	0	0	OUT: 0	



















































1062						
	0	Unknown	6	0	OUT: 0	
1063						
	0	Cytoplasmic	1	0	OUT: 0	
1060						
	0	Unknown	0	0	IN: 3	
1061						
	0	Cytoplasmic	25	0	OUT: 0	
1083						
	0	Cytoplasmic	0	0	IN: 0	
1082						
	0	Cytoplasmic	1	0	IN: 1	
1081						
	2	Cytoplasmic	17	0	OUT: 0	
1080						
	0	Cytoplasmic	1	0	OUT: 0	
1087						
	14	Cytoplasmic	13	14	IN: 0	
1086						
	0	Unknown	0	0	OUT: 0	

1085						
	0	CytoplasmicMem brane	0	0	OUT: 6	
1084						
	0	Unknown	0	0	IN: 1	
1075						
	0	Cytoplasmic	7	0	OUT: 0	
1074						
	14	Cytoplasmic	17	2	OUT: 0	
1073						
	0	Unknown	0	0	IN: 0	
1072						
	0	Cytoplasmic	0	0	OUT: 0	
1079						
	0	Cytoplasmic	0	0	OUT: 0	
1078						
	0	Periplasmic	0	0	IN: 1	
1077						
	209	CytoplasmicMem brane	21	0	IN: 2	
1076						

	8	CytoplasmicMem brane	21	1	IN: 4	
1221						
	0	CytoplasmicMem brane	0	0	IN: 6	
1220						
	6	CytoplasmicMem brane	6	3	OUT: 0	
1223						
	0	CytoplasmicMem brane	0	0	OUT: 4	
1222						
	0	Cytoplasmic	14	0	OUT: 0	
1217						
	0	Cytoplasmic	0	0	OUT: 0	
1216						
	0	Extracellular	10	0	IN: 1	
1219						
	0	Cytoplasmic	0	0	OUT: 0	
1218						
	0	Cytoplasmic	0	0	IN: 1	
1229						

	0	CytoplasmicMem brane	0	0	OUT: 0	
1228						
	0	Cytoplasmic	0	0	OUT: 0	
1231						
	0	CytoplasmicMem brane	0	0	OUT: 0	
1230						
	0	Cytoplasmic	0	0	OUT: 2	
1225						
	12	Cytoplasmic	11	0	OUT: 0	
1224						
	0	Cytoplasmic	0	0	OUT: 0	
1227						
	0	Unknown	0	3	IN: 2	
1226						
	0	Unknown	0	0	OUT: 0	
1236						
	0	Unknown	0	0	OUT: 0	
1237						
	0	CytoplasmicMem	0	0	OUT: 0	

		brane				
1238						
	0	Unknown	0	0	OUT: 0	
1239						
	0	Cytoplasmic	1	0	OUT: 0	
1232						
	0	CytoplasmicMembrane	1	0	IN: 10	
1233						
	11	Cytoplasmic	28	0	OUT: 0	
1234						
	0	Cytoplasmic	2	0	OUT: 0	
1235						
	0	Cytoplasmic	0	0	OUT: 0	
1244						
	0	Cytoplasmic	0	0	OUT: 0	
1245						
	0	CytoplasmicMembrane	1	0	IN: 6	
1246						
	0	Cytoplasmic	2	0	OUT: 0	

1247						
	0	Cytoplasmic	0	0	OUT: 0	
1240						
	0	Unknown	0	15	OUT: 2	
1241						
	0	Unknown	0	0	OUT: 0	
1242						
	0	Cytoplasmic	8	0	OUT: 2	
1243						
	0	Unknown	0	0	OUT: 0	
1255						
	0	Cytoplasmic	3	0	OUT: 0	
1254						
	0	Cytoplasmic	3	0	IN: 0	
1253						
	0	Cytoplasmic	0	0	IN: 0	
1252						
	0	Unknown	0	0	IN: 1	
1251						
	0	Cytoplasmic	20	0	IN: 0	

1250						
	0	CytoplasmicMem brane	0	5	OUT: 5	
1249						
	0	Cytoplasmic	12	0	IN: 0	
1248						
	0	Unknown	0	0	OUT: 0	
1263						
	0	CytoplasmicMem brane	0	0	IN: 8	
1262						
	0	Cytoplasmic	0	0	OUT: 0	
1261						
	0	Cytoplasmic	0	0	IN: 1	
1260						
	10	Cytoplasmic	1	0	OUT: 3	
1259						
	0	Cytoplasmic	8	0	OUT: 0	
1258						
	0	Cytoplasmic	1	0	OUT: 2	
1257						

	0	Cytoplasmic	25	0	OUT: 0	
1256						
	0	Unknown	0	0	IN: 1	
1270						
	0	Unknown	0	0	OUT: 2	
1271						
	0	Cytoplasmic	0	0	OUT: 0	
1268						
	5	Cytoplasmic	20	0	OUT: 1	
1269						
	0	CytoplasmicMembrane	9	13	OUT: 5	
1266						
	0	Cytoplasmic	3	0	OUT: 0	
1267						
	0	Cytoplasmic	7	0	OUT: 0	
1264						
	0	Cytoplasmic	0	0	OUT: 0	
1265						
	0	Cytoplasmic	1	0	OUT: 0	
1278						

	0	Unknown	0	0	OUT: 1	
1279						
	0	CytoplasmicMem brane	0	0	OUT: 2	
1276						
	0	CytoplasmicMem brane	0	0	OUT: 0	
1277						
	0	Cytoplasmic	0	0	OUT: 0	
1274						
	0	Cytoplasmic	7	2	OUT: 1	
1275						
	0	Cytoplasmic	0	0	OUT: 0	
1272						
	0	CytoplasmicMem brane	0	0	OUT: 0	
1273						
	0	Unknown	5	0	OUT: 1	
1153						
	0	Cytoplasmic	2	0	OUT: 0	
1152						

	25	Cytoplasmic	28	0	OUT: 0	
1155						
	0	Cytoplasmic	1	0	OUT: 0	
1154						
	0	Unknown	1	0	OUT: 0	
1157						
	0	Cytoplasmic	0	0	OUT: 0	
1156						
	0	CytoplasmicMembrane	0	0	OUT: 6	
1159						
	0	Cytoplasmic	0	3	IN: 1	
1158						
	0	Cytoplasmic	1	0	OUT: 0	
1161						
	0	Cytoplasmic	17	0	OUT: 0	
1160						
	0	CytoplasmicMembrane	2	1	IN: 9	
1163						
	0	Cytoplasmic	0	0	OUT: 0	

1162						
	0	Cytoplasmic	2	2	OUT: 0	
1165						
	0	Unknown	1	0	OUT: 0	
1164						
	0	CytoplasmicMembrane	0	5	IN: 3	
1167						
	10	Cytoplasmic	3	0	OUT: 0	
1166						
	0	Cytoplasmic	1	0	IN: 0	
1168						
	0	CytoplasmicMembrane	0	0	OUT: 6	
1169						
	2	Cytoplasmic	18	17	OUT: 0	
1170						
	0	Cytoplasmic	0	0	IN: 1	
1171						
	7	Cytoplasmic	3	0	OUT: 0	
1172						

	0	Cytoplasmic	19	0	OUT: 2	
1173						
	0	CytoplasmicMembrane	1	1	OUT: 2	
1174						
	0	Unknown	0	0	IN: 1	
1175						
	22	Extracellular	8	0	IN: 0	
1176						
	23	Unknown	6	2	OUT: 0	
1177						
	3	Cytoplasmic	7	0	OUT: 0	
1178						
	0	Unknown	1	0	OUT: 0	
1179						
	0	CytoplasmicMembrane	0	0	IN: 2	
1180						
	0	Unknown	0	3	IN: 3	
1181						
	0	Unknown	0	0	IN: 0	

1182						
	0	Unknown	0	0	OUT: 0	
1183						
	0	Cytoplasmic	0	1	OUT: 1	
1187						
	0	Unknown	3	0	OUT: 2	
1186						
	0	Cytoplasmic	22	0	OUT: 1	
1185						
	0	Cytoplasmic	2	0	OUT: 0	
1184						
	0	OuterMembrane	1	1	OUT: 0	
1191						
	0	Cytoplasmic	0	0	OUT: 0	
1190						
	0	Unknown	0	0	OUT: 0	
1189						
	0	Unknown	1	0	IN: 1	
1188						
	0	Cytoplasmic	8	0	OUT: 1	

1195						
	0	Cytoplasmic	0	0	OUT: 0	
1194						
	0	Cytoplasmic	1	0	OUT: 0	
1193						
	0	Cytoplasmic	17	0	OUT: 0	
1192						
	0	Unknown	0	0	OUT: 0	
1199						
	0	Cytoplasmic	0	0	OUT: 0	
1198						
	0	CytoplasmicMembrane	0	0	OUT: 4	
1197						
	0	Cytoplasmic	8	0	OUT: 0	
1196						
	0	Cytoplasmic	1	0	IN: 0	
1202						
	0	OuterMembrane	0	0	IN: 1	
1203						
	0	CytoplasmicMem	2	0	OUT: 7	

		brane				
1200						
	0	Cytoplasmic	0	0	OUT: 0	
1201						
	0	Cytoplasmic	0	0	IN: 1	
1206						
	0	Cytoplasmic	0	1	IN: 0	
1207						
	0	Cytoplasmic	0	0	OUT: 0	
1204						
	0	Extracellular	1	0	OUT: 0	
1205						
	0	Unknown	0	0	IN: 1	
1210						
	0	Unknown	0	0	OUT: 1	
1211						
	0	Cytoplasmic	0	3	IN: 3	
1208						
	0	OuterMembrane	0	4	OUT: 0	
1209						

	0	CytoplasmicMem brane	1	1	OUT: 7	
1214						
	0	Cytoplasmic	2	0	IN: 3	
1215						
	0	CytoplasmicMem brane	0	0	OUT: 11	
1212						
	0	Unknown	0	0	OUT: 0	
1213						
	0	CytoplasmicMem brane	0	0	OUT: 2	
1375						
	0	Unknown	1	0	OUT: 0	
1374						
	0	Unknown	1	0	OUT: 0	
1373						
	0	Unknown	0	0	OUT: 0	
1372						
	0	CytoplasmicMem brane	0	0	IN: 6	
1371						

	0	Cytoplasmic	0	0	OUT: 0	
1370						
	0	Cytoplasmic	25	0	IN: 0	
1369						
	0	Cytoplasmic	0	0	OUT: 0	
1368						
	0	Unknown	0	0	OUT: 0	
1367						
	0	Unknown	0	0	IN: 1	
1366						
	0	Cytoplasmic	0	0	IN: 0	
1365						
	0	Cytoplasmic	0	0	OUT: 0	
1364						
	0	Cytoplasmic	8	0	OUT: 1	
1363						
	0	Cytoplasmic	0	0	OUT: 0	
1362						
	0	Unknown	0	0	IN: 1	
1361						

	0	CytoplasmicMembrane	0	0	OUT: 7	
1360						
	0	Cytoplasmic	0	0	OUT: 0	
1358						
	0	Cytoplasmic	12	4	OUT: 0	
1359						
	0	OuterMembrane	1	3	IN: 1	
1356						
	0	Cytoplasmic	1	4	OUT: 0	
1357						
	0	Cytoplasmic	11	0	OUT: 0	
1354						
	0	OuterMembrane	1	0	IN: 1	
1355						
	0	Unknown	0	0	OUT: 0	
1352						
	0	Unknown	0	0	IN: 1	
1353						
	13	Cytoplasmic	0	0	OUT: 0	
1350						

	0	CytoplasmicMem brane	1	0	OUT: 6	
1351						
	0	Cytoplasmic	17	0	OUT: 2	
1348						
	0	CytoplasmicMem brane	1	0	IN: 2	
1349						
	0	Cytoplasmic	4	0	OUT: 0	
1346						
	0	CytoplasmicMem brane	0	0	IN: 5	
1347						
	0	CytoplasmicMem brane	1	0	IN: 4	
1344						
	0	Unknown	1	0	OUT: 0	
1345						
	0	Unknown	0	0	OUT: 0	
1405						
	0	CytoplasmicMem brane	0	0	OUT: 8	

1404	0	Cytoplasmic	25	0	IN: 0	
1407						
	0	Cytoplasmic	0	0	OUT: 0	
1406						
	8	Cytoplasmic	0	0	IN: 1	
1401						
	0	CytoplasmicMembrane	0	3	OUT: 0	
1400						
	0	Cytoplasmic	1	0	OUT: 0	
1403						
	0	Cytoplasmic	1	0	OUT: 0	
1402						
	0	Cytoplasmic	0	0	OUT: 0	
1397						
	35	Cytoplasmic	1	0	OUT: 0	
1396						
	0	CytoplasmicMembrane	25	9	OUT: 0	
1399						
	0	Cytoplasmic	1	0	OUT: 0	

1398						
	0	Unknown	0	0	OUT: 0	
1393						
	0	Unknown	0	15	OUT: 0	
1392						
	0	Cytoplasmic	0	0	OUT: 0	
1395						
	4	Cytoplasmic	6	1	OUT: 0	
1394						
	0	Cytoplasmic	1	0	OUT: 0	
1388						
	0	Cytoplasmic	0	0	OUT: 0	
1389						
	0	Cytoplasmic	24	0	IN: 1	
1390						
	0	Cytoplasmic	26	0	OUT: 0	
1391						
	0	Cytoplasmic	0	0	OUT: 1	
1384						
	0	Unknown	1	0	OUT: 0	

1385						
	0	Cytoplasmic	0	0	IN: 0	
1386						
	0	OuterMembrane	1	0	OUT: 0	
1387						
	0	Cytoplasmic	17	0	IN: 1	
1380						
	0	CytoplasmicMembrane	0	0	OUT: 2	
1381						
	0	Cytoplasmic	11	0	OUT: 0	
1382						
	0	Unknown	0	0	OUT: 2	
1383						
	0	CytoplasmicMembrane	0	0	IN: 4	
1376						
	0	CytoplasmicMembrane	1	0	OUT: 11	
1377						
	0	CytoplasmicMembrane	0	0	OUT: 3	



















































1378						
	0	Unknown	0	15	OUT: 2	
1379						
	0	CytoplasmicMembrane	1	6	IN: 1	
1307						
	0	Cytoplasmic	0	0	IN: 0	
1306						
	0	Unknown	0	0	IN: 0	
1305						
	0	Cytoplasmic	0	7	IN: 1	
1304						
	0	Cytoplasmic	0	0	OUT: 2	
1311						
	0	Cytoplasmic	0	0	OUT: 1	
1310						
	0	Unknown	0	0	OUT: 0	
1309						
	0	CytoplasmicMembrane	1	0	IN: 1	
1308						

	0	Cytoplasmic	0	0	OUT: 0	
1299						
	0	CytoplasmicMembrane	0	7	OUT: 0	
1298						
	0	Cytoplasmic	0	0	OUT: 0	
1297						
	0	Cytoplasmic	4	0	IN: 1	
1296						
	0	Cytoplasmic	19	0	OUT: 1	
1303						
	0	Unknown	0	0	OUT: 2	
1302						
	0	Unknown	0	0	OUT: 0	
1301						
	0	OuterMembrane	1	0	OUT: 2	
1300						
	0	Cytoplasmic	1	0	IN: 1	
1290						
	0	Cytoplasmic	0	0	OUT: 2	
1291						

	0	Cytoplasmic	3	0	IN: 1	
1288						
	0	CytoplasmicMembrane	0	0	OUT: 4	
1289						
	0	Unknown	0	0	OUT: 0	
1294						
	0	Unknown	1	0	OUT: 0	
1295						
	17	Cytoplasmic	5	0	IN: 1	
1292						
	0	Unknown	0	0	OUT: 2	
1293						
	0	Unknown	0	0	IN: 1	
1282						
	0	Cytoplasmic	0	1	OUT: 0	
1283						
	0	CytoplasmicMembrane	0	5	IN: 2	
1280						
	0	Cytoplasmic	1	0	OUT: 0	

1281						
	0	Cytoplasmic	0	0	OUT: 0	
1286						
	0	Unknown	0	0	IN: 2	
1287						
	0	Cytoplasmic	0	0	OUT: 0	
1284						
	0	Cytoplasmic	0	0	OUT: 0	
1285						
	0	Cytoplasmic	0	0	OUT: 0	
1337						
	0	Unknown	1	0	OUT: 0	
1336						
	0	Cytoplasmic	6	0	OUT: 0	
1339						
	0	CytoplasmicMem brane	0	0	IN: 12	
1338						
	0	Extracellular	0	4	OUT: 0	
1341						
	0	CytoplasmicMem	0	0	OUT: 5	

		brane				
1340						
	0	Cytoplasmic	0	2	OUT: 0	
1343						
	0	CytoplasmicMem brane	0	0	IN: 1	
1342						
	0	Unknown	0	0	OUT: 0	
1329						
	0	CytoplasmicMem brane	0	0	OUT: 5	
1328						
	0	Unknown	0	0	OUT: 0	
1331						
	0	Cytoplasmic	3	0	OUT: 0	
1330						
	97	Cytoplasmic	25	6	IN: 0	
1333						
	0	Cytoplasmic	1	0	IN: 0	
1332						
	0	Unknown	0	0	OUT: 0	

1335						
	0	Cytoplasmic	0	0	OUT: 0	
1334						
	0	Unknown	0	0	OUT: 0	
1320						
	0	CytoplasmicMem brane	0	0	OUT: 0	
1321						
	0	CytoplasmicMem brane	1	0	OUT: 4	
1322						
	0	Cytoplasmic	14	3	OUT: 0	
1323						
	0	Cytoplasmic	0	0	IN: 1	
1324						
	39	Cytoplasmic	25	1	OUT: 0	
1325						
	0	Cytoplasmic	3	0	OUT: 0	
1326						
	0	Unknown	0	0	IN: 1	
1327						

	0	Cytoplasmic	1	0	OUT: 0	
1312						
	0	Cytoplasmic	0	0	OUT: 0	
1313						
	0	Unknown	0	0	OUT: 0	
1314						
	0	Cytoplasmic	0	0	OUT: 0	
1315						
	0	Cytoplasmic	27	0	OUT: 1	
1316						
	0	CytoplasmicMembrane	0	0	IN: 2	
1317						
	0	Unknown	1	0	IN: 1	
1318						
	0	Cytoplasmic	0	0	OUT: 0	
1319						
	22	Cytoplasmic	0	5	OUT: 0	
1494						
	0	Cytoplasmic	10	0	OUT: 0	
1495						

	0	Cytoplasmic	2	0	OUT: 0	
1492						
	0	Cytoplasmic	1	0	OUT: 0	
1493						
	0	Cytoplasmic	0	0	OUT: 0	
1490						
	0	Cytoplasmic	0	0	OUT: 0	
1491						
	10	Cytoplasmic	24	0	OUT: 0	
1488						
	0	Cytoplasmic	1	0	IN: 2	
1489						
	0	CytoplasmicMem brane	0	0	IN: 1	
1502						
	0	Cytoplasmic	16	0	OUT: 1	
1503						
	0	Cytoplasmic	0	0	OUT: 0	
1500						
	0	CytoplasmicMem brane	0	0	OUT: 1	

1501						
	0	Unknown	0	0	IN: 0	
1498						
	0	Cytoplasmic	2	0	IN: 0	
1499						
	0	Unknown	1	0	OUT: 0	
1496						
	0	Cytoplasmic	3	0	OUT: 1	
1497						
	8	Cytoplasmic	25	0	OUT: 0	
1479						
	0	Cytoplasmic	5	0	OUT: 0	
1478						
	0	CytoplasmicMem brane	1	1	OUT: 1	
1477						
	0	Cytoplasmic	0	0	OUT: 0	
1476						
	0	Cytoplasmic	0	0	OUT: 1	
1475						
	0	Cytoplasmic	0	0	OUT: 0	

1474						
	0	Unknown	0	0	OUT: 0	
1473						
	0	Unknown	1	3	OUT: 1	
1472						
	0	Unknown	0	0	IN: 0	
1487						
	0	Cytoplasmic	0	0	OUT: 0	
1486						
	0	CytoplasmicMembrane	0	0	IN: 2	
1485						
	0	Cytoplasmic	0	0	OUT: 2	
1484						
	0	OuterMembrane	0	3	OUT: 0	
1483						
	0	CytoplasmicMembrane	0	0	IN: 2	
1482						
	0	CytoplasmicMembrane	3	19	IN: 1	

1481	0	Cytoplasmic	2	0	OUT: 0	
1480						
	0	CytoplasmicMembrane	2	2	OUT: 3	
1524						
	0	Unknown	0	0	OUT: 0	
1525						
	0	Cytoplasmic	2	0	OUT: 2	
1526						
	0	Cytoplasmic	0	0	OUT: 0	
1527						
	0	Cytoplasmic	0	0	OUT: 0	
1520						
	0	Unknown	0	0	OUT: 0	
1521						
	0	Cytoplasmic	1	0	OUT: 0	
1522						
	0	CytoplasmicMembrane	1	0	OUT: 1	
1523						
	0	Unknown	0	0	OUT: 0	

1532						
	0	Unknown	0	3	OUT: 0	
1533						
	0	Unknown	0	0	OUT: 0	
1534						
	0	CytoplasmicMembrane	1	0	OUT: 1	
1535						
	0	Extracellular	0	22	OUT: 0	
1528						
	0	Cytoplasmic	0	0	OUT: 0	
1529						
	0	Cytoplasmic	0	3	OUT: 0	
1530						
	3	Cytoplasmic	17	0	OUT: 0	
1531						
	0	Unknown	0	0	OUT: 2	
1509						
	0	Unknown	1	0	IN: 0	
1508						
	0	CytoplasmicMem	1	0	OUT: 8	

		brane				
1511						
	0	CytoplasmicMem brane	0	0	IN: 12	
1510						
	0	CytoplasmicMem brane	1	0	IN: 5	
1505						
	0	Cytoplasmic	0	0	OUT: 0	
1504						
	0	CytoplasmicMem brane	0	0	OUT: 4	
1507						
	0	Unknown	0	0	OUT: 0	
1506						
	0	Unknown	0	0	IN: 0	
1517						
	0	Unknown	1	0	OUT: 0	
1516						
	0	Cytoplasmic	0	0	OUT: 0	
1519						

	0	Unknown	0	0	OUT: 1	
1518						
	0	Cytoplasmic	1	0	OUT: 0	
1513						
	4	Cytoplasmic	10	0	OUT: 0	
1512						
	13	Cytoplasmic	14	0	IN: 0	
1515						
	0	Unknown	0	0	IN: 1	
1514						
	4	Cytoplasmic	2	0	OUT: 0	
1426						
	21	Cytoplasmic	17	0	OUT: 0	
1427						
	0	Unknown	1	0	IN: 0	
1424						
	0	Cytoplasmic	0	0	OUT: 0	
1425						
	0	Cytoplasmic	0	0	OUT: 0	
1430						

	0	Unknown	0	0	IN: 0	
1431						
	0	Cytoplasmic	0	0	OUT: 0	
1428						
	0	Unknown	0	3	OUT: 1	
1429						
	0	Cytoplasmic	0	0	OUT: 0	
1434						
	0	CytoplasmicMembrane	0	4	OUT: 6	
1435						
	6	Cytoplasmic	4	1	OUT: 0	
1432						
	0	Cytoplasmic	0	0	OUT: 0	
1433						
	0	Unknown	0	0	IN: 1	
1438						
	0	Cytoplasmic	0	0	OUT: 0	
1439						
	0	Cytoplasmic	0	0	OUT: 0	
1436						

	0	CytoplasmicMem brane	1	0	OUT: 3	
1437						
	0	Unknown	0	0	OUT: 0	
1411						
	0	CytoplasmicMem brane	0	0	IN: 5	
1410						
	0	Unknown	0	0	IN: 1	
1409						
	0	Cytoplasmic	0	0	OUT: 0	
1408						
	0	Cytoplasmic	1	0	OUT: 0	
1415						
	0	Cytoplasmic	1	0	OUT: 0	
1414						
	0	CytoplasmicMem brane	0	0	IN: 3	
1413						
	0	CytoplasmicMem brane	2	2	OUT: 3	
1412						

	0	Cytoplasmic	0	0	IN: 0	
1419						
	0	Cytoplasmic	5	0	IN: 0	
1418						
	0	CytoplasmicMem brane	1	3	IN: 3	
1417						
	0	Cytoplasmic	0	0	OUT: 2	
1416						
	0	Unknown	0	0	OUT: 0	
1423						
	0	Unknown	0	0	IN: 1	
1422						
	2	Cytoplasmic	13	1	OUT: 0	
1421						
	0	Cytoplasmic	0	0	OUT: 0	
1420						
	0	Cytoplasmic	0	0	IN: 0	
1456						
	0	CytoplasmicMem brane	0	0	IN: 10	

1457						
	0	Cytoplasmic	1	0	IN: 0	
1458						
	0	Cytoplasmic	1	0	OUT: 0	
1459						
	0	Unknown	0	0	IN: 1	
1460						
	0	Cytoplasmic	0	3	OUT: 0	
1461						
	0	Unknown	0	0	OUT: 0	
1462						
	0	Cytoplasmic	1	0	OUT: 0	
1463						
	0	Unknown	0	0	OUT: 0	
1464						
	0	Cytoplasmic	0	5	IN: 0	
1465						
	0	CytoplasmicMem brane	1	0	IN: 8	
1466						
	0	CytoplasmicMem	0	0	IN: 2	

		brane				
1467						
	0	OuterMembrane	0	15	IN: 1	
1468						
	0	Cytoplasmic	0	0	OUT: 2	
1469						
	0	Cytoplasmic	0	0	OUT: 1	
1470						
	0	Cytoplasmic	17	0	OUT: 0	
1471						
	0	Unknown	0	0	OUT: 0	
1441						
	0	CytoplasmicMembrane	1	0	IN: 9	
1440						
	10	Cytoplasmic	9	0	OUT: 0	
1443						
	0	Cytoplasmic	0	0	OUT: 0	
1442						
	0	CytoplasmicMembrane	1	0	OUT: 6	

1445						
	0	Unknown	0	0	OUT: 0	
1444						
	0	Cytoplasmic	9	0	OUT: 3	
1447						
	0	Unknown	0	0	IN: 1	
1446						
	0	Cytoplasmic	1	0	OUT: 0	
1449						
	0	Cytoplasmic	40	0	OUT: 0	
1448						
	0	CytoplasmicMem brane	0	0	OUT: 0	
1451						
	0	Unknown	0	0	IN: 0	
1450						
	0	Unknown	0	0	OUT: 0	
1453						
	0	Cytoplasmic	2	0	OUT: 0	
1452						
	0	Cytoplasmic	0	0	IN: 0	

1455						
	0	Cytoplasmic	0	0	IN: 0	
1454						
	0	Unknown	0	0	IN: 1	
1576						
	0	Unknown	0	0	OUT: 1	
1574						
	0	CytoplasmicMem brane	1	0	IN: 3	
1575						
	0	Unknown	17	0	OUT: 1	
1572						
	0	Cytoplasmic	0	0	OUT: 0	
1573						
	32	Cytoplasmic	24	0	OUT: 0	
1570						
	16	CytoplasmicMem brane	16	113	OUT: 0	
1571						
	0	Cytoplasmic	0	0	OUT: 0	
1568						

	0	Unknown	0	0	IN: 1	
1569						
	0	CytoplasmicMembrane	0	0	IN: 1	
1548						
	0	Cytoplasmic	1	0	IN: 0	
1549						
	0	Unknown	0	0	OUT: 0	
1550						
	0	Unknown	0	0	IN: 1	
1551						
	0	Unknown	8	0	OUT: 0	
1544						
	0	Unknown	0	0	OUT: 1	
1545						
	0	Cytoplasmic	2	0	OUT: 0	
1546						
	0	Cytoplasmic	0	0	OUT: 0	
1547						
	0	Cytoplasmic	1	0	IN: 1	
1540						

	0	Cytoplasmic	1	0	OUT: 0	
1541						
	0	Unknown	0	0	OUT: 0	
1542						
	0	Cytoplasmic	0	0	IN: 2	
1543						
	0	Unknown	1	0	OUT: 1	
1536						
	0	Cytoplasmic	20	0	OUT: 0	
1537						
	0	Cytoplasmic	0	0	OUT: 0	
1538						
	0	Cytoplasmic	2	0	OUT: 0	
1539						
	1	Cytoplasmic	2	0	OUT: 0	
1565						
	0	Unknown	0	0	IN: 0	
1564						
	0	Unknown	0	0	OUT: 0	
1567						

	0	Cytoplasmic	0	0	OUT: 0	
1566						
	0	Unknown	0	0	OUT: 0	
1561						
	0	Cytoplasmic	0	0	OUT: 0	
1560						
	0	Cytoplasmic	0	0	OUT: 0	
1563						
	0	CytoplasmicMem brane	1	0	IN: 3	
1562						
	0	CytoplasmicMem brane	0	1	OUT: 4	
1557						
	0	Unknown	1	0	OUT: 1	
1556						
	0	Cytoplasmic	1	0	OUT: 0	
1559						
	0	CytoplasmicMem brane	0	0	IN: 9	
1558						

	0	Unknown	0	0	OUT: 0	
1553						
	0	Cytoplasmic	0	0	OUT: 0	
1552						
	0	Cytoplasmic	0	8	OUT: 0	
1555						
	0	CytoplasmicMembrane	1	0	OUT: 18	
1554						
	0	Unknown	0	0	OUT: 0	
1576	1452	65	667	267	1254	1273

[Prioritized Proteins: 10](#)

Epitope Analysis

Seq. Id	B Cell Epitope	T Cell Epitope	Location	Log Score	Score	MHC-I Allele Count	MHC-II Allele Count
3	WLDGVYDINENNGIKAYYQY	YDINENNGI	278	3.69	40.0	7	5
	PFVSPFQFILDARYNWRKTT	FVSPFQFIL	704	4.4	81.27	24	5
		FQFILDARY	708	4.61	100.0	18	5
		FILDARYNW	710	172.72	172.72	4	8
	VLTYFNYQRSFVPPQLDVLS	VLTYFNYQR	568	-1.83	0.02	21	4
		YQRSFVPPQ	574	0.88	2.4	3	31

		LTYFNYQRS	569	2.58	13.2	3	1
		YFNYQRSFV	571	119.6	119.6	12	10
	PSFIKSLGNLLYNTYVRSG	FIKSLGNNL	223	0.74	2.1	40	6
		IKSLGNLL	224	6.21	500.0	20	15
	DYSGQVNLGYSGITAPKSWQ	YSGQVNLGY	44	1.32	3.75	50	3
		YSGITAPKS	52	147.09	147.09	5	6
	SYGGAEYFTQHFDVEAGAR	FDTVEAGAR	598	149.26	149.26	6	2
	EAGARYTYKDKFSFNADYFR	YTYKDKFSF	607	0.41	1.5	63	20
		YKDKFSFNA	609	4.46	86.8	35	4
	GSRTVISNKALTQQANQSIE	LTQQANQSI	81	1.93	6.92	40	1
	APKSWQDEEVKKYTGSRVI	WQDEEVKKY	61	1.32	3.75	72	1
		VKKYTGSR	66	4.61	100.0	9	3
	GGMINKHVGIQAQANWVRGQ	IQAQANWVR	249	-1.43	0.02	66	1
		INKHVGIQA	243	113.39	113.39	11	4
	FGDLKVGGTFSFTYYGQLM	VGGTFSFTY	343	-0.47	0.5	84	4
		FSFTYYGQL	347	1.78	5.91	216	2
	NSPSNISNYWLDGVYDINEN	YWLDGVYDI	272	106.1	106.1	130	13
	PLTDLNGDVLKGTSYNKHFP	VLKGTSYNK	692	-0.22	0.03	56	1
	PPDKTGDPSTFIKSLGNLLY	FIKSLGNNL	223	0.74	2.1	150	6
		IKSLGNLL	224	6.21	500.0	60	15
	WNIQVSQIFWENGRHRVTGS	WNIQVSQIF	785	0.69	2.0	128	20
		IFWENGRHR	792	1.1	3.0	16	2