

Immersion Stability of Tartaric-Sulfuric Acid Anodized Aluminum Alloys

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Supplementary Materials:

Figure S1. Data of pore area from ImageJ (25-min anodizing and 45-min anodizing).

45-min anodizing	Pore area nm ²	25-min anodizing	Pore area nm ²
1	57.892	1	315.327
2	160.681	2	126.609
3	281.191	3	267.551
4	340.265	4	182.747
5	151.229	5	367.882
6	185.491	6	286.661
7	303.639	7	130.192
8	301.276	8	229.329
9	99.244	9	373.854
10	64.981	10	167.219
11	111.059	11	197.08
12	204.395	12	139.747
13	70.888	13	68.082
14	46.078	14	68.082
15	346.172	15	266.356
16	134.688	16	59.721
17	239.839	17	230.523
18	53.166	18	96.748
19	193.762	19	63.304
20	218.573	20	345.188
21	89.792	21	126.609
22	366.257	22	209.024
23	23.629	23	95.554
24	122.873	24	186.33
25	159.499	25	121.831
26	20.085	26	115.859
27	198.488	27	80.026
28	277.647	28	57.332

29	115.784	29	58.527
30	218.573	30	106.304
31	347.353	31	268.745
32	62.618	32	163.636
33	282.372	33	140.942
34	81.522	34	267.551
35	353.261	35	273.523
36	129.962	36	261.578
37	120.51	37	74.054
38	49.622	38	142.136
39	49.622	39	193.496
40	126.418	40	228.135
41	245.747	41	118.248
42	80.34	42	105.109
43	203.214	43	90.776
44	25.992	44	137.359
45	89.792	45	88.387
46	99.244	46	90.776
47	132.325	47	64.499
48	73.251	48	155.275
49	60.255	49	111.081
50	269.376	50	52.555
51	53.166	51	171.997
52	250.473	52	144.525
53	72.07	53	156.469
54	67.344	54	112.276
55	25.992	55	66.888
56	75.614	56	412.076
57	94.518	57	102.72
58	20.085	58	175.58
59	258.743	59	80.026
60	254.017	60	197.08
61	183.129	61	139.747
62	163.043	62	83.61
63	21.267	63	293.828
64	215.028	64	66.888
65	77.977	65	53.749
66	107.514	66	82.415
67	20.085	67	123.025
68	496.219	68	74.054
69	115.784	69	113.47
70	216.21	70	75.249
71	44.896	71	152.886
72	256.38	72	101.526
73	180.766	73	130.192
74	41.352	74	115.859
75	35.444	75	75.249

76	33.081	76	83.61
77	158.318	77	157.664
78	171.314	78	300.994
79	392.25	79	130.192
80	439.509	80	78.832
81	129.962	81	273.523
82	356.805	82	187.524
83	167.769	83	66.888
84	219.754	84	145.719
85	115.784	85	64.499
86	205.577	86	236.496
87	103.97	87	58.527
88	79.159	88	154.08
89	626.181	89	273.523
90	284.735	90	263.967
91	210.302	91	140.942
92	79.159	92	222.163
93	30.718	93	243.662
94	179.584	94	170.802
95	73.251	95	57.332
96	771.503	96	192.302
97	102.788	97	66.888
98	98.062	98	132.581
99	255.198	99	52.555
100	242.202	100	114.665
101	70.888	101	125.414
102	310.728	102	142.136
103	237.476	103	224.551
104	522.212	104	171.997
105	29.537	105	151.692
106	144.14	106	157.664
107	237.476	107	71.665
108	210.302	108	125.414
109	261.106	109	179.163
110	139.414	110	210.218
111	313.091	111	174.386
112	386.342	112	279.495
113	120.51	113	187.524
114	127.599	114	166.025
115	269.376	115	151.692
116	792.769	116	291.439
117	70.888	117	83.61
118	99.244	118	142.136
119	79.159	119	183.941
120	151.229	120	97.943
121	178.403	121	132.581
122	92.155	122	63.304

123	83.885	123	211.413
124	151.229	124	102.72
125	28.355	125	90.776
126	197.306	126	136.164
127	304.82	127	206.635
128	232.75	128	174.386
129	73.251	129	223.357
130	47.259	130	87.193
131	191.399	131	198.274
132	959.357	132	65.693
133	38.989	133	121.831
134	198.488	134	94.359
135	161.862	135	236.496
136	134.688	136	65.693
137	257.561	137	131.386
138	46.078	138	75.249
139	459.594	139	80.026
140	203.214	140	96.748
141	298.913	141	367.882
142	502.127	142	126.609
143	31.9	143	93.165
144	25.992	144	146.914
145	373.346	145	139.747
146	262.287	146	51.36
147	342.628	147	205.441
148	177.221	148	189.913
149	57.892	149	118.248
150	43.715	150	144.525
151	112.24	151	242.468
152	92.155	152	200.663
153	186.673	153	205.441
154	111.059	154	75.249
155	57.892	155	426.409
156	463.138	156	72.86
157	109.877	157	53.749
158	75.614	158	90.776
159	121.692	159	96.748
160	31.9	160	185.135
161	30.718	161	76.443
162	180.766	162	101.526
163	127.599	163	300.994
164	171.314	164	181.552
165	773.866	165	185.135
166	96.881	166	320.105
167	224.48	167	51.36
168	157.136	168	157.664
169	218.573	169	60.916

170	411.153	170	414.464
171	570.652	171	62.11
172	109.877	172	603.183
173	81.522	173	69.276
174	109.877	174	96.748
175	160.681	175	156.469
176	250.473	176	310.55
177	314.272	177	293.828
178	160.681	178	219.774
179	89.792	179	168.414
180	107.514	180	240.079
181	199.669	181	88.387
182	141.777	182	345.188
183	101.607	183	295.022
184	196.125	184	275.911
185	75.614	185	69.276
186	105.151	186	474.186
187	268.195	187	311.744
188	306.002	188	59.721
189	303.639	189	105.109
190	219.754	190	291.439
191	56.711	191	50.166
192	28.355	192	64.499
193	75.614	193	113.47
194	101.607	194	137.359
195	35.444	195	95.554
196	46.078	196	654.543
197	80.34	197	617.516
198	53.166	198	181.552
199	176.04	199	388.187
200	81.522	200	660.515
201	210.302	201	74.054
202	242.202	202	157.664
203	131.144	203	78.832
204	83.885	204	168.414
205	21.267	205	140.942
206	31.9	206	82.415
207	57.892	207	505.241
208	100.425	208	154.08
209	152.41	209	97.943
210	427.694	210	229.329
211	307.183	211	255.606
212	67.344	212	78.832
213	113.422	213	65.693
214	35.444	214	361.91
215	81.522	215	134.97
216	31.9	216	167.219

217	128.781	217	59.721
218	211.484	218	357.132
219	196.125	219	226.94
220	237.476	220	434.77
221	127.599	221	75.249
222	128.781	222	103.915
223	190.217	223	260.384
224	68.526	224	300.994
225	20.085	225	296.217
226	254.017	226	83.61
227	60.255	227	231.718
228	194.943	228	176.774
229	43.715	229	96.748
230	191.399	230	154.08
231	124.055	231	506.435
232	119.329	232	83.61
233	33.081	233	58.527
234	183.129	234	145.719
235	75.614	235	85.998
236	477.316	236	220.968
237	111.059	237	272.328
238	198.488	238	64.499
239	46.078	239	64.499
240	129.962	240	542.268
241	133.507	241	112.276
242	93.336	242	131.386
243	124.055	243	296.217
244	210.302	244	88.387
245	238.658	245	161.247
246	105.151	246	72.86
247	57.892	247	77.637
248	119.329	248	130.192
249	93.336	249	102.72
250	111.059	250	180.358
251	47.259	251	88.387
252	41.352	252	363.104
253	702.977	253	157.664
254	163.043	254	72.86
255	300.095	255	137.359
256	150.047	256	118.248
257	187.854	257	170.802
258	23.629	258	154.08
259	43.715	259	57.332
260	119.329	260	83.61
261	88.611	261	198.274
262	216.21	262	131.386
263	105.151	263	96.748

264	25.992	264	89.582
265	138.233	265	63.304
266	173.677	266	232.912
267	146.503	267	164.83
268	497.401	268	83.61
269	173.677	269	402.52
270	90.974	270	154.08
271	106.333	271	69.276
272	95.699	272	120.637
273	55.529	273	57.332
274	259.924	274	50.166
275	73.251	275	91.97
276	36.626	276	137.359
277	111.059	277	209.024
278	207.94	278	210.218
279	85.066	279	179.163
280	379.253	280	95.554
281	125.236	281	68.082
282	20.085	282	80.026
283	31.9	283	63.304
284	150.047	284	285.467
285	35.444	285	231.718
286	328.45	286	449.103
287	140.595	287	101.526
288	479.679	288	88.387
289	157.136	289	66.888
290	41.352	290	443.131
291	80.34	291	163.636
292	154.773	292	152.886
293	194.943	293	87.193
294	300.095	294	126.609
295	142.958	295	136.164
296	194.943	296	89.582
297	333.176	297	326.077
298	72.07	298	58.527
299	118.147	299	289.05
300	134.688	300	103.915
301	150.047	301	114.665
302	238.658	302	211.413
303	151.229	303	185.135
304	61.437	304	106.304
305	62.618	305	52.555
306	122.873	306	161.247
307	210.302	307	71.665
308	61.437	308	310.55
309	73.251	309	484.935
310	271.739	310	76.443

311	80.34	311	194.691
312	57.892	312	211.413
313	318.998	313	155.275
314	85.066	314	217.385
315	372.164	315	209.024
316	284.735	316	132.581
317	53.166	317	77.637
318	75.614	318	194.691
319	350.898	319	125.414
320	213.847	320	360.715
321	146.503	321	207.829
322	134.688	322	60.916
323	47.259	323	561.378
324	173.677	324	113.47
325	205.577	325	277.106
326	79.159	326	414.464
327	173.677	327	89.582
328	134.688	328	59.721
329	20.085	329	142.136
330	125.236	330	277.106
331	331.994	331	148.108
332	207.94	332	59.721
333	76.796	333	114.665
334	61.437	334	51.36
335	131.144	335	57.332
336	153.592	336	324.883
337	387.524	337	223.357
338	186.673	338	68.082
339	262.287	339	226.94
340	57.892	340	117.053
341	139.414	341	168.414
342	73.251	342	535.101
343	75.614	343	95.554
344	211.484	344	66.888
345	224.48	345	209.024
346	37.807	346	95.554
347	140.595	347	157.664
348	141.777	348	303.383
349	365.076	349	106.304
350	96.881	350	89.582
351	81.522	351	385.798
352	62.618	352	70.471
353	99.244	353	88.387
354	289.461	354	150.497
355	209.121	355	177.969
356	124.055	356	130.192
357	55.529	357	183.941

358	118.147	358	103.915
359	178.403	359	136.164
360	60.255	360	349.966
361	199.669	361	80.026
362	160.681	362	272.328
363	366.257	363	71.665
364	297.732	364	99.137
365	268.195	365	246.051
366	115.784	366	230.523
367	79.159	367	174.386
368	316.635	368	243.662
369	82.703	369	114.665
370	35.444	370	176.774
371	692.344	371	173.191
372	161.862	372	102.72
373	53.166	373	111.081
374	27.174	374	89.582
375	243.384	375	166.025
376	206.758	376	140.942
377	126.418	377	315.327
378	96.881	378	64.499
379	92.155	379	326.077
380	20.085	380	137.359
381	44.896	381	146.914
382	33.081	382	212.607
383	277.647	383	54.943
384	20.085	384	271.134
385	301.276	385	187.524
386	119.329	386	175.58
387	189.036	387	51.36
388	103.97	388	120.637
389	131.144	389	320.105
390	82.703	390	63.304
391	731.333	391	143.331
392	59.074	392	283.078
393	150.047	393	309.355
394	309.546	394	80.026
395	101.607	395	120.637
396	59.074	396	57.332
397	599.008	397	66.888
398	44.896	398	126.609
399	646.267	399	138.553
400	42.533	400	71.665
401	228.025	401	229.329
402	413.516	402	507.629
403	300.095	403	58.527
404	119.329	404	176.774

405	289.461	405	64.499
406	238.658	406	71.665
407	173.677	407	253.217
408	101.607	408	272.328
409	22.448	409	280.689
410	63.8	410	69.276
411	83.885	411	63.304
412	72.07	412	70.471
413	24.811	413	51.36
414	107.514	414	389.382
415	111.059	415	139.747
416	278.828	416	57.332
417	151.229	417	51.36
418	64.981	418	561.378
419	23.629	419	317.716
420	327.268	420	340.41
421	165.406	421	333.244
422	77.977	422	235.301
423	237.476	423	119.442
424	38.989	424	119.442
425	37.807	425	57.332
426	152.41	426	62.11
427	255.198	427	89.582
428	108.696	428	214.996
429	122.873	429	56.138
430	170.132	430	143.331
431	131.144	431	130.192
432	174.858	432	53.749
433	174.858	433	186.33
434	133.507	434	310.55
435	42.533	435	111.081
436	103.97	436	283.078
437	184.31	437	186.33
438	35.444	438	138.553
439	98.062	439	76.443
440	128.781	440	125.414
441	83.885	441	52.555
442	121.692	442	531.518
443	131.144	443	287.856
444	342.628	444	237.69
445	479.679	445	85.998
446	22.448	446	108.692
447	231.569	447	246.051
448	277.647	448	93.165
449	185.491	449	52.555
450	50.803	450	268.745
451	51.985	451	232.912

452	135.87	452	125.414
453	25.992	453	192.302
454	262.287	454	70.471
455	173.677	455	268.745
456	159.499	456	252.023
457	370.983	457	155.275
458	57.892	458	57.332
459	921.55	459	59.721
460	401.701	460	744.125
461	144.14	461	217.385
462	61.437	462	158.858
463	145.321	463	111.081
464	95.699	464	107.498
465	47.259	465	93.165
466	134.688	466	223.357
467	75.614	467	275.911
468	27.174	468	174.386
469	108.696	469	136.164
470	168.951	470	255.606
471	129.962	471	161.247
472	180.766	472	115.859
473	64.981	473	123.025
474	115.784	474	164.83
475	151.229	475	246.051
476	180.766	476	114.665
477	101.607	477	90.776
478	241.021	478	91.97
479	114.603	479	103.915
480	144.14	480	88.387
481	142.958	481	265.162
482	92.155	482	99.137
483	43.715	483	87.193
484	79.159	484	63.304
485	69.707	485	163.636
486	115.784	486	146.914
487	235.113	487	197.08
488	111.059	488	56.138
489	140.595	489	62.11
490	140.595	490	126.609
491	414.698	491	81.221
492	125.236	492	214.996
493	311.909	493	106.304
494	119.329	494	289.05
495	51.985	495	203.052
496	186.673	496	105.109
497	196.125	497	132.581
498	47.259	498	93.165

499	131.144	499	182.747
500	124.055	500	189.913
501	212.665	501	94.359
502	115.784	502	84.804
503	99.244	503	50.166
504	158.318	504	56.138
505	2320.416	505	145.719
506	111.059	506	91.97
507	74.433	507	95.554
508	83.885	508	85.998
509	125.236	509	59.721
510	254.017	510	166.025
511	165.406	511	157.664
512	67.344	512	125.414
513	152.41	513	102.72
514	255.198	514	114.665
515	80.34	515	68.082
516	56.711	516	66.888
517	212.665	517	114.665
518	99.244	518	71.665
519	113.422	519	50.166
520	28.355	520	194.691
521	69.707	521	95.554
522	140.595	522	94.359
523	307.183	523	88.387
524	56.711	524	57.332
525	51.985	525	284.272
526	285.917	526	252.023
527	48.44	527	103.915
528	291.824	528	308.161
529	144.14	529	145.719
530	518.667	530	166.025
531	112.24	531	57.332
532	87.429	532	137.359
533	257.561	533	352.355
534	111.059	534	156.469
535	75.614	535	53.749
536	127.599	536	62.11
537	20.085	537	177.969
538	342.628	538	60.916
539	82.703	539	94.359
540	55.529	540	169.608
541	33.081	541	124.22
542	85.066	542	185.135
543	28.355	543	69.276
544	246.928	544	63.304
545	77.977	545	90.776

546	76.796	546	624.683
547	51.985	547	51.36
548	139.414	548	189.913
549	138.233	549	280.689
550	127.599	550	75.249
551	199.669	551	102.72
552	105.151	552	158.858
553	128.781	553	69.276
554	31.9	554	99.137
555	133.507	555	191.108
556	173.677	556	154.08
557	42.533	557	207.829
558	191.399	558	216.19
559	262.287	559	68.082
560	268.195	560	62.11
561	44.896	561	52.555
562	154.773	562	205.441
563	191.399	563	174.386
564	79.159	564	94.359
565	222.117	565	106.304
566	40.17	566	124.22
567	64.981	567	53.749
568	196.125	568	953.149
569	251.654	569	175.58
570	112.24	570	105.109
571	252.836	571	82.415
572	242.202	572	63.304
573	289.461	573	84.804
574	178.403	574	101.526
575	160.681	575	175.58
576	23.629	576	174.386
577	470.227	577	142.136
578	46.078	578	243.662
579	124.055	579	63.304
580	41.352	580	76.443
581	33.081	581	164.83
582	51.985	582	97.943
583	111.059	583	72.86
584	23.629	584	205.441
585	176.04	585	64.499
586	54.348	586	195.885
587	219.754	587	58.527
588	59.074	588	94.359
589	90.974	589	130.192
590	363.894	590	78.832
591	23.629	591	148.108
592	185.491	592	278.3

593	48.44	593	151.692
594	246.928	594	101.526
595	82.703	595	130.192
596	51.985	596	125.414
597	108.696	597	268.745
598	285.917	598	89.582
599	51.985	599	69.276
600	233.932	600	168.414
601	349.716	601	324.883
602	114.603	602	88.387
603	96.881	603	57.332
604	22.448	604	224.551
605	124.055	605	81.221
606	108.696	606	228.135
607	38.989	607	62.11
608	51.985	608	50.166
609	184.31	609	170.802
610	168.951	610	54.943
611	630.907	611	152.886
612	122.873	612	290.245
613	352.079	613	425.214
614	146.503	614	189.913
615	21.267	615	132.581
616	183.129	616	197.08
617	133.507	617	50.166
618	20.085	618	358.327
619	400.52	619	259.19
620	128.781	620	84.804
621	163.043	621	133.775
622	205.577	622	84.804
623	297.732	623	145.719
624	159.499	624	199.468
625	302.457	625	203.052
626	77.977	626	89.582
627	315.454	627	95.554
628	107.514	628	124.22
629	54.348	629	133.775
630	99.244	630	182.747
631	124.055	631	158.858
632	46.078	632	124.22
633	404.064	633	188.719
634	99.244	634	58.527
635	77.977	635	59.721
636	51.985	636	63.304
637	50.803	637	76.443
638	723.062	638	82.415
639	49.622	639	71.665

640	99.244	640	57.332
641	90.974	641	65.693
642	199.669	642	500.945
643	189.036	643	56.711
644	213.847	644	47.259
645	193.762	645	42.533
646	96.881	646	151.229
647	174.858	647	212.665
648	138.233	648	56.711
649	21.267	649	132.325
650	57.892	650	80.34
651	37.807	651	141.777
652	62.618	652	33.081
653	107.514	653	56.711
654	588.374	654	89.792
655	146.503	655	42.533
656	347.353	656	51.985
657	131.144	657	47.259
658	37.807	658	47.259
659	135.87	659	42.533
660	207.94	660	141.777
661	93.336	661	203.214
662	28.355	662	23.629
663	166.588	663	37.807
664	646.267	664	75.614
665	35.444	665	122.873
666	336.72	666	66.163
667	33.081	667	656.9
668	216.21	668	61.437
669	256.38	669	56.711
670	151.229	670	23.629
671	131.144	671	23.629
672	33.081	672	463.138
673	434.783	673	382.798
674	183.129	674	293.006
675	33.081	675	23.629
676	35.444	676	23.629
677	126.418	677	89.792
678	25.992	678	42.533
679	64.981	679	61.437
680	495.038	680	127.599
681	120.51	681	28.355
682	101.607	682	94.518
683	95.699	683	99.244
684	135.87	684	103.97
685	582.467	685	75.614
686	131.144	686	37.807

687	121.692	687	146.503
688	125.236	688	47.259
689	164.225	689	132.325
690	83.885	690	203.214
691	165.406	691	80.34
692	133.507	692	61.437
693	99.244	693	37.807
694	80.34	694	37.807
695	99.244	695	42.533
696	628.544	696	42.533
697	153.592	697	184.31
698	372.164	698	1086.957
699	29.537	699	37.807
700	199.669	700	33.081
701	144.14	701	23.629
702	44.896	702	56.711
703	118.147	703	165.406
704	287.098	704	47.259
705	308.365	705	42.533
706	21.267	706	108.696
707	478.497	707	37.807
708	122.873	708	33.081
709	206.758	709	23.629
710	34.263	710	89.792
711	379.253	711	146.503
712	59.074	712	66.163
713	29.537	713	85.066
714	114.603	714	47.259
715	124.055	715	122.873
716	193.762	716	23.629
717	354.442	717	37.807
718	316.635	718	401.701
719	47.259	719	28.355
720	180.766	720	28.355
721	222.117	721	37.807
722	53.166	722	56.711
723	186.673	723	189.036
724	105.151	724	122.873
725	174.858	725	344.991
726	172.495	726	94.518
727	88.611	727	37.807
728	114.603	728	396.975
729	108.696	729	42.533
730	47.259	730	311.909
731	92.155	731	66.163
732	105.151	732	118.147
733	118.147	733	37.807

734	29.537	734	160.681
735	20.085	735	37.807
736	1138.941	736	61.437
737	378.072	737	189.036
738	146.503	738	118.147
739	341.446	739	70.888
740	59.074	740	85.066
741	187.854	741	23.629
742	86.248	742	37.807
743	550.567	743	85.066
744	87.429	744	33.081
745	42.533	745	51.985
746	82.703	746	212.665
747	249.291	747	151.229
748	271.739	748	47.259
749	105.151	749	122.873
750	95.699	750	51.985
751	220.936	751	160.681
752	74.433	752	845.936
753	216.21	753	47.259
754	171.314	754	189.036
755	558.837	755	297.732
756	176.04	756	33.081
757	83.885	757	28.355
758	840.028	758	335.539
759	89.792	759	70.888
760	46.078	760	37.807
761	86.248	761	217.391
762	381.616	762	80.34
763	308.365	763	118.147
764	100.425	764	33.081
765	22.448	765	23.629
766	100.425	766	80.34
767	38.989	767	439.509
768	72.07	768	255.198
769	204.395	769	321.361
770	152.41	770	28.355
771	137.051	771	28.355
772	59.074	772	1460.302
773	64.981	773	70.888
774	24.811	774	415.879
775	215.028	775	51.985
776	163.043	776	160.681
777	38.989	777	56.711
778	206.758	778	37.807
779	181.947	779	85.066
780	105.151	780	411.153

781	38.989	781	155.955
782	1017.25	782	108.696
783	198.488	783	231.569
784	320.18	784	118.147
785	67.344	785	37.807
786	116.966	786	85.066
787	79.159	787	85.066
788	229.206	788	70.888
789	51.985	789	543.478
790	131.144	790	75.614
791	121.692	791	212.665
792	24.811	792	28.355
793	62.618	793	259.924
794	27.174	794	103.97
795	107.514	795	51.985
796	379.253	796	595.463
797	92.155	797	174.858
798	111.059	798	321.361
799	75.614	799	23.629
800	99.244	800	122.873
801	467.864	801	184.31
802	54.348	802	42.533
803	225.662	803	99.244
804	86.248	804	170.132
805	141.777	805	467.864
806	36.626	806	103.97
807	99.244	807	283.554
808	60.255	808	89.792
809	67.344	809	217.391
810	43.715	810	89.792
811	23.629	811	103.97
812	450.142	812	80.34
813	63.8	813	33.081
814	206.758	814	212.665
815	72.07	815	80.34
816	88.611	816	37.807
817	232.75	817	66.163
818	106.333	818	330.813
819	74.433	819	75.614
820	96.881	820	656.9
821	56.711	821	165.406
822	128.781	822	56.711
823	70.888	823	89.792
824	219.754	824	179.584
825	148.866	825	85.066
826	61.437	826	212.665
827	55.529	827	155.955

828	191.399	828	510.397
829	304.82	829	66.163
830	38.989	830	51.985
831	112.24	831	335.539
832	180.766	832	70.888
833	106.333	833	1205.104
834	190.217	834	165.406
835	209.121	835	340.265
836	60.255	836	245.747
837	153.592	837	89.792
838	64.981	838	113.422
839	72.07	839	241.021
840	204.395	840	146.503
841	756.144	841	85.066
842	241.021	842	127.599
843	378.072	843	23.629
844	404.064	844	311.909
845	121.692	845	146.503
846	326.087	846	89.792
847	563.563	847	964.083
848	79.159	848	151.229
849	114.603	849	28.355
850	355.624	850	37.807
851	291.824	851	141.777
852	218.573	852	160.681
853	100.425	853	80.34
854	124.055	854	212.665
855	37.807	855	307.183
856	205.577	856	33.081
857	107.514	857	37.807
858	59.074	858	160.681
859	59.074	859	297.732
860	63.8	860	297.732
861	43.715	861	354.442
862	171.314	862	132.325
863	126.418	863	28.355
864	94.518	864	118.147
865	157.136	865	42.533
866	28.355	866	61.437
867	62.618	867	61.437
868	226.843	868	85.066
869	29.537	869	302.457
870	166.588	870	193.762
871	98.062	871	56.711
872	146.503	872	33.081
873	285.917	873	174.858
874	83.885	874	61.437

875	183.129	875	70.888
876	60.255	876	23.629
877	259.924	877	420.605
878	1396.503	878	37.807
879	184.31	879	33.081
880	142.958	880	141.777
881	148.866	881	47.259
882	163.043	882	66.163
883	254.017	883	37.807
884	238.658	884	89.792
885	132.325	885	85.066
886	191.399	886	174.858
887	109.877	887	113.422
888	69.707	888	344.991
889	35.444	889	42.533
890	43.715	890	70.888
891	41.352	891	23.629
892	24.811	892	198.488
893	189.036	893	37.807
894	379.253	894	203.214
895	134.688	895	203.214
896	66.163	896	47.259
897	96.881	897	51.985
898	145.321	898	80.34
899	236.295	899	66.163
900	157.136	900	51.985
901	34.263	901	37.807
902	139.414	902	259.924
903	194.943	903	122.873
904	213.847	904	85.066
905	314.272	905	51.985
906	187.854	906	33.081
907	154.773	907	80.34
908	85.066	908	293.006
909	112.24	909	184.31
910	49.622	910	307.183
911	186.673	911	132.325
912	368.62	912	189.036
913	177.221	913	23.629
914	93.336	914	189.036
915	33.081	915	28.355
916	140.595	916	122.873
917	151.229	917	47.259
918	116.966	918	132.325
919	170.132	919	37.807
920	316.635	920	42.533
921	236.295	921	113.422

922	98.062	922	23.629
923	206.758	923	108.696
924	127.599	924	33.081
925	495.038	925	61.437
926	220.936	926	47.259
927	76.796	927	108.696
928	66.163	928	401.701
929	22.448	929	70.888
930	183.129	930	37.807
931	363.894	931	85.066
932	35.444	932	56.711
933	225.662	933	141.777
934	74.433	934	51.985
935	125.236	935	141.777
936	522.212	936	70.888
937	284.735	937	628.544
938	94.518	938	23.629
939	295.369	939	203.214
940	69.707	940	47.259
941	20.085	941	141.777
942	54.348	942	75.614
943	112.24	943	165.406
944	62.618	944	146.503
945	113.422	945	42.533
946	413.516	946	141.777
947	155.955	947	56.711
948	197.306	948	66.163
949	174.858	949	269.376
950	160.681	950	56.711
951	25.992	951	28.355
952	306.002	952	359.168
953	28.355	953	42.533
954	31.9	954	23.629
955	114.603	955	23.629
956	248.11	956	189.036
957	33.081	957	51.985
958	141.777	958	37.807
959	28.355	959	170.132
960	36.626	960	37.807
961	239.839	961	170.132
962	93.336	962	75.614
963	463.138	963	146.503
964	109.877	964	42.533
965	47.259	965	103.97
966	133.507	966	33.081
967	50.803	967	47.259
968	101.607	968	179.584

969	233.932	969	132.325
970	186.673	970	42.533
971	155.955	971	207.94
972	205.577	972	37.807
973	150.047	973	179.584
974	144.14	974	28.355
975	116.966	975	103.97
976	139.414	976	85.066
977	22.448	977	56.711
978	125.236	978	28.355
979	43.715	979	264.65
980	46.078	980	137.051
981	87.429	981	70.888
982	215.028	982	51.985
983	147.684	983	89.792
984	79.159	984	23.629
985	124.055	985	94.518
986	134.688	986	28.355
987	46.078	987	47.259
988	31.9	988	37.807
989	497.401	989	47.259
990	383.979	990	37.807
991	138.233	991	302.457
992	154.773	992	47.259
993	183.129	993	37.807
994	213.847	994	75.614
995	92.155	995	23.629
996	131.144	996	189.036
997	119.329	997	56.711
998	76.796	998	99.244
999	28.355	999	37.807
1000	621.456	1000	80.34
1001	28.355	1001	89.792
1002	34.263	1002	23.629
1003	765.595	1003	222.117
1004	114.603	1004	28.355
1005	128.781	1005	42.533
1006	433.601	1006	80.34
1007	48.44	1007	37.807
1008	484.405	1008	222.117
1009	35.444	1009	151.229
1010	179.584	1010	151.229
1011	144.14	1011	80.34
1012	277.647	1012	51.985
1013	73.251	1013	103.97
1014	120.51	1014	33.081
1015	170.132	1015	108.696

1016	90.974	1016	80.34
1017	157.136	1017	203.214
1018	353.261	1018	255.198
1019	51.985	1019	47.259
1020	148.866	1020	94.518
1021	30.718	1021	42.533
1022	830.577	1022	80.34
1023	152.41	1023	231.569
1024	258.743	1024	321.361
1025	549.386	1025	80.34
1026	142.958	1026	66.163
1027	27.174	1027	297.732
1028	203.214	1028	66.163
1029	125.236	1029	66.163
1030	36.626	1030	137.051
1031	200.851	1031	51.985
1032	190.217	1032	80.34
1033	183.129	1033	80.34
1034	191.399	1034	118.147
1035	140.595	1035	28.355
1036	96.881	1036	118.147
1037	101.607	1037	184.31
1038	114.603	1038	99.244
1039	122.873	1039	28.355
1040	515.123	1040	42.533
1041	80.34	1041	23.629
1042	114.603	1042	23.629
1043	31.9	1043	42.533
1044	75.614	1044	89.792
1045	86.248	1045	56.711
1046	62.618	1046	61.437
1047	418.242	1047	51.985
1048	72.07	1048	66.163
1049	38.989	1049	28.355
1050	22.448	1050	23.629
1051	85.066	1051	103.97
1052	28.355	1052	103.97
1053	440.69	1053	66.163
1054	44.896	1054	33.081
1055	21.267	1055	70.888
1056	317.817	1056	51.985
1057	275.284	1057	118.147
1058	94.518	1058	42.533
1059	81.522	1059	108.696
1060	193.762	1060	42.533
1061	64.981	1061	56.711
1062	101.607	1062	23.629

1063	171.314	1063	89.792
1064	211.484	1064	23.629
1065	95.699	1065	28.355
1066	197.306	1066	56.711
1067	204.395	1067	28.355
1068	331.994	1068	165.406
1069	96.881	1069	108.696
1070	327.268	1070	51.985
1071	219.754	1071	47.259
1072	49.622	1072	500.945
1073	267.013	1073	94.518
1074	69.707	1074	56.711
1075	118.147	1075	66.163
1076	22.448	1076	137.051
1077	82.703	1077	28.355
1078	50.803	1078	85.066
1079	251.654	1079	28.355
1080	134.688	1080	94.518
1081	73.251	1081	75.614
1082	40.17	1082	80.34
1083	267.013	1083	70.888
1084	69.707	1084	70.888
1085	167.769	1085	344.991
1086	53.166	1086	85.066
1087	61.437	1087	28.355
1088	116.966	1088	37.807
1089	46.078	1089	23.629
1090	80.34	1090	113.422
1091	111.059	1091	189.036
1092	28.355	1092	94.518
1093	155.955	1093	160.681
1094	79.159	1094	122.873
1095	72.07	1095	28.355
1096	50.803	1096	51.985
1097	69.707	1097	89.792
1098	126.418	1098	23.629
1099	229.206	1099	33.081
1100	89.792	1100	47.259
1101	20.085	1101	23.629
1102	82.703	1102	80.34
1103	135.87	1103	37.807
1104	532.845	1104	66.163
1105	213.847	1105	42.533
1106	40.17	1106	330.813
1107	228.025	1107	344.991
1108	44.896	1108	51.985
1109	164.225	1109	80.34

1110	204.395	1110	23.629
1111	96.881	1111	118.147
1112	121.692	1112	113.422
1113	55.529	1113	47.259
1114	313.091	1114	37.807
1115	55.529	1115	165.406
1116	55.529	1116	184.31
1117	90.974	1117	132.325
1118	190.217	1118	321.361
1119	135.87	1119	42.533
1120	142.958	1120	75.614
1121	106.333	1121	307.183
1122	41.352	1122	56.711
1123	493.856	1123	56.711
1124	254.017	1124	75.614
1125	119.329	1125	170.132
1126	241.021	1126	89.792
1127	24.811	1127	132.325
1128	25.992	1128	42.533
1129	276.465	1129	42.533
1130	132.325	1130	51.985
1131	290.643	1131	118.147
1132	73.251	1132	108.696
1133	30.718	1133	85.066
1134	50.803	1134	85.066
1135	75.614	1135	118.147
1136	224.48	1136	37.807
1137	148.866	1137	85.066
1138	177.221	1138	89.792
1139	138.233	1139	311.909
1140	217.391	1140	66.163
1141	205.577	1141	23.629
1142	98.062	1142	56.711
1143	50.803	1143	288.28
1144	82.703	1144	184.31
1145	113.422	1145	189.036
1146	131.144	1146	28.355
1147	41.352	1147	47.259
1148	33.081	1148	85.066
1149	198.488	1149	103.97
1150	230.388	1150	33.081
1151	37.807	1151	155.955
1152	315.454	1152	141.777
1153	29.537	1153	118.147
1154	125.236	1154	56.711
1155	183.129	1155	155.955
1156	121.692	1156	80.34

1157	49.622	1157	80.34
1158	243.384	1158	118.147
1159	203.214	1159	23.629
1160	51.985	1160	61.437
1161	140.595	1161	37.807
1162	80.34	1162	189.036
1163	24.811	1163	155.955
1164	284.735	1164	51.985
1165	128.781	1165	307.183
1166	107.514	1166	28.355
1167	38.989	1167	80.34
1168	153.592	1168	297.732
1169	95.699	1169	47.259
1170	38.989	1170	33.081
1171	108.696	1171	37.807
1172	98.062	1172	28.355
1173	224.48	1173	28.355
1174	70.888	1174	42.533
1175	310.728	1175	411.153
1176	118.147	1176	85.066
1177	186.673	1177	75.614
1178	63.8	1178	75.614
1179	131.144	1179	66.163
1180	27.174	1180	47.259
1181	276.465	1181	137.051
1182	141.777	1182	165.406
1183	87.429	1183	23.629
1184	144.14	1184	28.355
1185	168.951	1185	406.427
1186	47.259	1186	23.629
1187	200.851	1187	47.259
1188	22.448	1188	28.355
1189	137.051	1189	94.518
1190	186.673	1190	33.081
1191	34.263	1191	103.97
1192	281.191	1192	47.259
1193	192.58	1193	1039.698
1194	125.236	1194	47.259
1195	196.125	1195	85.066
1196	215.028	1196	23.629
1197	171.314	1197	28.355
1198	35.444	1198	108.696
1199	187.854	1199	80.34
1200	51.985	1200	23.629
1201	615.548	1201	127.599
1202	308.365	1202	42.533
1203	144.14	1203	103.97

1204	63.8	1204	42.533
1205	165.406	1205	33.081
1206	35.444	1206	85.066
1207	165.406	1207	75.614
1208	128.781	1208	23.629
1209	211.484	1209	28.355
1210	307.183	1210	118.147
1211	173.677	1211	23.629
1212	40.17	1212	85.066
1213	142.958	1213	85.066
1214	56.711	1214	23.629
1215	102.788	1215	28.355
1216	498.582	1216	108.696
1217	131.144	1217	326.087
1218	86.248	1218	37.807
1219	125.236	1219	132.325
1220	210.302	1220	89.792
1221	42.533	1221	99.244
1222	107.514	1222	42.533
1223	424.149	1223	458.412
1224	60.255	1224	302.457
1225	24.811	1225	33.081
1226	111.059	1226	85.066
1227	93.336	1227	37.807
1228	239.839	1228	250.473
1229	159.499	1229	61.437
1230	152.41	1230	94.518
1231	61.437	1231	61.437
1232	102.788	1232	203.214
1233	27.174	1233	108.696
1234	86.248	1234	89.792
1235	246.928	1235	75.614
1236	172.495	1236	56.711
1237	108.696	1237	56.711
1238	85.066	1238	103.97
1239	99.244	1239	103.97
1240	179.584	1240	56.711
1241	316.635	1241	137.051
1242	176.04	1242	108.696
1243	376.89	1243	75.614
1244	49.622	1244	23.629
1245	63.8	1245	146.503
1246	53.166	1246	37.807
1247	90.974	1247	28.355
1248	126.418	1248	56.711
1249	118.147	1249	56.711
1250	66.163	1250	85.066

1251	95.699	1251	118.147
1252	153.592	1252	42.533
1253	161.862	1253	567.108
1254	217.391	1254	99.244
1255	20.085	1255	33.081
1256	38.989	1256	80.34
1257	249.291	1257	42.533
1258	308.365	1258	189.036
1259	112.24	1259	103.97
1260	76.796	1260	23.629
1261	357.987	1261	132.325
1262	100.425	1262	70.888
1263	102.788	1263	75.614
1264	86.248	1264	99.244
1265	108.696	1265	75.614
1266	425.331	1266	47.259
1267	127.599	1267	127.599
1268	262.287	1268	80.34
1269	85.066	1269	47.259
1270	96.881	1270	118.147
1271	94.518	1271	170.132
1272	77.977	1272	61.437
1273	106.333	1273	80.34
1274	148.866	1274	118.147
1275	192.58	1275	56.711
1276	160.681	1276	189.036
1277	47.259	1277	47.259
1278	42.533	1278	47.259
1279	167.769	1279	23.629
1280	161.862	1280	70.888
1281	75.614	1281	23.629
1282	61.437	1282	70.888
1283	87.429	1283	75.614
1284	33.081	1284	99.244
1285	93.336	1285	28.355
1286	35.444	1286	33.081
1287	246.928	1287	56.711
1288	95.699	1288	51.985
1289	57.892	1289	33.081
1290	34.263	1290	99.244
1291	219.754	1291	118.147
1292	95.699	1292	113.422
1293	132.325	1293	66.163
1294	22.448	1294	66.163
1295	331.994	1295	37.807
1296	289.461	1296	61.437
1297	165.406	1297	28.355

1298	34.263	1298	33.081
1299	70.888	1299	70.888
1300	114.603	1300	28.355
1301	304.82	1301	155.955
1302	167.769	1302	33.081
1303	95.699	1303	28.355
1304	119.329		
1305	189.036		
1306	33.081		
1307	181.947		
1308	51.985		
1309	164.225		
1310	118.147		
1311	40.17		
1312	73.251		
1313	64.981		
1314	142.958		
1315	135.87		
1316	165.406		
1317	207.94		
1318	309.546		
1319	95.699		
1320	244.565		
1321	116.966		
1322	246.928		
1323	98.062		
1324	274.102		
1325	168.951		
1326	145.321		
1327	779.773		
1328	94.518		
1329	181.947		
1330	197.306		
1331	288.28		
1332	459.594		
1333	60.255		
1334	186.673		
1335	50.803		
1336	127.599		
1337	51.985		
1338	155.955		
1339	1011.342		
1340	150.047		
1341	270.558		
1342	151.229		
1343	100.425		
1344	146.503		

1345	301.276
1346	49.622
1347	35.444
1348	138.233
1349	72.07
1350	209.121
1351	89.792
1352	734.877
1353	95.699
1354	29.537
1355	62.618
1356	112.24
1357	28.355
1358	259.924
1359	146.503
1360	192.58
1361	295.369
1362	102.788
1363	200.851
1364	337.902
1365	192.58
1366	51.985
1367	68.526
1368	62.618
1369	40.17
1370	294.187
1371	302.457
1372	131.144
1373	194.943
1374	184.31
1375	225.662
1376	316.635
1377	41.352
1378	137.051
1379	193.762
1380	139.414
1381	233.932
1382	111.059
1383	30.718
1384	37.807
1385	94.518
1386	148.866
1387	106.333
1388	44.896
1389	146.503
1390	131.144
1391	131.144

1392	145.321
1393	105.151
1394	158.318
1395	35.444
1396	192.58
1397	190.217
1398	166.588
1399	215.028
1400	204.395
1401	142.958
1402	114.603
1403	166.588
1404	132.325
1405	129.962
1406	147.684
1407	203.214
1408	83.885
1409	29.537
1410	95.699
1411	297.732
1412	154.773
1413	200.851
1414	168.951
1415	68.526
1416	55.529
1417	24.811
1418	99.244
1419	232.75
1420	37.807
1421	100.425
1422	178.403
1423	154.773
1424	51.985
1425	31.9
1426	42.533
1427	107.514
1428	40.17
1429	129.962
1430	36.626
1431	129.962
1432	376.89
1433	203.214
1434	280.009
1435	522.212
1436	263.469
1437	42.533
1438	311.909

1439	166.588
1440	51.985
1441	144.14
1442	107.514
1443	92.155
1444	237.476
1445	151.229
1446	86.248
1447	158.318
1448	209.121
1449	99.244
1450	212.665
1451	145.321
1452	243.384
1453	66.163
1454	51.985
1455	21.267
1456	287.098
1457	20.085
1458	151.229
1459	25.992
1460	159.499
1461	20.085
1462	361.531
1463	115.784
1464	102.788
1465	47.259
1466	141.777
1467	210.302
1468	21.267
1469	185.491
1470	37.807
1471	36.626
1472	272.921
1473	49.622
1474	68.526
1475	53.166
1476	173.677
1477	95.699
1478	31.9
1479	94.518
1480	38.989
1481	51.985
1482	96.881
1483	76.796
1484	220.936
1485	151.229

1486	186.673
1487	21.267
1488	64.981
1489	246.928
1490	116.966
1491	142.958
1492	121.692
1493	127.599
1494	107.514
1495	168.951
1496	303.639
1497	152.41
1498	148.866
1499	177.221
1500	125.236
1501	102.788
1502	73.251
1503	56.711
1504	108.696
1505	94.518
1506	102.788
1507	60.255
1508	98.062
1509	177.221
1510	131.144
1511	67.344
1512	177.221
1513	69.707
1514	33.081
1515	313.091
1516	108.696
1517	139.414
1518	170.132
1519	67.344
1520	44.896
1521	25.992
1522	59.074
1523	121.692
1524	125.236
1525	128.781
1526	99.244
1527	94.518
1528	48.44
1529	34.263
1530	21.267
1531	33.081
1532	54.348

1533	38.989
1534	373.346
1535	108.696
1536	144.14
1537	236.295
1538	383.979
1539	573.015
1540	54.348
1541	85.066
1542	190.217
1543	324.905
1544	142.958
1545	209.121
1546	107.514
1547	67.344
1548	302.457
1549	101.607
1550	348.535
1551	95.699
1552	129.962
1553	145.321
1554	148.866
1555	82.703
1556	142.958
1557	164.225
1558	125.236
1559	79.159
1560	1656.427
1561	145.321
1562	141.777
1563	788.043
1564	50.803
1565	34.263
1566	103.97
1567	135.87
1568	60.255
1569	587.193
1570	50.803
1571	38.989
1572	25.992
1573	155.955
1574	340.265
1575	88.611
1576	142.958
1577	135.87
1578	48.44
1579	113.422

1580	218.573
1581	237.476
1582	108.696
1583	202.032
1584	133.507
1585	85.066
1586	41.352
1587	35.444
1588	37.807
1589	59.074
1590	251.654
1591	73.251
1592	87.429
1593	101.607
1594	24.811
1595	113.422
1596	112.24
1597	94.518
1598	170.132
1599	139.414
1600	77.977
1601	68.526
1602	102.788
1603	60.255
1604	252.836
1605	23.629
1606	27.174
1607	197.306
1608	74.433
1609	89.792
1610	170.132
1611	258.743
1612	225.662
1613	56.711
1614	684.074
1615	66.163
1616	306.002
1617	27.174
1618	72.07
1619	131.144
1620	189.036
1621	147.684
1622	63.8
1623	257.561
1624	478.497
1625	126.418
1626	177.221

1627	129.962
1628	55.529
1629	295.369
1630	257.561
1631	835.302
1632	23.629
1633	111.059
1634	176.04
1635	280.009
1636	79.159
1637	121.692
1638	92.155
1639	90.974
1640	81.522
1641	113.422
1642	49.622
1643	79.159
1644	157.136
1645	173.677
1646	61.437
1647	94.518
1648	27.174
1649	62.618
1650	72.07
1651	103.97
1652	62.618
1653	177.221
1654	98.062
1655	283.554
1656	145.321
1657	151.229
1658	1012.524
1659	150.047
1660	44.896
1661	315.454
1662	378.072
1663	168.951
1664	30.718
1665	137.051
1666	211.484
1667	68.526
1668	111.059
1669	21.267
1670	77.977
1671	73.251
1672	138.233
1673	430.057

1674	87.429
1675	20.085
1676	161.862
1677	276.465
1678	218.573
1679	172.495
1680	31.9
1681	216.21
1682	61.437
1683	244.565
1684	172.495
1685	59.074
1686	60.255
1687	192.58
1688	322.543
1689	31.9
1690	42.533
1691	288.28
1692	42.533
1693	67.344
1694	330.813
1695	95.699
1696	131.144
1697	126.418
1698	61.437
1699	395.794
1700	61.437
1701	50.803
1702	289.461
1703	20.085
1704	392.25
1705	28.355
1706	33.081
1707	134.688
1708	66.163
1709	537.571
1710	134.688
1711	453.686
1712	753.781
1713	217.391
1714	571.834
1715	42.533
1716	129.962
1717	259.924
1718	452.505
1719	194.943
1720	124.055

1721	82.703
1722	313.091
1723	37.807
1724	90.974
1725	87.429
1726	109.877
1727	789.225
1728	274.102
1729	211.484
1730	613.185
1731	109.877
1732	170.132
1733	69.707
1734	168.951
1735	129.962
1736	54.348
1737	72.07
1738	50.803
1739	83.885
1740	22.448
1741	36.626
1742	310.728
1743	59.074
1744	152.41
1745	140.595
1746	218.573
1747	22.448
1748	35.444
1749	51.985
1750	60.255
1751	140.595
1752	222.117
1753	103.97
1754	151.229
1755	27.174
1756	22.448
1757	76.796
1758	54.348
1759	51.985
1760	146.503
1761	278.828
1762	200.851
1763	48.44
1764	203.214
1765	311.909
1766	451.323
1767	131.144

1768	152.41
1769	20.085
1770	49.622
1771	28.355
1772	144.14
1773	59.074
1774	278.828
1775	151.229
1776	258.743
1777	342.628
1778	87.429
1779	200.851
1780	101.607
1781	63.8
1782	419.423
1783	66.163
1784	49.622
1785	98.062
1786	96.881
1787	135.87
1788	147.684
1789	428.875
1790	92.155
1791	242.202
1792	137.051
1793	108.696
1794	238.658
1795	254.017
1796	60.255
1797	219.754
1798	152.41
1799	205.577
1800	99.244
1801	105.151
1802	164.225
1803	158.318
1804	42.533
1805	474.953
1806	90.974
1807	160.681
1808	120.51
1809	125.236
1810	962.902
1811	161.862
1812	285.917
1813	142.958
1814	93.336

1815	57.892
1816	317.817
1817	225.662
1818	142.958
1819	121.692
1820	138.233
1821	264.65
1822	33.081
1823	116.966
1824	210.302
1825	44.896
1826	187.854
1827	356.805
1828	132.325
1829	155.955
1830	38.989
1831	56.711
1832	187.854
1833	210.302
1834	155.955
1835	31.9
1836	102.788
1837	22.448
1838	88.611
1839	99.244
1840	125.236
1841	96.881
1842	243.384
1843	128.781
1844	33.081
1845	115.784
1846	128.781
1847	105.151
1848	186.673
1849	150.047
1850	41.352
1851	135.87
1852	191.399
1853	170.132
1854	40.17
1855	137.051
1856	145.321
1857	55.529
1858	211.484
1859	205.577
1860	37.807
1861	100.425

1862	90.974
1863	203.214
1864	88.611
1865	961.72
1866	246.928
1867	138.233
1868	637.996
1869	180.766
1870	47.259
1871	647.448
1872	251.654
1873	67.344
1874	118.147
1875	172.495
1876	165.406
1877	63.8
1878	54.348
1879	89.792
1880	30.718
1881	77.977
1882	102.788
1883	179.584
1884	62.618
1885	303.639
1886	854.206
1887	75.614
1888	419.423
1889	75.614
1890	203.214
1891	401.701
1892	31.9
1893	56.711
1894	35.444
1895	184.31
1896	83.885
1897	100.425
1898	131.144
1899	121.692
1900	61.437
1901	191.399
1902	66.163
1903	47.259
1904	194.943
1905	38.989
1906	178.403
1907	200.851
1908	167.769

1909	61.437
1910	93.336
1911	230.388
1912	146.503
1913	243.384
1914	233.932
1915	341.446
1916	178.403
1917	76.796
1918	89.792
1919	370.983
1920	41.352
1921	327.268
1922	38.989
1923	139.414
1924	609.641
1925	38.989
1926	107.514
1927	294.187
1928	56.711
1929	190.217
1930	343.809
1931	49.622
1932	112.24
1933	43.715
1934	92.155
1935	131.144
1936	251.654
1937	51.985
1938	67.344
1939	167.769
1940	47.259
1941	184.31
1942	180.766
1943	21.267
1944	350.898
1945	106.333
1946	125.236
1947	94.518
1948	129.962
1949	23.629
1950	248.11
1951	171.314
1952	167.769
1953	27.174
1954	77.977
1955	168.951

1956	36.626
1957	293.006
1958	93.336
1959	57.892
1960	79.159
1961	90.974
1962	461.957
1963	163.043
1964	24.811
1965	394.612
1966	575.378
1967	197.306
1968	99.244
1969	152.41
1970	116.966
1971	69.707
1972	20.085
1973	37.807
1974	346.172
1975	427.694
1976	101.607
1977	66.163
1978	407.609
1979	401.701
1980	28.355
1981	140.595
1982	131.144
1983	131.144
1984	47.259
1985	459.594
1986	29.537
1987	95.699
1988	363.894
1989	92.155
1990	128.781
1991	133.507
1992	94.518
1993	50.803
1994	61.437
1995	288.28
1996	178.403
1997	217.391
1998	93.336
1999	95.699
2000	79.159
2001	122.873
2002	31.9

2003	197.306
2004	21.267
2005	56.711
2006	125.236
2007	320.18
2008	134.688
2009	178.403
2010	90.974
2011	219.754
2012	138.233
2013	63.8
2014	857.75
2015	103.97
2016	368.62
2017	53.166
2018	36.626
2019	362.713
2020	23.629
2021	102.788
2022	912.098
2023	102.788
2024	92.155
2025	69.707
2026	171.314
2027	205.577
2028	173.677
2029	168.951
2030	254.017
2031	138.233
2032	153.592
2033	64.981
2034	69.707
2035	101.607
2036	28.355
2037	457.231
2038	77.977
2039	43.715
2040	98.062
2041	183.129
2042	108.696
2043	147.684
2044	133.507
2045	30.718
2046	255.198
2047	239.839
2048	304.82
2049	53.166

2050	43.715
2051	146.503
2052	74.433
2053	326.087
2054	22.448
2055	170.132
2056	171.314
2057	172.495
2058	82.703
2059	42.533
2060	54.348
2061	37.807
2062	200.851
2063	22.448
2064	181.947
2065	122.873
2066	307.183
2067	326.087
2068	101.607
2069	239.839
2070	356.805
2071	44.896
2072	213.847
2073	88.611
2074	356.805
2075	34.263
2076	53.166
2077	271.739
2078	70.888
2079	50.803
2080	48.44
2081	153.592
2082	38.989
2083	255.198
2084	640.359
2085	25.992
2086	211.484
2087	257.561
2088	77.977
2089	359.168
2090	243.384
2091	190.217
2092	122.873
2093	56.711
2094	497.401
2095	103.97
2096	172.495

2097	151.229
2098	122.873
2099	64.981
2100	56.711
2101	198.488
2102	282.372
2103	126.418
2104	334.357
2105	159.499
2106	148.866
2107	264.65
2108	137.051
2109	193.762
2110	216.21
2111	159.499
2112	49.622
2113	105.151
2114	35.444
2115	94.518
2116	173.677
2117	94.518
2118	249.291
2119	193.762
2120	81.522
2121	54.348
2122	167.769
2123	109.877
2124	77.977
2125	93.336
2126	147.684
2127	164.225
2128	89.792
2129	48.44
2130	333.176
2131	28.355
2132	166.588
2133	133.507
2134	138.233
2135	160.681
2136	152.41
2137	86.248
2138	79.159
2139	105.151
2140	127.599
2141	59.074
2142	163.043
2143	28.355

2144	210.302
2145	89.792
2146	115.784
2147	22.448
2148	459.594
2149	109.877
2150	213.847
2151	244.565
2152	166.588
2153	81.522
2154	88.611
2155	77.977
2156	300.095
2157	172.495
2158	80.34
2159	217.391
2160	356.805
2161	153.592
2162	30.718
2163	343.809
2164	70.888
2165	160.681
2166	212.665
2167	48.44
2168	373.346
2169	249.291
2170	79.159
2171	161.862
2172	138.233
2173	73.251
2174	294.187
2175	30.718
2176	22.448
2177	116.966
2178	64.981
2179	125.236
2180	223.299
2181	239.839
2182	388.705
2183	40.17
2184	184.31
2185	139.414
2186	47.259
2187	135.87
2188	94.518
2189	55.529
2190	427.694

2191	103.97
2192	223.299
2193	119.329
2194	124.055
2195	187.854
2196	23.629
2197	474.953
2198	120.51
2199	555.293
2200	239.839
2201	157.136
2202	112.24
2203	176.04
2204	106.333
2205	90.974
2206	94.518
2207	34.263
2208	69.707
2209	165.406
2210	35.444
2211	47.259
2212	49.622
2213	20.085
2214	277.647
2215	209.121
2216	77.977
2217	61.437
2218	139.414
2219	165.406
2220	167.769
2221	202.032
2222	137.051
2223	146.503
2224	134.688
2225	126.418
2226	116.966
2227	187.854
2228	159.499
2229	113.422
2230	185.491
2231	274.102
2232	142.958
2233	199.669
2234	589.556
2235	237.476
2236	428.875
2237	180.766

2238	36.626
2239	204.395
2240	33.081
2241	50.803
2242	141.777
2243	74.433
2244	538.752
2245	55.529
2246	76.796
2247	628.544
2248	121.692
2249	34.263
2250	482.042
2251	95.699
2252	77.977
2253	113.422
2254	178.403
2255	95.699
2256	451.323
2257	235.113
2258	1007.798
2259	316.635
2260	47.259
2261	68.526
2262	166.588
2263	133.507
2264	48.44
2265	353.261
2266	225.662
2267	460.775
2268	177.221
2269	95.699
2270	844.754
2271	988.894
2272	120.51
2273	99.244
2274	29.537
2275	38.989
2276	122.873
2277	99.244
2278	438.327
2279	118.147
2280	176.04
2281	53.166
2282	51.985
2283	128.781
2284	183.129

2285	203.214
2286	76.796
2287	210.302
2288	131.144
2289	739.603
2290	107.514
2291	95.699
2292	112.24
2293	113.422
2294	233.932
2295	90.974
2296	477.316
2297	210.302
2298	138.233
2299	76.796
2300	114.603
2301	82.703
2302	550.567
2303	142.958
2304	54.348
2305	430.057
2306	81.522
2307	421.786
2308	107.514
2309	176.04
2310	59.074
2311	68.526
2312	154.773
2313	166.588
2314	49.622
2315	388.705
2316	226.843
2317	29.537
2318	36.626
2319	161.862
2320	112.24
2321	219.754
2322	20.085
2323	473.771
2324	158.318
2325	69.707
2326	79.159
2327	59.074
2328	55.529
2329	132.325
2330	159.499
2331	56.711

2332	98.062
2333	138.233
2334	28.355
2335	173.677
2336	121.692
2337	350.898
2338	155.955
2339	31.9
2340	447.779
2341	147.684
2342	115.784
2343	134.688
2344	48.44
2345	204.395
2346	60.255
2347	179.584
2348	290.643
2349	108.696
2350	205.577
2351	166.588
2352	238.658
2353	515.123
2354	73.251
2355	144.14
2356	515.123
2357	81.522
2358	53.166
2359	608.459
2360	43.715
2361	131.144
2362	67.344
2363	22.448
2364	50.803
2365	41.352
2366	146.503
2367	1415.406
2368	33.081
2369	255.198
2370	21.267
2371	163.043
2372	127.599
2373	22.448
2374	56.711
2375	164.225
2376	802.221
2377	181.947
2378	264.65

2379	281.191
2380	116.966
2381	472.59
2382	132.325
2383	33.081
2384	72.07
2385	51.985
2386	126.418
2387	242.202
2388	210.302
2389	90.974
2390	25.992
2391	107.514
2392	171.314
2393	160.681
2394	705.34
2395	114.603
2396	461.957
2397	107.514
2398	198.488
2399	96.881
2400	173.677
2401	170.132
2402	62.618
2403	398.157
2404	43.715
2405	121.692
2406	95.699
2407	37.807
2408	67.344
2409	108.696
2410	263.469
2411	206.758
2412	129.962
2413	80.34
2414	73.251
2415	348.535
2416	587.193
2417	64.981
2418	89.792
2419	81.522
2420	1465.028
2421	88.611
2422	35.444
2423	54.348
2424	81.522
2425	167.769

2426	27.174
2427	73.251
2428	155.955
2429	526.938
2430	138.233
2431	176.04
2432	304.82
2433	69.707
2434	67.344
2435	271.739
2436	237.476
2437	59.074
2438	108.696
2439	328.45
2440	155.955
2441	92.155
2442	113.422
2443	428.875
2444	64.981
2445	41.352
2446	321.361
2447	138.233
2448	1031.427
2449	166.588
2450	142.958
2451	249.291
2452	173.677
2453	88.611
2454	92.155
2455	88.611
2456	194.943
2457	158.318
2458	209.121
2459	73.251
2460	532.845
2461	22.448
2462	223.299
2463	35.444
2464	35.444
2465	77.977
2466	106.333
2467	161.862
2468	47.259
2469	616.73
2470	544.66
2471	173.677
2472	77.977

2473	202.032
2474	63.8
2475	151.229
2476	401.701
2477	152.41
2478	134.688
2479	158.318
2480	154.773
2481	225.662
2482	244.565
2483	241.021
2484	1021.975
2485	447.779
2486	79.159
2487	310.728
2488	127.599
2489	47.259
2490	66.163
2491	75.614
2492	270.558
2493	431.238
2494	60.255
2495	164.225
2496	25.992
2497	171.314
2498	27.174
2499	120.51
2500	278.828
2501	630.907
2502	152.41
2503	1056.238
2504	57.892
2505	251.654
2506	161.862
2507	154.773
2508	144.14
2509	144.14
2510	62.618
2511	249.291
2512	50.803
2513	99.244
2514	21.267
2515	62.618
2516	409.972
2517	186.673
2518	654.537
2519	30.718

2520	223.299
2521	105.151
2522	148.866
2523	88.611
2524	72.07
2525	190.217
2526	34.263
2527	20.085
2528	148.866
2529	422.968
2530	53.166
2531	128.781
2532	1013.705
2533	47.259
2534	153.592
2535	114.603
2536	211.484
2537	27.174
2538	129.962
2539	37.807
2540	68.526
2541	88.611
2542	90.974
2543	119.329
2544	60.255
2545	142.958
2546	215.028
2547	412.335
2548	655.718
2549	743.147
2550	57.892
2551	132.325
2552	61.437
2553	120.51
2554	383.979
2555	354.442
2556	101.607
2557	138.233
2558	113.422
2559	70.888
2560	215.028
2561	2360.586
2562	90.974
2563	880.198
2564	27.174
2565	70.888
2566	217.391

2567	88.611
2568	229.206
2569	860.113
2570	103.97
2571	76.796
2572	33.081
2573	24.811
2574	95.699
2575	72.07
2576	199.669
2577	75.614
2578	205.577
2579	328.45
2580	20.085
2581	148.866
2582	99.244
2583	151.229
2584	28.355
2585	80.34
2586	111.059
2587	141.777
2588	20.085
2589	205.577
2590	60.255
2591	249.291
2592	126.418
2593	59.074
2594	339.083
2595	113.422
2596	139.414
2597	47.259
2598	147.684
2599	446.597
2600	126.418
2601	76.796
2602	22.448
2603	95.699
2604	194.943
2605	178.403
2606	190.217
2607	193.762
2608	22.448
2609	53.166
2610	424.149
2611	35.444
2612	147.684
2613	34.263

2614	245.747
2615	293.006
2616	94.518
2617	158.318
2618	199.669
2619	145.321
2620	184.31
2621	96.881
2622	376.89
2623	93.336
2624	33.081
2625	155.955
2626	67.344
2627	82.703
2628	349.716
2629	24.811
2630	218.573
2631	94.518
2632	119.329
2633	99.244
2634	164.225
2635	207.94
2636	185.491
2637	212.665
2638	359.168
2639	81.522
2640	249.291
2641	197.306
2642	31.9
2643	43.715
2644	445.416
2645	329.631
2646	205.577
2647	132.325
2648	99.244
2649	167.769
2650	119.329
2651	147.684
2652	48.44
2653	68.526
2654	77.977
2655	284.735
2656	167.769
2657	336.72
2658	333.176
2659	101.607
2660	90.974

2661	55.529
2662	157.136
2663	282.372
2664	87.429
2665	122.873
2666	46.078
2667	148.866
2668	252.836
2669	41.352
2670	72.07
2671	96.881
2672	183.129
2673	887.287
2674	43.715
2675	95.699
2676	438.327
2677	249.291
2678	354.442
2679	43.715
2680	114.603
2681	170.132
2682	129.962
2683	50.803
2684	133.507
2685	300.095
2686	180.766
2687	20.085
2688	31.9
2689	440.69
2690	76.796
2691	203.214
2692	270.558
2693	31.9
2694	96.881
2695	38.989
2696	66.163
2697	600.189
2698	37.807
2699	259.924
2700	231.569
2701	194.943
2702	158.318
2703	272.921
2704	112.24
2705	155.955
2706	129.962
2707	41.352

2708	73.251
2709	114.603
2710	64.981
2711	105.151
2712	252.836
2713	137.051
2714	160.681
2715	57.892
2716	94.518
2717	315.454
2718	331.994
2719	88.611
2720	158.318
2721	173.677
2722	60.255
2723	257.561
2724	135.87
2725	56.711
2726	226.843
2727	391.068
2728	79.159
2729	215.028
2730	119.329
2731	77.977
2732	231.569
2733	163.043
2734	61.437
2735	49.622
2736	60.255
2737	139.414
2738	98.062
2739	174.858
2740	209.121
2741	88.611
2742	75.614
2743	105.151
2744	54.348
2745	86.248
2746	23.629
2747	37.807
2748	70.888
2749	106.333
2750	62.618
2751	46.078
2752	70.888
2753	38.989

Figure S2. Surface appearance of anodized samples for 25-min and 45-min anodizing before immersion (upper images) and after 75 h of immersion in 0.01 M NaCl (lower images).

Black circles delimit the O-ring (so the immersed area). A white deposit and some small black pits appeared on the 25 min anodizing (75 h immersion). No major change on the 45-min surface after 75 h of immersion. Black pits near the O-ring are attributed to crevice corrosion.

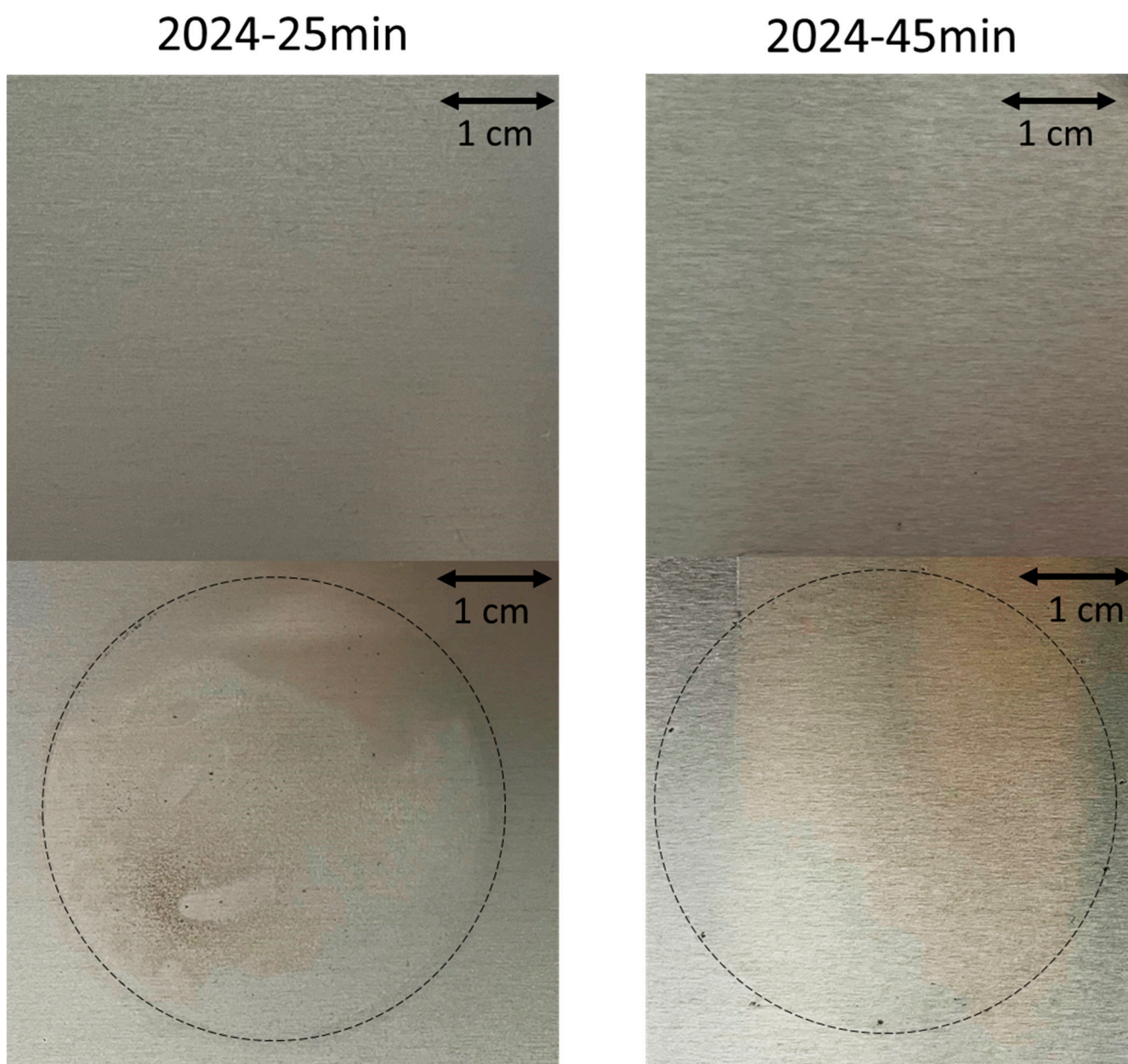


Figure S3. Salt spray test results after 500h of exposure.

