

I, Seth Schoen, declare as follows:

1. I am a Senior Staff Technologist with the Electronic Frontier Foundation (EFF), and I make this declaration on my own personal knowledge. I have worked with computers and computer networks for over a decade, have testified about electronic communications systems in two courts and before the United States Sentencing Commission, and have submitted declarations similar to my present declaration to the Federal courts in at least thirteen other matters.

2. The purpose of this declaration is twofold. The first purpose of this declaration is to respond to assertions made by Plaintiff that might give a misleading impression of how unique BitTorrent is or how likely it is that various Defendants interacted with each other or were aware of each other in the course of uploading or downloading the allegedly-infringing material at issue in this case. The second is to set forth facts, which were readily available to Plaintiff from inexpensive sources at and before the time it filed suit, that establish that most of the unnamed Defendants in the above-referenced case (hereinafter “Does” or “Doe Defendants”) use Internet connections almost certainly located physically outside of the District of Columbia.

STATEMENTS RELATING TO MASS JOINDER

3. This Declaration responds to assertions made by the Plaintiff that might give a misleading impression of how unique BitTorrent is or how likely it is that various Defendants acted in concert in the course of uploading or downloading the motion picture whose copyright Plaintiff accuses them of infringing.

4. Plaintiff alleges that “unlike a traditional peer-to-peer network, each new file downloader is receiving a different piece of the data from each user who has already downloaded the file.” Complaint ¶ 5. In fact, the operation of BitTorrent as alleged in the Complaint is strikingly similar to that of defendants who have used file sharing systems that were at issue in previous litigation about peer-to-peer file sharing, and to other commonplace uses of the Internet, including browsing the World Wide Web. To the extent BitTorrent is different, the differences

result in less direct communication among users of the technology, and less likelihood that defendants worked in concert, not more.

5. BitTorrent is not the only system in which a user requesting a download receives pieces of the requested data simultaneously from computers in multiple jurisdictions. When a user requests a page on the World Wide Web using a Web browser, it is common for the requested page to contain requests for images, sounds, video, interactive applications, or other content which may be located on servers in multiple jurisdictions. Upon downloading such a page, the user's Web browser automatically sends requests directly to these other servers, without any further action by the user. The user has no reasonable way of knowing in advance whether this will happen, or from which jurisdictions this secondary content will be transmitted. Generally, the user will be unaware that this loading of content from many locations has even occurred.

6. For example, the popular BoingBoing.net web site is physically hosted with Priority Colo in Toronto, Canada (unbeknownst to many users, who may think of it as an "American" site). However, loading the BoingBoing.net site's front page in the ordinary way on a PC caused my web browser to connect directly to, and download content (such as video, scripts, images, and advertisements) from, *thirty-four* different servers without any additional action on my part. The Internet Protocol (IP) addresses of these servers indicate that they are in disparate locations including Toronto, New York, California, and Germany.

7. In addition, every transmission on the Internet potentially involves multiple computers in multiple jurisdictions. The Internet works by transmitting packets of data through a series of routers forming a path between two points. These routers may be located in multiple jurisdictions. From one transmission to the next, and even in the course of a single transmission of a file, packets may take different routes through the Internet, passing through computers in different jurisdictions. This process happens without any further action by the user who requested the transmission. It is essentially impossible for the user to know in advance which jurisdictions a transmission will pass through.

8. For example, accessing the Federal Judicial Center's web site at <http://www.fjc.gov/> from my office in San Francisco caused data to pass in both directions through Internet routers operated by Cogent Communications in Kansas City and Chicago, not just California and the District of Columbia. I did not anticipate that data would pass through these specific places, and my web browser did not inform me of this fact.

9. BitTorrent's file-focused distribution provides users with *less* ability to identify and communicate with the peers with whom they exchange files than other technologies do. For example, the file-sharing systems Napster and KaZaA, unlike BitTorrent, referred to each user by a human-intelligible and somewhat memorable screen name, instead of a number. Napster and KaZaA also offered users the ability to chat with one another. BitTorrent does not offer these features. There is no easy way for the various BitTorrent users who have uploaded or downloaded parts of a file to recognize, name, or communicate with one another.

10. While BitTorrent client software, like other peer-to-peer file sharing software, may provide a way for a user to view the IP addresses of peers, users are not required to do so in order to use BitTorrent. They do not have to select peers' IP addresses, because the selection of peers is done automatically. Indeed, since BitTorrent automates so much of the download process, many users likely do not even know how BitTorrent works. Most BitTorrent users have no reason to know how many or which other peers they might have communicated with in the course of downloading a file, or which addresses transmitted which portions of the file.

11. For example, the main screen of the popular Azureus BitTorrent software shows only a progress bar for the download, indication the percentage of the download that is complete, without mentioning other any other peers or their Internet addresses. Although interested users can learn about the role of peers or view their IP addresses, they are not required to do this.

12. I do not believe Plaintiff could have obtained, or can obtain, direct evidence that any particular defendant shared portions of the copyrighted work at issue here with any other defendant, since BitTorrent does not provide a means for third parties to learn who is downloading files from whom.

13. Moreover, the plausibility that a given user downloaded a part of a file from any other particular user rapidly evaporates as the number of users becomes larger or as the users use BitTorrent at widely separated times. Both are true in this case. The number of users sued together in this case is 1,058 and, according to the records submitted by Plaintiff, they allegedly used BitTorrent at different times over nearly four months.

14. Both of these facts — the number of individuals named together and the different times of their alleged use of BitTorrent — make it highly unlikely that all of 1,058 individuals sued jointly here uploaded or downloaded a part of the file from each other.

15. As to the different times for download specifically, the various Defendants are alleged to have used BitTorrent to transfer the movie file at very different times over the course of 120 days, which makes it even less plausible that they all could have communicated with one another. Exhibit A to the Complaint shows allegations of infringement on dates ranging from August 11, 2011, through December 8, 2011. Consistent with academic research on file-sharing using BitTorrent described below, this presents another reason why many individual defendants would never have communicated with one another: although some BitTorrent users may continue to share a file for a period of time after their download has completed, most do not.

16. Empirical research shows that most BitTorrent users do not remain connected for very long after their downloads are complete. These statistics can be measured by means quite similar to the techniques employed by Plaintiff here. One large study observed that only 3.1% of BitTorrent users stayed connected (to upload to others) more than ten hours after their downloads completed; only 0.34% stayed connected over 100 hours. J. A. Pouwelse, P. Garbacki, D. H. J. Epema, and H. J. Sips, *The BitTorrent P2P File-Sharing System: Measurement and Analysis* at 4, in Proceedings of the 4th International Workshop on Peer-to-Peer Systems, *available at* http://iptps05.cs.cornell.edu/PDFs/CameraReady_202.pdf.

17. Another study found that more than 90% of users who successfully downloaded a file remained connected for less than a single day, while many users who attempted to download the file gave up entirely and disconnected within the first few hours. M. Izal, G. Urvoy-Keller, E.

W. Biersack, P. A. Felber, A. Al Hamra, and L. Garcés-Erice, *Dissecting BitTorrent: Five Months in a Torrent's Lifetime* at 7, in Proceedings of the 5th International Workshop on Passive and Active Network Management Proceedings of the 4th International Workshop on Peer-to-Peer Systems, available at <http://www.pam2004.org/papers/148.pdf>.

18. Thus, it is highly unlikely all or even a significant number of the defendants who downloaded the subject copyrighted work here stayed on the network and became a source for another later-connecting defendant to download from days or weeks later.

19. In addition, according to Exhibit A of the Complaint, the Defendants allegedly participated used BitTorrent to infringe Plaintiff's work sometime between August 11, 2011, through December 8, 2011. This leads me to believe that it is very unlikely that any of these defendants directly communicated with more than a few others. Research (cited in paragraphs 16 and 17 above) shows that most BitTorrent users only remain in swarms for quite short times after finishing their downloads, usually for less than a day, not nearly for 120 days.

20. Plaintiff alleges that 1,058 defendants were "simultaneously stealing copyrighted material from many ISPs in numerous jurisdictions around the country," apparently basing this allegation on the way that BitTorrent works. Complaint ¶ 6. This statement could create the misconception that each participant in a swarm communicated or exchanged portions of a file with every other participant. In fact, a downloader receives a given segment of the file from only one other user, not from all of the users participating in a given swarm. BitTorrent does not permit downloading a particular piece of a file from more than one user at a time, although different pieces of the file can be downloaded from different users. Also, a downloader only communicates with some of the users in a limited, gradually changing "peer set" of generally no more than 50 peers at a time. While it is quite plausible that some Doe Defendants shared some pieces of the allegedly infringing file with some of the other Defendants, it is far from clear (and even unlikely) that all of the Defendants worked in concert in downloading a single file in the sense of communicating with one another or exchanging portions of a file with one another.

STATEMENTS RELATING TO PERSONAL JURISDICTION

21. By reviewing Exhibit A to the Complaint, I compiled a list of the IP addresses that Plaintiff attributes to each of the Doe Defendants.

22. There are many tools available to the public that help reveal where a person using a particular IP address is likely to be physically located. This process is often referred to as “geolocation.” This information is commonly used for many purposes, such as customizing the language or content of web sites based on inferences about where visitors are accessing the site from. For example, Google, Inc., uses geolocation to choose to display its web site in German to people coming from Germany, in French to people coming from France, and so on. It also uses geolocation to display ads and results related to particular cities or regions to people accessing its site from those cities or regions.

23. Several companies collect and continually update geographic information about IP address locations from a variety of data sources, and collect this information in databases called “geolocation databases.” Geolocation databases are commonly used by web site operators who are interested in finding out the approximate physical location of their web visitors. Since web site operators are often very interested in such information, there is considerable demand for geolocation databases.

24. Geolocation providers synthesize information from a variety of sources. *See, e.g.*, <http://www.quova.com/what/how-we-do-it/> (describing geolocation provider's research efforts) (accessed March 7, 2012). Geolocation data sources could include publicly available records like the ARIN registry and whois database, as well as empirical observations from web sites where users voluntarily reported their locations or asked for location-related services, and reports from some ISPs who voluntarily submit data about their networks.

25. For each of the 1,058 IP address that were referenced in this suit, I used the Neustar IP Intelligence trial API (Application Programming Interface) available at <http://developer.quova.com/> to find an estimated city and state location for the computers using the IP addresses as of March 5th or 6th, 2012. A table showing the results of this process is

attached as Exhibit A. The Neustar API reported that 22 of the 1,058 IP addresses were assigned to computers located in the District of Columbia as of March 5th or 6th, 2012.

26. The results of this process generally closely matched the information reported by the Internet service providers in this case in the Cadenhead, Compton, Freundberg, and Moriarty Declarations regarding where the subscribers associated with the IP addresses were located.

27. For example, the following table compares the subscriber locations identified by Verizon in the Moriarty Declaration with the results of the Neustar geolocation of IP addresses that Exhibit A to the Complaint says are associated with Verizon subscribers:

<u>State</u>	<u>Verizon Count</u>	<u>Neustar Count</u>
California	39	41
Delaware	4	0
District of Columbia	20	20
Florida	8	8
Maryland	8	6
Massachusetts	9	9
New Jersey	23	28
New York	35	32
Pennsylvania	12	14
Rhode Island	6	6
Texas	17	17
Virginia	7	7

28. From the information available from the Neustar geolocation database, 22 of the IP addresses of defendants in this action appear to be located in the District of Columbia. This puts around 2% of the IP addresses in the District of Columbia, compared to the 0.2% of the

population of the United States as a whole that resides in D.C. according to the 2010 Census.

I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge. This declaration was executed in San Francisco, California.

Dated: March 12, 2012

By:  _____
SETH SCHOEN

Exhibit A

Exhibit A

EXHIBIT A

Doe #	IP address	Quova city	Quova state
1	107.3.174.60	san jose	california
2	107.5.155.180	grand rapids	michigan
3	107.61.128.234	tacoma	washington
4	108.0.108.18	los angeles	california
5	108.0.218.226	los angeles	california
6	108.0.222.104	los angeles	california
7	108.0.223.37	los angeles	california
8	108.0.249.105	los angeles	california
9	108.0.74.62	los angeles	california
10	108.12.230.203	providence	rhode island
11	108.13.108.164	los angeles	california
12	108.13.110.105	los angeles	california
13	108.13.77.26	los angeles	california
14	108.14.99.204	new york	new york
15	108.16.198.108	philadelphia	pennsylvania
16	108.16.89.241	philadelphia	pennsylvania
17	108.2.139.32	philadelphia	pennsylvania
18	108.23.183.218	los angeles	california
19	108.23.242.121	los angeles	california
20	108.27.223.149	new york	new york
21	108.28.25.176	washington	district of columbia
22	108.3.214.156	baltimore	maryland
23	108.34.217.191	providence	rhode island
24	108.38.129.48	los angeles	california
25	108.38.49.41	los angeles	california
26	108.41.16.192	new york	new york
27	108.41.30.216	new york	new york
28	108.45.72.32	washington	district of columbia
29	108.46.129.36	new york	new york
30	108.46.139.16	new york	new york
31	108.5.232.61	newark	new jersey

Doe #	IP address	Quova city	Quova state
32	108.50.151.7	newark	new jersey
33	108.52.27.116	philadelphia	pennsylvania
34	108.6.166.242	new york	new york
35	108.68.98.146	santa clara	california
36	108.89.52.198	houston	texas
37	108.9.56.209	tampa	florida
38	173.175.161.22	el paso	texas
39	173.186.60.98	atlanta	georgia
40	173.2.202.120	freeport	new york
41	173.2.209.181	hicksville	new york
42	173.2.47.251	norwalk	connecticut
43	173.2.69.44	bronx	new york
44	173.23.109.158	saint louis	missouri
45	173.30.26.21	des moines	iowa
46	173.46.227.86	portage	michigan
47	173.48.121.229	boston	massachusetts
48	173.48.135.198	boston	massachusetts
49	173.48.209.249	boston	massachusetts
50	173.50.97.102	norfolk	virginia
51	173.51.180.63	los angeles	california
52	173.51.194.118	los angeles	california
53	173.51.214.203	los angeles	california
54	173.51.230.212	los angeles	california
55	173.51.68.91	los angeles	california
56	173.55.42.238	los angeles	california
57	173.55.86.132	los angeles	california
58	173.57.180.27	dallas	texas
59	173.57.180.46	dallas	texas
60	173.57.2.194	dallas	texas
61	173.58.203.101	los angeles	california
62	173.58.242.112	los angeles	california
63	173.58.34.44	los angeles	california

Doe #	IP address	Quova city	Quova state
64	173.58.89.182	los angeles	california
65	173.60.22.91	los angeles	california
66	173.60.46.173	los angeles	california
67	173.60.52.18	los angeles	california
68	173.63.196.106	newark	new jersey
69	173.63.87.250	newark	new jersey
70	173.64.106.175	baltimore	maryland
71	173.64.219.65	dallas	texas
72	173.65.158.25	tampa	florida
73	173.66.196.176	washington	district of columbia
74	173.68.68.106	new york	new york
75	173.70.115.134	newark	new jersey
76	173.70.121.58	newark	new jersey
77	173.70.146.102	newark	new jersey
78	173.70.86.146	newark	new jersey
79	173.71.105.193	camden	new jersey
80	173.72.205.48	culpeper	virginia
81	173.73.74.48	washington	district of columbia
82	173.74.118.113	dallas	texas
83	173.74.148.116	dallas	texas
84	173.77.153.245	new york	new york
85	173.77.75.228	new york	new york
86	173.80.170.177	saint albans	west virginia
87	173.86.165.211	clintonville	wisconsin
88	173.89.124.45	detroit	michigan
89	174.100.247.130	edinboro	pennsylvania
90	174.127.10.242	coachella	california
91	174.134.225.11	bakersfield	california
92	174.17.123.151	phoenix	arizona
93	174.25.165.166	portland	oregon
94	174.27.217.34	salt lake city	utah
95	174.28.185.97	albuquerque	new mexico

Doe #	IP address	Quova city	Quova state
96	174.45.100.255	bozeman	montana
97	174.45.125.25	missoula	montana
98	174.48.140.255	north miami beach	florida
99	174.48.22.249	north miami beach	florida
100	174.52.118.143	salt lake city	utah
101	174.53.186.204	minneapolis	minnesota
102	174.55.79.96	york	pennsylvania
103	174.56.199.147	augusta	georgia
104	174.56.35.71	farmington	new mexico
105	174.57.60.123	clementon	new jersey
106	174.58.16.66	sarasota	florida
107	174.60.125.74	chambersburg	pennsylvania
108	174.64.169.76	lafayette	louisiana
109	174.70.150.113	kansas city	kansas
110	174.70.151.201	kansas city	kansas
111	174.74.54.226	omaha	nebraska
112	174.79.147.46	tulsa	oklahoma
113	184.152.101.57	new york	new york
114	184.153.234.149	oneida	new york
115	184.155.189.208	rio rancho	new mexico
116	184.174.141.183	chattanooga	tennessee
117	184.5.250.173	charlottesville	virginia
118	184.88.3.80	orlando	florida
119	184.91.104.8	orlando	florida
120	184.91.19.203	orlando	florida
121	184.98.80.213	phoenix	arizona
122	204.116.78.252	chester	south carolina
123	204.152.219.59	los angeles	california
124	206.255.212.9	searcy	arkansas
125	207.144.79.89	chester	south carolina
126	207.181.200.133	chicago	illinois
127	207.237.0.64	new york	new york

Doe #	IP address	Quova city	Quova state
128	208.100.142.212	bend	oregon
129	208.106.86.154	los angeles	california
130	209.112.180.39	anchorage	alaska
131	209.136.99.181	sulphur	louisiana
132	209.33.10.236	sonora	texas
133	209.6.54.239	somerville	massachusetts
134	216.145.132.243	green city	missouri
135	216.15.39.7	gaitthersburg	maryland
136	216.162.152.173	tallahassee	florida
137	216.220.23.40	glasgow	montana
138	216.251.17.22	guymon	oklahoma
139	216.93.130.254	troy	alabama
140	24.0.28.18	plainfield	new jersey
141	24.0.85.25	dover	new jersey
142	24.1.187.205	lafayette	indiana
143	24.1.245.43	chicago	illinois
144	24.1.246.223	chicago	illinois
145	24.10.158.212	salt lake city	utah
146	24.101.225.31	pittsburgh	pennsylvania
147	24.101.235.90	pittsburgh	pennsylvania
148	24.11.217.3	muskegon	michigan
149	24.11.250.208	mishawaka	indiana
150	24.11.70.73	flushing	michigan
151	24.113.108.30	port orchard	washington
152	24.115.217.15	east stroudsburg	pennsylvania
153	24.12.173.148	mchenry	illinois
154	24.12.208.52	morton grove	illinois
155	24.12.51.86	griffith	indiana
156	24.121.232.157	flagstaff	arizona
157	24.121.233.137	flagstaff	arizona
158	24.121.36.105	lake havasu city	arizona
159	24.127.193.132	hallandale beach	florida

Doe #	IP address	Quova city	Quova state
160	24.129.95.41	jacksonville	florida
161	24.13.132.242	champaign	illinois
162	24.13.168.128	mount prospect	illinois
163	24.130.190.61	pinole	california
164	24.130.84.28	pinole	california
165	24.131.152.33	white bear lake	minnesota
166	24.131.219.36	pittsburgh	pennsylvania
167	24.136.6.242	chicago	illinois
168	24.136.78.223	garden grove	california
169	24.143.76.11	seattle	washington
170	24.15.199.117	champaign	illinois
171	24.15.246.155	rolling meadows	illinois
172	24.154.113.178	butler	pennsylvania
173	24.16.27.24	bellevue	washington
174	24.16.67.135	bellevue	washington
175	24.160.82.22	tampa	florida
176	24.164.56.166	tampa	florida
177	24.165.35.40	kailua-kona	hawaii
178	24.166.232.144	lancaster	ohio
179	24.166.234.173	lancaster	ohio
180	24.17.220.205	seattle	washington
181	24.176.118.57	jackson	tennessee
182	24.184.103.249	saint james	new york
183	24.184.189.93	bronx	new york
184	24.184.241.229	hicksville	new york
185	24.184.44.73	coram	new york
186	24.187.12.44	bronx	new york
187	24.188.116.247	hicksville	new york
188	24.19.101.29	bremerton	washington
189	24.191.32.170	coram	new york
190	24.192.31.125	detroit	michigan
191	24.197.136.39	spartanburg	south carolina

Doe #	IP address	Quova city	Quova state
192	24.197.21.11	leeds	alabama
193	24.2.114.69	east liverpool	ohio
194	24.20.116.223	portland	oregon
195	24.20.226.206	corvallis	oregon
196	24.20.87.32	beaverton	oregon
197	24.205.182.18	west covina	california
198	24.208.138.38	columbus	ohio
199	24.208.236.15	detroit	michigan
200	24.216.69.253	saint louis	missouri
201	24.218.9.7	nantucket	massachusetts
202	24.22.156.53	bellevue	washington
203	24.22.23.193	beaverton	oregon
204	24.22.248.196	bellevue	washington
205	24.23.24.69	sacramento	california
206	24.23.45.4	sacramento	california
207	24.23.49.245	sacramento	california
208	24.231.151.158	allendale	michigan
209	24.233.137.144	orlando	florida
210	24.247.101.163	allendale	michigan
211	24.250.12.70	providence	rhode island
212	24.250.162.212	gainesville	florida
213	24.251.169.248	phoenix	arizona
214	24.253.109.184	las vegas	nevada
215	24.253.22.157	las vegas	nevada
216	24.253.24.154	las vegas	nevada
217	24.29.220.193	warren	ohio
218	24.3.200.159	mckeesport	pennsylvania
219	24.3.26.153	kane	pennsylvania
220	24.34.211.10	exeter	new hampshire
221	24.34.252.137	woburn	massachusetts
222	24.4.124.208	walnut creek	california
223	24.4.201.79	san jose	california

Doe #	IP address	Quova city	Quova state
224	24.4.3.244	pleasanton	california
225	24.4.37.215	san francisco	california
226	24.4.4.199	san francisco	california
227	24.45.157.8	staten island	new york
228	24.47.52.24	saint james	new york
229	24.5.11.126	san mateo	california
230	24.5.252.115	san francisco	california
231	24.6.112.207	san jose	california
232	24.61.244.187	lowell	massachusetts
233	24.62.112.182	weymouth	massachusetts
234	24.62.180.250	beverly	massachusetts
235	24.7.81.79	pinole	california
236	24.7.97.97	ukiah	california
237	24.7.99.58	pinole	california
238	24.72.173.76	sour lake	texas
239	24.8.127.125	aurora	colorado
240	24.8.63.133	arvada	colorado
241	24.9.58.250	denver	colorado
242	24.91.41.150	milton	vermont
243	24.98.67.85	atlanta	georgia
244	24.98.85.31	marietta	georgia
245	24.99.178.18	atlanta	georgia
246	50.128.164.241	fort lauderdale	florida
247	50.129.79.160	griffith	indiana
248	50.130.150.87	albuquerque	new mexico
249	50.131.64.234	walnut creek	california
250	50.14.116.126	new york	new york
251	50.14.218.251	new york	new york
252	50.14.252.88	new york	new york
253	50.27.209.7	saint joseph	missouri
254	50.35.182.24	everett	washington
255	50.35.189.85	everett	washington

Doe #	IP address	Quova city	Quova state
256	50.46.101.77	everett	washington
257	50.46.144.109	everett	washington
258	50.8.251.12	san francisco	california
259	50.83.53.217	moline	illinois
260	50.89.77.176	orlando	florida
261	64.113.27.124	rock island	washington
262	64.126.49.235	lenexa	kansas
263	64.136.214.119	lenexa	kansas
264	64.136.232.224	portage	michigan
265	64.169.0.249	reno	nevada
266	64.233.213.28	cleveland	ohio
267	64.252.187.149	meriden	connecticut
268	64.85.160.20	east lansing	michigan
269	64.85.229.29	concord	california
270	65.127.21.137	mead	colorado
271	65.160.212.153	las vegas	nevada
272	65.28.103.84	kansas city	missouri
273	65.35.206.28	tampa	florida
274	65.35.35.103	brooksville	florida
275	65.5.249.12	bowling green	kentucky
276	65.9.74.123	miami	florida
277	65.96.118.16	quincy	massachusetts
278	66.169.101.197	fort worth	texas
279	66.177.101.41	jacksonville	florida
280	66.214.14.165	long beach	california
281	66.220.108.1	bend	oregon
282	66.227.231.146	coldwater	michigan
283	66.229.155.240	miami	florida
284	66.229.26.58	miramar	florida
285	66.229.54.46	homestead	florida
286	66.31.245.184	exeter	new hampshire
287	66.32.12.122	atlanta	georgia

Doe #	IP address	Quova city	Quova state
288	66.41.171.74	eden prairie	minnesota
289	66.42.168.7	cincinnati	ohio
290	66.58.230.129	anchorage	alaska
291	66.68.83.209	austin	texas
292	67.10.105.184	el paso	texas
293	67.137.242.15	logan	utah
294	67.149.6.159	cleveland	ohio
295	67.159.149.78	roseville	california
296	67.162.253.34	dover	delaware
297	67.163.148.95	pittsburgh	pennsylvania
298	67.163.164.24	morgantown	west virginia
299	67.163.80.51	north chicago	illinois
300	67.164.173.7	boulder	colorado
301	67.166.156.8	sacramento	california
302	67.166.210.96	rome	georgia
303	67.166.37.35	aurora	colorado
304	67.166.9.137	arvada	colorado
305	67.167.251.70	homewood	illinois
306	67.168.252.85	troutdale	oregon
307	67.169.35.79	san jose	california
308	67.169.79.96	san francisco	california
309	67.170.185.124	beaverton	oregon
310	67.170.226.37	hayward	california
311	67.170.26.105	federal way	washington
312	67.171.213.130	eugene	oregon
313	67.171.213.80	eugene	oregon
314	67.173.233.68	arvada	colorado
315	67.174.118.158	aurora	colorado
316	67.174.166.231	savannah	georgia
317	67.174.168.70	savannah	georgia
318	67.174.27.147	speedway	indiana
319	67.175.41.149	rockford	illinois

Doe #	IP address	Quova city	Quova state
320	67.177.54.52	orem	utah
321	67.180.129.54	san jose	california
322	67.180.213.0	hayward	california
323	67.180.33.34	san francisco	california
324	67.180.76.33	san francisco	california
325	67.181.195.186	fresno	california
326	67.183.132.106	bellevue	washington
327	67.183.227.151	tacoma	washington
328	67.184.80.115	elmhurst	illinois
329	67.186.195.94	logan	utah
330	67.187.248.2	sacramento	california
331	67.188.0.167	santa clara	california
332	67.188.198.244	pinole	california
333	67.188.80.60	san jose	california
334	67.189.139.214	carmel	new york
335	67.191.22.57	wellington	florida
336	67.210.183.148	lawton	oklahoma
337	67.231.34.28	jonesboro	arkansas
338	67.247.216.41	buffalo	new york
339	67.249.16.52	syracuse	new york
340	67.80.159.162	freehold	new jersey
341	67.80.82.77	newark	new jersey
342	67.81.102.77	roslyn	new york
343	67.82.204.50	sayreville	new jersey
344	67.84.14.5	hicksville	new york
345	67.84.93.244	saint james	new york
346	67.86.0.163	norwalk	connecticut
347	68.0.117.111	tulsa	oklahoma
348	68.0.66.232	tulsa	oklahoma
349	68.1.65.182	pensacola	florida
350	68.1.67.166	pensacola	florida
351	68.1.69.4	pensacola	florida

Doe #	IP address	Quova city	Quova state
352	68.100.141.57	fairfax	virginia
353	68.100.142.229	fairfax	virginia
354	68.100.151.158	fairfax	virginia
355	68.100.218.117	fairfax	virginia
356	68.100.43.201	fairfax	virginia
357	68.101.174.246	san diego	california
358	68.102.217.10	kansas city	kansas
359	68.102.30.75	kansas city	kansas
360	68.104.15.7	las vegas	nevada
361	68.104.245.67	phoenix	arizona
362	68.104.26.147	las vegas	nevada
363	68.107.123.234	san diego	california
364	68.107.129.39	tucson	arizona
365	68.107.224.190	norfolk	virginia
366	68.107.228.247	norfolk	virginia
367	68.109.77.200	rancho santa margarita	california
368	68.11.113.112	new orleans	louisiana
369	68.110.176.24	lubbock	texas
370	68.114.24.156	lawrenceville	georgia
371	68.117.40.206	rochester	minnesota
372	68.118.72.43	roseburg	oregon
373	68.13.76.103	omaha	nebraska
374	68.14.20.29	providence	rhode island
375	68.14.28.93	providence	rhode island
376	68.160.209.68	new york	new york
377	68.183.188.207	los angeles	california
378	68.183.202.15	san jose	california
379	68.189.8.85	san luis obispo	california
380	68.189.91.139	morgan hill	california
381	68.189.95.25	morgan hill	california
382	68.192.247.207	bergenfield	new jersey
383	68.193.231.227	west nyack	new york

Doe #	IP address	Quova city	Quova state
384	68.196.117.18	paterson	new jersey
385	68.196.251.212	freehold	new jersey
386	68.197.231.163	hackensack	new jersey
387	68.197.235.111	hackensack	new jersey
388	68.198.122.250	bronx	new york
389	68.199.20.221	wappingers falls	new york
390	68.199.20.49	wappingers falls	new york
391	68.2.60.24	phoenix	arizona
392	68.202.77.141	tampa	florida
393	68.205.147.236	orlando	florida
394	68.207.79.243	dilley	texas
395	68.217.122.253	atlanta	georgia
396	68.224.147.65	las vegas	nevada
397	68.225.40.230	norfolk	virginia
398	68.228.228.226	phoenix	arizona
399	68.229.27.56	las vegas	nevada
400	68.23.86.17	dayton	ohio
401	68.238.161.113	washington	district of columbia
402	68.253.210.191	elmhurst	illinois
403	68.3.71.119	phoenix	arizona
404	68.32.16.190	philadelphia	pennsylvania
405	68.32.232.25	avenel	new jersey
406	68.33.92.198	arlington	virginia
407	68.34.103.94	catharpin	virginia
408	68.34.237.232	lake ridge	virginia
409	68.35.167.245	albuquerque	new mexico
410	68.35.208.121	mobile	alabama
411	68.36.25.3	mount laurel	new jersey
412	68.37.142.155	jersey city	new jersey
413	68.37.177.144	hillsborough	new jersey
414	68.38.182.190	verona	new jersey
415	68.39.143.32	jersey city	new jersey

Doe #	IP address	Quova city	Quova state
416	68.4.101.193	rancho santa margarita	california
417	68.4.102.69	rancho santa margarita	california
418	68.4.175.207	rancho santa margarita	california
419	68.4.182.91	rancho santa margarita	california
420	68.40.182.111	waterford	michigan
421	68.44.98.7	union	new jersey
422	68.47.253.19	graysville	tennessee
423	68.48.159.80	baltimore	maryland
424	68.49.111.171	aberdeen	maryland
425	68.49.156.12	baltimore	maryland
426	68.5.23.47	rancho santa margarita	california
427	68.50.128.33	washington	district of columbia
428	68.51.200.180	savannah	georgia
429	68.53.221.189	chattanooga	tennessee
430	68.54.50.122	naples	florida
431	68.54.97.61	hattiesburg	mississippi
432	68.56.104.64	sarasota	florida
433	68.57.156.244	palmyra	virginia
434	68.58.141.35	connersville	indiana
435	68.59.231.73	athens	tennessee
436	68.6.109.177	santa barbara	california
437	68.61.126.184	chicago	illinois
438	68.8.189.246	san diego	california
439	68.80.128.162	bensalem	pennsylvania
440	68.80.204.65	bensalem	pennsylvania
441	68.80.81.247	philadelphia	pennsylvania
442	68.83.73.184	brick township	new jersey
443	68.83.92.174	absecon	new jersey
444	68.84.239.126	clementon	new jersey
445	68.84.33.5	philadelphia	pennsylvania
446	68.96.196.112	las vegas	nevada
447	68.97.110.140	oklahoma city	oklahoma

Doe #	IP address	Quova city	Quova state
448	68.97.19.97	oklahoma city	oklahoma
449	68.97.85.248	oklahoma city	oklahoma
450	68.98.63.84	phoenix	arizona
451	68.98.91.102	phoenix	arizona
452	68.98.91.241	phoenix	arizona
453	68.99.131.65	phoenix	arizona
454	69.10.111.40	waynesville	missouri
455	69.104.217.223	irvine	california
456	69.108.99.19	irvine	california
457	69.112.140.239	new york	new york
458	69.112.245.178	saint james	new york
459	69.112.44.51	north bergen	new jersey
460	69.115.149.200	hamilton township (mercer)	new jersey
461	69.115.176.227	oakland	new jersey
462	69.115.66.38	sayreville	new jersey
463	69.117.164.54	coram	new york
464	69.118.143.194	white plains	new york
465	69.118.35.168	wappingers falls	new york
466	69.119.137.226	stamford	connecticut
467	69.121.166.187	huntington	new york
468	69.121.60.149	hicksville	new york
469	69.122.3.193	hicksville	new york
470	69.124.204.38	central islip	new york
471	69.125.73.182	roslyn	new york
472	69.126.230.207	piscataway	new jersey
473	69.127.205.91	brooklyn	new york
474	69.132.114.139	charlotte	north carolina
475	69.132.48.119	mooreville	north carolina
476	69.136.28.70	naples	florida
477	69.136.58.106	chattanooga	tennessee
478	69.137.198.228	naples	florida
479	69.137.212.243	garden city	michigan

Doe #	IP address	Quova city	Quova state
480	69.139.93.39	philadelphia	pennsylvania
481	69.140.108.147	churchville	maryland
482	69.141.7.94	vineland	new jersey
483	69.142.63.71	middletown	new jersey
484	69.143.201.123	germantown	maryland
485	69.146.2.64	livingston	montana
486	69.180.166.32	minneapolis	minnesota
487	69.180.70.133	jacksonville	florida
488	69.181.122.56	monterey	california
489	69.181.160.125	santa clara	california
490	69.181.169.50	hayward	california
491	69.181.239.254	napa	california
492	69.211.15.40	chicago	illinois
493	69.225.142.123	irvine	california
494	69.225.3.84	stockton	california
495	69.233.93.195	irvine	california
496	69.237.149.168	irvine	california
497	69.244.230.10	richmond	virginia
498	69.244.65.212	gaithersburg	maryland
499	69.248.58.9	union	new jersey
500	69.249.181.233	ivyland	pennsylvania
501	69.249.3.179	elizabethtown	pennsylvania
502	69.253.224.183	wallingford	pennsylvania
503	69.253.237.203	newark	delaware
504	69.254.161.61	tallahassee	florida
505	69.255.88.182	elkton	maryland
506	69.62.138.253	san jose	california
507	69.62.226.240	san jose	california
508	69.65.93.120	weston	florida
509	69.76.176.244	chicago	illinois
510	69.81.126.185	kansas city	missouri
511	70.101.114.247	rochester	new york

Doe #	IP address	Quova city	Quova state
512	70.119.112.56	orlando	florida
513	70.120.239.228	el paso	texas
514	70.136.152.68	irvine	california
515	70.162.102.195	phoenix	arizona
516	70.162.233.219	phoenix	arizona
517	70.162.81.206	phoenix	arizona
518	70.172.226.50	baton rouge	louisiana
519	70.176.141.69	phoenix	arizona
520	70.176.188.243	phoenix	arizona
521	70.177.40.157	baton rouge	louisiana
522	70.177.64.20	oklahoma city	oklahoma
523	70.178.211.170	kansas city	kansas
524	70.179.16.134	san diego	california
525	70.181.53.243	providence	rhode island
526	70.181.85.106	rancho santa margarita	california
527	70.185.227.155	oklahoma city	oklahoma
528	70.187.238.33	washington	district of columbia
529	70.19.33.102	new york	new york
530	70.190.220.226	phoenix	arizona
531	70.190.228.109	phoenix	arizona
532	70.225.173.153	champaign	illinois
533	70.254.144.142	wichita falls	texas
534	70.254.149.176	wichita falls	texas
535	70.59.70.176	minneapolis	minnesota
536	70.92.237.45	racine	wisconsin
537	71.0.149.182	orlando	florida
538	71.101.92.95	tampa	florida
539	71.104.248.172	los angeles	california
540	71.104.50.127	los angeles	california
541	71.11.168.51	spring	texas
542	71.118.34.150	los angeles	california
543	71.118.87.166	los angeles	california

Doe #	IP address	Quova city	Quova state
544	71.123.136.188	dallas	texas
545	71.13.175.239	fitchburg	wisconsin
546	71.132.207.62	pleasanton	california
547	71.160.191.58	los angeles	california
548	71.163.132.114	washington	district of columbia
549	71.163.132.214	washington	district of columbia
550	71.163.170.80	washington	district of columbia
551	71.165.237.49	los angeles	california
552	71.167.158.123	new york	new york
553	71.170.149.158	dallas	texas
554	71.170.149.62	dallas	texas
555	71.170.160.38	dallas	texas
556	71.171.112.161	culpeper	virginia
557	71.172.43.157	newark	new jersey
558	71.174.112.72	boston	massachusetts
559	71.175.193.66	philadelphia	pennsylvania
560	71.180.245.22	tampa	florida
561	71.184.97.10	boston	massachusetts
562	71.185.45.182	philadelphia	pennsylvania
563	71.187.214.23	newark	new jersey
564	71.187.50.159	newark	new jersey
565	71.189.22.41	los angeles	california
566	71.189.51.96	los angeles	california
567	71.190.164.105	new york	new york
568	71.190.183.242	new york	new york
569	71.190.207.87	new york	new york
570	71.190.214.243	new york	new york
571	71.190.254.243	new york	new york
572	71.191.163.196	washington	district of columbia
573	71.191.175.100	washington	district of columbia
574	71.191.95.80	washington	district of columbia
575	71.192.129.148	springfield	massachusetts

Doe #	IP address	Quova city	Quova state
576	71.192.165.111	new haven	connecticut
577	71.193.1.85	sacramento	california
578	71.194.123.218	mount prospect	illinois
579	71.194.25.201	chicago	illinois
580	71.194.61.1	mount prospect	illinois
581	71.195.108.129	fresno	california
582	71.195.97.181	reedley	california
583	71.196.73.95	kendall	florida
584	71.197.54.89	saint augustine	florida
585	71.197.85.229	sacramento	california
586	71.198.106.220	hayward	california
587	71.198.106.82	hayward	california
588	71.198.144.225	san francisco	california
589	71.198.92.30	san jose	california
590	71.202.122.52	san francisco	california
591	71.202.144.200	san mateo	california
592	71.202.31.212	san jose	california
593	71.203.84.45	apopka	florida
594	71.204.135.43	pinole	california
595	71.204.190.93	pinole	california
596	71.204.71.82	lithonia	georgia
597	71.205.133.9	grand rapids	michigan
598	71.206.246.87	pittsburgh	pennsylvania
599	71.207.144.97	richmond	virginia
600	71.207.158.218	midlothian	virginia
601	71.207.222.195	huntsville	alabama
602	71.207.228.6	huntsville	alabama
603	71.207.240.230	florence	alabama
604	71.207.48.246	fairview village (montgomery)	pennsylvania
605	71.21.24.31	los angeles	california
606	71.210.151.46	minneapolis	minnesota

Doe #	IP address	Quova city	Quova state
607	71.221.146.168	boise	idaho
608	71.222.184.99	albuquerque	new mexico
609	71.222.230.40	albuquerque	new mexico
610	71.226.108.61	charlotte	north carolina
611	71.228.183.113	florence	alabama
612	71.229.30.249	miccosukee	florida
613	71.23.254.56	philadelphia	pennsylvania
614	71.230.113.99	philadelphia	pennsylvania
615	71.231.241.97	tacoma	washington
616	71.232.75.129	gardner	massachusetts
617	71.233.217.45	north stonington	connecticut
618	71.233.234.18	montague	massachusetts
619	71.233.242.66	beverly	massachusetts
620	71.233.60.153	sterling	massachusetts
621	71.235.27.38	fall river	massachusetts
622	71.235.62.160	hamden	connecticut
623	71.236.84.242	pittsburgh	pennsylvania
624	71.238.177.223	flint	michigan
625	71.238.78.198	chelsea	michigan
626	71.239.147.123	griffith	indiana
627	71.239.147.197	griffith	indiana
628	71.239.8.67	elmhurst	illinois
629	71.241.255.10	washington	district of columbia
630	71.243.241.102	tampa	florida
631	71.244.31.97	dallas	texas
632	71.246.9.4	philadelphia	pennsylvania
633	71.252.231.217	dallas	texas
634	71.252.251.101	dallas	texas
635	71.34.246.229	eugene	oregon
636	71.37.98.165	salt lake city	utah
637	71.38.237.64	salt lake city	utah
638	71.45.136.106	birmingham	alabama

Doe #	IP address	Quova city	Quova state
639	71.45.8.78	birmingham	alabama
640	71.56.211.203	aurora	colorado
641	71.57.161.4	pompano beach	florida
642	71.57.72.226	elmhurst	illinois
643	71.60.120.154	monroeville	pennsylvania
644	71.62.227.45	winchester	virginia
645	71.63.55.141	spotsylvania courthouse	virginia
646	71.65.209.132	raleigh	north carolina
647	71.76.234.117	greensboro	north carolina
648	71.83.189.199	long beach	california
649	71.93.123.211	monterey park	california
650	71.96.60.137	dallas	texas
651	72.10.93.210	statesboro	georgia
652	72.152.144.45	atlanta	georgia
653	72.152.151.243	atlanta	georgia
654	72.185.122.82	tampa	florida
655	72.187.232.160	tampa	florida
656	72.188.216.56	orlando	florida
657	72.188.247.18	orlando	florida
658	72.192.89.95	tulsa	oklahoma
659	72.193.127.165	las vegas	nevada
660	72.193.152.131	las vegas	nevada
661	72.193.244.100	las vegas	nevada
662	72.193.44.185	las vegas	nevada
663	72.195.143.206	providence	rhode island
664	72.197.90.188	san diego	california
665	72.197.94.204	san diego	california
666	72.198.212.131	omaha	nebraska
667	72.199.108.227	san diego	california
668	72.199.121.223	san diego	california
669	72.199.16.170	san diego	california
670	72.199.46.186	san diego	california

Doe #	IP address	Quova city	Quova state
671	72.199.68.7	san diego	california
672	72.200.162.146	cranston	rhode island
673	72.200.66.167	tucson	arizona
674	72.203.143.109	baton rouge	louisiana
675	72.204.8.163	kansas city	kansas
676	72.207.100.30	san diego	california
677	72.207.64.188	san diego	california
678	72.207.67.25	san diego	california
679	72.208.100.75	phoenix	arizona
680	72.208.162.237	phoenix	arizona
681	72.208.74.172	phoenix	arizona
682	72.209.182.127	kansas city	kansas
683	72.210.64.243	macon	georgia
684	72.211.246.139	rancho santa margarita	california
685	72.218.200.42	norfolk	virginia
686	72.219.153.239	rancho santa margarita	california
687	72.219.177.139	rancho santa margarita	california
688	72.220.159.31	san diego	california
689	72.220.224.91	el centro	california
690	72.23.242.10	butler	pennsylvania
691	72.234.255.168	honolulu	hawaii
692	72.240.102.50	toledo	ohio
693	72.240.120.195	toledo	ohio
694	72.251.170.165	mattoon	illinois
695	72.253.236.51	hana	hawaii
696	72.28.183.242	aiken	south carolina
697	72.28.218.241	miami	florida
698	72.28.236.170	aiken	south carolina
699	72.47.103.85	fort sill	oklahoma
700	72.64.76.218	dallas	texas
701	72.64.98.251	dallas	texas
702	72.66.26.128	washington	district of columbia

Doe #	IP address	Quova city	Quova state
703	72.68.79.76	newark	new jersey
704	72.70.32.102	boston	massachusetts
705	72.80.226.26	new york	new york
706	72.80.230.16	new york	new york
707	72.82.229.118	camden	new jersey
708	72.86.44.31	culpeper	virginia
709	72.88.84.251	buffalo	new york
710	72.89.216.89	new york	new york
711	72.89.95.20	new york	new york
712	72.91.20.194	tampa	florida
713	72.93.251.51	boston	massachusetts
714	74.100.148.45	los angeles	california
715	74.100.21.70	los angeles	california
716	74.101.114.243	new york	new york
717	74.103.62.221	baltimore	maryland
718	74.105.171.32	newark	new jersey
719	74.105.4.57	newark	new jersey
720	74.107.90.191	baltimore	maryland
721	74.110.55.64	buffalo	new york
722	74.160.16.201	atlanta	georgia
723	74.167.127.145	orlando	florida
724	74.184.235.40	atlanta	georgia
725	74.193.68.236	georgetown	texas
726	74.194.217.159	georgetown	texas
727	74.195.230.132	stillwater	oklahoma
728	74.197.154.138	rocky mount	north carolina
729	74.211.44.186	newark	new jersey
730	74.37.179.194	rochester	new york
731	74.44.75.213	rochester	new york
732	74.60.119.138	houston	texas
733	74.61.77.4	houston	texas
734	74.69.245.215	moultonborough	new hampshire

Doe #	IP address	Quova city	Quova state
735	74.71.241.33	syracuse	new york
736	74.72.218.221	new york	new york
737	74.72.89.248	new york	new york
738	74.73.150.245	new york	new york
739	74.84.75.165	middletown	new york
740	74.88.195.109	yonkers	new york
741	74.88.67.37	bronx	new york
742	74.90.199.78	saint james	new york
743	74.96.183.190	washington	district of columbia
744	74.97.176.253	providence	rhode island
745	74.97.42.121	providence	rhode island
746	75.0.232.229	corpus christi	texas
747	75.118.52.175	columbus	ohio
748	75.132.145.142	saint louis	missouri
749	75.134.21.84	madison	wisconsin
750	75.138.115.252	asheville	north carolina
751	75.14.2.68	harlingen	texas
752	75.141.128.173	fort worth	texas
753	75.142.109.34	monterey park	california
754	75.142.255.101	reno	nevada
755	75.165.55.21	tukwila	washington
756	75.182.48.42	columbia	south carolina
757	75.185.62.173	zanesville	ohio
758	75.186.136.66	greenville	ohio
759	75.210.39.51	roseville	california
760	75.211.220.138	sacramento	california
761	75.22.68.81	irvine	california
762	75.26.248.16	wheeling	illinois
763	75.36.124.237	irvine	california
764	75.36.230.96	pleasanton	california
765	75.36.52.39	san diego	california
766	75.64.144.222	memphis	tennessee

Doe #	IP address	Quova city	Quova state
767	75.64.54.172	tupelo	mississippi
768	75.66.199.49	memphis	tennessee
769	75.68.224.104	lawrence	massachusetts
770	75.70.167.184	colorado springs	colorado
771	75.71.108.79	greeley	colorado
772	75.71.11.40	colorado springs	colorado
773	75.71.90.6	aurora	colorado
774	75.72.231.36	minneapolis	minnesota
775	75.72.88.75	minneapolis	minnesota
776	75.73.109.71	eden prairie	minnesota
777	75.75.50.9	martinsville	virginia
778	75.76.62.89	pinellas park	florida
779	75.87.134.208	kansas city	missouri
780	75.89.36.80	cleveland	georgia
781	75.97.115.19	east stroudsburg	pennsylvania
782	76.101.6.60	naples	florida
783	76.102.172.177	san jose	california
784	76.103.153.102	oakland	california
785	76.103.195.141	napa	california
786	76.103.35.30	walnut creek	california
787	76.103.83.182	hayward	california
788	76.104.142.41	tacoma	washington
789	76.104.8.86	sterling	virginia
790	76.105.2.124	sacramento	california
791	76.105.216.221	eugene	oregon
792	76.105.65.99	cartersville	georgia
793	76.106.86.207	waldorf	maryland
794	76.107.202.103	clinton	mississippi
795	76.107.66.60	monroe	louisiana
796	76.108.134.146	lakeland	florida
797	76.109.235.98	miami	florida
798	76.109.247.29	coral gables	florida

Doe #	IP address	Quova city	Quova state
799	76.111.10.169	woodlawn	maryland
800	76.111.104.137	silver spring	maryland
801	76.111.221.216	stuart	florida
802	76.111.99.158	silver spring	maryland
803	76.112.163.12	chelsea	michigan
804	76.112.222.71	royal oak	michigan
805	76.113.21.201	albuquerque	new mexico
806	76.114.44.159	sacramento	california
807	76.116.17.164	burlington	new jersey
808	76.116.188.58	clementon	new jersey
809	76.117.116.88	woodbury	new jersey
810	76.118.214.36	rehoboth	massachusetts
811	76.119.204.167	rehoboth	massachusetts
812	76.119.5.142	springfield	massachusetts
813	76.121.41.3	everett	washington
814	76.122.249.225	knoxville	tennessee
815	76.123.160.236	hattiesburg	mississippi
816	76.124.128.250	lansdale	pennsylvania
817	76.124.154.150	norristown	pennsylvania
818	76.126.20.76	walnut creek	california
819	76.127.222.198	danbury	connecticut
820	76.14.179.74	west sacramento	california
821	76.14.98.45	rocklin	california
822	76.16.137.143	west chicago	illinois
823	76.16.30.250	chicago	illinois
824	76.17.209.17	ham lake	minnesota
825	76.187.28.73	garland	texas
826	76.194.210.162	los angeles	california
827	76.20.15.114	sacramento	california
828	76.20.62.66	davis	california
829	76.208.30.53	south bend	indiana
830	76.21.120.88	san jose	california

Doe #	IP address	Quova city	Quova state
831	76.21.88.34	pinole	california
832	76.21.88.53	pinole	california
833	76.22.66.120	seattle	washington
834	76.226.40.26	southfield	michigan
835	76.227.238.60	frisco	texas
836	76.23.17.158	salt lake city	utah
837	76.23.195.179	brunswick	maine
838	76.23.245.33	needham	massachusetts
839	76.230.129.207	pleasanton	california
840	76.231.138.127	saginaw	michigan
841	76.233.21.223	santa ana	california
842	76.241.115.132	brecksville	ohio
843	76.241.126.151	brecksville	ohio
844	76.25.33.239	englewood	colorado
845	76.26.128.223	lake ridge	virginia
846	76.26.24.190	davie	florida
847	76.26.27.142	davie	florida
848	76.26.34.27	davie	florida
849	76.26.35.211	davie	florida
850	76.26.36.6	davie	florida
851	76.26.38.207	davie	florida
852	76.27.127.248	salt lake city	utah
853	76.27.57.146	ogden	utah
854	76.28.168.235	ferndale	washington
855	76.29.199.32	savannah	georgia
856	76.29.65.198	elmhurst	illinois
857	76.30.133.75	sugar land	texas
858	76.30.243.12	houston	texas
859	76.31.195.254	houston	texas
860	76.4.175.139	warrensburg	missouri
861	76.73.1.186	denver	colorado
862	76.73.44.162	denver	colorado

Doe #	IP address	Quova city	Quova state
863	76.78.10.54	albany	new york
864	76.84.244.35	auburn	nebraska
865	76.89.23.109	clarksburg	west virginia
866	76.89.31.56	clarksburg	west virginia
867	76.93.103.97	brentwood (contra costa)	california
868	76.93.65.70	van nuys	california
869	76.93.90.230	van nuys	california
870	76.94.172.206	brentwood (los angeles)	california
871	76.95.141.125	glendale	california
872	76.95.216.93	ontario	california
873	76.99.194.130	wilmington	delaware
874	96.19.28.169	biloxi	mississippi
875	96.225.174.210	norfolk	virginia
876	96.226.195.195	dallas	texas
877	96.231.155.185	washington	district of columbia
878	96.232.164.69	new york	new york
879	96.234.49.80	newark	new jersey
880	96.234.74.164	newark	new jersey
881	96.235.36.172	pittsburgh	pennsylvania
882	96.238.32.243	providence	rhode island
883	96.241.18.179	washington	district of columbia
884	96.242.26.99	newark	new jersey
885	96.243.199.119	tampa	florida
886	96.244.226.52	baltimore	maryland
887	96.244.229.175	baltimore	maryland
888	96.245.227.67	philadelphia	pennsylvania
889	96.246.49.71	new york	new york
890	96.246.50.51	new york	new york
891	96.247.126.57	los angeles	california
892	96.248.87.112	camden	new jersey
893	96.249.153.79	harrisburg	pennsylvania
894	96.250.229.36	new york	new york

Doe #	IP address	Quova city	Quova state
895	96.250.84.29	new york	new york
896	96.252.177.62	tampa	florida
897	96.252.72.188	boston	massachusetts
898	96.253.55.2	providence	rhode island
899	96.255.12.54	washington	district of columbia
900	96.255.229.238	washington	district of columbia
901	96.255.43.96	washington	district of columbia
902	96.255.71.5	washington	district of columbia
903	96.26.216.165	las vegas	nevada
904	96.26.5.28	dallas	texas
905	96.27.34.119	naperville	illinois
906	96.37.216.62	leeds	alabama
907	96.41.33.40	monterey park	california
908	96.41.5.218	monterey park	california
909	96.44.21.121	abilene	texas
910	96.8.252.107	new braunfels	texas
911	97.117.82.9	salt lake city	utah
912	97.88.148.22	marquette	michigan
913	97.90.17.89	monterey park	california
914	97.97.133.111	tampa	florida
915	98.109.136.203	newark	new jersey
916	98.109.136.251	newark	new jersey
917	98.109.157.32	newark	new jersey
918	98.109.176.235	newark	new jersey
919	98.109.8.5	newark	new jersey
920	98.109.90.248	newark	new jersey
921	98.110.55.81	camden	new jersey
922	98.111.118.218	harrisburg	pennsylvania
923	98.111.219.17	pittsburgh	pennsylvania
924	98.112.223.95	los angeles	california
925	98.113.162.195	newark	new jersey
926	98.114.11.138	philadelphia	pennsylvania

Doe #	IP address	Quova city	Quova state
927	98.114.173.209	philadelphia	pennsylvania
928	98.116.75.70	new york	new york
929	98.116.99.249	new york	new york
930	98.117.87.171	richmond	virginia
931	98.118.249.119	culpeper	virginia
932	98.118.7.119	boston	massachusetts
933	98.119.191.94	los angeles	california
934	98.119.196.35	los angeles	california
935	98.122.68.47	columbia	south carolina
936	98.122.83.202	columbia	south carolina
937	98.145.117.162	moscow	idaho
938	98.155.239.121	mililani	hawaii
939	98.159.22.3	millington	tennessee
940	98.159.82.99	sherman oaks	california
941	98.160.197.254	las vegas	nevada
942	98.161.60.242	omaha	nebraska
943	98.164.209.134	rancho santa margarita	california
944	98.165.70.252	phoenix	arizona
945	98.169.126.4	merrifield	virginia
946	98.169.87.188	merrifield	virginia
947	98.17.167.250	atlanta	georgia
948	98.171.179.28	santa barbara	california
949	98.176.253.112	san diego	california
950	98.176.254.227	san diego	california
951	98.178.205.251	new orleans	louisiana
952	98.18.198.75	atlanta	georgia
953	98.180.47.34	gainesville	florida
954	98.183.159.175	norfolk	virginia
955	98.192.148.48	panama city	florida
956	98.195.137.223	pasadena	texas
957	98.195.96.86	alvin	texas
958	98.196.191.97	alief	texas

Doe #	IP address	Quova city	Quova state
959	98.196.244.213	league city	texas
960	98.196.3.237	conroe	texas
961	98.197.57.133	houston	texas
962	98.198.102.126	sugar land	texas
963	98.199.23.35	pearland	texas
964	98.199.37.88	houston	texas
965	98.200.106.4	houston	texas
966	98.201.123.156	houston	texas
967	98.201.137.126	houston	texas
968	98.201.27.75	baytown	texas
969	98.201.33.36	baytown	texas
970	98.201.90.145	houston	texas
971	98.202.1.221	salt lake city	utah
972	98.202.118.39	orem	utah
973	98.202.213.156	salt lake city	utah
974	98.203.197.160	seattle	washington
975	98.203.94.37	north miami beach	florida
976	98.206.141.139	morton grove	illinois
977	98.207.233.42	santa clara	california
978	98.207.73.122	san francisco	california
979	98.207.74.245	rohnert park	california
980	98.207.8.99	windsor	california
981	98.209.122.89	waterford	michigan
982	98.210.178.28	san jose	california
983	98.210.230.191	san francisco	california
984	98.211.178.198	davie	florida
985	98.212.120.26	chicago	illinois
986	98.213.10.174	chicago	illinois
987	98.214.125.53	peoria	illinois
988	98.215.21.150	decatur	illinois
989	98.216.232.79	waterbury	connecticut
990	98.218.76.107	mount airy	maryland

Doe #	IP address	Quova city	Quova state
991	98.218.86.165	alexandria	virginia
992	98.219.151.205	east liverpool	ohio
993	98.220.36.140	elkhart	indiana
994	98.220.36.151	elkhart	indiana
995	98.221.24.11	hillsborough	new jersey
996	98.221.96.212	enola	pennsylvania
997	98.223.130.25	chicago	illinois
998	98.224.64.227	hanford	california
999	98.227.169.112	elmhurst	illinois
1000	98.227.214.35	griffith	indiana
1001	98.227.58.4	monticello	indiana
1002	98.229.0.40	williston	vermont
1003	98.229.249.216	sterling	massachusetts
1004	98.230.193.125	albuquerque	new mexico
1005	98.230.65.39	mobile	alabama
1006	98.232.218.4	corvallis	oregon
1007	98.232.55.65	burien	washington
1008	98.234.165.71	fairfield	california
1009	98.234.200.149	pittsburg	california
1010	98.234.64.220	santa clara	california
1011	98.235.129.105	hershey	pennsylvania
1012	98.235.19.243	gettysburg	pennsylvania
1013	98.236.14.71	carnegie	pennsylvania
1014	98.236.6.223	pittsburgh	pennsylvania
1015	98.238.140.190	sacramento	california
1016	98.238.179.242	sacramento	california
1017	98.239.101.226	hanford	california
1018	98.239.81.154	fresno	california
1019	98.240.29.174	memphis	tennessee
1020	98.240.83.17	nashville	tennessee
1021	98.242.45.194	fresno	california
1022	98.243.211.253	holt	michigan

Doe #	IP address	Quova city	Quova state
1023	98.243.45.51	jackson	michigan
1024	98.244.38.20	sacramento	california
1025	98.245.129.72	colorado springs	colorado
1026	98.245.39.197	arvada	colorado
1027	98.246.6.140	portland	oregon
1028	98.247.14.105	tacoma	washington
1029	98.248.252.126	san francisco	california
1030	98.249.254.151	pompano beach	florida
1031	98.250.116.237	dearborn	michigan
1032	98.251.144.226	olive branch	mississippi
1033	98.252.214.137	powder springs	georgia
1034	98.252.68.80	sacramento	california
1035	98.253.138.168	mchenry	illinois
1036	98.254.115.149	delray beach	florida
1037	98.254.145.123	homestead	florida
1038	98.254.246.71	north miami beach	florida
1039	98.65.200.98	knoxville	tennessee
1040	98.67.241.203	shreveport	louisiana
1041	98.83.163.85	birmingham	alabama
1042	98.92.109.38	atlanta	georgia
1043	99.106.122.229	topeka	kansas
1044	99.106.6.44	elmhurst	illinois
1045	99.114.167.103	oklahoma city	oklahoma
1046	99.120.72.103	santa clara	california
1047	99.132.121.93	saginaw	michigan
1048	99.139.214.166	appleton	wisconsin
1049	99.189.53.143	little rock	arkansas
1050	99.194.102.122	hinesville	georgia
1051	99.25.116.51	pleasanton	california
1052	99.3.102.111	fresno	california
1053	99.3.20.248	brecksville	ohio
1054	99.57.110.147	elmhurst	illinois

Doe #	IP address	Quova city	Quova state
1055	99.71.66.83	austin	texas
1056	99.75.95.158	santa clara	california
1057	99.8.38.181	richardson	texas
1058	99.99.75.227	charlotte	north carolina

CERTIFICATE OF SERVICE

The undersigned hereby certifies that on March 13, 2012, I caused a true copy of the foregoing to be served upon the following individuals by U.S. First Class Mail, postage prepaid:

Paul A. Duffy
PRENDA LAW INC.
161 N. Clark Street, Suite 3200
Chicago, IL 60601
Tel : (312) 880-9160
Fax: (312) 893-5677
Email: paduffy@wefightpiracy.com
Attorney for Plaintiff AF HOLDINGS LLC

Timothy A. O'Brien
MORRISON & FOERSTER
2000 Pennsylvania Avenue, NW
Washington, DC 20006
Tel: (202) 887-1500
Email: tobrien@mofocom

Attorney for Interested Parties
COX COMMUNICATIONS, INC.,
VERIZON ONLINE LLC, and
BRIGHT HOUSE NETWORKS LLC

Bradley C. Weber
LOCKE LORD LLP
2200 Ross Avenue
Dallas, TX 75201-6776
Tel: (214) 749-8000
Email: bweber@lockelord.com

Attorney for Interested Party
SBC INTERNET SERVICES, INC.
doing business as AT&T INTERNET

SERVICES

John David Seiver
DAVIS WRIGHT TREMAINE, LLP
1919 Pennsylvania Avenue, N.W., Suite 800
Washington, DC 20006
Tel: (202) 973-4200
Email: johnseiver@dwt.com

Leslie Gallagher Moylan
DAVIS WRIGHT TREMAINE, LLP
1919 Pennsylvania Avenue, NW, Suite 200
Washington, DC 20006-3402
Tel: (202) 973-4216
Email: lesliemoylan@dwt.com

Attorneys for Interested Party
COMCAST CABLE COMMUNICATIONS
LLC

Thomas P. Hartnett
THE LAW OFFICE OF THOMAS P.
HARTNETT
1310 Pennsylvania Avenue, SE
Washington, DC 20003
Tel: (202) 966-0066
Email: thartnett@tphatt.com

Attorney for Interested Party
ANDREW FIGNAR, JR.

/s/ Mitchell L. Stoltz
MITCHELL L. STOLTZ