

ID	MD5		# behaviors		rate of new de-fuses		rate of new behaviors		API count		new de-use rate		new behavior rate			
	DueForce	PMP	BDA *	DueForce	PMP	BDA *	DueForce	PMP	BDA *	DueForce	PMP	BDA *	DueForce	PMP	BDA *	
1	15c4ac69654129e15681d5f269c56da	76	54	N/A	1.000	1.000	N/A	0.600	0.500	N/A	68	66	N/A	0.615	0.153	N/A
2	1281a4ac2f82c470d149ddca57cbe68d	226	146	N/A	0.858	0.760	N/A	0.304	0.141	N/A	170	141	N/A	0.470	0.264	N/A
3	030144cd8b7eb055ad40d4c14d8973ab1b	264	108	N/A	0.771	0.708	N/A	0.400	0.125	N/A	245	141	N/A	0.875	0.458	N/A
4	030414ebd73de8ee098182248c6ea3e	99	93	N/A	0.791	0.263	N/A	0.333	0.263	N/A	99	97	N/A	0.375	0.233	N/A
5	0f5d4d0c96047485f7b71d146b9941322	99	91	N/A	0.416	0.176	N/A	0.333	0.294	N/A	173	146	N/A	0.490	0.301	N/A
6	0aa2c68bea82206ace90ae7f370b1ad1	99	76	N/A	0.833	0.142	N/A	0.333	0.285	N/A	99	71	N/A	0.541	0.250	N/A
7	02461cb7a73187e1f849e08082e8b15d2	225	92	N/A	0.778	0.767	N/A	0.212	0.121	N/A	168	155	N/A	1.000	0.315	N/A
8	28f6e905eb0200050e7c1122e991b365	95	71	N/A	0.764	0.666	N/A	0.411	0.333	N/A	250	110	N/A	0.703	0.444	N/A
9	11e984d00523b4f5b5d87f14b8b867d7063	115	111	N/A	0.400	0.166	N/A	0.400	0.166	N/A	99	97	N/A	1.000	0.366	N/A
10	1e37f6981982527d1c957b9f0843c38cc	154	106	N/A	0.607	0.600	N/A	0.392	0.200	N/A	223	94	N/A	0.489	0.001	N/A
11	11779ae011028e27c7e957b9f0843c38cc	68	66	N/A	0.900	0.384	N/A	0.300	0.153	N/A	76	47	N/A	0.400	0.001	N/A
12	100c468041b6a836b9bbaef520c3e624	68	66	N/A	1.000	0.615	N/A	0.300	0.153	N/A	114	114	N/A	0.666	0.511	N/A
13	065cab8521905a81146c3334108639b	165	159	N/A	0.913	0.845	N/A	0.204	0.138	N/A	185c	195	N/A	0.600	0.521	N/A
14	14ee337351936a396d31a02a3c6f567f5	99	97	N/A	0.958	0.793	N/A	0.333	0.275	N/A	280	92	N/A	0.871	0.727	N/A
15	125b5621edc3ae1f517aa71bbab21dbb1a	68	66	N/A	0.700	0.307	N/A	0.300	0.153	N/A	161	106	N/A	0.836	0.333	N/A
16	100dc09352c546d5fied19f0ba8c649	68	66	N/A	0.900	0.384	N/A	0.300	0.153	N/A	68	66	N/A	0.400	0.153	N/A
17	000cb3460b05f7d6d13a11fcaad12	99	95	N/A	0.958	0.476	N/A	0.333	0.285	N/A	99	91	N/A	1.000	0.352	N/A
18	152b6c43ac6e07d6429e63a7f3158483	206	158	N/A	0.552	0.295	N/A	0.289	0.208	N/A	249	107	N/A	0.858	0.166	N/A
19	17407b7e2439143474c04e7f6b01d955	70	66	N/A	0.600	0.600	N/A	0.600	0.200	N/A	95	71	N/A	0.450	0.333	N/A
20	1c4c93f58c8d31bf7d1fd0a9e91d25ec	212	92	N/A	0.602	0.585	N/A	0.277	0.121	N/A	312	108	N/A	0.840	0.310	N/A
21	1737c7d1900b03de848a4e604b2312540	68	62	N/A	0.600	0.250	N/A	0.300	0.250	N/A	95	84	N/A	0.722	0.388	N/A
22	12f6303ac69873c4e0f4a78756aefc	223	88	N/A	0.793	0.360	N/A	0.304	0.150	N/A	68	66	N/A	0.500	0.230	N/A
23	0d033ab96941b8365c5e506f91abae3e	229	86	N/A	0.937	0.769	N/A	0.687	0.153	N/A	150	146	N/A	0.946	0.871	N/A
24	0543a3af7725899157c33c7f9aafcd58	148	133	N/A	0.325	0.279	N/A	0.180	0.132	N/A	223	94	N/A	0.583	0.250	N/A
25	10f0bc3ad550a33f759a29965f9a1adf	68	66	N/A	0.500	0.307	N/A	0.300	0.153	N/A	93	89	N/A	0.857	0.730	N/A
26	09bea0eb3c2d1df17eal21801bdcdd482	68	66	N/A	0.700	0.538	N/A	0.300	0.153	N/A	99	69	N/A	0.541	0.333	N/A
27	04f22d4841d4506c5e85a9b6a39c28b3	212	92	N/A	0.750	0.300	N/A	0.500	0.200	N/A	179	107	N/A	0.983	0.750	N/A
28	0a306e255b84d87094c6a13f55e846	209	91	N/A	0.583	0.312	N/A	0.333	0.312	N/A	188	183	N/A	0.634	0.427	N/A
29	11eb6952c7f46d222c89c3e0b5fadac442	237	200	N/A	0.833	0.707	N/A	0.241	0.103	N/A	263	134	N/A	0.685	0.197	N/A
30	1a5b3a004e9952d5769af7f39ac	458	241	N/A	0.898	0.854	N/A	0.545	0.437	N/A	206	133	N/A	0.581	0.221	N/A
31	11508a3daf1e0a3b6c7d18be1956283ee	68	66	N/A	0.400	0.307	N/A	0.300	0.153	N/A	68	66	N/A	0.700	0.307	N/A
32	1c3499f6c815ecf51fd63831e967bc	74	65	N/A	0.750	0.666	N/A	0.375	0.333	N/A	255	108	N/A	0.666	0.181	N/A
33	1323c9b60179eca3cc01dfa80ae9281	213	107	N/A	0.359	0.142	N/A	0.303	0.071	N/A	213	92	N/A	0.991	0.666	N/A
34	045eb9e9c5212b2cf4d793c42f7bd43	99	95	N/A	0.791	0.440	N/A	0.333	0.240	N/A	68	66	N/A	0.500	0.230	N/A
35	05642eband49390570925725b4af191e	68	66	N/A	0.500	0.153	N/A	0.300	0.153	N/A	68	66	N/A	0.400	0.384	N/A
36	17a2bd37205af0412dd113707f9d8ab7	99	95	N/A	0.708	0.200	N/A	0.333	0.300	N/A	99	71	N/A	0.666	0.142	N/A
37	06ee901dc6cf4d701af4955217dc226	244	136	N/A	0.583	0.363	N/A	0.458	0.142	N/A	99	84	N/A	0.541	0.466	N/A
38	140e77f9638c22bd8a9e66681b8701c2	140	117	N/A	0.870	0.476	N/A	0.290	0.076	N/A	68	66	N/A	0.800	0.538	N/A
39	230f55d41a5c2ed4a556b27f3c0ba80	204	154	N/A	0.469	0.444	N/A	0.257	0.188	N/A	228	158	N/A	0.768	0.282	N/A
40	01a12b7a784ae5c31e8a94055b913268	231	92	N/A	0.792	0.757	N/A	0.162	0.121	N/A	68	66	N/A	0.400	0.153	N/A
41	0a96a819d7f6d4027989c958ea767	210	137	N/A	0.406	0.246	N/A	0.308	0.150	N/A	99	95	N/A	0.416	0.391	N/A
42	1ff1a002e84c97859a35a2d3b9a33976b	212	107	N/A	0.615	0.187	N/A	0.274	0.125	N/A	68	66	N/A	0.500	0.230	N/A
43	11e069eb3517abc08d50a3a096c23e94	198	178	N/A	0.950	0.427	N/A	0.876	0.873	N/A	223	147	N/A	0.858	0.391	N/A
44	0f8311c3d9aace66c242b4b716b7a	215	127	N/A	0.967	0.341	N/A	0.293	0.088	N/A	224	107	N/A	0.652	0.363	N/A
45	1450814db18a725dc5b82d7f918f74f331	162	108	N/A	0.360	0.333	N/A	0.520	0.047	N/A	99	93	N/A	0.791	0.750	N/A
46	0b79c853e4dc9f205e8c1a04ad4b94	212	66	N/A	0.562	0.400	N/A	0.437	0.200	N/A	68	66	N/A	0.700	0.230	N/A
47	04f8fb7e204224d4b6a73f75a5f0091da4	68	66	N/A	1.000	0.615	N/A	0.300	0.153	N/A	243	127	N/A	0.629	0.582	N/A
48	009b4d0a15106a3e590c33b883395d	319	114	N/A	0.763	0.280	N/A	0.322	0.070	N/A	223	107	N/A	0.815	0.111	N/A
49	0c6bf7900ae4548833bb85883395d	68	66	N/A	0.700	0.538	N/A	0.300	0.153	N/A	99	69	N/A	1.000	0.750	N/A
50	007bd61a49d0a020297103f6e19b6dfa	99	95	N/A	0.583	0.538	N/A	0.333	0.230	N/A	68	66	N/A	0.900	0.615	N/A

ID	# behaviors		rate of new def-us		rate of new behaviors		MD5	
			DueForce	PMP	DueForce	PMP		
101	ed62ce1a406b2a0b9dd6d79c4a3572b6	59	2	0.789	0.013	0.005	0.120	0.001
102	210e4243c8cd87499ce7cau4076d433	36	35	16	0.857	0.545	0.375	0.500
103	57b1f191b59aad9a1c566940db4d46a	166	67	25	0.667	0.285	0.125	1.000
104	28c866843a9462113eb26aeff1024db08	46	36	11	0.729	0.595	0.254	0.200
105	360d923cf1792151e6540ca38b3d6d19	34	34	9	0.800	0.384	0.181	0.600
106	0d874ba34cd4bdf14fc2ca0117cc8e2	135	68	23	0.519	0.340	0.136	0.073
107	ab2b936ce95da91789ca802ce4948ef	41	41	27	0.333	0.285	0.119	0.428
108	36a332f5a8cd0581df437fa67ecc06cf	176	58	18	0.563	0.553	0.225	0.109
109	faf8eb454b37401bb0476428a3ae8445	30	30	16	0.750	0.400	0.250	0.500
110	1757931314995e2bfa75a703562debf	73	82	57	0.734	0.490	0.222	0.667
111	705df7bc13a31c1bb6c79735455fda08	50	47	23	0.667	0.187	0.142	0.750
112	09e4b26df6b499a81453766c17226106	36	35	13	0.833	0.545	0.272	0.250
113	0c1aa91e8cae4352eb16d993f17c0da2b	48	39	14	0.679	0.531	0.270	0.267
114	113c079464639b4a12826b42c1d96ae7	62	68	55	0.727	0.417	0.211	0.429
115	d7d73062d2defe111b6ba3bd45e4e18	46	36	18	0.668	0.619	0.270	0.143
116	96804156396bce25d49c4ea4f058d569	37	37	24	0.818	0.500	0.312	0.545
117	3decf1b4e5e821c159e051a04bf0452	57	42	33	0.781	0.426	0.196	0.333
118	a4eeef76f4c90fb8065800d4cad391df	136	40	22	0.500	0.285	0.142	1.000
119	22dc1db1a87671727cca37c21d31655	131	103	5	0.720	0.140	0.057	0.036
120	6025e14c04a7c35e8a049885f035b97b	42	30	19	0.731	0.005	0.002	0.129
121	eb0477445f9c5f1a5b6689bfb941e	131	102	21	0.159	0.137	0.065	0.500
122	b8f6db7360dd2411fcbcd80cf77b7575	50	39	28	0.677	0.492	0.206	0.107
123	b4088daeb311c2489a20b5ce223bce9	43	42	23	0.778	0.533	0.250	0.667
124	dff09a1a31fadad518a6f760c3cfbd17	135	39	21	0.500	0.285	0.250	0.999
125	42494d07b45eab1bd32494cdcb4d67b	35	35	15	0.800	0.545	0.230	0.500
126	898d866a3f142660752835969035e9e	31	31	12	0.600	0.444	0.222	0.600
127	ec673fed52823da1ebae7f019e242382	50	36	21	0.733	0.005	0.002	0.990
128	c63ceff04d931d8171d0c40b75f58569	51	31	12	0.697	0.004	0.001	1.004
129	a8cd638e13b1848f347fc724e9386ea8	83	45	27	0.696	0.415	0.213	0.278
130	9d2b507212c19a9dcf95168745e793ca	174	170	102	0.427	0.415	0.188	0.400
131	0b855d846a3c8a8d5fd6931570e02ae	38	37	6	0.833	0.500	0.250	0.500
132	057857302490521bd52425a141bbdbfb	64	73	33	0.895	0.435	0.217	0.156
133	5cf16110f21b801231577e85bf81a78f1	36	35	11	0.833	0.545	0.272	0.333
134	a71079102cf6703a9402f72eece9825	33	33	26	0.875	0.571	0.333	0.875
135	582f47ec975b0ba8cafe5a39cccb5d52	64	61	18	0.765	0.388	0.157	0.308
136	179c7648b6607147973c2fcbcc0c530	51	48	38	0.695	0.487	0.244	0.148
137	3fb857173602653861b4d0547a49b395	61	65	51	0.628	0.493	0.201	0.203
138	b754622e816b62281402b86875f69ccf	49	49	27	0.667	0.341	0.194	0.667
139	d04a492a5b178516a7a36cc2e1e8bf521	140	128	8	0.177	0.152	0.072	0.072
140	08a8b6111b6b3d574036cf10e787063	55	56	33	0.735	0.450	0.180	0.179
141	23e42760532270113de5f9b7346cdf0	58	47	42	0.751	0.402	0.165	0.500
142	ec3de1355a2056a7eb5e799b5e989d0b	37	37	7	0.333	0.214	0.133	0.333
143	df89ec7cd1de78957ea800df63d66051	112	67	17	0.446	0.380	0.192	0.250
144	ab4f0eb4c38fbf809b5786d52b38ea318	95	69	18	0.572	0.393	0.199	0.121
145	0d186ccf5829dd5bffc2a1f944fe2f6	48	33	17	0.730	0.006	0.002	0.089
146	9361a4d45b4f3041759bda4727920df2	63	68	19	0.875	0.500	0.204	0.500
147	10f5becae257a92665866cdce9955007bb	104	104	48	0.528	0.475	0.191	0.201
148	6139657db08cae9d5d2399259e8ea00	39	43	12	0.889	0.600	0.266	0.500
149	2e6453aeac407dbca7b70b72082490c	48	47	25	0.802	0.410	0.170	0.183
150	8c5c1e62d737fdd00ca36b2c1252add75	107	96	26	0.800	0.416	0.214	0.933

ID	MD5	API count		new def-use rate		new behavior rate	
		DueForce	BDA*	DueForce	BDA*	DueForce	BDA*
151	01916af2afcab6cb2e9449822ea10d37	179	185	62	0.153	0.094	0.049
152	137c1e520b37dfc3ce5072be7995e96fc	58	56	36	0.764	0.450	0.181
153	4087376e7f2170248eb20665a26796	50	50	29	0.857	0.555	0.285
154	394d6a0cd60393ae571b720e915db30d	37	37	25	0.833	0.500	0.277
155	1a7e8ddc31780eb063e472e1299fe33	54	31	15	0.750	0.054	0.030
156	5f13326e2e90b70593b6450f25213f	61	38	26	0.739	0.479	0.192
157	03cfe768a8b4ffbe0bb0fde986a3894c	167	67	37	0.625	0.285	0.187
158	132d1bd12e164aa7e38b7e39a7e7bca62	59	47	48	0.711	0.410	0.186
159	3e7f9a3fcb89bf29eae96333f3aa7f296	136	68	15	0.550	0.426	0.215
160	f2b00627e6e8d10d3c27525ecd9af120	38	37	15	0.889	0.500	0.250
161	5b3baebd504b73122e10d0e12529b638	51	48	12	0.763	0.487	0.200
162	045136430edae124ea134b72a32a4a60	48	39	12	0.708	0.555	0.300
163	2ad284994083eb88d56eed361d7e381	35	35	4	0.833	0.545	0.272
164	005449f26bb0033c8ba5cbb55c26f6b	48	20	14	0.718	0.020	0.017
165	75e04ad828359d2d25718430bc5f3dd3	39	28	15	0.707	0.585	0.266
166	8f149474787186899cc8d99ca903e07	39	39	16	0.250	0.214	0.166
167	11c4894dea858030b237ac184994439	31	31	7	0.750	0.444	0.222
168	5e890cb3f6c8a8168d078fdeed099996	38	43	30	0.889	0.652	0.333
169	93c2f1ca9949435cffe81572d3d21d5e	50	20	11	0.687	0.020	0.008
170	ad76e4b7470d19368380b2b5375410b4	91	68	18	0.495	0.429	0.175
171	6b0bd9599779c3a4899a6ee9fd2ee0d3	39	43	13	0.857	0.611	0.277
172	d3a894f6052eece1ca87b69e619eacbb	37	39	21	0.667	0.333	0.214
173	57b4d2108031d3bd43f5777ba76d40	38	31	11	0.722	0.004	0.002
174	171d1a046333dac608b6f1a27447938	52	39	17	0.775	0.600	0.314
175	4e59a3fab25873681c62ca4f9e31e3	54	37	12	0.719	0.540	0.250
176	d9ef1d1c16b6fec713f53182cb2d4e10	84	80	55	0.711	0.419	0.189
177	58af33ba76bf6b37b5920ba4eac0e03	39	39	32	0.889	0.428	0.222
178	a664d7243b48631c0ae04e96866d4c	63	50	29	0.709	0.015	0.006
179	be0db913011e51e3424be7841b13fd05	47	39	22	0.698	0.007	0.003
180	912bca5947944fddc09e962047aa84ca	53	30	12	0.696	0.040	0.020
181	d2cd482ba82ce592c1dc5ded7db79ec70	50	39	16	0.675	0.531	0.215
182	81b6e216e10e17104706556c21a479a	102	67	20	0.733	0.467	0.234
183	0686a7459152174f821c8cc635cfbda8a	37	37	17	0.818	0.500	0.277
184	6dc1f557eac7093e9e5807385dcb05	48	20	5	0.681	0.020	0.013
185	9353a060cc5f8f726ce8a0105dfac48f	48	39	10	0.662	0.529	0.244
186	cd60f742fc1f198b34a264c5f3e55a42	63	61	23	0.893	0.643	0.325
187	994136a3c183999007f3d085b642a30	185	181	168	0.641	0.349	0.174
188	0cf68985c66da5a821f9bf35aa3dbd4	35	35	14	0.857	0.500	0.285
189	0c0d2d333f6dc5a92a2785007dcbcb50	10	17	11	0.888	0.421	0.205
190	dc4d438f6d31ce751dc0f0bea072ba9c	52	31	19	0.740	0.005	0.002
191	31c55141129151ee4728a40613b93cca	44	42	7	0.750	0.533	0.233
192	0bc2bb5b3e651355a50c07885464bf	50	20	1	0.687	0.027	0.013
193	46eatf3072ca59c0be284a7aacb41dc4	98	69	30	0.547	0.388	0.196
194	a6617c5cb59135e05799498d264564e7	145	153	248	0.500	0.080	0.033
195	942cae4c4b729d4878eb5e8898981228	39	37	19	0.818	0.500	0.291
196	f3e8a50f0c1c3a510f882d40f121960	57	56	28	0.766	0.450	0.228
197	28fed854eead432ab4d946e06b29ae4	51	36	3	0.730	0.005	0.002
198	1b74e847a994842f1b2f90480cc63f6f	63	38	23	0.735	0.458	0.186
199	5fb565ee533c0cb30451a0a023036b8	17	15	5	0.777	0.166	0.105
200	a27896388f0f0dad493c7d786e48eab	60	37	28	0.750	0.402	0.204