

Table 1

The results of computing the value of CTPH and the editorial distance between hashes of the obfuscated source code of mimikatz software

File number in the dataset	mimikatz file hash values (20 byte)	mimikatz file hash values (40 byte)	Editorial distance	Percentage of malware samples calculated using <b>scdeep</b>	Percentage of malware samples computed using convolutional neural networks			Percentage of malware samples computed using capsular neural network		
					Training epoch			Training epoch		
					I	II	III	I	II	III
1.	96191775819445d146491 dcc6d9148d491c15554	c11b9461983495d1793d c169b18461b8d1951531	26	31	30	29	28	46	49	51
2.	7d7dc63d9d11181379661 13914d1b41885145671	1854878193cc11448399 15b941d9118c1148d964	31	32	32	34	35	44	49	48
3.	b189149d7cb33d51d8881 9713d717971111151b9	931967494c5b91c41141 171146815136bd1d5b5c	31	33	32	30	31	46	48	48
4.	7683491971dc48b16d4c4 16c816176d13cc46549	9984393939d1953146b9 7c5c4641145b63d15113	31	37	37	38	38	55	54	58
5.	897319c1bd4411cc49d15 b9ccd14c511b5571635	844149b399143d955174 cc1444919b7149531598	31	39	40	40	42	55	59	59
6.	4b1c46869db1455d1b747 d1d7417596311145131	41c491151191c1611134 9815bd4115544c97757c	30	35	34	34	36	49	51	51
7.	3143161584c35bc411411 7974b4b981d969644d4	54511111777977431419 6b14515915118bcb5d36	31	38	38	40	40	55	56	58
8.	15111173614744988b4d4 ccc6937b57d39411919	311511dd191561191c15 1668b4163dc791598491	31	37	40	41	41	56	57	58
9.	3c5b657178148541911c7 46413c168d68453d168	141465c19b79cd37913b b7318d56714938915814	31	39	44	43	41	50	53	54
10.	6cb4531475611b4b114d3 c143194551c1c47519c	5981919b9c191481d411 8311178994193c941191	30	36	39	38	34	44	45	42
11.	db8d814bb3bbcb1bdb9645 c1141511b98d11884b4	c11111d1111553494146 68c4351514141114d5cb	32	34	38	39	42	52	54	54
12.	d54d49d84b18141364116 14181d4939911948491	5597cd991c3b131d1579 b1c7b39111345981993d	30	38	42	41	40	49	48	48
13.	18941b199111d44464b11 799b55159c18841c6cb	394c119b14d444b44113 3611549694914d449648	25	30	34	38	39	46	48	47
14.	6878487c115d11d1178c4 46347b614913cb911b1	c14711114917d5337117 86b35d643c14155d8c9b	31	34	38	37	38	49	48	48
15.	b7bc4914761db84191933 441911448b7791d1841	5c1b11144c9984cd6487 8cbd3469317934854566	34	32	34	35	35	49	48	48
16.	71c5b19873d1811941789 11b45877b4173511111	95b4171639b481946639 699b979814644d3d114	29	30	34	35	34	38	41	41
17.	913661311317584b168d4 8814493d7619993145d	488188113574b894d5d4 d9874154198179b16c89	31	39	44	46	4	49	51	53
18.	93311956949b17469cbd8 4b99493691c1149b61b	11d81c74911378cd63b3 111c6b17181d143c54c3	32	38	44	42	46	44	49	52
19.	9111191b7645873318143 961d9cdc714319146b3	dd11111871151514111b d89151919d4614151b13	26	38	42	44	46	59	56	55
20.	c651d88b547c114511c181 c9134b3bdb98b74b95	94611cc13bd48d7dc5d1 4d31466b17731913c614	34	36	37	39	39	56	55	54