

Table 8

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

File number in the dataset	mimikatz file hash values (20 byte)	mimikatz file hash values (256 byte)	Editorial distance	Percentage of malware samples calculated using scdeep	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.	cb4e5208b4cd87268b208e49452ed6e89a68e0b8	16ec333d6b487df9dce61248331a62d5174de2af	36	23	24	27	26	17	19	18
2.	b5cd63187bbe7b4525356500b2179dffe74c98d2	18c102d888100c000ba3bf36074d84f8ea54e68a	35	29	32	35	34	24	26	25
3.	01ec40215edd21ed26d1bedde644afcfa4ccd665	a304eee2933684927f0d7d96d5135079d69322cd	38	62	68	71	73	49	46	47
4.	4c5560639db8ffd4c64c40935d60e00565327d93	cf9fb5dbb38390f18ca57389213a8dfc2ea3a072	37	58	60	65	65	41	44	42
5.	41bfe324edaec6d7d5c5caeba23880eb0822d50	b5266aacb8babbd753b1595d3aa8631d1dbb4656e	36	67	71	73	72	49	49	50
6.	6e17ce454dde78e6857f71cb37ccf9528fca0d9a	498dc1f7074d806463faa72659d3d733ba274b3d	36	43	48	48	48	37	36	36
7.	f568299090ef91e555a304a0a62e77b4d5ae7bc3	8f8edee77b23bde1f01756eddc8b90b5f8486c6f	36	46	51	53	52	39	40	42
8.	b26edb38f0f6871de226600d22c68daa8ba73186	6652e891426f29a2d3f24b23c53412db896b4cf5	35	17	19	22	22	11	13	15
9.	57cc8988c625fc553d0aadc9968eafbec28acdac	99584432f61bc58d71fb9fbcdc3b60d7399ecf05	37	38	42	46	45	29	31	33
10.	04457a3acbd17a624c9b472ba27b951b42d1b071	712dd5c93d437e9598107577ccea5cd4d05e2fed	37	53	55	58	58	47	47	48
11.	679b3e5d8a7f9771df8846daf027cba7db9664b9	6865f58f0f351f2fc523be daab82f5a18e8183ef	35	47	50	51	50	44	45	45
12.	b7d00d287b664c6b51ca24e411740b01fecfde79	6ce2da911a6ec91dc34170985038530ffbe46e20	35	59	63	62	62	52	50	52
13.	4e0306bb0ed368d848f180d50e79867d4805c590	a1bdb30f438908771c1fe852d67f830e02b739d3	35	68	74	75	75	56	59	58
14.	53f4f7aea3540ccd7553d40ebc6305a3b7014756	0e0eb1d2018ec513b64b524e1329906e64be8b1f	38	46	49	49	50	37	39	39
15.	cdb2de60b4134e2a08e3d259c5681d502ebc9e5a	4ee478d95a1b2ce18d0373a4e4e6d60c814d0ef4	36	39	44	46	46	29	30	32
16.	cb5e4275284241fa984b6bf2a20434f950473b82	a7a84aa3f01d4024b151e4135874ac1573097ad4	36	37	43	43	43	29	28	29
17.	711417fbacd157456cb575d2967f6b42d5ffe056	a98653c544f820e49ddb40b11f1467245684337e	37	29	31	35	37	22	27	27
18.	290b20ffad37c8e5c816b1141c88b39d63b3747e	0e7ee3da031a35353afe89d8323c0548eb5010be	37	22	26	28	29	20	19	19
19.	5055408f1c62cd526055b4af9871135584ab62a6	880d8216133d38ba6e9ddcd9b65d4cb73e009684	38	19	26	27	26	16	16	16
20.	e19f9e471c08ee1f984bdad657cf25fffe7542b	a9ad0a9cf2572384a1efa73ccc32555b00933c7b	34	24	27	30	35	16	15	16