

Table 3

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 <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.	fa35e192121eabf3dabf9f5ea6abdbcb107ac3b	7320828c9153b2a9848d6bc45d3544236b22fc48	37	17	19	22	21	11	13	10
2.	ee176776f84a8e7eb91c356094353558748ab9e	f026fefa7c46e0c7d71d867a5aa1cecdc94e8cb	37	34	36	39	35	27	29	24
3.	7320828c9153b2a9848d6bc45d3544236b22fc48	21ea6bfcae8bed1a4c7bc3d18f8d5f250d1e78c2	36	19	21	26	24	12	18	9
4.	81d084e23a59c5f7559230ed076ef23dfa9cde56	132ff35557566c05fbce1dabaeba20851209579c	36	22	24	26	21	17	19	15
5.	6589bd7ae06abee9338d57608d33118e874479a	1693542d64247454d5e1f755b89fe96b60174d12	37	28	34	37	35	18	19	14
6.	0f80a7cf3647d2ea69a7b20bb677cce1f5230ac8	b3c0730cf3f50613e40561e67c871fdb92820cf9	33	29	35	39	44	19	25	18
7.	fa35e192121eabf3dabf9f5ea6abdbcb107ac3b	f67462663a512121ffada791890b558ee8b38773	35	38	39	43	41	25	29	21
8.	f44f9324c9efb748fbbdc3cfd6300e348624055e	a4cc2df6ed7e9ea9fc0fbd9d18ea8f1c0bdebd67	36	46	52	58	53	34	38	35
9.	f7a704cfbae15df58a7c44e9722aee35b9330ab9	38f3e70b2fa931212190ce483f38b498ba9b466a	35	17	19	26	23	12	15	11
10.	d355948f39bfbf351df2493013382fb26321ae9	b74706f60b2956a77e371d48af436c27b27fb341	35	18	23	26	21	10	16	12
11.	80b7ad2bdd48ff6c6147b427d9c80e7d0951c437	1f4ae5a993a7726d3f614d7f3699e5b9413a7110	36	64	68	67	72	42	49	40
12.	0e2085d903f6dce72e7fca03c1d375fe272db8d8	2cd1890b3b3162edf8e92dde287b8c6b76427308	35	68	74	76	79	49	52	45
13.	d90cd7f38c6c4241bf3537f6b773a35371f86922	0b8e4d12da8b81a4a83b9def3885984a59474dd3	38	29	32	35	39	18	21	23
14.	9cca9167a200d504a82d8ba0fb46a6afc83c19a1	dfd4302de0ff2553493b3d2e4ff8e4f20fa93285	38	34	38	42	39	27	29	28
15.	79d39e988d5b1ae8eac3369e733adf93d5d64016	45d3554c9414aa81965a5d957e167dfcfaecccdbd	34	20	22	25	23	15	19	14
16.	1652a5c66a9706c50217a3c0b1941e3f28ad7e0b	28de18ceb103c1e945feb6241751505e20a5f708	35	58	62	67	63	50	48	43
17.	2d37afd8cc49ee206ce7c4575c694c3b207595b6	48e316113e4746c0863bc31ba769d6027f9b2c65	34	53	55	59	61	47	44	45
18.	ddc09857c9ed6b5ad05170b227d322e5cc824f67	a310b7383753a54bc79fa243500412d1355b15a0	37	43	49	52	51	37	39	34
19.	8d0d55c86249a7da676e7a81078e6baec3649104	50e8821b9aa3dc968e12453c957df1e5ed04490a	33	38	42	48	43	28	30	29
20.	309a653f1fbdf4f894c5f7e7a039c2ddf793153	14a052045fb7491c5b37805d916b86dd5f21cfee	33	74	82	88	85	52	56	50