

Table 7

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 (128 byte)	mimikatz file hash values (512 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.	973bc32cce3fbef15629 451868de9263252c5b95	a85a521111696ebf6008 32a41d438d1233ae1bcc	36	23	25	27	29	19	19	21
2.	7fd6041fc6f205542665 87d020d390d9a17887ea	bf9e8d7cfe2bc4e3660d 20674beeaf8e8f071f28	34	29	31	34	33	22	26	25
3.	c21bcb209a8cfaa7b9c ecafc8861c3c97b7f151	21bea71f13041e5edc81 6a927ccc7cb9b761bd7f	34	25	27	29	28	16	19	18
4.	d0c7cab917e329f02239 91f53182eb1825908d06	96e0697a4a81443ee5ed a9ab2141a7f618fbe719	36	31	33	37	35	27	29	28
5.	a3084abb33e8841d3947 7959df3ba4028f76efc5	abcbe31992c346d3db6a b151f1e5467a1ab8469e	35	17	19	21	20	10	13	12
6.	63abce21526d810ab6f3 174ca992849f5c43ccb7	e6990435ee455ed2299d cd1012bbbcc3373ceac3	37	26	29	31	33	21	21	23
7.	9e63b97842b705f05d1f f0df6318cf8c32f3d592	bcc0ae299c174783e9fea a5054d4e646646183fb	39	29	34	35	35	22	26	24
8.	b123d4ce1af3b7be7078 edc86722e6084583930a	e0135de41b1e9eef7950 662bdc2669fbb0459430	31	40	44	48	51	33	31	30
9.	5bcf35929c3ca62dd79b c48a2278d88d32611f67	d37aa33c398aa57602d 2819f66c732d74417f11e	36	42	46	49	53	31	35	32
10.	0e8c013e1cb9d608cca9 0b6c5be4837f5219a0dd	247fb73278ad527312cf 3fc179695027658e578c	38	36	41	44	44	30	32	31
11.	949910e1a0caf54c6b02 e4f6fe63cdd9c182c1f5	fa6c83fb4d57583aef51 c13d6e9dc9c6c82a92d7	36	49	52	55	53	40	42	40
12.	65a30252eb4df581f85a e8ed2349ae0e72902b3a	4714549d3b3a5c7b090d f4924d36eda26f04f28e	37	52	55	59	57	42	46	44
13.	9e821a2388d1b4860fec 1055eda4c6536b62881f	030fb327733e236b2307 fafa20fcc7e8f92785d	36	53	59	58	59	48	48	48
14.	1f54412ff3e3716629ca 36224e6c005a0d1db264	381e930ee40b72baec6b 5c0bc24b4f95d912ea8f	37	40	46	45	47	37	39	37
15.	d15a18d94e196aa9adb 12742a5c4cf149c264232	6584ae54ff5632cdeadc 369eada856fdfe320aed	35	39	43	42	43	35	39	38
16.	10221b1f08b7492aa30f be8bccc4b6ef95e6fb0c	bc1fd82441db20c16d67 69d6360ddc6f7f720bf6	37	15	18	20	19	10	11	10
17.	74078e08e188d3910d7e 1c5eb17ede7c6aef4cb2	63c58b901f375bdf2174 7e3937c0bd4f90e0f916	36	29	34	38	37	22	22	24
18.	e06e85b4476af9cc9801 81129ab3fa70a8be2673	05337e0696c6e8256539f 202cdc50ee738d34f29	38	32	34	39	38	27	29	28
19.	05337e0696c6e8256539f 202cdc50ee738d34f29	e52b297885b5b80904da cc25ff8668653748db91	35	78	86	88	88	59	60	58
20.	8e8d3e5e8c726200dbfe 34173701ceb730645814	19187dc98dce52fa4c4e 8e05b341a9b77a51fd26	34	87	95	93	95	59	62	60