

Table 3

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 (20byte)	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.	54f4bfb9e7452547197f9df7c9d6c1e72f95f647	b94cedd41f1b7f5c6459c2de2d7f44d144fe769d	35	35	27	25	26	42	49	52
2.	2c7f91e1e1bbe27f44bf6dedbf4a2fef2ea1d24	bee7ae2a7154f5bcdb75fa571eae29c5bdfaa	36	28	20	22	24	34	39	42
3.	afa29dacff2ff7dcf65e19b67eeff9eaad1dfe55	ea62f2fefdbef2e6b14de5af4af7a467afdf7d5e	34	39	27	29	28	44	49	47
4.	dea2edfdde2fff724d6dc11d75c25a99d167faeb	adadc4fde9954fc7e6ade7592d7beb51e26ec6ad	33	22	23	22	22	34	38	39
5.	65f9bd7aed6abee9eefd576dfee11fef74479a	169e542d64247454d5e1f755bf9fe96b6d174d12	35	27	20	21	20	34	33	37
6.	5dfe117e256cd5544fc2bd145ddfe29dfe9b1db	ce5dec29d7bce97dd7eebe2a7577ae67d26ee54	35	37	24	28	25	46	49	48
7.	fae5e192121eabfedabf9f5ea6abdbcbcd1d7aceb	f6746266ea512121ffada791f9db55feefbef77e	34	38	29	28	25	46	49	52
8.	f44f9e24c9efb74ffbbdcecf6eddee4f624d55e	a4cc2df6ed7e9ea9fcdfbd9d1feaff1cddbdebd67	33	39	30	33	32	48	52	51
9.	942dae6d2a619df62627aec7ddb62c1ffdfbbccb	5f2fc7d92b5ef75dc7fda975f266b6bed456da5d	35	38	31	28	32	44	47	46
10.	ec1ac1c5eda6eff49efbd7f724e14dc11c4de6c2	edda4dfec7c54d419674b42d714f2edacdde591	31	42	37	34	38	49	52	54
11.	a1f64f6dc674a249c9ffedc959cd1296effd91e9	2c7e9e2277fa5ebddeebf1c1eaeafbdcee65f75	37	43	37	37	39	50	54	57
12.	5e5b1df9d1d1fb9dd1c19f79ef2262eeba2ec4a5	2ed1267cfe54174dc7ff6fc4247dc6526ffd74db	36	48	34	37	36	55	59	57
13.	76ec1adffedebdcdcc1ee961d614ca2ff5fb5de	ae5f751ebdbd5fbe27ce9beaceffbc2c9dca9411	36	51	37	41	44	58	62	61
14.	f1ddf4e2ea59c5f75592ededd76ef2edfa9cde56	1e2ffe5557566cd5fbce1dabaeba2df512d9579c	31	47	40	44	42	52	57	59
15.	79de9e9ffd5b1aeceace69e7eeadf9ed5d64d16	45de554c9414aaf1965a5d957e167dfcaeeccbd	33	34	31	33	30	39	42	40
16.	1652a5c66a97d6c5d217aecdb1941eef2fad7edb	2fde1fceb1dec1e945feb62417515d5e2da5f7df	35	39	28	31	34	43	48	47
17.	f2b5bfbf1522d279e9e2de4b15271dfc2dcffc2c	7bd4ebf916b1bf5a76e56df622ff57b55ad7b7e5	35	41	37	34	38	52	49	47
18.	274c2c2ebbf2972a475f91f9e97eb1f72fb5cd	f26dbdc47f1cde212cef9c5de1517957e44ddc96	33	48	42	44	46	52	57	55
19.	f9b1dcc717f7ef77d54f2aec211d161d5ee55d5	1fffdbdb6ffea9b17ea46ddcd7de75197594febb	36	39	42	45	42	58	62	61
20.	6be714b1e2ff4ff116ced471f5c9e4e5bac2ebfd	dd7cdcf5bc2b222f6c7f6b65d6e6f6ce7d9275ac	36	52	37	39	41	55	59	57