

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 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.	163907758394e5df4649 3dcc6d9f48d412c05554	c22b146018a495d379adc 369b38e60b8d095f5a0	31	18	9	11	11	24	29	29
2.	7d7dc6ad1d2038fa7966f 0a9fed2b438850e5673	385e878f1acc20ee8a9105 b942d10f8c2348d96e	35	20	10	11	9	29	28	28
3.	b289041d7cbaad5fd888 3973ad737170323253b1	1a3167e14c5b12c4f04f37 0fe68052a6bdfd5b5c	35	19	11	13	12	24	26	27
4.	768ae93973dce8b36d4c 406c8f6376d2acc46541	998ea1a1a1d095a2e6b17 c5ce640045b6ad3530a	36	24	12	16	11	28	28	29
5.	817a01cfbde420cce1d25 b9ccdf4c5f0b55736a5	8eefe1ba9124ad955274cc f44e1f1b7f495a0518	31	26	16	15	16	31	30	30
6.	eb2ce6861db0455d3b7e 7d2d74f7596a3f3e5fa2	e0ce90052f9fc06022a498 25bde2f554ec17757c	35	28	18	15	17	34	34	36
7.	af4af6f584ca5bce32e23 7974beb983d96164ed4	5e520ff07771774a3e216b 045f5905028bcb5da6	34	25	20	19	20	29	33	33
8.	352f307a6f474e988bede ccc61a7b57da9433929	a23503dd013562313c05f6 68b436adc79f518490	36	24	20	19	20	33	35	35
9.	ac5b6570782485ef92fc7 46e0ac368d6845adf68	043e65c01b79cda793abb 7a28d5672e9a8105824	35	23	15	16	14	30	34	34
10.	6cb45a3e7560fbbeb02ed acfeaf94553cfce7539c	598f139b1c210483d4328a fff7819e29ac143f92	36	20	19	19	20	27	29	30
11.	db8d8febbabbc3bdb164 5cf04f503b18d3f884be	c2f020d022055ae9404668 cea525f42e33fed5cb	32	19	11	13	12	24	26	25
12.	d5ed41d84b38fe3a6423 60428fd41a99209e8492	5517cd992cab0a3d0571b 0c7ba120fa4518291ad	35	30	20	21	19	38	39	42
13.	281e0b3190ffde4464b2 3719b55f59c388e2c6cb	a94c331b04de4eb4400aa 6f35e961e134d4e16e8	32	35	26	24	25	44	49	48
14.	6878487c2f5d3fd2078c4 46ae7b60492acb9f2b2	c2e72f00e127d5aa722786 ba5d64acfe055d8c1b	35	38	30	35	34	49	52	54
15.	b7bce10e760db843921a a4439f3e48b7713d08e3	5c0b33f4ec9184cd6e878c bdae61a279a4854566	37	25	20	19	20	31	33	32
16.	72c5b2987ad280f9ef781 0fbe5877b427a5200f3	15be07f6a9be839466a961 9b17980e6e4dad034	35	23	18	19	18	28	30	31
17.	90a66fa30a07584b368d e8824e9ad76f119a2e5d	e8838832a574b894d5ded 987e254318071b06c89	33	39	30	28	31	44	48	47
18.	9aaf0956141b27461cbd 84b1141a613c2241b62b	32d83c7e120a78cd6aba00 0c6bf7080df4ac54ca	37	29	20	25	24	34	38	37
19.	90f3f13b76e587aa28fea 962d1cdc724a310e6ba	dd0f22f87f052504220bd8 9f5f909d462435fb2a	32	42	30	34	36	50	56	54
20.	c650d88b5e7c0045f0c38 3c10a4babdb18b7eb15	146f2cc2abd48d7dc5d04d a3466b377af90ac604	36	38	31	33	31	46	49	48