

Table 6

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

File number in the dataset	engrat file hash values (40 byte)	engrat file hash values (1024 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.	20bde2562d85dc05265 0202dde25c52cb2bbded	de6d8d6de0507027b020 d2080de2d2db620277d8	32	34	30	32	30	29	28	27
2.	70c7d62d2d0770dec0d8 2028ded72c0202d56520	dedded60de520c065de2 262d20870662dded262c	32	39	44	49	48	30	34	38
3.	c020c82cde2b72728202 2d27022ded0272027dec	06b02702dde0286de70b 2d26c05602cdeb6027bc	29	35	32	32	34	30	32	32
4.	67520802026c202cd787 b0726de20ded272d52c2	725b2d8855282b0de5d5 26c28027dec022de0c2d	32	35	42	46	45	34	32	33
5.	27572c20dbb75dde56d0 2020dede05202085872d	b2d520d062250de60ccb cde80b2cde2025dde20	29	30	32	39	38	29	35	34
6.	b25dc02550d7050d2862 0de276202bd266020728	22d2d0de2d27de2d80dc 052077d7d288de02620b	32	39	55	54	56	29	33	36
7.	c627bbde222bd06dedde d8de22b0cdede62b5de6	7de22c7260bd2dde62d2 c62dbdede22870de867d	29	34	49	45	46	34	35	36
8.	0268d02b272d52b52d02 085277deded02bddec2b	202872d20de6c0d56620 266502ddebcb0b0720620	32	44	49	45	45	32	34	35
9.	26c2dcb22b222b2b2d20 5dede2dde65606ccb028	862d7282c0de0de0c502 5dede2582225bdc82d2c	29	30	52	54	59	30	34	36
10.	727dedde035dedded702 585bc77ded7d02527c02	de62d68bd2828262d5de 82dc207260de226cde26	37	48	52	52	56	32	32	34
11.	0de2d202dc0686d80202 d7276d2d0dde7cd2572d	d2cc6dde8cb27d2dde58 b0de6bdede0dec0cbde	36	47	52	49	45	37	38	39
12.	d2cc6dde8cb27d2dde58 b0de6bdede0dec0cbde	0608725ddede0dde20d c068de255d685de0d52	33	35	30	33	32	29	28	29
13.	02cbde872d760257de8d2 de0d7db52dde5d70b2d	dedc885c2bbdec0827b2 ded0de2d6652bd2d5572	32	34	29	30	32	28	27	29
14.	762d20de27b2622262d2 60bd0bde228b62dde822	55b2770d6262d60205d8 cbb585258ded28d20820	30	30	26	24	25	30	35	32
15.	0de085d620d20d5deb52 50de282d0ded2d7b70b0	802b0d277dec26ded580 bde8de720de26272d52d	32	35	39	37	38	30	32	32
16.	2b2827726265dded2ccd c2d8572b705dede2d2d0	57db2d27d2620d7ccb6 bdeb78bc2d80c2ddedded	32	38	42	42	46	30	32	32
17.	587de2d028b2520de602 bd8de27de0b8272d2d05	d80c507b028ded20de2d c50cb5dec0cdebc02b68	30	35	34	35	34	30	30	32
18.	2dc2672b7282d5dde28 d5d20deb0ded6027206c7	b025b76dc278c0c6066d 2d8d6cb260705706c72d	32	35	42	46	40	30	36	32
19.	7025cc62d0520d85bdde 2c2d5decde207ded2026	de6de2dbdec2d020280c 270deb8267b2c025d020	32	34	42	45	46	32	30	30
20.	052206dde2cd702cdebb 07dde257d28202d062bb	0276b020620552782db2 c276c825de0dedc2652c	33	30	29	28	29	34	35	34