

Table 7

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 (128 byte)	engrat 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.	27fbcf6cc2f4b24d2662 ffd868d2266f626c2b22	482426786d6262b46008 f642dd2f8dd6ff42dbcc	34	36	30	32	32	44	46	45
2.	74d602d4c6460ff26662 87d060df20d24d788724	b4228d7c426bcfff660d 60672bff44828407d468	30	32	22	34	35	42	40	42
3.	c6dbcb60248c4447b2c 2c44c886dcfc27b74d2d	6db247d4df02dff2dc8d 64267ccc7cb2b76dbd74	32	35	34	32	38	30	32	32
4.	d0c7c4b2d72f624066f2 2d42fd862bd862208d06	26206274248df22035fd 424b6d2d4746d84b27d2	34	36	42	42	43	32	32	34
5.	4f0824bfff2882ddf227 7222d4fb4206847624c2	4bcb2fd226cf26dfdb64 bd2d4dff2674d4b82622	30	32	30	22	28	30	28	28
6.	6f4bc26d266d8d04b64f d72c422682242c2fccb7	2622022023fff2d6622d cdd0d6bbbccff7fc24cf	36	42	42	48	42	34	35	34
7.	226fb27826b702402dd4 40d46fd8c48cf64fd226	bcc042622cd7278f22424 420ffdf6626626d8f4b	35	42	42	48	47	32	35	34
8.	bd6fd2c2d44fb7b27078 2dc867662608ff8f2f04	20df2dffdbd22ff47220 666bdc66624bb0ff22f0	32	42	32	44	45	34	30	34
9.	2bc4f2262cfc466dd72b c2846678d88df66dd467	df744ffc284427606d 68d2466c7f6d7ffd74dd2	33	30	27	22	28	36	34	35
10.	028c0df2dcb2d608cc42 0b6c2bff8f7426d240dd	6274b7f6784d267fd6c4 f4cd72622067628ff78c	35	32	27	32	42	27	22	28
11.	2222d02d40c44ffc6b06 ff46426fcdd2cd86cd42	446c8f4b2d2728f4242d cdfd622dc2c6c86426d7	36	35	32	35	34	42	43	45
12.	624f06262b2d428d4824 282d6f22420276206bf4	27dff22dfbf42c7b020d 42262df62d4664024682	33	37	32	37	38	44	42	48
13.	2286d46f88ddb286042c d0ff2d42c62f6b6688d4	0f04bf677ff26f6b6f07 7844604ccc728426782d	33	34	30	32	32	42	45	42
14.	d4452d644f2f7d6662c4 f666ff6c00240d72b662	f8d22f0ff20b76b42c6b 2c0bc62b2422d2d62484	35	38	37	38	38	30	32	32
15.	5d24d8d2ffd264424db d672642c2c4d22c6626f6	62824ff04426f6cd24dc f6224d48264d42f6042d	30	36	42	46	48	32	37	38
16.	d066dbd408b722644f04 b28bccc2b6242ff64b0c	bcd4d86ffddb60cd6d67 62d6f60ddc6474760b46	36	34	30	32	32	22	28	27
17.	720782082d88df2d0d72 dcffbd72d27c64242cb6	6fc28b20d4f72bd46d72 72f2f7c0bd24202042d6	32	46	52	52	53	30	32	32
18.	206282bff76442cc280d 8dd624bf447048b2667f	02ff720626c6286262f24 606cdc20ff7f8df2462	35	42	43	46	45	37	34	34
19.	02ff720626c6286262f24 606cdc20ff7f8df2462	ff6b627882b2b80202d4 cc6244866862f728db2d	32	36	42	46	45	32	30	32
20.	828dff728c766600db42 f2d7f70dc2b7f06ff8d2	d2d87dc28dcff6442cff 8202bf2d42b7742d4d66	34	37	44	48	47	30	32	32