

Table 4

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

File number in the dataset	engrat file hash values (20 byte)	engrat file hash values (512 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.	cf28d2dbf75d2528cc5c 0d8f5dbc29f7dfdc89c8	d98e2d5fc757ccc5b2c8 f98788d8fdcf5bdcf77f	30	37	44	46	45	30	31	32
2.	c7b7fd2cf8dfdc0dc828 cff9f9cdbc288e2d8cff	f85e28dfdbf2d7cce27f d7d9cfc2d89fdf87fcfc	31	35	49	47	48	46	41	42
3.	dfb75c59f99fce278cc8 9bc8c5c8259bc8222b7c	c252d992828d9b8cc877 ce29bc8f89c7ffcf87dc	31	38	46	45	47	31	34	36
4.	98c878dc58ff5fe2d7fb bc2792f8c5c58f7ccfcd	fd89c2cb7f9fd577fc5d 8dc5cfc7e2f998cfcc9f	31	33	42	41	46	30	31	32
5.	8e22d7c8cdfcdcb2cc2d 97f9cd88cdcd27c5d59b	7cbb2c5d5c27f7ccdcf2 99dc9270fc858fcdccdc	30	34	44	49	48	30	31	32
6.	d58c7fc8c1088cb2ce2f 97f9c8d98dcd25c7d59b	2dc5cfc8c787c0b2c10f 97f9c8fcd78d25c7c02f	19	20	25	26	24	19	18	16
7.	d9c92d2cf5bdccdc7e2 2d8bcc2c88b2db228987	d58c7fc8c8888cb2ce2f 97f9c8d98dcd25c7d59b	32	34	31	32	32	30	31	32
8.	cd858cdcdfd85c8bffc7 e28fcd7cc87877ccdcdb	5dcfd2c2fe29277cdc5 d29f5d8d88cc9c988fdc	30	39	46	48	49	30	34	31
9.	f885927f2cc8d9cfffbd c68dcd2fcd5dbc7bfcfc	5ee5927f2cc8d9cfffbd e28dce22dcd5dc5cd2f7	14	19	22	26	24	17	17	16
10.	88f8c7f28e2877dccc9 9e2cdcf75cd878fc82c	7d2cf7d7cc7cc92bcc85 2797cd925f8e25c9cd2f	34	34	37	39	38	30	29	29
11.	85d82f57c85d7cfc2fffd dc5dcc59cd888d72ccd	2dc7cff5be2ccd77fc8b 7c5d99dffcf2b58bbcc88	29	27	30	34	36	20	24	26
12.	dfcdfd87cf2dcc788c78 8dfc8e2cf229cfe225d5	8fcf9e2fcc7fb8cc97d 8cfccfd7cc8dcdcbdc8d8	28	30	38	39	37	29	28	27
13.	71c85cd7f5c52d75df8d cdc897cd7bc85f9cbfd2	d8d78cfbc8b5df59f22f d7c82d7e288dcfbfc786	31	34	46	41	42	30	33	32
14.	fb2c5c8f8bc0dc0fe28 2b81d8c958c7db728889	85787cd87c8b8f5fb595 87dc079c87cc8ce2ffd5	34	38	49	48	49	32	31	30
15.	10d57bdc287ce2fc9dc d5fb7c2c70cf85f87c5bc	e28f7bb8b2bd8c9cfc8 f8c2dfbfc9fc52cbc5e2	29	31	39	38	39	29	28	29
16.	c9c8e29c9102d6878562 7b8e252cdcf7e28d9df5	5cf05db8b2bd8d8e2bb2 7b8e252cdcf7e28d9df	18	21	29	31	33	22	26	24
17.	dfcc5cf9cf5dbdff758f d27cbcfcd7bccfd5c8c	d88258fcdcd7fbc8d7c5 e28df2fc2c277d57cccf	34	35	46	45	49	32	31	30
18.	8db79c827fccf8ce289 c7cccf8f2bc28cdc7bf7d	dfcc5cf9cf5dbdff758f d27cbcfcd7bccfd5c8c	31	38	44	46	45	31	32	30
19.	7277fd08cd5f9fc29f5c b8c89e29f8522dcf8d72	dcc8d98c97288f88dcc 9e2fb7c9975557fdcfdc	32	36	42	46	48	30	34	38
20.	58098d5858cbfbc225d bf8f95c5dc9c8fdcc7c9	8cfd9dcdc5e2cfd2fe2 97cdc6510dcd87cfdbcb	32	38	44	46	47	30	31	32