

Table 1

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

File number in the dataset	surtr file hash values (20 byte)	surtr 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.	cf2ad2dbf7ed2e2acc4d 0dafedbc29f7dfdca9ca	d9ae2defc7e7ccceb2ca f9a7aadafdcfebdcf77f	30	39	55	57	59	31	34	35
2.	c7b7fd2cfadfdc0dca2a cff9f9cdbc2aae2dacff	faee2adfdbf2d7cce27f d7d9cfc2da9dfa7cfcc	31	34	57	58	54	34	39	38
3.	dfb74de9f99fce27acca 9bcac4da2e9bca222b7c	c2e2d992a2ad9bacca77 ce29bcafa9c7ffcfa7dc	32	38	55	59	58	34	36	35
4.	9aca7adceaffefe2d7fb bc2792fac4deaf7ccfcd	fda9c2cb7f9fde77fced adc4dfc7e2f99acfcc9f	32	36	54	57	57	32	32	31
5.	ae22d7cacdfcdcb2cc2d 97f9cdaacdcd27cede9b	7cbb2ced4d27f7ccdcf2 99dc9270fcaefcdccdc	31	34	49	51	54	34	38	37
6.	deac7fcac10aacb2ce2f 97f9cad9adcd24d7de9b	2dc4dfcac7a7c0b2c10f 97f9cafcd7ad24d7c02f	20	25	32	35	39	29	30	30
7.	d9c92d2cfedbccd7e2 2dabcc2caab2db22a9a7	deac7fcacaaaacb2ce2f 97f9cad9adcd24d7de9b	32	37	42	46	45	33	34	32
8.	cdaeacdcd4da4dabffc7 e2afcdb7cca7a77ccdc	edcfcd2c2fe29277cdce d29fedadaacc9c9aafdc	30	34	34	39	38	29	29	30
9.	35ae927f2ccad9cfffbd c6adcdf2fcdedbc7bfc	152e927f2ccad9cfffbd e2adce22dcdedc4dd2f7	13	21	42	38	37	22	26	24
10.	aafac7f2ae2a77dccc9 9e2cdcf7edca7afca2c	7d2cf7d7ccc7cc92bcae 2797cd92efae24d9cd2f	34	38	59	61	62	42	41	40
11.	aeda2fe7caed7cfc2fffd dcedcce9cdaaad72ccd	2dc7cfebe2ccd77fcab 7ced99dff2beabbc45a	32	35	37	39	38	35	34	35
12.	dfcd7da7cf2d7cc7aac7a adfcac2cf229cfe22ede	afcf9e2fcc7fbacc97d acfcfd7ccadcbdcdada	28	30	39	42	42	39	34	38
13.	71ca4dd7f4de2d7edfad cdca97cd7bcaef9cbfd2	dad7acfbcabedfe9f22f d7ca2d7e2aadcfbfc7a6	32	34	55	57	58	41	40	40
14.	fb2c4dafabc0dc0fe2a 2ba1dac9eac7db72aaa9	ae7a7cda7cabafefbe9e a7dc079ca7ccace2ffde	32	38	59	61	61	37	39	34
15.	10de7bdc2a7ce2fc9dc defb7c2c70cfaefa7cebc	e2af7bbab2bdac9cfca fac2dfbfc9f9ce2cbcee2	29	31	42	49	48	30	34	34
16.	c9cae29c9102d6a7ae62 7bae2e2cdcf7e2ad9dfe	4df0edbab2bdadae2bb2 7bae2e2cdcf7e2ad9df	17	26	42	40	42	29	28	29
17.	dfcc4df9cfeddbff7eaf d27cbcfcd7bccfd4dac	daa2eafcdcd7fbcad7ce e2adf2fc2c277de7cccf	31	37	55	56	55	34	35	34
18.	adb79ca27fccf2ce2a9 c7cccfa2bc2acdc7bf7d	dfcc4df9cfeddbff7eaf d27cbcfcd7bccfd4dac	31	34	39	35	34	37	39	38
19.	7277fd0acdef9fc29f4d baca9e29fae22dcfad72	dccad9acc972aafaadcc 9e2fb7c997eee7dfcd	32	36	42	46	45	38	37	39
20.	ea09ad78eac20bce22ed bfaf94dedc9cafddc7c9	acfd9dcdcee2cfcd2fe2 97cdc6e10dcda7cfdbcb	32	38	55	56	57	31	30	32