

Table 2

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 (80 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.	4c00669902989c465262 749946bc270086bb46c2	902779909868800bbc26 04c56ce5c7b6c09b9b90	32	38	52	56	57	31	34	35
2.	b5c4899025289592c05c 025c98757c2644ce8562	074292429b5c626b6545 2588897978724cb029c2	30	34	55	57	59	34	35	39
3.	67ce242849029cb98c90 99799908bce27ce00272	ce84844bcebc2729957 067c049b5925865cb260	33	38	52	55	57	34	38	41
4.	09804b05c2998c255c42 ce5cb6465428709600ce	68862c002506c2442509 86bce95b5969884b7597	34	36	55	59	57	34	38	34
5.	962954ce608c9994059b 5545c490026956257526	5c82902bc5c5c4ce6bce 5c40c475c7b07769c526	32	35	59	54	57	38	34	35
6.	0cb5c4c070898009045c 059bc25909265026b275	805c600cc5c6785cce07 0c5c9c8052b70070cc82	33	42	55	56	57	34	35	38
7.	2484b2b9794ce2490992 9029c906c02908928649	b94c7004080b95cc6429 c05705924450445c9690	35	39	45	49	48	31	30	32
8.	0c9290ce70bb709244b8 6075b84ce878507ce504	b5c9270290245cbc5b92 85c907275cce9c2b55c2	32	41	59	54	57	30	34	35
9.	5cce952c8ce8290c2627 09b695c8895c25005c5c	7260ce85c0b78076b045 5c2845c924695c589527	31	46	61	62	60	37	34	35
10.	2527009ce26c05c448c0 b504255870905c79b05b	c7252c0959bcc7990097 2b70292995c690067724	32	45	55	59	57	34	37	38
11.	2c02c0c5c5267824928b 592904ce40c00c4576c0	ce05c4527c9c24540969 4b400904ce252c005c90	29	33	59	57	58	30	31	37
12.	805c65c45cb074775c24 076995045c000597275c	40b5297750605c5cce27 50cc97b2b95592699828	33	38	49	48	48	34	37	35
13.	5c9b5c0259b924402945 4885c8955690696c2709	5c2960b070b90c88695c 0705c8b8ce42460ce789	28	37	55	59	57	31	35	34
14.	272b008950508b9050c0 98995c006072bce7c45c	092b06872cc452b02485 942925462968245c2597	31	34	59	61	62	55	57	54
15.	0ce0069c87240940c928 68c40495c6ce6825940b	c26079cec265c5c028bc 6027b004095c7c86c6c9	28	36	55	58	57	34	37	31
16.	94005c60026095860609 5cc900b60c05c588bccb	2802c9590b2729cec985 29928066b6b7042605c0	34	39	55	59	57	41	38	37
17.	98ce0297000b049ce5c2 c0ce7908625929cc5c2c	967c0255cce2b0c50cc0 279605604cce285cbce2	29	34	55	57	54	37	37	34
18.	ce864860c694ce49c95c 75c929c5009675c59079	0c929ce0995c5cb0527b 80c05c7ce8b0c5c65c92	34	38	56	57	57	35	38	37
19.	55c025250ce5c8904560 c00592c05c995069827b	cecec4ce799242c976ce 7929059b7bcece67c6ce	34	41	59	61	63	37	39	38
20.	6bc4ce828b5ce98726ce 5c50b64cece68299b988	0449b0ce2995c2472700 5c00c84ce27760bc89c2	28	34	55	59	58	34	37	37