

Table 3

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

File number in the dataset	dyre file hash values (20 byte)	dyre file hash values (256 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.	5484b8b9174585471978 9d87c9d6ce6710958647	b94c1dd4181b785c6459 c8d18d7844d14481769d	34	37	30	35	34	46	48	48
2.	8c789e6e6122187844b8 6d1db8441018d8141d84	be674184715485bcd75 8457e64181489c5bd844	33	39	41	42	40	55	59	58
3.	48489d4c101087dc8651 19b67e6109144d1d8155	146101018db11016b14d 15484487446748d87d51	33	32	30	31	32	59	61	62
4.	d1481d8dd11010784d6d ce6d75c85499d167841b	4d4dc48d199548c7164d 17598d7b1b5e6861c64d	32	34	31	32	30	44	46	49
5.	6589bd741d64be619e68 d576d8de6e6818744794	1691548d64847454d51 18755b898196b6d174d18	31	35	30	34	33	49	55	54
6.	5d8e6171856cd55448c8 bd145dd8189d4819b1db	c15d1c89d7bcc197dd71 1b18475774167d86e654	35	38	39	34	37	55	59	61
7.	8415e69818e64b81d4b8 9851464bdbcbcd1d74c1b	8674686614518181104d 479189db558e68b18771	33	34	35	33	34	60	62	64
8.	84489184c918b741022d c1c8d61dde648684d551	44cc8d861d7191498cd8 bd9d1814101cddb1bd67	34	36	36	34	38	55	59	56
9.	948d416d84619d868687 41c7ddb68c110d10bccb	5108c7d98b51875dc78d 49751066b6b1d456d45d	34	39	40	42	46	55	59	62
10.	1c14c1c51d461104918b d78784e64dce6c4d16c8	1dd484d81c7c54d41967 4b48d714101d4cdd1591	31	35	30	34	35	49	52	53
11.	4186486dc6744849c910 1dc959cd1896110d9e69	8c719110778451bdd6b 81ce6414d8bdce665875	36	33	34	38	39	46	48	47
12.	515b1d89d1d18b9dd1c1 9879110868e6b481c445	81d1867c8154174dc710 68c4847dc658610d74db	33	36	30	31	32	46	48	47
13.	761c14d101d10dc7cc1 e6961d614c410858b5d1	415875e6b4558b187c1 9b14c110bc8c9dc494e6	34	34	30	31	32	48	49	55
14.	81dd84181459c5875598 1d1dd761101d849cd156	e610815557566cd58bc1 1d4b41b48d8518d9579c	31	38	42	46	44	61	62	64
15.	79d191910d5b141814c1 16917e64d891d5d64d16	45d1554c941444819654 5d957e667d8c84e6ccbd	30	26	30	31	32	46	48	49
16.	165845c66497d6c5d817 41cdb194e611084d71db	10de68c1b1d1ce694581b 68417515d518d4587d8	32	30	31	32	34	49	52	55
17.	10b5b8b81510d8791918 d14b15871d8c8dc10c8c	7bd41b8916b1b8547615 6d86101057b554d7b715	33	29	32	34	32	51	54	56
18.	874c8c81228b89784475 891891971b187710b5cd	106dbdc4781cd1818c1 89c5de6517957144ddc96	34	34	37	38	39	52	56	54
19.	89b1dcc717871877d54 1041c8e6d161d5e6155d5	1108bdbd610149b1714 46ddcd7d1751975948122	36	30	31	32	30	49	51	51
20.	6b1714be6108410e66c1 d47185c91415b4c81b8d	dd7cdc85bc8b10106c78 6b65d61686c17d98754c	34	28	31	35	34	49	55	56