Table 1

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

File number in the dataset	athena file hash values (20 byte)	athena file hash values (40 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.	96090775809445df46490dcc6d9f48d49fc05554	cffb946098a495d079adc069b08460b8d095f5a0	30	42	37	31	32	49	55	57
2.	7d7dc6ad9df008fa7966f0a9f4dfb40885045670	0854878f9accf0448a9905b94fd90f8cf048d964	32	46	38	37	32	55	59	57
3.	bf89049d7cbaad5fd8880970ad7079700f0f50b9	9a0967494c5b9fc4f04f070f46805fa6bdfd5b5c	32	55	44	46	47	59	62	64
4.	768a490970dc48b06d4c406c8f6076dfacc46549	9984a9a9a9d095af46b97c5c4640045b6ad0500a	32	19	18	17	16	29	31	34
5.	897a09cfbd44f0cc49df5b9ccdf4c5f0b55706a5	844f49ba99f4ad955f74ccf4449f9b7f495a0598	31	64	55	57	56	74	76	79
6.	4bfc46869db0455d0b747dfd74f7596a0f045faf	40c49005ff9fc060ffa498f5bd4ff5544c97757c	32	58	64	68	65	77	76	81
7.	af4af6f584ca5bc40f4f07974b4b980d969644d4	545f0ff07779774a04f96b045f59050f8bcb5da6	32	67	55	54	59	71	73	76
8.	05ff007a6f4744988b4d4ccc69a7b57da94009f9	af0500dd09056f090c05f668b406adc79f598490	34	46	37	46	47	58	59	57
9.	ac5b657078f4854f9ffc74640ac068d6845adf68	040465c09b79cda790abb7af8d567f49a89058f4	34	49	40	41	40	55	59	61
10.	6cb45a047560fb4b0f4dacf4af94550cfc47509c	598f909b9cf90480d40f8afff78994f9ac940f9f	32	47	55	59	54	74	79	81
11.	db8d8f4bbabbc0bdb9645cf04f500b98d0f884b4	cff0f0d0ff055a49404668c4a5f5f4f400f4d5cb	33	29	31	34	35	55	59	57
12.	d54d49d84b08f40a64f0604f8fd49a99f094849f	5597cd99fcab0a0d0579b0c7ba9f0fa4598f99ad	31	37	34	38	38	58	59	64
13.	f8940b0990ffd44464bf0799b55f59c0884fc6cb	a94c009b04d444b4400aa6f0549694904d449648	26	37	25	29	24	45	49	51
14.	6878487cff5d0fdf078c446a47b6049facb9ffbf	cf47ff0049f7d5aa7ff786ba5d64acf4055d8c9b	33	29	29	28	27	34	38	31
15.	b7bc4904760db8409f9aa4409f0448b7790d0840	5c0b00f44c9984cd64878cbda469af79a4854566	35	28	29	34	38	36	34	39
16.	7fc5bf987adf80f94f7890fb45877b4f7a5f00f0	95b407f6a9b4809466a9699b979804644dad004	30	46	45	45	47	59	61	64
17.	90a66fa00a07584b068d488f449ad76f999af45d	4880880fa574b894d5d4d9874f54098079b06c89	32	47	42	48	48	52	58	59
18.	9aaf0956949bf7469cbd84b9949a690cff49b6fb	0fd80c749f0a78cd6aba000c6bf7080df4ac54ca	33	59	48	52	53	64	68	69
19.	90f0f90b764587aaf8f4a96fd9cdc7f4a09046ba	dd0ffff87f05f504ff0bd89f5f909d46f405fbfa	30	53	52	59	57	62	67	68
20.	c650d88b547c0045f0c080c90a4babdb98b74b95	946ffccfabd48d7dc5d04da0466b077af90ac604	35	42	46	48	48	64	68	71