

Table 8

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 (128 byte)	athena file hash values (1024 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.	cbeea2f8bece8e2b8b2f8ee9ea2eebe89ab8efb8	fbec999ebbe8eef9ecebf2e899fab2eafecce2af	31	36	30	31	34	49	52	53
2.	baceb9f8ebbeebea2a9abaffb2fe9effecec98e2	f8cff2e888fffcfffb9bf9bfecce8ef8eaaecb8a	30	25	35	34	37	49	55	59
3.	ffecef2faee2fee2befbeeeebefafcaeccebbba	a9feeee2999b8e92effee9beaf9afe9eb9922ce	29	37	42	41	42	59	57	55
4.	ecaabfb99eb8ffecbec9f99aebf9fab92ee99	cf9fbabbb9899fffbcaa9892f9a8efc2ea9afe2	29	59	61	60	60	68	72	74
5.	efbfe92eeaeccbeeeacacaeba2988febfb822eaf	ba2bbaacb8babbeea9bfa9ae9aa8b9feebbebabe	31	76	77	70	74	88	89	87
6.	befecceaeceee8eb8aefefcb9eccf9a28fcafe9a	e98ecffefee8fbef9faae2ba9e9ee99ba2eeb9e	28	54	56	59	55	64	67	68
7.	fab8299f9fef9eaaaa9feafab2eeebecaeabc9	8f8eeeee8b29beffffeabeec8b9fbaf8e8bcbf	31	29	34	35	39	42	49	47
8.	b2beeb98fffb8efee22bbffe22cb8eaa8bae9f8b	bba2e89fe2bf29a2e9f2eb29ca9ef2eb89bbecfa	30	64	60	64	61	78	81	82
9.	aecc8988cb2afcaa9efaaec99b8eafbec28aceac	99a8ee92fbfca8eeffb9fbee9bbfee999ecffa	32	67	64	67	68	72	79	75
10.	feea9a9acbefeb2ec9bee2ba2eb9afbe2efbfe	ef2eeac99ee9ee9a98ffeaecceaaaceefae2fee	29	29	30	34	38	49	48	51
11.	be9b9ae8aef9eefef88ebeaff2ecbaeb9bbeb9	b8bafa8fff9aff2fca29beeaab82faaf8e8f89ef	30	24	31	35	37	48	46	42
12.	beeffe28ebbbecbbafca2eeeffefbfffecfeee9	bce2ea9ffabec9fec9efef98af98a9fffbbeebe2f	30	18	20	24	21	34	38	36
13.	eef9fbbbfee9b8e8e8ff8feafe98beee8faca9f	afbeb9ffe989f8eefcffe8a2ebef89fef2be99e9	28	10	11	15	12	21	25	22
14.	a9fefeaea9aefccceaa9eefebcb9faa9befffeab	fefebfe2ff8ecaf9bbeba2eef9299fbeb9e8bfff	30	19	20	23	25	26	28	26
15.	ceb2eebfbef9ee2af8e9e2a9cab8feaf2ebc9eaa	eeeee8e9aafb2cef8ef9e9aeceebefc8feefefe	29	34	36	37	34	47	48	51
16.	cbaee2ea28e2effa98ebbfb2a2fe9ef9afe9b82	aea8eaa9fffeef2ebfafaef9a8eeacfae9f9eae	30	28	30	31	32	52	53	51
17.	effefbacefaeeabcbaeae29befb9e2eaffefab	a98ba9caeef82fee9eebefbfffefbe2eab8e99ee	29	34	34	37	34	45	49	42
18.	29fb2fffae9ec8eac8fbffefc88b99eb9b9eeeee	feeee9eaf9fa9a9afae89e8929cfae8ebafffbfe	34	72	64	67	65	75	79	81
19.	afaaef8ffcb2cea2bfaab9af98eff9aa8eabb2ab	88fe82fbf99e98babe9eece9bbaeecebe9eff9b8e	33	34	34	35	37	46	47	49
20.	ef9f9eeefcf8eef9f8ebeaeabacdf2afffeae2b	a9aefa9cf2ae298eafe9ae9ccc92aaabff999ceb	26	25	30	31	35	45	49	47