

Table 5

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 (40 byte)	athena file hash values (512 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.	b6edb9ee97f6bccffdb e6ffcfff9fc9d6dbfed	cf97dda7f7adfe6f9bfa 7cbfbfc979fedbdef97	32	37	30	31	34	44	49	47
2.	edbfcf7f99cb97d7ef9 dc9eadffee769fd69eff	cdcbf9adde9ff6efcc96 c6fdf6cdf6d9d99ddcae	31	37	35	35	34	44	49	48
3.	fedefc7dbd9ddecdbdf 6fcafe6d6d9dcef7c7d	9cbcd77d79f9ec9f9f6f dcceff9dedf99ffde9fe	29	28	29	28	31	55	59	57
4.	cecdacdeec7decefeb dcbcccaffff9eefadcf	cd7c6ffedfd9eefcdde daccdec6ffeddaefdbdd	28	29	31	34	37	49	51	52
5.	67bfae69a96db99fd776 9efbfdeedccb9ced9bd	fa9e6adf9add9d7ede6b dd7fdadbc79e6bfe9ffb	31	37	31	34	35	38	39	56
6.	dfb669dadac7adbdcd fd99ceacd69ddcef6cd9	fdbcca7ecd9cfe9dff9c7 deae9bfcdeb6d7d79bda	32	49	52	59	57	37	35	34
7.	c9ded76fdb7efeffdee cecdffbf9dad9d7cefd	7addccdfbacc767fac7 fdaff7ecd9eb9a6dec9e	31	48	49	48	44	69	64	68
8.	0bfbd07f6aed09cbade 69d6f9ecfc9eedc9dda99	c6cade9ceda66cfc9cf beffaecf7fff9cfdab9d	32	64	37	39	38	87	88	87
9.	df79dececd9caf9f967 cfffddcbcf99eac9fd9	f97ad6d6dd7f7dffbcc f99fc7dbeaccdcc7addc	32	16	22	29	27	49	51	55
10.	aececb9dcccde9fd9dd9 cdf9ad6eafbcfaf97f9e	fdd6cedceabff96dcfdf c9fa7edcdfabafcd9cbe	28	67	44	49	47	76	79	78
11.	9faf6dfdf7ccffdafbc abef7f9d6bb69efcbbdf	97af6e9afacbeffed99 fcdd7c6fdefef9ffaaa9	30	34	42	48	44	44	55	58
12.	f9e9bd9af9c96c967c9f ffedff9f69dddadfab9c9	97af6e9afacbeffed99 fcdd7c6fdefef9ffaaa9	31	19	29	28	23	39	38	41
13.	ffec6f6ecdebde66eaf dccffa9dcaea9ccdf9ff	ffcd9b9cfa9fd9d9bed ea9cfddec6f9fcb9d9d	31	28	29	32	34	66	67	69
14.	9efad6fa6f67be9ff9db fc9fdda99c9cdf9d6ed	f7fd9ed9fbc6eadfc9bd fe7cdb9f9fd9f9dfddba	28	64	58	56	57	59	58	54
15.	bd97df9dedc9cee6f9cf cdf9fa9cef7f9d9fac6d	f7fd9ed9fbc6eadfc9bd fe7cdb9f9fd9f9dfddba	29	34	38	39	33	49	48	46
16.	dc99dcffdfcfdddbfddcd cd7cdddabdd7acaef9fe	feba969edcfecc7cef7 c999def999c9fdd6ace	32	18	22	28	26	34	38	37
17.	cabdd9e67af6f9f9c79b fdffbdae6dacedef99dc	adfe99edefce9f6d7bfd e9ffbc9769d99dfe9ddc	27	34	36	34	35	56	57	59
18.	bd7efdadcedcddfd9dcd bf7efca7f7aceed9ffff	7c9e9fedaef9acaffcdf edfcd9ed7d67e9f9c9ff6	28	28	30	39	33	49	48	46
19.	dc6c9ca9c6de999dc997 6c9ff6f9f9fd9c9edd6	7ecdfde6d9cecbbadcfe ef9daed9c9fec9c9ffdf	32	29	34	38	39	49	51	55
20.	edd77e7f7c9f6dcedbf dacedcd7cfe9dda9ddfb	dcdcdfaf69dadd9afafd fa67cbfeaffcdebecbd9	33	44	46	48	49	56	59	57