Table 8

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

athenafile hash values (128 byte)	athenafile hash values (1024 byte)	Editorial distance	Percentage of malware samples calculated using scdeep	Percentage of malware samples computed using convolutional neural networks Training epoch			Percentage of malware samples computed using capsular neural network		
Hie number in the dataset (128 byte) athenafile hash values (128 byte)				I	II	III	Ι	II	III
cbfe5208bfcd87268b20 8ef9f52ed6e89a68e0b8	d6ec78ed6bf87df9dce6 d2f8eeda62d5d7fde2af	34	36	37	38	34	30	29	29
b5cd6ed87bbe7bf525e5 6500b2d79dffe7fc98d2	d8cd02d8a8d00c000bae bfe607fd8ff8ea5fe68a	32	42	47	49	45	37	38	37
0decf02d5edd2ded26d dbedde6ffafcfafccd665	ae0feee29ee68f927f0d7 d96d5de5079d69e22cd	33	48	44	48	52	49	44	41
fc55606e9db8ffdfc6fc f09e5d60e00565e27d9e	cf9fb5dbbe8e90fd8ca5 7e892dea8dfc2eaea072	35	55	59	62	60	50	51	52
fdbfee2fedaecc6d7d5c 5caeba2e880eb0822d50	b5266aacb8babbd75eb d595deaa86edddbbf656e	36	19	19	22	21	19	17	17
6ed7cef5fdde78e6857f 7dcbe7ccf9528fca0d9a	f98dcdf707fd806f6efaa 72659ded7eeba27fbed	34	52	56	59	61	47	48	48
f568299090ef9de555ae 0fa0a62e77bfd5ae7bce	8f8edee77b2ebdedf0d7 56eddc8b90b5f8f86c6f	36	49	53	54	59	44	47	43
b26edbe8f0f687dde226 600d22c68daa8ba7ed86	6652e89df26f29a2def2f b2ec5efd2db896bfcf5	33	46	49	52	51	43	48	44
57cc8988c625fc55ed0a adc9968eafbec28acdac	9958ffe2f6dbc58d7dfb 9fbedceb60d7e99ecf05	35	42	48	49	52	37	38	34
0ff57aeacbdd7a62fc9b f72ba27b95dbf2ddb07d	7d2dd5c9edfe7e9598d0 7577ccea5cdfd05e2fed	36	49	51	53	54	55	59	52
679bee5d8a7f977ddf88 f6daf027cba7db966fb9	6865f58f0fe5df2fc52ebe daab82f5ad8e8d8eef	35	42	44	49	47	39	37	34
b7d00d287b66fc6b5dca 2fefdd7f0b0dfecfde79	6ce2da9dda6ec9ddcefd 709850e85e0ffbef6e20	33	47	59	55	52	44	42	40
fe0e06bb0ede68d8f8fd 80d50e79867df805c590	adbdbe0ffe890877dcdfe 852d67f8e0e02b7e9de	35	62	65	66	68	60	57	58
5efff7aeae5f0ccd755e df0ebc6e05aeb70df756	0e0ebdd20d8ec5deb6fb 52fede29906e6fbe8bdf	35	60	62	61	66	58	57	56
cdb2de60bfdefe2a08ee d259c568dd502ebc9e5a	feef78d95adb2ced8d0e 7eafefe6d60c8dfd0eff	36	49	52	57	56	38	42	42
cb5ef27528f2fdfa98fb6	a7a8faaef0ddf02fbd5de fde587facd57e097adf	35	55	59	54	59	48	49	45
7ddfd7fbacdd57f56cb5 75d2967f6bf2d5ffe056	a9865ec5fff820ef9ddb f0bddfdf672f568fee7e	32	37	42	48	46	30	31	34
290b20ffade7c8e5c8d6 bddfdc88be9d6ebe7f7e	0e7eeeda0edae5e5eaf e89d8e2ec05f8eb50d0be	34	29	31	34	36	27	27	29
5055f08fdc62cd526055b faf987dde558fab62a6	880d82d6deede8ba6e9dd cd9b65dfcb7ee00968f	37	57	62	62	61	55	50	51
ed9f9ef7dc08eedf98fbd dad657cf25fffe75f2b	a9ad0a9cf2572e8fade fa7eccce2555b009eec7b	33	37	42	46	47	42	49	52
	cbfe5208bfcd87268b20 8ef9f52ed6e89a68e0b8 b5cd6ed87bbe7bf525e5 6500b2d79dffe7fc98d2 Odecf02d5edd2ded26d dbedde6ffafcfafccd665 fc55606e9db8ffdfc6fc f09e5d60e00565e27d9e fdbfee2fedaecc6d7d5c 5caeba2e880eb0822d50 6ed7cef5fdde78e6857f 7dcbe7ccf9528fca0d9a f568299090ef9de555ae Ofa0a62e77bfd5ae7bce b26edbe8f0f687dde226 600d22c68daa8ba7ed86 57cc8988c625fc55ed0a adc9968eafbec28acdac Off57aeacbdd7a62fc9b f72ba27b95dbf2ddb07d 679bee5d8a7f977ddf88 f6daf027cba7db966fb9 b7d00d287b66fc6b5dca 2fefdd7f0b0dfecfde79 fe0e06bb0ede68d8f8fd 80d50e79867df805c590 5efff7aeae5f0ccd755e df0ebc6e05aeb70df756 cdb2de60bfdefe2a08ee d259c568dd502ebc9e5a cb5ef27528f2fdfa98fb6 bf2a20feff950f7eb82 7ddfd7fbacdd57f56cb5 75d2967f6bf2d5ffe056 290b20ffade7c8e5c8d6 bddfdc88be9d6ebe7f7e 5055f08fdc62cd526055b faf987dde558fab62a6 ed9f9ef7dc08eedf98fbd	cbfe5208bfcd87268b20 d6ec78ed6bf87df9dce6 8ef9f52ed6e89a68e0b8 d2f8eeda62d5d7fde2af b5cd6ed87bbe7bf525e5 d8cd02d8a8d00c000bae 6500b2d79dffe7fc98d2 bfe607fd8ff8ea5fe68a 0decf02d5edd2ded26d ae0feee29ee68f927f0d7 dbedde6ffafcfafccd665 d96d5de5079d69e22cd fc55606e9db8ffdfc6fc cf9fb5dbbe8e90fd8ca5 f09e5d60e00565e27d9e 7e892dea8dfc2eaea072 fdbfee2fedaecc6d7d5c b5266aacb8babbd75eb 5caeba2e880eb0822d50 d595deaa86edddbbf656e 6ed7cef5fdde78e6857f 798dcdf707fd806f6efaa 7dcbe7cef9528fca0d9a 72659ded7eeba27fbed f568299090ef9de555ae 8f8edee77b2ebdedf0d7 6f362e9bdf687dde226 6652e89df26f29a2def2f 600d22c68daa8ba7ed86 52e5d62db896bfcf5 57ce8988c625fc55ed0a 9958ffe2f6dbe58d7dfb adc9968eafbec28acdac 9fbedceb60d7e99ecf05 0ff57aeacbdd7a62fc9b 7d2dd5c9edfe7e9598d0 f72ba27b95dbf2ddb07d 7577ccea5cfd05e2fed 679be5d8a7f977ddf88 6865f58f0fe5df2652ebe f6daf027cba7db966fb9 daab82f5ad8e8d8eef b7d00d287b66fc6b5dca	cbfe5208bfcd87268b20 d6ec78ed6bf87df9dce6 34 8ef9f52ed6e89a68e0b8 d2f8eeda62d5d7fde2af 34 b5cd6ed87bbe7bf525e5 d8cd02d8a8d00c000bae 32 6500b2d79dffe7fc98d2 bfe607fd8ff8ea5fe68a 32 0decf02d5edd2ded26d de0feee29ee68f927f0d7 33 dbedde6ffafcfafca665 d96d5de5079d69e22cd 555606e9db8ffdfc6fc fc55606e9db8ffdfc6fc cf9fb5dbe8e90fd8ca5 35 f09e5d60e00565e27d9e cf9be5d6aacb8babbd75eb 36 fdbfee2fedaecc6d7d5c b5266aacb8babbd75eb 36 fcaeba2e880eb0822d50 d595deaa86edddbbf656e 36 fed7cef5fdde78e6857f f98dcdf707fd806fefaa 34 f568299090ef9de555ae f98dcdf707fd806fefaa 34 f568299090ef9de555ae 8f8edee77b2ebdedf0d7 36 b26edbe8f0f687dde226 6652e89df26f29a2def2f 36 600d22c68daa8ba7ed86 b2ec5efd2db896bfcf5 33 57cc8988c625fc55ed0a 9958ffe2f6dbc58d7dfb 35 d6f572e898k6625fc55ed0a 9958ffe2f6dbc58d7dfb 35 f72ba27b95dbf2ddb07d 757ccea5cd	cbfe5208bfcd87268b20 8ef9f52ed6e89a68e0b8 d6ec78ed6bf87df9dce6 d2f8eeda62d5d7fde2af 34 36 b5cd6ed87bbe7bf525e5 6500b2d79dffe7fc98d2 d8cd02d8a8d00c000bae bfe607fd8ff8ea5fe68a 32 42 0decf02d5cdd2ded26d dbedde6ffafcfafccd665 ae0feee29ee68f927f0d7 d9d5de5079d69e22cd 33 48 de5566e9db8ffdfc6fc f09e5d60e00565e27d9e cf9fb5dbbe8e90fd8ca5 7e892dea8dfc2eaea072 35 55 fdbfee2fedaecc6d7d5c 5caeba2e880eb0822d50 b5266aacb8babbd75eb d595deaa86edddbbf656e 36 19 6ed7cef5fdde78e6857f 7dcbe7ccf9528fca0d9a f98cdf707fd806f6efaa 72659ded7eeba27fbed 34 52 f568299090ef9de555ae 0f26edbe8f0f687dde226 6652e89df26f29a2det2f 60d22c68daa8ba7ed86 36 49 57cc8988e625fc55ed0a adc9968eafbec28acdac 0ff57aeacbdd7a62fc9b f72ba27b95dbf2ddb07d 9958ffe2f6dbc58d7dfb da682f3de6edebdf0fd 7577ccea5cdfd05e2fed 35 42 d70d0d287b66fc6b5dca 2fefdd7f0b0dfecfde79 66252e89df2ef2992edefe7 da882f5ad8e8d8eef 35 42 b7d00d287b66fc6b5dca cdfede8b06de68d8f8fd 80d50c79867df805c590 6625ff8e0e02b7e9de 35 42 b6dd20de60bfdefe2a08ee d259c568dd502ebc9e5a c6e2da9dda6ec9ddcefd 7a8faeef0ddf0ffbdde f6e587facd57e097adf 35 62 <	Cobfes208bfcd87268b20	Cobie 5208bfcd87268b20	Cobie 5208bic da87268b20	Cobie Cobi	Cobie 5208bfcd87268b20