

Table 2

The results of computing the value of mean shift between hashes of the obfuscated and source code malware

File number in the dataset	Source code hash values	Obfuscated source code hash values	Percentage of malware samples computed using only convolutional neural networks			Percentage of malware samples computed using mean shift method in convolutional neural networks		
			Training epoch			Training epoch		
			I	II	III	I	II	III
1.	7007b7d793697d097936d997c807c79969bc87c7	99890bc36d798c36d7077c36b60670d8936697dc	30	31	34	49	49	50
2.	897969ccc366987d97997c799c8367b99799cc8d	79d76cbc97b7cc88697d99c7c8b87c0706c79989	31	32	30	51	52	53
3.	697cd07807cd7cb98c97979369c8bdcd99c99797	936b7689dcc07db9708770936706d96870936799	31	30	34	49	52	53
4.	787c3699c79b7097c9ddc97999986979d9cc99dc	0cb79999796c9d79d99979cc79b9b93697679878	30	31	28	44	48	46
5.	6bc0798d8b36798996363679b60d36968979b788	c7679369cd6d3699d8bc6979bc7079799c86c6c9	29	27	28	49	48	49
6.	d36790cdb79367d7836c00997cc79997b99997b9	98d9979bcd7997c7c799c9089d98b098b79b0667	30	31	34	42	46	45
7.	7080bdb99707c703697d99d7c996c797c8978607	b90c9990787b7d7c6079cc79c36d003600d97699	30	31	32	52	54	54
8.	79c98c8c9369bc7980876bc0369700c96bccdc08	c7976bdc798b93670c7bc9368d836dc7936978cc	30	31	32	48	49	48
9.	9d8936cd96036c976936bc9bb636cc97d7c997c8	b9c9799cd9d79679909767967c836d7b9c8c9cd9	30	34	34	50	52	53
10.	c997908d99bdbbd9367dc09997998cdcb69c3699	b70796d69bc97636799736087d096cc7bc7db907	40	42	46	51	55	52
11.	89b367cb3608dd6c6707b0c369c899369936c097	7d07936999367c679d67036d969997b907936369	30	31	32	49	48	47
12.	799c36d98c6c0c07bd9797d6b369797936d869cc	9b89036c368b8360789b979d9887980369070369	30	29	28	44	44	46
13.	c7936d78cc0999c96c97c0367c690c9bc93697b6	08997636990706c9869bc97b3669769c7d9bcc67	27	29	28	46	48	47
14.	9997679d7db7d70d890c7db936999cc36d799369	70797c907db7097c7b978936976b86367dc7cd99	31	30	30	31	34	36
15.	879367c86c0936366769368797896b79c9609790	79988c7b93697c96897c079c9367d79797900997	24	26	27	45	48	46
16.	9cc797636c99369078c78b79db06767dc89c7936	7d7099c799ddc369099b97c90dd890dc9d799c87	30	29	27	45	44	48
17.	36c99836c9976b36797369bcc369cc97cc8c0d67	7979b7989369360bc79d7c0979907c36936b3679	26	27	24	37	39	38
18.	d797ccc9799878936c7c608898799679979699d7	cc367d7bddd7c36099369b76998cdc9979c9c79b	33	33	35	49	52	51
19.	99b07983697836367999c60798369936b99cc79d	76c9bbd009b99d367979c79c367c6d9898799c86	27	28	29	52	53	51
20.	6c767d67c998360cc9c6c69607dcd7cb63636cc7	799d369367bc36997999c36cc90c036780c7db9	37	28	31	55	59	57