

Table 6

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 6poch			Training 6poch		
			I	II	III	I	II	III
1.	1fbdffc667fc63c76c667f96fc336c66cbdbb663	4c63c366cf677f67b9df3d9c7c4c3ffb6c74773c	33	34	31	48	47	49
2.	77c73663639777f6c9fc49cc44376cf67c3666d7	1ffc769cf6cfc966f6d46dfd7c77669fdffd6dc	34	35	36	46	45	44
3.	c7f7cc4c63fb767fcd6f9f793fdff76767f76dc	f6b747f1f4c9fc6c47fbfff6c76674c4cb69c7bc	34	31	34	44	47	48
4.	676f7c7c7c6cf7ccf7c7b9766dfcfd76f66cc	766bf9cc66fc4b7c4636d6c6c947ffc7f3649c77	34	35	34	51	56	57
5.	c7674c6f3bb76fcc6637c7cfdd6f964749c6c799	b6f6d9f963f694c69ccbcd6c7bcc6f69d6fffbf9	34	31	34	49	55	54
6.	bc6fc7d66f37769ffc6c7dcc76494b3f667cf7dc	f3363f46c367df63c93c761f77373dcc6fff669b	34	34	35	49	55	56
7.	c6c7bbcf93cbf96c43d4fc97f6b9c444c6db6446	7fff3c766fbfd666994c6dfbdc4c33c77dde673	34	38	39	59	57	58
8.	9f6cfffbf7976cb6f79dfc6d77666f37fb3c4cfb	474c7ffffc6cf3666d9f666f43c4bc9b97f7669	34	34	34	51	53	54
9.	46cc3cbf3bfffcb974766f6c77c466696ccb6cc	c69f7cc6c74c9f67c67f6dfcc46cf3c6b3cc43dc	34	49	48	54	55	57
10.	cfdd97f46fdfff9777c6c6bc7769f7f7667c9f	cc6776cb36c4cc67f6f6c99cc7746fd7736c4336	49	34	34	49	54	53
11.	66f7ff6f6b4d36cc3c6f6c6df749f6f67f9ffb7f	47c4649d7b7f6c7bf9fd349f4d766dff63f43fc6	34	36	35	56	58	54
12.	96cfcff7cedcb4c6f36c6f666df4c6676b6fccc3	f7f3b7f7776f76bf7f73fff3ccc76c39f7c6d	34	31	34	49	47	48
13.	71f7c6fc6cccd79cfd76cc66bc76d67c6f634cbf	67c6cb9fc3776bd3fc74767977cfbd439f6f39c6	34	34	35	54	54	56
14.	dc6fcd946c96ff9fdbcf71ff6c4c3c49cf61f7f	66c1f66433667fcd6fdec7696dfc663d367fff6d	34	31	34	48	47	49
15.	cfffbec3feb749fff7f3b6cbccc4b66397413bfc	bcc3dcf44cdbffcc6d6769d676fdde63737ffb36	34	35	36	48	47	48
16.	c3644cf337677c66f9cf76ff466cff6ffdcdbf64	7cc697f661fb7fbf6c6b6cfbcf4b4396d9cf6fc3	34	31	34	44	49	47
17.	6f66c6b4476f39cc9cfc6ccf9fb73f7ffcb6f677	f67776f696c66cf666793fffdcc6f6677cd743f9	34	31	34	49	51	54
18.	f67776f696c66cf666793fffdcc6f6677cd743f9	66fbf97cc6b6bcf9f4dfccf633c66c66774cdeb9c	34	31	34	55	55	57
19.	c6cd7666cc7f6ffdb3674c777fcc6b77f646cc4	c9cc7de9cdc66f3f4c46c6f6b74cf9b77f6c3df6	34	34	35	59	57	58
20.	fdf36cccfef1f37f7f34b6b66c61f94c1fc66df	7cf6b63f6dff6c7c7c47cf361fccfc6cbf36c3cf	34	31	34	48	47	49