## 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		
ïle num			Training epoch			Training epoch		
Ц			I	II	III	I	II	III
1.	d447bdfde77eaf4eaedd feedc84a2aee6ebc87ca	e98e4b2aaf798cadfa4a a2aab646d4f8ed76edf2	29	31	30	39	44	46
2.	8eae6e2ccaa6e8afedee dcae9c8ddabeedeecc8f	aef762b2edb72c8869af ee2dc8b8a24a462aee89	35	31	34	48	52	53
3.	6ea2f4a8472f7cb98c9d 97e77928bf2fee2eeaea	e7abd68efcc4dfbea48d 74e7ad46f968a4eaad9e	24	23	27	34	39	38
4.	78a2da9e2debd49a2eff ceaee9e86ed9f9cceefc	42bde9eede62efaefeee decc7ebeb9dd9a6798a8	29	31	28	37	41	40
5.	6bc4ae8f8bdad98ee6ad aadeb64fdae68e79b788	ca6de7aecf6faaeef8bc 6eaeb2d4d9aeec86c6c9	34	31	35	51	55	54
6.	f7a7e4cfbaedadfa8a7c 44e9722aeeeab9eeeab9	e8fee7eb2fa9ed2d2d9e ce48efe8b498ba9b466a	60	58	54	74	76	77
7.	a484bfb9e74a2a47d97f 9ef7c9e6cde7289a8647	b94ceee4d8db7fac64a9 c2de2d7f44dd44fe769e	40	41	45	64	67	68
8.	7e2e828c9daeb2a9848d 6bc4adea442e6b22fc48	2dea6bfcae8bedda4c7 bcedd8f8daf2aedde78c2	30	28	34	46	49	52
9.	ef8ea7cfe647d2ea69a7 b2ebb677ccedfa2eeac8	bece7eecfefae6dee4ea 6de67c87dfdb9282ecf9	30	37	34	48	54	55
10.	2e1a948fe9bfbbfeaddf 249eedee82fb26e2dae9	b747e6f6eb29a6a77ee7 dd48af4e6c27b27fbe4d	34	37	38	64	68	67
11.	8eb7ad2bdd48ff6c6d47 b427d9c8ee7de9adc4e7 d9ecd7fe8c6c424dbfea	df4aeaa99ea7726def6d 4d7fe699eab94dea7dde	37	39	38	54	59	57
12.	e7f6b77eaeae7df86922 2de7afd8cc49ee2e6ce7	eb8e4dd2da8b8da4a8eb 9defe88a984aa9474dde 48eed6ddee4746ce86ebc	35	34	33	57	64	63
13.	c4a7ac694ceb2e7a9ab6 ee9a6aefdfbdfd4f894c	edba769d6e27f9b2c6a d4aea2e4afb749dcabe7	37	40	42	67	69	68
14.	afbe7aee9c2ddf79edae 8dedaac86249a7da676e	8ead9d6b86ddaf2dcfee aee882db9aaedc968ed24	49	44	41	61	64	67
15.	7a8de78e6baece649de4 9cca9d67a2eedae4a82d	aec9a7dfdeaede449ea dfd4ee2deeff2aae49e	27	29	28	42	44	49
16.	8baefb46a6afc8ecd9ad ddce98a7c9ed6baadea	bed2e4ff8e4f2efa9e28a aedeb7e8e7aeaa4bc79fa	32	34	31	46	49	52
17.	d7eb227de22eacc824f67 3d1ac22eaee8d8eaaca2	24eaee4d2ddeaabdaae cc7dafabfffac7749eaa	20	24	22	37	38	41
18.	6488e87996deeae6eefa eeb47e8d79a8ad7aa9ee	eb76ee8cf299de292deb 762ebbf44ebeefaaae	42	40	37	78	81	82
19.	264de8ad9edabee2c7ef 62a6df6ac998ad4cce2	7ec79caddc6f98e87ee286 d9efaaedaab2ddeede	45	49	47	82	83	89
20.	626e64af2fa2b67adac2d	99ec7a2c9424aa784cdfbe	46	49	52	64	68	71