

Table 8

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

File number in the dataset	engrat file hash values (128 byte)	engrat file hash values (1024 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.	cb3912f8b7c7872b8b2f839171239b78e2b87fb8	fb7ce217e27839f17c7bf278e2f1b271f393921f	32	35	30	35	34	52	54	58
2.	b1c7b1f87e239b712e21b1ffb2f717ff397c1872	f8cff27888fffcffbe2bf1bf39787f87e239b81	32	34	32	35	34	49	48	46
3.	ff7c7f2f13972f392b7fb3939b391fcf17cc7e21	e2f39392e21b87127ff3971b71fe2f717be222c7	31	30	34	36	32	49	55	59
4.	7c17bfbe27b8ff39cb7c7fe217bf7ff1be2239e2	cf1fb17e218e2fff8ce271812fe287fc27e21f72	28	30	32	35	34	42	46	48
5.	7fbf71239717ccb3971c1c17b12188f7bf82271f	b12e2e2cb8be2139e2bfe217e218b1f39e27b1b7	32	29	30	35	34	42	44	46
6.	b7f7c3913939787b817f7fcb17ccfe228fc1f7e2	7187cff7f3978fb7b1fe272be27139e2b1239b17	29	31	30	32	35	52	55	59
7.	f1b82e2f1f7f1f7e2e21f71f1b2397b39e239bc1	8f8393939b21b39fff71b397c8b1fb1f878bcbf	34	33	30	34	35	49	52	56
8.	b2b39b18fffb87f3922bbff722cb87e28b171f8b	e212781f72bf2e2271f27b21ce27f27b8e217cf1	29	24	30	34	32	56	58	59
9.	17cc8188cb21fce217f117ce2b871fb7c281c71c	78183912fbfbcb1839ffb1fb39ce21f39e217cff1	30	28	30	32	35	38	52	56
10.	f3917e21cb7f71b27c1b392b127be2fb727fbf7f	7f2391ce239139e218ff7139cc7e2c397f172f39	31	24	31	30	33	46	48	47
11.	b71b1717817f139f7f887b71ff27cb139be217b1	b8b1f18fffe2ff2fc121b77e2b82fe2f878f817f	30	26	29	28	24	46	48	46
12.	b39ff7287e2b7ce21fc12397ff39fbffcf3971	bc727e2ff1b7c1f7c17f7f181f18e2fffb39b72f	28	34	38	35	39	48	44	42
13.	39f1fe2bf391b87878ff8f71f3918b3978f1ce2f	1fb7b1ff7181f839fcff78127b7f81f7f2b7e271	32	33	33	31	32	56	55	58
14.	61f7f717e217fcc39e2139f7bcb1fe21b7ff391b	f7f7bf72ff87c1fe217b1239f12e2fb7b7b78bff	28	34	30	35	32	56	59	58
15.	c7b239bfb7f13921f87172e2c1b8f71f27bc17e2	3939787e21fb2c7f87f17e23939b7bfc8f39f7f7	29	38	38	37	39	59	62	63
16.	cb13927128727ffe287e2bf212f717fe2f391b82	17187e21fff39f27bf1f77fe28391cf171f17139	29	37	38	38	42	62	64	65
17.	7ff7f7fb1c7f1391bcb171721b7fe27271ff7f1b	e28be2c139f82f39139b7fbfff7b7271b87e239	30	28	30	32	35	52	54	56
18.	21fb2fff1717c871c8fbbff7fc88be27b1b13939	f3939171f1fe2e2e21f78178121cf1787b1fffb7	35	23	29	31	32	49	48	46
19.	1fe27f8ffcb2c712bfe2b71f187f078187e2121b	88f782fbfe2718b1b7139c7e2e239cb717ff1b87	33	32	34	35	36	49	46	45
20.	7f1f1397fcf839ff187b7717b17cf21fff39172b	1358fe2cf21721871f7f17178c12e21bff753c7b	27	29	31	32	33	52	56	55