

### The results of computing Generative-Adversarial Network

File number in the dataset	engrat file hash values (20 byte)	engrat file hash values (512 byte)	Editorial distance	Percentage of malware samples calculated using <b>scdeep</b>	Percentage of malware samples computed using GAN-1			Percentage of malware samples computed using GAN-2		
					Training epoch			Training epoch		
					I	II	III	I	II	III
1.	cf28d2dbf75d2528cc5c0d8f5dbc29f7dfdc89c8	d98e2d5fc757ccc5b2c8f98788d8fdcf5bdcf77f	30	37	44	46	45	30	31	32
2.	c7b7fd2cf8dfdc0dc828cff9f9cdbc288e2d8cff	f85e28dfdbf2d7cce27fd7d9cfc2d89fdf87fcc	31	35	49	47	48	46	41	42
3.	dfb75c59f99fce278cc89bc8c5c8259bc8222b7c	c252d992828d9b8cc877ce29bc8f89c7ffcf87dc	31	38	46	45	47	31	34	36
4.	98c878dc58ff5fe2d7fbbc2792f8c5c58f7ccfcd	fd89c2cb7f9fd577fc5d8dc5cfc7e2f998cfcc9f	31	33	42	41	46	30	31	32
5.	8e22d7c8cdfcdcb2cc2d97f9cd88cdcd27c5d59b	7cbb2c5d5c27f7ccdcf299dc9270fc858fcdccdc	30	34	44	49	48	30	31	32
6.	d58c7fc8c1088cb2ce2f97f9c8d98dcd25c7d59b	2dc5cfc8c787c0b2c10f97f9c8fcd78d25c7c02f	19	20	25	26	24	19	18	16
7.	d9c92d2cf5bdccdc7e22d8bcc2c88b2db228987	d58c7fc8c8888cb2ce2f97f9c8d98dcd25c7d59b	32	34	31	32	32	30	31	32
8.	cd858cdcdfd85c8bffc7e28fcd7cc87877ccdcdb	5dcfcd2c2fe29277cdc5d29f5d8d88cc9c988fdc	30	39	46	48	49	30	34	31
9.	f885927f2cc8d9cfffbd68dcd2fcd5dbc7bfcfc	5ee5927f2cc8d9cfffbd68dce22dcd5dc5cd2f7	14	19	22	26	24	17	17	16
10.	88f8c7f28e2877dccc99e2cdcf75cd878fc82c	7d2cf7d7cc7cc92bcc852797cd925f8e25c9cd2f	34	34	37	39	38	30	29	29
11.	85d82f57c85d7cfc2fffd5dccc59cd888d72ccd	2dc7cff5be2ccd77fc8b7c5d99dffcf2b58bbcc88	29	27	30	34	36	20	24	26
12.	dfcd7d87cf2dccc788c788dfc8e2cf229cfe225d5	8fcf9e2fcc7fb8cc97d8cfccfd7cc8dcdcbdc8d8	28	30	38	39	37	29	28	27
13.	71c85cd7f5c52d75df8dcdc897cd7bc85f9cbfd2	d8d78cfbc8b5df59f22fd7c82d7e288dcfbfc786	31	34	46	41	42	30	33	32
14.	fb2c5c8f8bc0dc0fe282b81d8c958c7db728889	85787cd87c8b8f5fb59587dc079c87cc8ce2ffd5	34	38	49	48	49	32	31	30
15.	10d57bdc287ce2fc9cd5fb7c2c70cf85f87c5bc	e28f7bb8b2bd8c9cfc8f8c2dfbfc9fc52cbc5e2	29	31	39	38	39	29	28	29
16.	c9c8e29c9102d68785627b8e252cdcf7e28d9df5	5cf05db8b2bd8d8e2bb27b8e252cdcf7e28d9df	18	21	29	31	33	22	26	24
17.	dfcc5cf9cf5dbdff758fd27cbcfcd7bccfd5c8c	d88258fcdcd7fbc8d7c5e28df2fc2c277d57cccf	34	35	46	45	49	32	31	30
18.	8db79c827fccf289c7ccc8f2bc28cdc7bf7d	dfcc5cf9cf5dbdff758fd27cbcfcd7bccfd5c8c	31	38	44	46	45	31	32	30
19.	7277fd08cd5f9fc29f5cb8c89e29f8522dcf8d72	dcc8d98cc97288f88dcc9e2fb7c9975557fdcfdc	32	36	42	46	48	30	34	38
20.	58098d5858cbfbce225dbf8f95c5dc9c8fdcc7c9	8cfd9dcdc5e2cfcd2fe297cdc6510dcd87cfdbcb	32	38	44	46	47	30	31	32