

Table 3

The results of the *tequila* CNN polymorphic software detection test with the size of the «state matrix» 64x64 at 3 iterations.

N	The value of the coefficients calculated by the Fadeev-Leverrier method for the activation of the CNN	Control number of contiguous «useful» datasets* (byte)	Number of fragments calculated «useful» datasets ** (byte)	Number of malicious data sets detected and likely links across multiple iterations			Number of malicious datasets detected and likely links across multiple iterations
				I	II	III	
1.	11.365789	44	10	37	44	44	783c183e585f66c8add4bfc29a8b24ed3ddb8f4 783c183e585f66c8add4bfc29a8b24ed3ddb8f4
2.	11.568456	58	12	45	56	57	01eb882c41997101d7f1878c9bae3896fcc205a 01eb882c41997101d7f1878c9bae3896fcc205a
3.	11.930121	64	15	52	61	61	21b39cade148d6275d7e238cc85a630ec88a2a 21b39cade148d6275d7e238cc85a630ec88a2a
4.	12.035648	68	17	59	63	67	7748ab7ab66230a2ff9b32d374ff83d441cbd76 7748ab7ab66230a2ff9b32d374ff83d441cbd76
5.	12.320125	76	21	64	70	72	eeb5665d66cd29c045982308f7d11c4fb9436fb eeb5665d66cd29c045982308f7d11c4fb9436fb
6.	12.986532	79	22	68	75	78	bba3dcc65e8c25de60120e98e0e470ce29b9d4f cf1dab43b4c3f0164efb0e8538e86feb5bbe32b
7.	14.368954	84	25	74	75	83	bad01c9a52ffc5a73e5775a9495292abaf5984 d4e4081fd72927c70553401a9bd05077877005
8.	14.656317	87	28	79	82	86	92ebb4fbb966e93e4a687b103ba711dffe67575 92ebb4fbb966e93e4a687b103ba711dffe67575
9.	14.682156	94	31	82	88	93	804a8ccb53ec3467ac123648b5ce7c39949b2b 9fb45e5826a142d5c768c73b998ed346ab4d44
10.	14.75648	102	35	95	100	101	42c5c75d51b0f24203954b262f5ec4fce8ca7fc 42c5c75d51b0f24203954b262f5ec4fce8ca7fc
11.	15.023441	107	39	95	106	105	840acef9418d52f84a149b5c5e465de5682256c 840acef9418d52f84a149b5c5e465de5682256c
12.	15.230145	112	42	93	110	108	9d33bcae968167585984dd7331981b898e8f90 9d33bcae968167585984dd7331981b898e8f90
13.	15.865421	119	48	108	115	117	8ebc52b98e8f6250c0714acf9fabf41b2f544d9 8ebc52b98e8f6250c0714acf9fabf41b2f544d9
14.	16.956545	127	52	124	125	125	3f29ec91b19bfe9db055c91a0c5529bfa585bcd c3cc3b07c23784af4f8becf612eb6eed6642c
15.	17.365864	185	62	137	145	167	be76bcfcad8a3fe6d66338d85b8acb9e2ec9c3 be76bcfcad8a3fe6d66338d85b8acb9e2ec9c3
16.	18.356621	195	71	172	181	188	0a75abc9a30745f408c25564b33c503c511dd0 cc9872118e087cf72eb1b9a101f13801b0f6cd2
17.	18.563014	215	74	201	206	213	eb4aca24d0119b68c3dd0f707c544c2a8a839e eb4aca24d0119b68c3dd0f707c544c2a8a839e
18.	19.095654	267	81	256	259	267	eeabe99006baf74da2a6c77fda6f09abf2311eb7 eeabe99006baf74da2a6c77fda6f09abf2311eb7
19.	19.236545	295	81	284	292	294	054c339a73a47b6cf11f71893ac28cdf5bbe670 7e1ff2d8fd14c1e44045e44964b56be4e153c17
20.	19.620125	320	90	297	314	317	d0db7cb170531de37e255adc954af44aec0cea3 d0db7cb170531de37e255adc954af44aec0cea3

step 6,9 was verified after 3 iterations, 7,14,16 after 2 iterations,19 after 3 iterations.