APPENDIX A

Locky Hashes

01e2b6fb23d4a6b5250e95fdf47f0d01

053d6ae27d906e6303dd5604262ccd31

05f96e4199d83caa6f5e189016215e45

09f95bd2323574b6edeac8f8e349e4dd

0aa56c23cff79948f977ebd1a470b4ad

0c8f52995d8303837a3be33246658e0c

0fb871b4b329003dd29ed674228e0206

124b76844281e9067654506429437545

1311d9372c3550300d400c3fe83cd867

137e9311d5807974eabb5fa394de0a15

150ffde680083d6e8d814d93fdc5b5e8

1725b728a5225a47e3e6fc0092281071

17e23f44a0bcf6b27f480439714b4688

17f493da40a77f6bc7940f3166e9d89b

1b9f7d4c8a918cc8fb1cddadab9ee81b

1cd414da2994719c23c85f076efed410

1d0687fe7c7c5591f1049ecb84e8cbd9

1ef99356e1b53b6ccc163364a5418bf4

1fa1023e66b05db04d22ed4f57d37651

252957f37b8bd7a57473eab5f1a65d5c

254c5c13dd02a9fccbe2a40ac0b04355

264f16260d200d0501cf83220ed9a30a

27a6dbbc09d4fb7e0912e9fea078f5db

2809b79768b898adc24eb276e5866ce2

28b86d53228b2f5b042db52c3a6341fe

296b0a81f0925c95e01839690c0934bc

297529814d8d292594a1981fad30daa6

2e96ae4983cdec64af16788300c50e9d

2f6a0dd5a5967e533cd78f1942b95b50

3258e4be68770b76315a5059a0cb3199

3b522c3e3fc6cf29a2c8c65a80f14a08

3d91e5f119093cf1639f8d38b35d1742

3dc8d7cee33a5c2fc39c5386146a1d35

3e733108c36c9d407f7a40868d251911

40849d82a14058cbc91d0ecea473d1d8

47380d71be72bb4ff55b5e51f8bdc963

475bd8f697f7ebf88682be5458e4cdd2

527290686ec5515f248d4d20c3bb29df

5341fabc65b3984bf5e0d1718983020c

5695803a695e1dc6443ea09572e6b14c

579eb4f17d08c5061d8cf71b96436a8a

5a5817583b302c651a71f0ddfbe33a6d

5af520ad3507da22aaa756357e78eb57

5db257bb49dddf90d093d17b43eaa9c9

5dce19699be78fa82e32a96aee436c44

5fbdf068522177ac6392fa8f8689ed43

5fc1ccd8530954f61ceeafb77e72045e

6159c5d8a54ab76dec48a795b4b73318

63b695765260d6d1d2a5e5fb88130dfd

66b17e85d778c8aa51ef635858faa8a3

680a02bdae6724c537053f0590b731fd

68aa9f8fdb7c43ebdb4a7b3a6ceb98d2

710f6476ca3029e2017e6472b751127d

71b8d35385ca32cd413c8f708e802c9b

72dd8bc7871f07e2d6320270c60ac451

768b0a09344df69404d2466c5a45aaf0

77287dec5a92a3163c3c88ddecc8ba50

7822f2ca1be80f98649a30fe5441d0ba

7e409b55d878a463e974b50c92cb172d

810c011911151d3e8a064ad44a600421

81e85dcaf482aba2f8ea047145490493

82f32982439cf4fa320a0f9a8e4adc98

85af825a34e5b0c000c6c4b4fa065d82

86b735f30639165462f709e689daffcb

885c4cfbf0b9b7956adcbd5b93688836

89b2bae66f6a8e24396fba2dfa062227

8adbcffe2cb52628afe8d6412c1e3a06

8ed052b3c5c92727f385761786e16eb6

901ef89350b60a992e1a6c67a61dcdab

90eb8948513e21a8c87f8295ac7e81f5

9e3588c7245e6ddec33473e5b4975670

9fd4d9c87668844d3f645b6877d64d89

a01d60682ad5fadc9018908185e8cde3

a1e5fbcfee3aa4a025954774493edab1

a2236e65f3d0849ca2b85775ade093ff

a2c8be7f272bdd1191bdf112ba1aa9ac

a5116b31ab81b6c8fc0c9251dbb6f315

a56722d826d5f222a8385cbc5666b63b

a6bf89594d36f2f5c499efde3c584bd0

a8344ecd79b1c1371526ee06a0a0fcd6

ac4e4c3cb5cc6c068466e937f48adcc8

ad2022689e5de22e2e706b065e148c25

afd40dca335530ec993d9cf91be96b4c

b1c156ff3c59f19e30f96545bea247cf

b1c957ab802f39839f2b92d7d55e7f83

b97ed89e814ad91338a6bdd5f7853566

b986b4396f001e508898baa4ba71367f

ba5a6500cfba0e674f8bd2a62a308ae5

ba7505460a9c758c25bb3de1208cf23f

baaaefc5706911cd0a797808e23544ae

bf1890c2109ac0d6eb6183a98353c2ce

bf664e4a8f36d2de1614984e6982bbb2

c49177a1553b3240dfea69ee09d58b70

c6b7f5336ae4b985b0b523f3db76adbc

c6ff697b6c1b2164ede3fa5fac0e127a

c9be9e7751b8f164d04a31a71d0199c6

c9cbbb6364f51f790585aec9f5fa98cc

cb3425d0e436e358a07c3f38110135a1

cdd120508a1f0ff0b5b18497d67ca349

d35d938cccbccb5b84a19d2271c97ae7

d6e56a430c2c53104ca5b0cd092875b1

d72d9aa76ab313d50f059774d78875de

d98e82be5222b3686d58a625c77ab488

dce1cd7955c0352f86ecd7364f4a3fdb

e4ad8906a152085e7564252b47f6c10d

e52cc2b7136c572838b8a9e2b021bd5b

e57c0d32918eabeb319d1ee52d11df14

e81a50d312fe396641fb781a63667f3e

f08c3b7ace25f1ce76bebd3429762ef8

f0d96cecf681e1f5f1b7dbf9f6a518b6

f5fdc2a9d330a7e607003445edd9dfc2

f7bc8f3b73313b238944e4812a3e4975

fb469897a4536876306ae78e18409be6

fe4985beae55b054259bf14d3a3e50a7

ff06ce7adf8f6cf1973a6845859ff0b5

TeslaCrypt Hashes

005a6963097536bb687192aa0247ef3a

055e612b2818622f50967cf098427c17

06fbbe54ff699d90197e4bcd730571d2

071313017f6e276ba2a800ccf0362014

0ea102aa6196a11eb84cb5a4ecb60f33

0f3f0d90419cc8c91ddcb5c430867707

118064f032f310d3f4af292600f7c7b6

12562a42cd391b27ddafcf8a0b0cfde3

156aca02760e0d7ed1934b666794c45b

1571350e00ba56b2bf23ac751053639b

1938b6e247a686839564ddf99a1c27f8

1b46211a12fc2e419bc77feaddc68053

1cedac81bec37becff994f3bd16b1a92

1dc7fb65a936731dbcaed723419a12f8

2180152ae725f04088dfc9eae68066a6

25c1d151e7377c0cac6572edd3df4a90

285f9f45e19b7933b39d23b9a3ed0563

2881ed786e725d3312121e4e328d9c32

2a481a0c5d2bfe1e7b7c88f1f525b0d8

2e1ed3870d996dd89c1d1db3409424ad

355441d76229368f22e0d903558f1c24

3ad4b974967a3da9767ca80e3227ae4d

4742ed29ab69e60405a75178c6685c9d

48471c25da611c4a50ede7e7408240f4

48cc26a4fcc6a3a09bd81bf8bf773531

48ffaf220f167c19ad9888dba639c0d9

4d8339c4ac3225102e60e4885b443268

4d93fa2270b31acea407a786ce412c21

50aab7f0c52691e1e66d544e43e16987

555ea3963b253263ad89ffcc155d67a3

55b7a77b7c43cfa416a679d8bfa6dfbb

59be3dee06e4440a0acf98a002558bd1

5c4b120733b7dbba4042ee4df4a53bcb

5d5b6c2ef3a7b934ed657681f09abe5e

5f1db9e4cb450d750124e244b520c514

5ff6f37db3d56c3abe8dbfb938b11262

6981409964483b4b7624c1a85f575e21

6a314c7a8f70955e59aa5989587e245a

6e72482c91f40143f2014c3fc4bfca0c

6f9532c7b7d3e508732ded880e6cf831

715bf2f0f539b49f5eabcd784ac4175c

716f15fa7b39ad8d3c46e61096abc7cb

729aedbd826f86b213cfcde2fc1e1743

7444ace98a3e2e588a39fe2d54180530

74bdc7b3c8b04d65de527ebaa5e98c6f

776e822a7d178b76143ce058c87fede6

778d9b3bafbd4a0f74cc32f2483fe0f5

77d66df823582d46b5b41e6837b89ac3

78d8fadc8ddd5f17dcac4411f145c92b

794d2e712252bc8bc682f25cc66c3f3c

795352e779a0105e4c644df3085848a5

79f170cd385b217275e7c7db63899eae

7a0e726d058c1d95c8e09b4394d4e5ea

7af90c3b2578dd9b15078c3ba9ddf7c5

7bef5cfb592e6cfa35fbeae5acaa15d0

7df5f6d611eb67f481a95804c5ce0630

880130a4c1a01e4c611f85576cfd9661

893df996cf724f57f9fa153eb8cf3c43

89dba5be2371073843a4cb8fba81184a

948b2d66e8db1fb7f4c017ce4e381098

951c86cd98b1e181503167299d410857

96469329287b7e2cd7fdfd916addc1a2

96501faa103e99a3408494bb95b04f78

9659d8de6bd1a3648c7a67ee538683e4

99333789293e2198b5c75f69cf978e8f

9b3b9a40b86c7864819fe6b54e0f1725

9f82d05168c593b297f222e35f75d1f2

a0e31da4616857c6e8746d5505b8e43c

a0f02c3c9bfa3845099f100931b4242b

a100eff9dae36b7b3bae3ed072639d99

a1559181f4d306118f589dd86a8a3c30

a4743f759b43493ff32ce5f70b45946d

a56ad8c98d10a1dc1287983bcc6e11fa

a5bcb278884567194108fedcb797e7dc

a601cbb0a15bf9cb4cea80be4b6dcfe8

a8aea9e1d840359af9d7ce6155ff244b

aa7092e36d6ac9f885b8caaf70b57ed4

aaf3ac53fb8961ffc70d29bdbf1d718d

ad60fe328fc3b24f6cc7a5bdb34e0ee3

b0dfa978aaba1f0ae0c79d05b8f804e1

b6cc780f0fbf531f19ce93e29c3148bd

b96fd404534f155f7566947308fd220a

b9f41073806c83a9d44c0c66ce8b55eb

bb75e0ae806040be55b40d452686d770

bc2ed64cb7d0243c7b3c131263077293

bf7118e2fe12f38fa2c41ad3cc843344

c3a4b8692c6bdb0bce16067f150419da

c3cb934d93db52b22c2ce7d03abe8417

c4b14d1478cb8f2f03be946880c8eb96

c731bebaf093da2c82d893df2b58c8fc

c7eef7fb8f346f150cc23db56eb6ebce

ca03464f0ed7235e14485c8e753ea572

cab329ec48c90638556a99e1654d0509

d15eebbfd21479858c044faca86b7756

d5289115d669750f4f8f448842eee8a0

d58e0347714ba9dfa46bc33691a02d87

d5975f208ac5783f4b58e8632cb17c47

d6551e0503967dc7a5a02dad6b1d35f6

d6609f0e82f65102b7d33417f2e8c599

d7a72a833bbca58196537a6345b9f4ed

d907a9616fc14126653d03772fc7de7a

da28166f9ff6bbea1c23b63dcba842f1

dab5ecba74d7113e73a9a625d404edec

db9a3ebf29d902e3177a26aa8dbc2af2

dc0416c30fc4bd13d3527c6119cf9ace

e058ecc0e3853de1f8b727f3cf34dce4

ea7a382a75db24dad6014a4e9c5e0ceb

ed07cf9bb0776107b2c3eedd2fdb8064

f27f3bd810aece963a520583c6481a88

f50c3962458aa054a20d65b061f17bff

f50f693ba762bfb674004a49560a23af

fa67597147f38665cf7470f9936b95cd

fbfd0c1102cb745e583986f3e9cf8ac8

fc00d65b2fc6d46826a4deaebac54896

ff77c722471c1db1084f26a2dfaf64fd

Zeus Hashes

bd07b2a48e75fa30f66be2e1b0b38301

8c1265d8904a7a58e1346442cae5e170

065e6b516c4fab893826103db6aeb5dc

09eb0efbb48e7efe2e19e71edd655f3e

08105db8efec4b2515c00ba92ee8bb47

0d8f9c5898596251233c3fd1dcb34161

0db7da4e3489ba8a2ddfb128422daee2

122d32cf91a5f6a545496e0c7c64355f

14a18b30c40f5a4fafe08e0c21cc5844

177e77d48bdf6424eaf0bbbff2905236

199d04e319f6f8c1e88ab3ddc7ed28d5

c3b4dec5b7de567c7e27fc74e9604a61

1e0058d2e69f3bc4b961451710e2fa06

1fa4764c0c1eae57af50d4a5277886aa

237031fc5cf6b5ed59d8e750b860341f

5e6724fc9399fa65783def8da17c9c9d

6ddcb9b8cd612a955f1e4a97038776b9

29c0e993e5ff6106d93be0b54282831f

2c0244c28036f9cb5f9a703c8b329f2f

2cb6faf81fc9cb701e71d0497a25f1d1

6ac99572c9c7e50f9a26585d29c78b28

1e1b539de3866ab173661a3425e18932

39e80644d53c68c84f21b98f6e556afa

322c39b56988f5a35e64c54633c196ee

3356ebab1bc8aa9e6212f584bdfc7566

338caa225b3906be3bf5399d8cb74df9

33fa98383d855527c1a166ac61f92ec2

ed2f75c41a4db77b4efc83745b2bca82

353f3b54de9ecfd82c63a2aeaf1c3b9c

63f854d00e2b61f5fcaf42f5d0048272

392b86e7d4c9f28e98862e39cff6e49b

06d99e5c2ab8a0669aa1a14ab78c43b5

3a2c75fef3be79b5d8662f121f85b4bb

80ff54e79c59ecc802e96f45c7a2a3ee

f7f79d8821abd3035a3c77b4d1319334

70455144019254c1e663305c2f429893

461f8cb7c8f1dd63b062fe726ea764e2

46ab2d15b560b7a07d39862907290220

c2c30e59e9df7d8212f882873ee2e46b

edd4b084fedf2854d02e35a502ba6f3b

493b3700a1ac3b5b872bf2a516bcb701

8e0f37f2d36aada0ba87f5e66a3c27ff

803bcf844b545a52422deb299b37e034

4e9a5f7e45043f7ce0e2822b947fc117

f8aa5e18c64caa327f9ba3619b5786f8

50220851ac85a9422c35966b433c203b

5054c0c2dad7207eb1aa69f5c48c978f

6abe6beb6fbfff5d36665bacc52761ed

50ea80fd625cfbb549d4cfd60056268a

d2b4f845048382441091f13f2fe14a37

52be0408084f536e42feb7c57f521592

429ebf3b919d8959e39f5c90b22e81dd

ec2d2fe95511881d7b159d19cea3ad23

c455b6ecc5dcd49ea3644b98e2df3289

0074eeee2333c762aca2e61506b605f9

5746dd569623431ba41a247fa64847d7

63992249e966ff33d7555e887ce28595

65b16d40f024b5c1cf8676dc1c252d56

6da10c3719c7bfc5617f6095d08854cc

70a0f9cef4d7a4952eb659b049e98fc7

7331895ea0d778ffef3ab95d3e1c355b

10fb8a43c5ec22df96ee00c535a9d91e

78c00cd8930229a1d34b334f983a633b

b3014782ac4754655f4e4cdc6912dd1e

7a6bbc32868a9f776452355f909f95d6

7b2c587c79dfbdb60d71c0144a3e2ece

7cd6c4a6103f23858c7ed047391f1d3b

7e3b8c6062f7f11fef7cd66d068539c7

805df9572b345cc8691198ed1caba924

82f34481e82f289f89ef69e4eb2abb3a

37dbe09086f5c4cb1b88a7092b00780d

0981cdee9730fdba83d355088b9253ce

86255ec982e822f6b57855d3866618ae

8802d13595da8294c84821e5e3086442

cb9cc726fc2e79877ac9d6d79ceb2ef3

314ebe53dccaf8e8ef20041b6b2d200e

8fad5dfac3671d90dd12792ec81fe595

96383909da192e14760de588761e38ac

9b2162f6148f7ba9a15e2b2424952973

9f890fe67151372e2dcb34d4329eacc6

a79089b5e6744c622d61befa40af77d3

e0d1c49f07bc85f29b744c8eaecd623d

ac2d2fe0bd0c40db038c88cca4a3296f

eb8cea5697eae596cbcdb9fe66bef95b

2d4cdd88b7735780678f1d64c6644cba

8eba22e4dc4211d81e4d88424275b8b9

e305c642a23e5508cff32fac40bd7fba

a99644b1df2f81f1c4a99d65c26a8a79

b73aa307e8c2328f6a7dfde1a1f024fc

ba57db487bb18b15217cbb08c923da50

bd6466701c9e93ab24d77c34d44106a7

be39759c2e6f2685097deae282692851

8febcd2383f7cde2381b9fd969ef6080

c30825c55ddd1b3d93ee6141d44c78ef

8d30ded4c593b81d702a02b5927c036a

6f70a39e1efe106cc1c9720f56b5234a

d2d969b5db07a1dcffab0831907d31b5

d725561817d04a1dd0c889781613b577

f55574038afb0121b29354b58c6fa26c

d86ec2bf5962d1254e08458b17ff9594

d87a03973f8cb42b90a573f831d29bd3

c7b4b8b541f3184e9a797570e0db948d

4fc4a7c030217d415f61c24c3d988175

dcdf3aaed2047d2bc746ab3200667261

d63b0008dfe8d156605c576269ee8bda

e2190f61b532bd51e585449baae31bc1

e015577954d006f81726e2e1ebb9fd99

b5e1caea46402cbbfcb8ca059820ce9f

2055b4979a44542e31f79bd799bc8190

e7c054ea8bc2f66e914ef82841d329fc

e89261b86d55db32261ea9117fefb1aa

915eac13cd5560377ee8e311ab1f4141

ebffa1e446ac21950941ae3463aa2df2

eccfe46a97deef63172aac0ae8771d9a

e9757a42b52258823bbb54948b285acb

Vawtrak Hashes

0155595a3f3983cac36e44c44ea51043

04741d2fe07a12af4f67359b06323128

048d559df99a7fee82fe5fd4dfee900a

0518a55101fb8d32a2a0a87476e11c58

07a06e52f7da1804096cd7d8dd788b38

09747fab1d8c8da1b8f667d4325487c9

0cff5acb425b0c2329b8f2ccfb5da48e

0d218cd48a8f047919a3580a6c0bf18e

0d33a4398c0cb74c19a0c787f6ae9607

110458278211d7f6f29180a78fa125c7

11af34aee811c1caea16df42abf0b44d

14061a4c43074f2a1ef5cec0577cef9f

142ad2c753f1929a3407952fc8ac147d

143c9261b19118863882a2e9793d0840

1629f6ea046aabf00dac4c75186d671f

16b691b9c41227fb9aaf592d7f49c722

199d642f5c50780045085cb5992a52fd

1ce11b53bbfa09ed602c1ce35ea17240

1d59afe9be5899c51c4f62aaa6536e5c

1dd40a9223e0c43e4e5890aa84da1844

1f7a111d89308a76acd71fb540296300

209480561bbd613503a0950211588f4b

211e9145dd724e538362face5740e6e2

23c9644d57ee2ceaa3190b4a3802ca5e

2459882a07e42bac90303970c76f496a

246a4701645764543816d368f7533a04

25f813e97409bf7808756f1913b11102

28b577ce059b5c3851b469911ca637aa

294db9b15714098ed9a39927a2ba49b7

2b58dc3010b1f900039186052d260511

2b6cbbb27dc1e1e39a00bdb1792f75d8

3167a0e34496018beeea371d565df7b3

31b1e70519d0a8ac1303ea89a0d817dc

338496ffced59059ddb0deb4600d0599

34080a4e7c2bb069e525e22e555f60dd

34976648b44273c0b336d2ef89e672db

383aedf16a7aeaf22697d065d39b5111

38df231463bf7a9daab863a701f7c5ee

3c8c835929d22388f285c13e166db6ec

3c8f1e08e774dd503d7528a1d6d49951

4172363f9ef187f0b26e04f9e331501e

4826e1b51599e3eeaa792e9621170324

486dc8c54dd42b13a9aa6cee9e68c01d

4ad9e5c7d7831b83d5e6896e46fc8bbc

4ec46b5f4a90a49641efcf8a69a63e9f

509f565adcf837bc3620a660e6ed0f3e

5238cd34caae600b3f592e2595aa6949

554fe4d3403b8c9d14d5379368c9ab2e

582fff1b4ad586ec754408cef4746656

5d49832e0b536742157adb9abbfaf2a0

5d782464b559d4704cbb1e92d2c9ac95

5de1989820783b8a1d604099c6992dac

5ec10cfc4b29356d1bac2391e596f15f

6040df33d12de69a819812b7799d8bf6

627914b5c8663ca5c3fef7be88c9f3f2

6280dbb8b2b9c5f312a69d864e8d15a8

6359dffafaf53f1d4b7e2d548a9556cf

656eecf683cc39a341d1a7f917a9265f

6740944268a22221d0068dc44980dfcb

6b12d994290a4d993f4314913067a26b

6b87d33b169986cb34f913c14a547f75

6edaef466a97955a842f54e53f205991

6f43b0710c2b25f8eea9598e0955c297

6fad86a0fcc912f32474f6c7a86fe37a

70318fa26583669c7cd41750a078ca16

720336f6320859841694470efa4c6da3

74b6a9e9e474fe7b0f48c83114a5af27

751998344e7d02603b2ca90fd10182be

77dbd2add7fad4917b51ad23eaa6759c

77eb0b78f82573099fde676e225ffaee

786c43da9212a35dcd3364d9a09fe1b3

78bb12d54259582ec8dd4979d5163a8c

78e725ee519827d7e2f146d6fa6ccd10

7ccc57f92ee1132e30141f22bbb385db

7d9b38fad4992247cab2663a1e6ed137

7e63c68446c4260f52062f0bf039e236

842e2cbdea3abc786332e1eeff20a59a

845ced65ee8d3ada63fb940f4dfd4e51

848e99db1bdc96fdbc88d53693f29714

853983fb7f6adaf029a3d2e56818affe

864019d29a63b86bdc13ab7b05f8a8a5

86af5b1b003fa2a570dc45ca247a6274

87161faa7c7edc37bcf3b5005390d32b

8927105aaf53fbb0495be81835474d74

8ee24f9715b6cc5711557d59a1f10581

973fb4955add4ca88d4b661dfdaf6edc

9803e48f685a521a19ec169cb8d0ed41

986a6172364d731a05a473d38a70c7fb

99f8252f6f396993fde32c1dbbbae61a

9ecd0fa456d7d1017dfa68b8ccbcf2e0

9f2273b3ff941ecebe9b04b7ce0a88a6

a080cbde14c4d848e9bde774d02c4c72

a196ecc95993d823ce5902bcd5c81f0e

a4205a51335a9456b15937f3b04a9c28

a4b8431ef102fcd146b6474eaf861b47

a820be855fe1b71e5b59ab00b3c28e65

af06284c0fe4c99d4d3f6b5b562f50a8

af87caba6485c1f0a973d3e1b375bf85

af90001da0ba8db84d1e799ce9a1bb10

b1129746870c0796948d3650184e8978

b1a525127b5f07f733c12c4b7cb58f85

b4cb2af3d9ca46dc2f3444cb1e568c44

b59e65e018a2e39004a1befb2a06f608

b7ff27547bece43a1093b21610a73dad

bd75b5feee0cf481cb808e812a35ab76

c2d1d5b08243a202f328bcc05a1b2ae4

c495c0f57c17436ebe45714d6bf8898e

c6c9660deddf8bd5c4b240ca8f1a877b

c9daac91d4ca3a66ff890d6a6774b161

cc2dc383e026c43949f885152a34018c

ccc611f636bb96bb9e34c3da97f3b8f8

cd81ba783d6dfa812388a66fb0d88e91

d0583d0c51aae77de743cfb29ecac4f9

d0ca560b91e7d8661cc6982f1770bfe0

d7b0bfb55d8d46d8f661a4cb46c531ae