

APPENDIX A

Locky Hashes

01e2b6fb23d4a6b5250e95fdf47f0d01
053d6ae27d906e6303dd5604262ccd31
05f96e4199d83caa6f5e189016215e45
09f95bd2323574b6edeac8f8e349e4dd
0aa56c23cff79948f977ebd1a470b4ad
0c8f52995d8303837a3be33246658e0c
0fb871b4b329003dd29ed674228e0206
124b76844281e9067654506429437545
1311d9372c3550300d400c3fe83cd867
137e9311d5807974eabb5fa394de0a15
150ffde680083d6e8d814d93fdc5b5e8
1725b728a5225a47e3e6fc0092281071
17e23f44a0bcfb627f480439714b4688
17f493da40a77f6bc7940f3166e9d89b
1b9f7d4c8a918cc8fb1cddadab9ee81b
1cd414da2994719c2385f076fed410
1d0687fe7c7c5591f1049ecb84e8cbd9
1ef99356e1b53b6ccc163364a5418bf4
1fa1023e66b05db04d22ed4f57d37651
252957f37b8bd7a57473eab5f1a65d5c
254c5c13dd02a9fcbe2a40ac0b04355
264f16260d200d0501cf83220ed9a30a
27a6dbbc09d4fb7e0912e9fea078f5db
2809b79768b898adc24eb276e5866ce2
28b86d53228b2f5b04d2b52c3a6341fe
296b0a81f0925c95e01839690c0934bc
297529814d8d292594a1981fad30daa6
2e96ae4983cdec64af16788300c50e9d
2f6a0dd5a5967e533cd78f1942b95b50
3258e4be68770b76315a5059a0cb3199
3b522c3e3fc6cf29a2c8c65a80f14a08
3d91e5f119093cf1639f8d38b35d1742
3dc8d7cee33a5c2fc39c5386146a1d35
3e733108c36c9d407f7a40868d251911
40849d82a14058cb9c91d0ceca473d1d8
47380d71be72bb4ff55b5e51f8bdc963
475bd8f697f7ebf88682be5458e4cdd2
527290686ec5515f248d4d20c3bb29df
5341fabcc65b3984bf5e0d1718983020c
5695803a695e1dc6443ea09572e6b14c
579eb4f17d08c5061d8cf71b96436a8a
5a5817583b302c651a71f0ddfbc33a6d
5af520ad3507da22aaa756357e78eb57
5db257bb49ddd90d093d17b43eaa9c9
5dce19699be78fa82e32a96aee436c44
5fbd068522177ac6392fa8f8689ed43
5fc1ccd8530954f61ceefb77e72045e
6159c5d8a54ab76dec48a795b4b73318
63b695765260d6d1d2a5e5fb88130dfd
66b17e85d778c8aa51ef635858faa8a3
680a02bdae6724c537053f0590b731fd
68aa9f8fdb7c43ebdb4a7b3a6ceb98d2
710f6476ca3029e2017e6472b751127d
71b8d35385ca32cd413c8f708e802c9b
72dd8bc7871f07e2d6320270c60ac451
768b0a09344df69404d2466c5a45aaf0
77287dec5a92a3163c3c88ddecc8ba50
7822f2ca1be80f98649a30fe5441d0ba
7e409b55d878a463e974b50c92cb172d
810c01191151d3e8a064ad44a600421
81e85dcacf482aba2f8ea047145490493
82f32982439cf4fa320a0f9a8e4adc98

85af825a34e5b0c000c6c4b4fa065d82
86b735f30639165462f709e689daffcb
885c4cfbf0b9b7956adcb5b93688836
89b2bae66f6a8e24396fba2dfa062227
8adbccfe23a4a025954774493edab1
8ed052b3c5c92727f385761786e16eb6
901ef89350b60a992e1a6c67a61dcdab
90eb8948513e21a8c87f8295ac7e81f5
9e3588c7245e6dddec33473e5b4975670
9fd4d9c87668844d3f645b6877d64d89
a01d60682ad5fadcc9018908185e8cde3
a1e5fbcfee3aa4a025954774493edab1
a2236e65f3d0849ca2b85775ade093ff
a2c8be7f272bdd1191bdf112ba1aa9ac
a5116b31ab81b6c8fc0c9251dbb6f315
a56722d826d5f222a8385cbc5666b63b
a6bf89594d36f2f5c499efde3c584bd0
a8344ecd79b1c1371526ee06a0a0fcd6
ac4e4c3cb5ccc068466e937f48adcc8
ad2022689e5de22e27e06b065e148c25
afd40dca335530ec993d9c9f1be96b4c
b1c156ff3c59f19e30f96545bea247cf
b1c957ab802f39839f2b92d7d55e7f83
b97ed89e814ad91338a6bdd5f7853566
b986b4396f001e508898baa4ba71367f
ba5a6500cfba0e67f48bd2a62a308ae5
ba7505460a9c758c25bb3de1208cf23f
baaaefc5706911cd0a797808e23544ae
bf1890c2109ac0d6eb6183a98353c2ce
bf664e4a8f36d2de1614984e6982bbb2
c49177a1553b3240dfa69ee09d58b70
c6b7f5336ae4b985b0b523f3db76adbc
c6ff697b6c1b2164ede3fa5fac0e127a
c9be9e7751b8f164d04a31a71d0199c6
c9cbbb6364f51f790585aec9f5fa98cc
cb3425d0e436e358a07c3f38110135a1
cdd120508a1f0ff0b5b18497d67ca349
d35d938cccbcc5b84a19d2271c97ae7
d6e56a430c2c53104ca5b0cd092875b1
d72d9aa76ab313d50f059774d78875de
d98e82be5222b3686d58a625c77ab488
dce1cd7955c0352f86ecd7364f4a3fdb
e4ad8906a152085e7564252b47f6c10d
e52cc2b7136c572838b8a9e2b021bd5b
e57c0d32918eabeb319d1ee52d11df14
e81a50d312fe396641fb781a63667f3e
f08c3b7ace25f1ce76bebd3429762ef8
f0d96cecf681e1f5f1b7dbf9f6a518b6
f5fdc2a9d330a7fe607003445edd9dfc2
f7bc8f3b73313b238944e4812a3e4975
fb469897a4536876306ae78e18409be6
fe4985beae55b054259bf14d3a3e50a7
ff06ce7adf8f6cf1973a6845859ff0b5

TeslaCrypt Hashes

005a963097536bb687192aa0247ef3a
055e612b2818622f50967cf098427c17
06fbbbe54ff699d90197e4bcd730571d2
071313017f6e276ba2a800ccf0362014
0ea102aa6196a11eb84cb5a4ecb60f33
0f3f0d90419cc8c91ddcb5c430867707
118064f032f310d3f4af292600f7c7b6
12562a42cd391b27ddafcf8a0b0cfde3
156aca02760e0d7ed1934b666794c45b
1571350e00ba56b2bf23ac751053639b

1938b6e247a686839564ddf99a1c27f8
1b46211a12fc2e419bc77feaddc68053
1cedac81bec37becff994f3bd16b1a92
1dc7fb65a936731dbcaed723419a12f8
2180152ae725f0408dfc9eae68066a6
25c1d151e7377c0cac6572edd3df4a90
285f9f45e19b7933b39d23b9a3ed0563
2881ed786e725d3312121e4e328d9c32
2a481a0c5d2bfe1e7b7c88f1f525b0d8
2e1ed3870d996dd89c1d1db3409424ad
355441d76229368f22e0d903558f1c24
3ad4b974967a3da9767ca80e3227ae4d
4742ed29ab69e60405a75178c6685c9d
48471c25da611c4a50ede7e7408240f4
48cc26a4fcc6a3a09bd81bf8bf773531
48ffaf220f167c19ad988dba639c0d9
4d8339c4ac3225102e60e4885b443268
4d93fa2270b31acea407a786ce412c21
50aab7f0c52691e1e66d544e316987
555ea3963b253263ad89ffcc155d67a3
55b7a77b7c43cfa416a679d8bfa6dfbb
59be3dee06e4440a0acf98a002558bd1
5c4b120733b7dbba0402ee4df4a53bcb
5d5b6c2ef3a7b934ed657681f09abe5e
5f1db9e4cb450d750124e244b520c514
5ff6f37db3d56c3abe8dbfb938b11262
6981409964483b4b7624c1a8f5f75e21
6a314c7a8f70955e59aa5989587e245a
6e72482c91f40143f2014c3fc4bfca0c
6f9532c7b7d3e508732ded880ec6cf831
715bf2f0f539b49f5eabdc784ac4175c
716f15fa7b39ad8d3c46e61096abc7cb
729aedbd826f86b213cfcde2fc1e1743
7444ace98a3e2e588a39fe2d54180530
74bdc7b3c8b04d65de527ebaa5e98c6f
776e822a7d178b76143ce058c87fed6
778d9b3bafbd4a0f74cc32f2483fe0f5
77d66df823582d46b5b41e6837b89ac3
78d8fadcd8dd5f17dcac4411f145c92b
794d2e712252bc8bc682f25cc66c3f3c
795352e779a0105e4c644d584a8a5
79f170cd385b217275e7c7db63899eae
7a0e726d058c1d95c8e09b4394d4e5ea
7af90c3b2578dd9b15078c3ba9ddf7c5
7bef5cfb592e6cfa35fbae5acaa15d0
7df5f6d611eb67f481a95804c5ce0630
880130a4c1a01e4c611f85576cfd9661
893df996cf724f57f9fa153eb8cf3c43
89dba5be2371073843a4cb8fba81184a
948b2d66e8db1fb7f4c017ce4e381098
951c86cd98b1e181503167299d410857
96469329287b7e2cd7dfd916adddc1a2
96501faa103e99a3408494bb95b04f78
9659d8de6bd1a3648c7a67ee538683e4
99333789293e2198b5c75f69cf978e8f
9b3b9a40b86c7864819fe6b54e0f1725
9f82d05168c593b297f222e35f75d1f2
a0e31da4616857c6e8746d5505b8e43c
a0f02c3c9bfa3845099f100931b4242b
a100eff9dae36b7b3bae3ed072639d99
a1559181f4d306118f589dd86a8a3c30
a4743f759b43493ff32ce5f70b45946d
a56ad8c98d10a1dc1287983bcc6e11fa
a5bcb278884567194108fedcb797e7dc
a601cbb0a15bf9cb4cea80be4b6dcfe8
a8aea9e1d840359af9d7ce6155ff244b
aa7092e36d6ac9f885b8caaf70b57ed4

aaf3ac53fb8961ffc70d29bdbf1d718d
ad60fe328fc3b24f6cc7a5bdb34e0ee3
b0dfa978aaba1f0ae0c79d05b8f804e1
b6cc780f0fb531f19ce93e29c3148bd
b96fd404534f155f73be946880f220a
b9f41073806c83a9d44c0c66ce8b55eb
bb75e0ae806040be55b40d452686d770
bc2ed64cb7d0243c7b3c131263077293
bf7118e2fe12f38fa2c41ad3cc843344
c3a4b8692c6bdb0bce16067f150419da
c3cb934d93db52b22c2ce7d03abe8417
c4b14d14738cf15f2f03be946880f220a
c731beba093da2c82d893df2b58c8fc
c7eef7fb8f346f150cc23db56eb6ebce
ca03464f0ed7235e14485c8e753ea572
cab329ec48c90638556a99e1654d0509
d15eebbfd21479858c044faca86b7756
d5289115d669750f4f8f448842eee8a0
d58e0347f14ba9d4a6bc33691a02d87
d5975f208ac5783fb458e8632cb17c47
d6551e0503967dc7a5a02dad6b1d35f6
d6609f0e82f65102b7d3341f72e8c599
d7a72a833bbca58196537a6345b9f4ed
d907a9616fc14126653d03772fc7de7a
da28166f9ff6bbea1c23b63dcba842f1
dab5ecba74d7113e73a9a625d404edec
db9a3ebf29d902e3177a26aa8dbc2af2
dc0416c30fc4bd13d3527c6119cf9ace
e058ecc0e3853de1f8b727f3cf34dce4
ea7a382a75db24dad6014a4e9c5e0ceb
ed07cf9bb0776107b2c3eedd2fdb8064
f27f3bd810aeece963a520583c6481a88
f50c3962458aa054a20d65b061f17bff
f50f693ba762bfb674004a49560a23af
fa67597147f38665cf7470f9936b95cd
fbfd0c1102cb745e583986f3e9cf8ac8
fc00d65b2fc6d46826a4deaebac54896
ff77c722471c1db1084f26a2dfaf64fd

Zeus Hashes

bd07b2a48e75fa30f66be2e1b0b38301
8c1265d8904a7a58e1346442cae5e170
065e6b516c4fab893826103db6aeb5dc
09eb0efbb48e7efe2e19e71eddd655f3e
08105db8efec4b2513c00ba92ee8bb47
0d8f9c5898596251233c3fd1dcb34161
122d32cf91a5f6a545496e0c7c64355f
14a18b30c40f5a4fafa08e0c21cc5844
177e77d48bd6424eaf0bbbff2905236
199d04e319f6f8c1e88ab3ddc7ed28d5
c3b4dec5b7de567c7e27fc74e9604a61
1e0058d2e69f3bc4b961451710e2fa06
1fa4764c0c1eae57af50d4a5277886aa
237031fc5cf6b5ed59d8e750b860341f
5e6724fc9399fa65783def8da17c9c9d
6ddcb9b8cd612a955f1e4a97038776b9
29c0e993e5ff6106d93be0b54282831f
2c0244c28036f9cb5f9a703c8b329f2f
2cb6faf81fc9cb701e71d0497a25f1d1
6ac99572c9c7e50f9a26585d29c78b28
1e1b539de3866ab173661a3425e18932
39e80644d53c68c84f21b98f6e556afa
322c39b56988f5a35e64c54633c196ee
3356ebab1bc8aa9e6212f584bdfc7566
338caa225b3906be3bf5399d8cb74df9

33fa98383d855527c1a166ac61f92ec2
ed2f75c41a4db77b4efc83745b2bca82
353f3b54de9ecfd82c63a2aeaf1c3b9c
63f854d00e2b61f5fcfaf42f5d0048272
392b86e7d4c9f28e98862e39cfff6e49b
06d99e5c2ab8a0669aa1a14ab78c43b5
3a2c75fef3be79b5d8662f121f85b4bb
80ff54e79c59ecc802e96f45c7a2a3ee
f7f79d8821abd3035a3c77b4d1319334
70455144019254c1e663305c2f429893
461f8cb7c8f1dd63b062fe726ea764e2
46ab2d15b560b7a07d39862907290220
c2c30e59e9df7d8212f882873ee2e46b
edd4b084fedf2854d02e35a502ba6f3b
493b3700a1ac3b5b872bf2a516bcb701
8e0f37f2d36aada0ba87f5e66a3c27ff
803bcf844b545a52422deb299b37e034
4e9a5f7e45043f7ce0e2822b947fc117
f8aa5e18c6caa327f9ba3619b5786f8
50220851ac8a59422c35966b433c203b
5054c0c2dad7207eb1aa69f5c48c978f
6abe6beb6fbfff5d36665bacc52761ed
50ea80fd625cfbb549d4cfd60056268a
d2b4f845048382441091f13f2fe14a37
52be0408084f536e42feb7c57f521592
429ebf3b919d8959e39f5c90b22e81dd
ec2d2fe95511881d7b159d19cea3ad23
0074eeee2333c762aca2e61506b605f9
5746dd569623431ba41a247fa64847d7
63992249e966ff33d7555e887ce28595
65b16d40f024b5c1cf8676dc1c252d56
6da10c3719c7bfc5617f6095d08854cc
70a0f9cef4d7a4952eb659b049e98fc7
7331895ea0d778ffef3ab95d3e1c355b
10fb8a43c5ec22df96ee00c535a9d91e
78c00cd8930229a1d34b334f983a633b
b3014782ac4754655f4e4cdc6912dd1e
7a6bbc32868a9f776452355f909f95d6
7b2c587c79dfbdb60d71c0144a3e2ece
7cd6c4a6103f23858c7ed047391f1d3b
7e3b8c6062f7f11fef7cd66d068539c7
805df9572b345cc8691198ed1caba924
82f34481e82f289f89ef69e4eb2abb3a
0981cdee9730fdbab83d355088b9253ce
86255ec982e822f6b57855d3866618ae
8802d13595da8294c84821e5e3086442
cb9cc726fc2e79877ac9d6d79ceb2ef3
314ebe53dccaaf8e8ef20041b6b2d200e
8fad5dfac3671d90dd12792ec8d1fe595
96383909da192e14760de588761e38ac
9b2162f6148f7ba9a15e2b2424952973
9f890fe67151372e2dc34d4329eacc6
a79089b5e6744c622d61befa40af77d3
e0d1c49f07bc85f29b744c8eaeacd623d
ac2d2fe0bd0c40db038c88ca4a3296f
eb8cea5697eae596cbcd9f9e66bef95b
2d4cdd88b7735780678f1d64c6644cba
8eba22e4dc4211d81e4d88424275b8b9
e305c642a23e5508cff32fac40bd7fba
a99644b1df2f81f1c4a99d65c26a8a79
b73aa307e8c2328f6a7dfde1a1f024fc
ba57db487bb18b15217cbb08c923da50
bd6466701c9e93ab24d73c34d44106a7
be39759c2e6f2685097deae282692851
8febcd2383f7cde2381b9fd969ef6080
c30825c55ddd1b3d93ee6141d44c78ef
6f70a39e1efe106cc1c9720f56b5234a

d2d969b5db07a1dcffab0831907d31b5
d725561817d04a1dd0c889781613b577
f55574038afb0121b29354b58c6fa26c
d86ec2bf5962d1254e08458b17ff9594
d87a03973f8cb42b9fca5a73f831d29bd3
c7b4b8b541f3184e9a797570e0db948d
4fc4a7c030217d415f61c24c3d988175
dcdf3aaed2047d2bc746ab3200667261
d63b0008dfe8d156605c576269ee8bda
e2190f61b532bd51e585449baae31bc1
e015577954d006f81726e2e1ebb9fd99
b5e1caea46402cbfbcb8ca059820ce9f
2055b4979a44542e31f79bd799bc8190
e7c054ea8bc2f66e914ef82841d329fc
e89261b86d55db32261ea9117feffb1aa
915eac13cd5560377ee8e311ab1f4141
ebffa1e446ac21950941ae3463aa2df2
eccfe46a97deef63172aac0ae8771d9a
e9757a42b52258823bbb54948b285acb
a7d168823ab98e958176e4b7b54d95cb
71b2be350e0564459cfc978e7a393cd9
f76a509fee28c5f65046d6dc072658b2
f7d66e3f5e8bae163b388eb2234162eb

Vawtrak Hashes

8dcc59d80187e7092cf7a42af25aef49
628e487c639a60f018857b509dbd2fda
8987150ad8cfa3573c48be37749afa7f
9fdcl2aa9f7e7ec1f9cbdda84d2d29cfc
dcca66d2f152ed0f30689bf957a51996
1f7a111d89308a76acd71fb540296300
4dff9c669528db097676d5103f940038
d3938c66b07729195fd98370fed5a163
d19fae78c3f0c118727fe4e3a36371e2
0999aac89b5512f4741d66d0fb7736ab
0ca560b91e7d8661cc6982f1770bfe0
96ee1fdf55edd1814eb101394d697b2b
0518a55101fb8d32a2a0a87476e11c58
2d3eca4cca62ba80b90845d84798f445
03cef21c061b7e2bbacd3565e4cb6ce2
dbedb7a1d28374944d810f79a35aec4e
f22ebe5ff3430b3f76525b237d1666ab
0d218cd48a8f047919a3580a6c0bf18e
af87caba6485c1f0a973d3e1b375bf85
aa78a033b2a12a09e1abd46f14ac1094
b6002927e80fb0b2b6dc47ae1812e593
a4b639f0e006f26a49e060cb7f1fe1b5
af7fd98c9da738526e1dda0e1097c64e
de34014de4233e19b9b2f79f1aed660e
bb1048e1b097a6f8e859f64f4c476d96
77dbd2add7fad4917b51ad23eaa6759c
13d268397be051fa4d4cc77e9c993693
114a7715e6a392e55163fcdcf1e732ca
3167a0e34496018beeeaa371d565df7b3
ec51d6c059dc383b83c82ce4e29f3a31
b7d12a011c8dcfe7e951a1ffed6460a2
986a6172364d731a05a473d38a70c7fb
b1a525127b5f07f733c12c4b7cb58f85
222407dac5bebfcd9dd4df5a30ad24b92
932482c62e72f05614d717b0b9684a16
a817ae1dba7120aaf9395618ff63d94b
c6c9660deddf8bd5c4b240ca8f1a877b
38df231463bf7a9daab863a701f7c5ee
05124b57116e4d934a50e2ba88a3eb7e
be1f9b5e50b4da5830b3f149bd0efc2f

11c4ea4c105ef6353f5b49674283fbad
93c9ae1339ff9574260ed816aae49232
b59e65e018a2e39004a1befb2a06f608
6280dbb8b2b9c5f312a69d864e8d15a8
2cb257c1ec6c4140f1a24b84310430cf
d1a2a48088fbceaf56cc8968bc5ffcc9
6315cc598f02690b0e1d5047c77bc0f2
7caf1331f54f81da0b4b6ebd0d611aa3
ceaddbd3682069488c857a80b55a6aa8
5a332593e734839b7136c30446a7cd1d
a4205a51335a9456b15937f3b04a9c28
eb90b5648469171d689a042be0118946
9bed000ece49f946e0dfc2a7aad8e743
486dc8c54dd42b13a9aa6cee9e68c01d
5d8d97e173bb17d4f551dc1bbcbcd7a2
7bff6c797530192b634e2f120e649671
20d09918e20cf8f9fd302cc3c767ff64
af614d0e25a70f598568c6f251bc3187
85e98a0325b750eb2a5400d3de373e72
78bb12d54259582ec8dd4979d5163a8c
ac03783e31b5fc2e0ebe2e77a6d49c48
0ca834d0eb27e091ca66a461969c24be
d56f28283054f4d2de073de22f5600d4
50752cadce59980232fddb70352d9a93
de82d9b5f27daaee2fceb09448a02255
eb05400ce2aebdda2168e10ac8c2b2fd
ef4cddb5bfa035077168835816a6751
14061a4c43074f2a1ef5cec0577cef9f
f6ca365f77b05e6cb2e3a5b387d52995
6040df33d12de69a819812b7799d8bf6
439fe9f1777e285c7ae5dd989fba63c1
77eb0b78f82573099fde676e225ffae
338496ffced59059ddb0deb4600d0599
b4cb2af3d9ca46dc2f3444cb1e568c44
853983fb7f6adaf029a3d2e56818affe
07a06e52f7da1804096cd7d8dd788b38
9803e48f685a521a19ec169cb8d0ed41
cd81ba783d6dfa812388a66fb0d88e91
848e99db1bdc96fdb88d53693f29714
c2d1d5b08243a202f328bcc05a1b2ae4
04741d2fe07a12af4f67359b06323128
87161faa7c7edc37bcf3b5005390d32b
e9da6328f72f9023edb45c6d236f6c1c
211e9145dd724e538362face5740e6e2
6f43b0710c2b25f8eea9598e0955c297
af06284c0fe4c99d4d3f6b5b562f50a8
5ec10cfc4b29356d1bac2391e596f15f
554fe4d3403b8c9d14d5379368c9ab2e
864019d29a63b86bdc13ab7b05f8a8a5
048d559df99a7fee82fe5fd4dfee900a
110458278211d7f6f29180a78fa125c7
142ad2c753f1929a3407952fc8ac147d
16b691b9c41227fb9aaf592d7f49c722
199d642f5c50780045085cb5992a52fd
1d59afe9be5899c51c4f62aaa6536e5c
1dd40a9223e0c43e4e5890aa84da1844
209480561bbd613503a0950211588f4b
25f813e97409bf7808756f1913b11102
28b577ce059b5c3851b469911ca637aa
31b1e70519d0a8ac1303ea89a0d817dc
34080a4e7c2bb069e525e22e555f60dd
34976648b44273c0b336d2ef89e672db
3c8f1e08e774dd503d7528a1d6d49951
4172363f9ef187f0b26e04f9e331501e
4826e1b51599e3eeaa792e9621170324
6359dffafaf53f1d4b7e2d548a9556cf
6b87d33b169986cb34f913c14a547f75

6edaef466a97955a842f54e53f205991
786c43da9212a35dcd3364d9a09fe1b3
7ccc57f92ee1132e30141f22bbb385db
7d9b38fad4992247cab2663a1e6ed137
842e2cbdea3abc786332e1eeff20a59a
845ced65ee8d3ada63fb940f4dfd4e51
86af5b1b003fa2a570dc45ca247a6274
8927105aaf53fbb0495be81835474d74