Certificate of Blockchain Timestamp Verification

Strain Name: BCP-Lf-NoMET

Sample Name: BCP-Lf-NoMET-20240730

Registrant: Zamir Punja

Stamped FileName: RSP13191_blockchain.vcf.gz

Stamped File SHA-256 Hash: `c81f79814764b72ef4554b546db000068eb61d505327591faf83a06e390b4952`

OTS File: RSP13191_blockchain.vcf.gz.ots

OTS SHA-256 Hash: `959f1e0c41ed1ee851f7a0f454574b38fa571e85301eb24306d088930a269f16`

Block	Date	Transaction ID	Merkle Root	Verified	QR
869311	2024-11-07	00000000...1620490a	153db96f...6e47abc9	✔	
869320	2024-11-07	00000000...11126a1e	5bd48191...b0b5e116	✔	
869324	2024-11-07	00000000...a449d931	98a0ccb7...12d37df4	✔	
869333	2024-11-07	00000000...07c7ae23	700f6221...6c8ad13c	✔	

Success! Your file is blockchain-stamped

2024-11-07 21:28:39 UTC

VALIDATED

OTS File Hex Contents (copy/paste friendly)

```
004f70656e54696d657374616d7073000050726f6f6600bf89e2e884e892940108c81f79814764b72ef4554b546db000068eb61d505327591faf83a06e390b4952f010daad3e2361f1796a29f61854bd3c689708fff01015d4ebacbbdcb7254ed2bc699557051508f0
20ce1351fc627550ad356213eae10cc5d848a7d3247692ffe99f7a0b1f2cdc9cad08f020430c955ca0bd98fdb300de6a9994fcfefc5c80946c910a5aa00375b48b1a05d008f104672cd6d6f008eec7dd0448cc00690083dfe30d2ef90c8e292868747470733a2f2f66
696e6e65792e63616c656e6461722e657465726e69747977616c6c2e636f6dfff0101e2a5c21c90e771fecd692727d2d6cdd08f120034fbd522d7d50c5cf56af25a99eae40bd9e79b8884b1d56abdb9b8061ab7d9c08f02091646e7df43c4cf2f1e146d1ddeb252025
7a9735ba048db04b3e3e2e1e3a8dab08f104672cd6d5f0088c9abb2754e0e7940083dfe30d2ef90c8e2e2d68747470733a2f2f616c6963652e6274632e63616c656e6461722e6f70656e74696d657374616d70732e6f7267fff010ba37249463ec74a0e85ed083c7a1
d3d508f104672cd6d5f00897d90029f65b0fbc0083dfe30d2ef90c8e2322687474707 33a2f2f6274632e63616c656e6461722e636174616c6c6178792e636f6df010c107a76cf9eee4a4c88b7f9a08bc807d08f104672cd6d6f008051d95a80b4f95ca0083dfe30d2e
f90c8e2c2b68747470733a2f2f626f622e6274632e63616c656e6461722e6f70656e74696d657374616d70732e6f7267
```

What is this?

The OTS file detailed above can be downloaded with the provided link, but in the event that the OTS file is no longer available for download, it can be recreated using the above HEX textblock.

1. Copy/paste this into a text file, e.g., RSP13191_ots.hex

2. Convert this to an .ots file using a webserver:

https://tomeko.net/online_tools/hex_to_file.php

Alternatively, use the command line:

xxd -r -p RSP13191_ots.hex > RSP13191_blockchain.vcf.gz.ots

Example: Successfully Validated OpenTimestamps file

Using your stamped file and corresponding OTS file, validate at:

https://opentimestamps.org/#stamp-and-verify

This stamp verifies the file's existence at a specific point in time. Validation can be done independently of Medicinal Genomics® using open-source tools. The necessary OTS file to perform this validation can be recreated from this PDF. Medicinal Genomics® does not guarantee that the stamped file will be hosted on their servers indefinitely. Therefore, it is strongly recommended that owners download and securely retain their stamped files.

