Certificate of Blockchain Timestamp Verification

Strain Name: BCP-Rt-NoMET

Sample Name: BCP-Rt-NoMET-20240730

Registrant: Zamir Punja

Stamped FileName: RSP13193_blockchain.vcf.gz

Stamped File SHA-256 Hash: `00dc651ffc321255d14050158c3b60e652caeb15b315e6d3623cf7404ee0fd5f`

OTS File: RSP13193_blockchain.vcf.gz.ots

OTS SHA-256 Hash: `4cef6c0135db257e1a5c150d400e5f171a08b283a8128fe6df178e302d12982d`

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)

```
004f70656e54696d657374616d7073000050726f6f6600bf89e2e884e89294010800dc651ffc321255d14050158c3b60e652caeb15b315e6d3623cf7404ee0fd5ff010cb671806e6b5f3d1fa48e9246b31768d08fff010508db8b61520dc07b307324616d1d53c08f1
04672cd7f2f0089ed0bfb8c3a42e6f0083dfe30d2ef90c8e2c2b68747470733a2f2f626f622e6274632e63616c656e6461722e6f70656e74696d657374616d70732e6f7267fff0108856b06ba6a5ec356da14cc3941f14dc08f104672cd7f2f008f4d636ce5faa8e86
0083dfe30d2ef90c8e2322687474703733a2f2f6274632e63616c656e6461722e636174616c6c6178792e636f6dfff010ca61535f60d7adecb02d7809d48e11ca08f120a6af4545cb5c1e903103661bfefdde764f5c0a5c70a9414dc9ddde260438ff0f08f104672cd7
f2f0084dbd7a20c652843e0083dfe30d2ef90c8e2928687474703733a2f2f66696e6e65792e63616c656e6461722e657465726e69747977616c6c2e636f6df010cc8ba64348556e60e02729ebe68407a108f1207bb867a6665e7fccf662814295771fa2fe57635e625e
69a03f472663dc467e7f08f104672cd7f2f00817fc890eca7172440083dfe30d2ef90c8e2e2d68747470733a2f2f616c6963652e6274632e63616c656e6461722e6f70656e74696d657374616d70732e6f7267
```

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., RSP13193_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 RSP13193_ots.hex > RSP13193_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.

