

HD Punks FloorDAO Research Report

Quantitative: (Data from 06/04/2022)

Overview and Holders:

Collection Age: **Born 29/6/21**

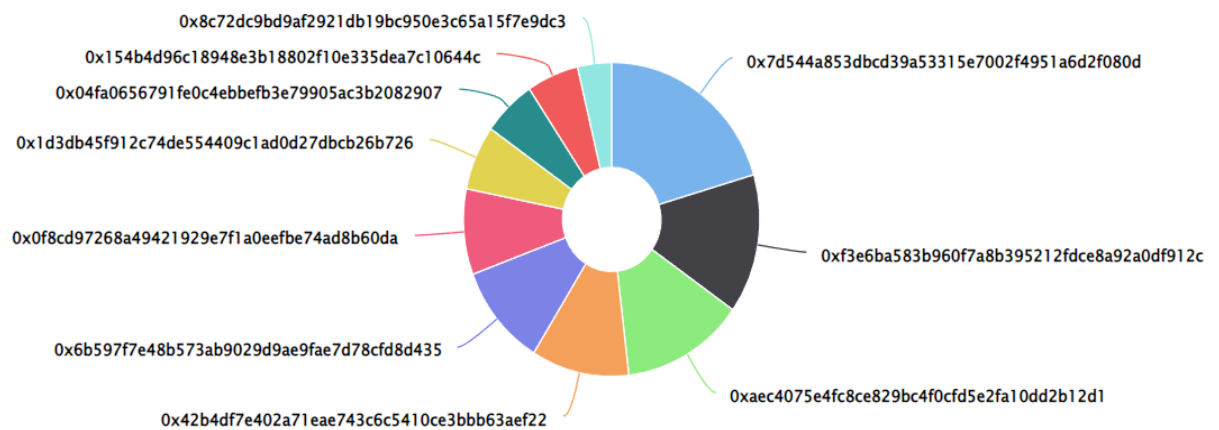
Collection Type (game, PFP, generative, land, music, photography): **PFP**

Collection Size: **10,000**

Unique Holders: [1,170](#)

HD Punks Top 10 Token Holders

Source: Etherscan.io



(A total of 4,571.00 tokens held by the top 10 accounts from the total supply of 10,000 tokens)

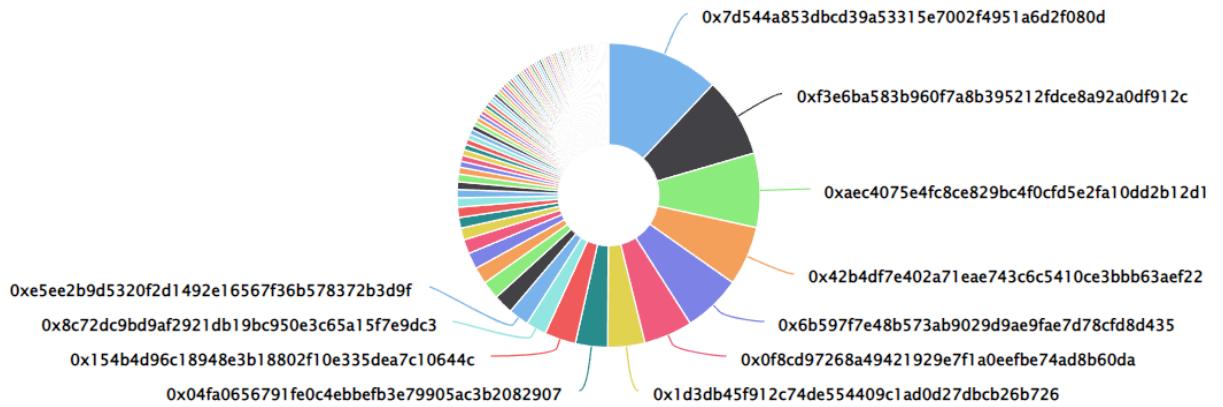
Source:

<https://etherscan.io/token/tokenholderchart/0x3e86e26915403ae0e1cff7e7b23377b3a30104a0?range=10>

Note: 0x42b4df7e402a71eae743c6c5410ce3bbb63aef22 (HDPUNK) and 0x0f8cd97268a49421929e7f1a0eefbe74ad8b60da (HDPUNKR), (8.91% of supply) is already in NFTX vaults.

HD Punks Top 100 Token Holders

Source: Etherscan.io



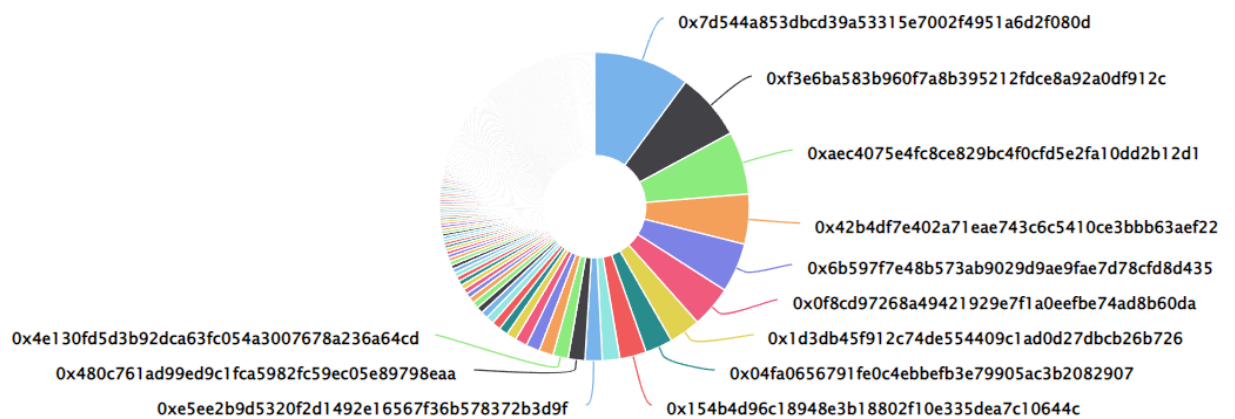
7,739.00 tokens held by the top 100 accounts from the total supply of 0.00 token)

Source:

<https://etherscan.io/token/tokenholderchart/0x3e86e26915403ae0e1cff7e7b23377b3a30104a0?range=100>

HD Punks Top 500 Token Holders

Source: Etherscan.io

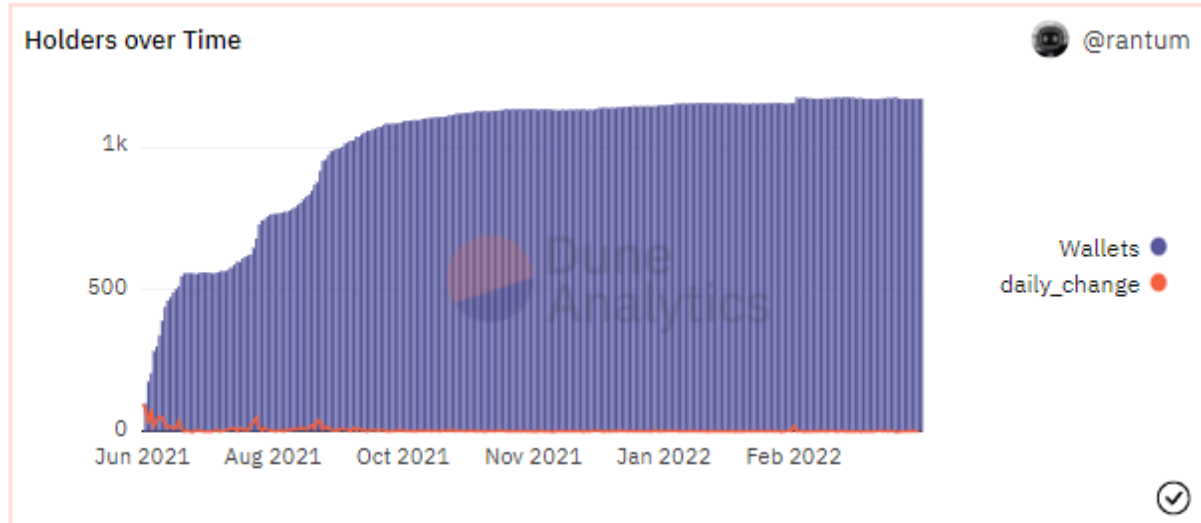


9,292.00 tokens held by the top 500 accounts from the total supply of 0.00 token)

Source:

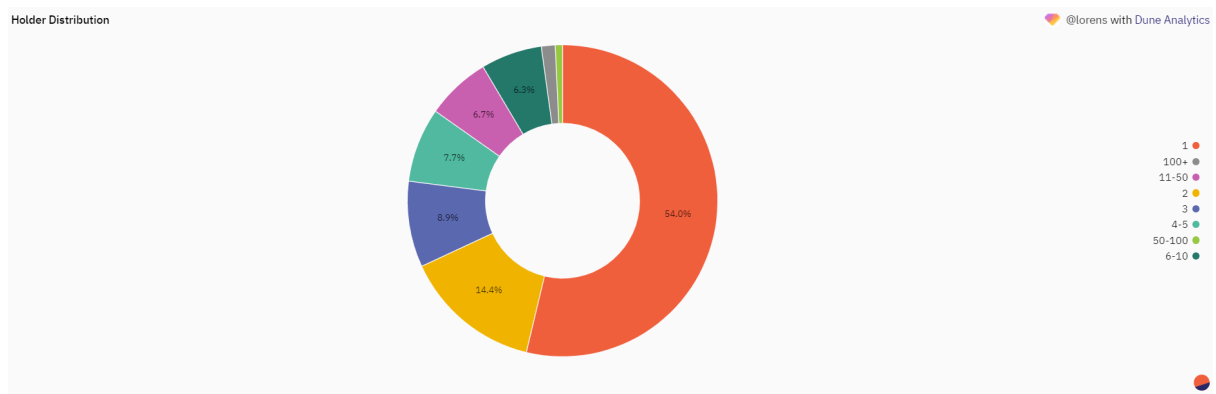
<https://etherscan.io/token/tokenholderchart/0x3e86e26915403ae0e1cff7e7b23377b3a30104a0?range=500>

Unique Holders Growth:



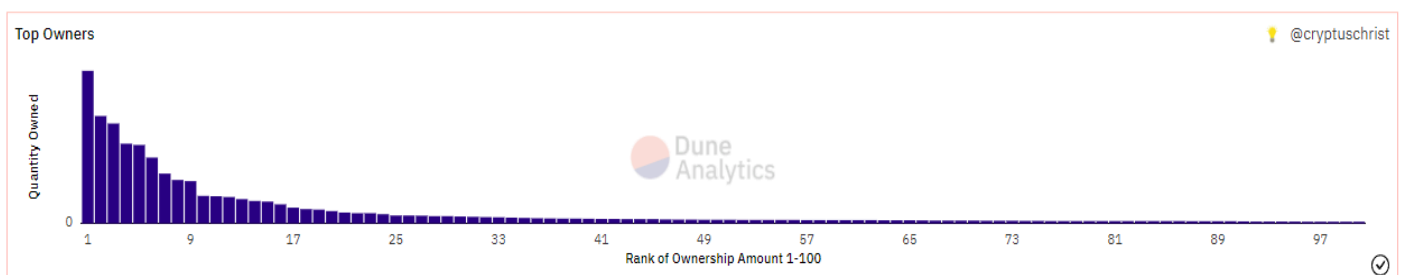
Source:

https://dune.xyz/rantum/NFT-Collection-Dashboard?contract_address=x3e86e26915403ae0e1cff7e7b23377b3a30104a0



Source: <https://www.gem.xyz/collection/hd--punks/analytics>

Nakamoto Coefficient (% of holders holding 20% of supply):



Source: https://dune.xyz/cryptuschrist/CUSTOM-NFT-Dashboard?NET%20Contract_t7ebf5=0x3e86e26915403ae0e1cff7e7b23377b3a30104a0

Marketplace and Sales:

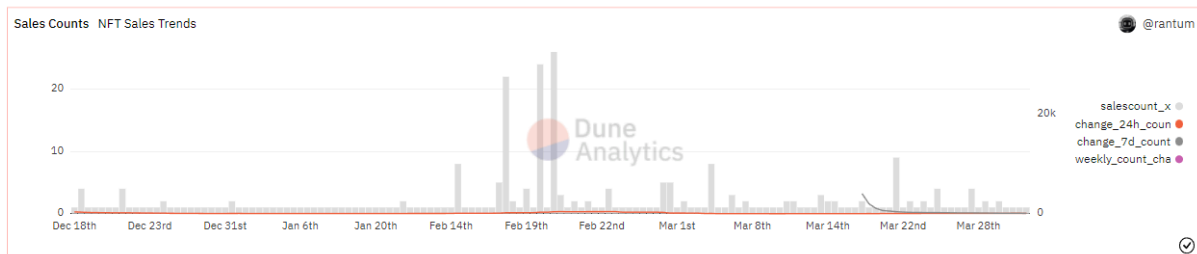
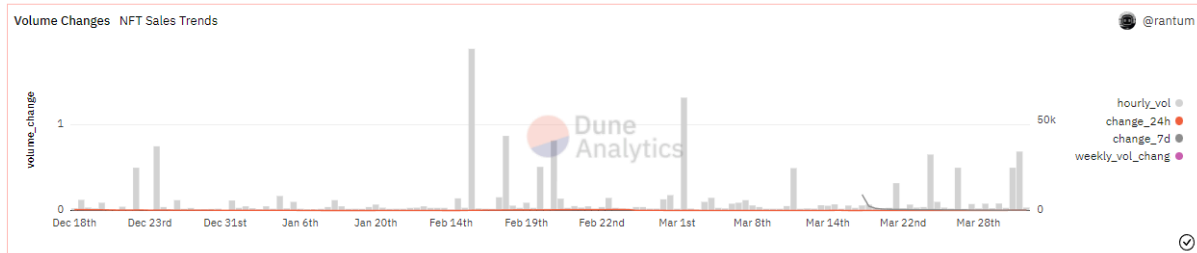
Floor Cap: **HDPUNK vault, details below.**

Floor Price: **.026 on gem.xyz**

of Floors (defined as 1 - 1.4x floor price): **1000+ including NFTX vaults**

Volume (All time/90D/30D): **278.08 eth/12.1732 eth/4.9299 eth**

Velocity (90D/30D):



Source:

https://dune.xyz/rantum/NFT-Collection-Dashboard?contract_address=x3e86e26915403ae0e1cff7e7b23377b3a30104a0

of Listings (via Gem.xyz): **809** However, this does not include the project's HDPUNKR or HDPUNKH vaults. Removing NFTX, there are 321 NFTs listed on Gem.

Source(s):

<https://www.gem.xyz/collection/hd--punks/>

[https://opensea.io/activity/hd--punks?collectionSlug=hd--punks&search\[isSingleCollection\]=true&search\[eventTypes\]\[0\]=AUCTION_SUCCESSFUL](https://opensea.io/activity/hd--punks?collectionSlug=hd--punks&search[isSingleCollection]=true&search[eventTypes][0]=AUCTION_SUCCESSFUL)

<https://looksrare.org/collections/0x3E86e26915403ae0E1CFf7E7b23377b3a30104A0#activity>

<https://x2y2.io/collection/hd--punks/activities>

NFTX Data: Project has 3 vaults (Data from 06/04/2022)

HDPUNK Vault TVL: \$40,274

Fees (All Time): 57.440 Vault Tokens/1.483 ETH

Utilization (All Time): 1660 HDPUNK/42.859 ETH

Share of fees from

- Mint: 34.61
- Random: .08
- Target Redeem: 20.39
- Target Swap: 2.36

HDPUNKR Vault TVL: \$19,906

Fees (All Time): 41.80 Vault Tokens/.596 ETH

Utilization (All Time): 625 HDPUNKR/8.908 ETH

Share of fees from

- Mint: 30.7
- Random: 11.1
- Target Redeem: N/A
- Target Swap: N/A

HDPUNKH Vault TVL: \$9,076

Fees (All Time): 2.4 Vault Tokens/.243 ETH

Utilization (All Time): 60 HDPUNKH/6.081 ETH

Share of fees from

- Mint: 0
- Random: .4
- Target Redeem: 2
- Target Swap: 0

Source(s):

https://dune.xyz/nftx/NFTX-Dune-Dashboard-Single-Vault-View?Vault_Address=0x42b4df7e402a71eae743c6c5410ce3bbb63aef22

https://dune.xyz/nftx/NFTX-Dune-Dashboard-Single-Vault-View?Vault_Address=0x0f8cd97268a49421929e7f1a0eefbe74ad8b60da

https://dune.xyz/nftx/NFTX-Dune-Dashboard-Single-Vault-View?Vault_Address=0x457b1687a54cec1ef374a0a13f10b4b4d3a5066b

FloorDAO Bonding (to be determined by FloorDAO Policy Team):

Targeted Slippage:

Total cost of bonds to hit target floor size:

Executive Summary:

HD Punks is [foobar's](#) personal project with [Keram](#) and is a collection of 10,000 NFTs, one for every original CryptoPunk. HD Punks have all the same attributes, but in higher fidelity for an original derivative work.

The project features first of its kind novel tokenomics: half of all royalty payments from secondary sales on OpenSea and LooksRare (5% of total sales) go towards the buy and burn of the project's NFTX vault token HDPUNK.

Qualitative Metrics:

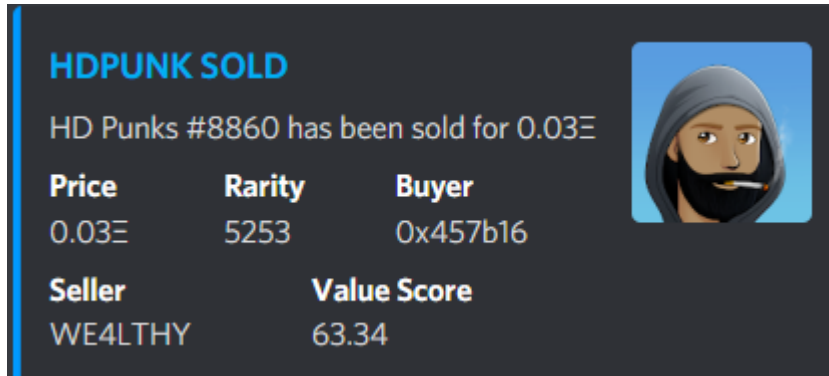
Fungibility: How exchangeable is the asset?

Currently, 9,865 of the original 10,000 minted HD Punks can be exchanged on secondary markets such as OpenSea, LooksRare, NFTX, and X2Y2 via aggregators like Gem. The HD Punks NFTX vaults hold 927 HD Punks (9.27%) of the collection pooled across three separate NFTX vaults (HDPUNK, HDPUNKR, HDPUNKH). Additionally, 135 (1.35%) HDPUNK tokens have been destroyed by the buy and burn. This number will continue to rise over time.

Questions for consideration:


- What's the collection size?
10,000 initial supply with only 9865 (continuing to decrease) available because of the 'buy and burn'

- Is a meaningful amount of the collection thought of as floor-ish?
Yes. However, HD Punks with desirable rarity.tools rarity rank or traits often sell higher than floor.
- Does the rarity system allow for significant or exceptional arbitrage opportunities?
Yes, with 3 NFTX vaults and secondary markets, there are plenty of opportunities for arbitrage.
For example, HD Punks #8660 was recently listed and sold on OS for .03 ETH:



However, the buyer immediately took advantage of the arbitrage opportunity with the HDPUNKH vault: purchased for .03 ETH and sold into the vault for .1013 ETH.

Recent Activity



Sell
10 hours ago

HDPUNKH
Token ID #8860 HDPUNKH Fee 0.0

Status: Success

Block: 14421118 113473 Block Confirmations

Timestamp: 17 days 16 hrs ago (Mar-20-2022 04:31:28 AM +UTC)

Transaction Action:

- Swap 1 HDPUNKH For 0.101343241296737559 Ether On Sushiswap
- Transfer of 1 HD Punks (HDPUNK...) From 0x3530ad56d985054bed... To 0xef7f9d712a82ae54cde...
- 1 of Token ID [8860]
- Transfer of 1 HD Punks (HDPUNK...) From 0xef7f9d712a82ae54cde... To 0x457b1687a54cec1e9...
- 1 of Token ID [8860]

From: 0x72f648106b4747d164be977025427a8085af16

Interacted With (To):

- Contract 0xef7f9d712a82ae54cde0e9d95b7e1ec7449747ed
- TRANSFER: 0.01343241296737559 Ether From Wrapped Ether To 0xef7f9d712a82ae54cde0e9...
- TRANSFER: 0.03 Ether From 0xef7f9d712a82ae54cde0e9... To 0xopenbex.Wyvern Exch.
- TRANSFER: 0.00225 Ether From Openbex.Wyvern Exch. To 0xopenbex.Wyvern Exch.
- TRANSFER: 0.02775 Ether From Openbex.Wyvern Exch. To 0x0303aa556985054bed991c3...
- TRANSFER: 0.071343241296737559 Ether From 0xef7f9d712a82ae54cde0e9... To 0x72f648106b4747d164be977...

Tokens Transferred:

- From Sushiswap: HDPN... To 0xef7f9d712a82ae... For 0.101343241296737559 (0.0328 ETH) Wrapped Ether... (WETH)
- From Null Address: 0x00... To 0xef7f9d712a82ae... For 1 HD Punks (HDPUNKH)
- From 0xef7f9d712a82ae... To Sushiswap: HDPN... For 1 HD Punks (HDPUNKH)

Tokens Transferred: (ERC-721 Transfers found)

- From 0x3530ad56d985054bed... To 0xef7f9d712a82ae... For ERC-721 Token ID [8860] 1 HD Punks (HDPUNK...)
- From 0xef7f9d712a82ae... To 0x457b1687a54cec... For ERC-721 Token ID [8860] 1 HD Punks (HDPUNK...)

Value: 0 Ether (\$0.00)

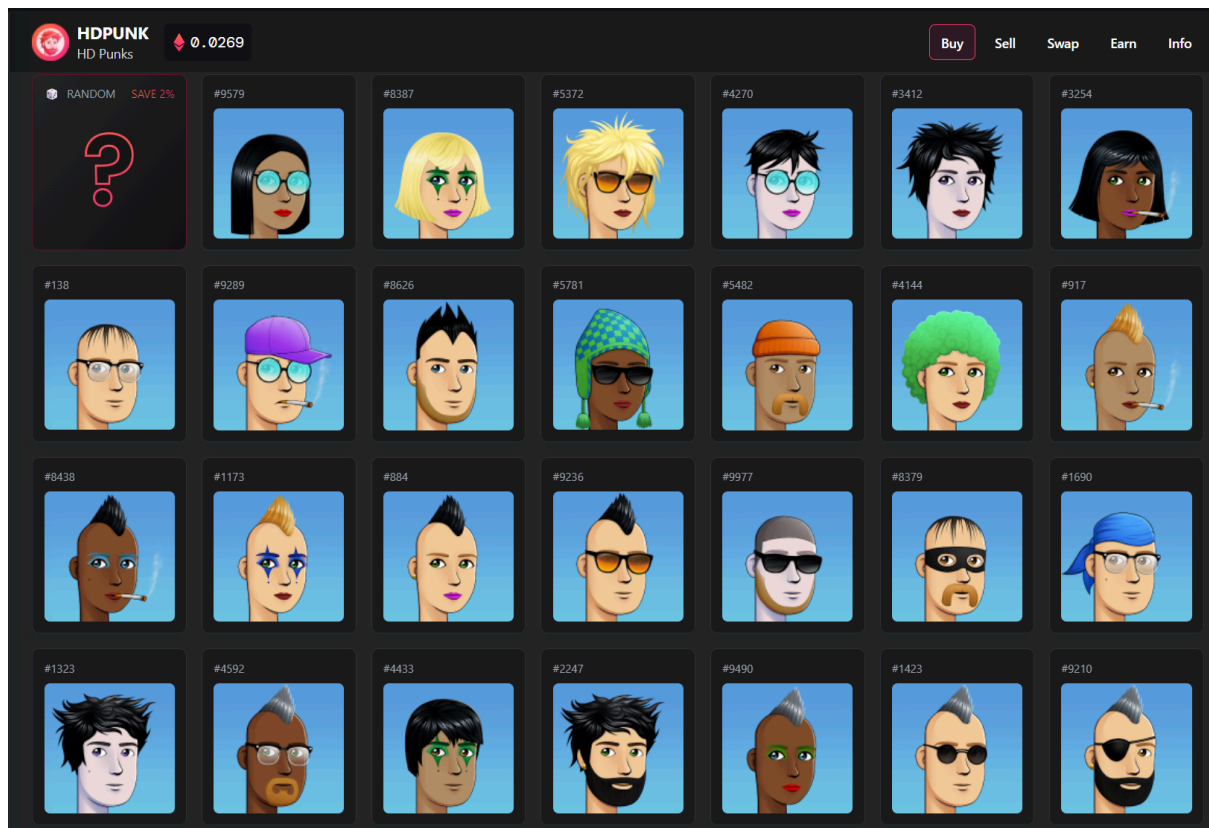
Transaction Fee: 0.01159379389508921 Ether (0.037 ETH)

Gas Price: 0.0000000266262427 Ether (26.63262427 Gwei)

Source: <https://etherscan.io/tx/0x8715c40f1a68099acd00c1e7daf6c944f00f5f0302944ab8de6122c0ae3c4947>

- What do floors look like? What do rarities look like? (Include pics)

Example of floor HD Punks available in NFTX HDPUNK vault:



Example of rare HD Punks:



Utility: How useful are these NFT assets?

Questions for consideration:

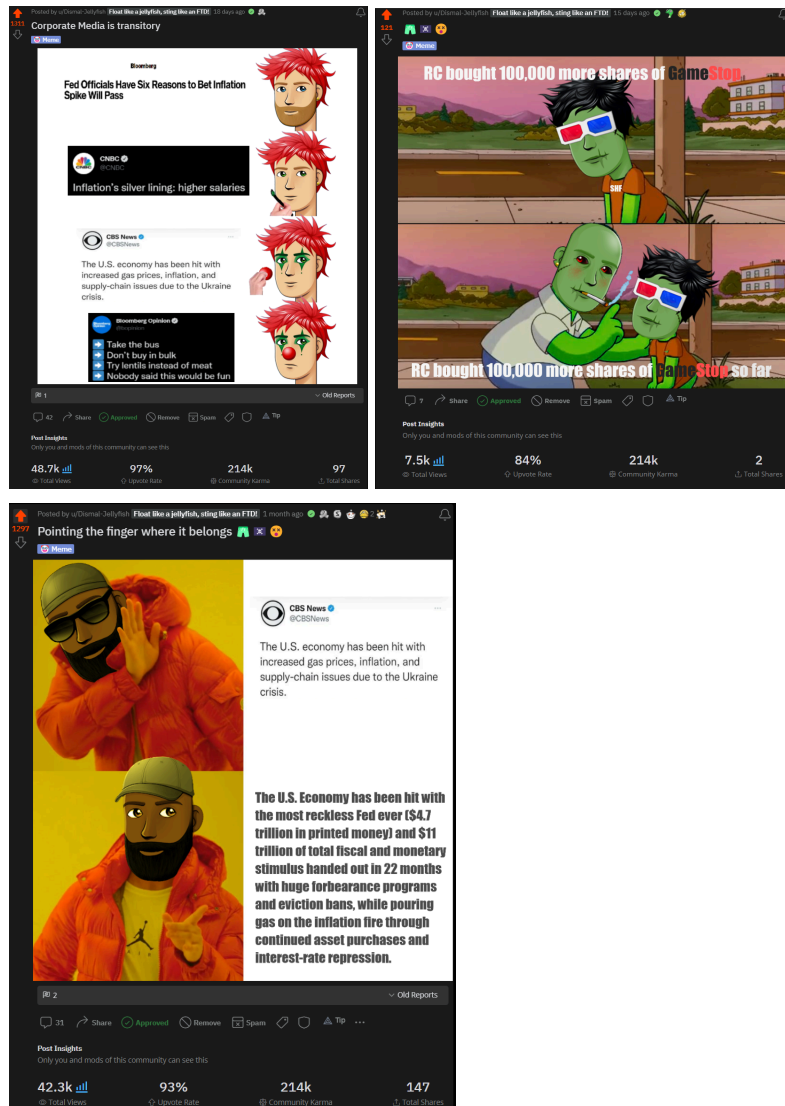
- Can this asset be used in DeFi? As lending collateral? Does it have yield-sources?
Yes, it already has 3 NFTX vaults that offer yield opportunities.

- Does it have any utility in a metaverse or game? Whether as land, game items, power-ups etc.

No. However, on a few fronts holding an HD Punk can grant access to a metaverse or game. HD Punks was recently awarded a number of alpha passes for the alpha for Nifty Island in order to build HD Punks Island.



- Does this asset have a significant “Status” use case as a PFP (eg Punks, Apes)
Yes, as an HD version of OG Punks, HD Punks is a terrific PFP. Additionally, they are readily memeable and viewed often, for example:



- What kind of governance or cash flows are entitled to asset owners, if any?
Foobar and Keram created the first deflationary asset on NFTX with deflationary forces rewarding holders via half of all royalty payments from secondary sales (2.5% of total sales) going towards the buy and burn of HDPUNK.

Durability: How culturally valuable is the asset?

Factors:

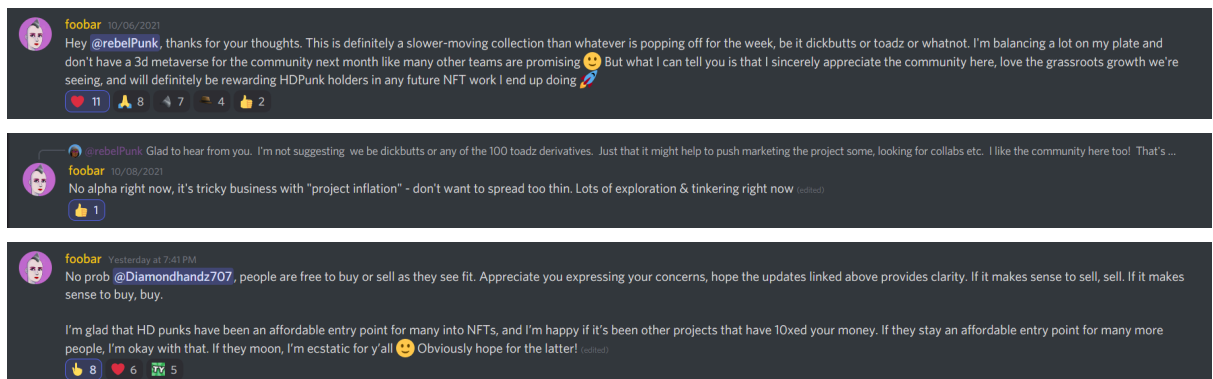
- Community/Roadmap
- Team
- Historical Value
- Network effects/Schelling Point

Questions for consideration

- What is the Community/Roadmap for this asset?

HD Punks is entirely community run with an interactive relationship with the original development team. This project is growing organically without any paid advertising or shilling—one would be hard pressed to find a project built with a stronger foundation. The overall vision of HD Punk holders lies within web3 itself. Punks are here to learn and grow in the space overall and are not in it for a quick buck. HD Punks value brilliant developers over flashy marketers and are excited by the possibility of seeing what happens when a flywheel meets deflationary burning.

In terms of roadmap, foobar has stated HD Punks holders will be rewarded in any future NFT work they do in the space.



- Who owns these assets?

Original Cryptopunk holders were given an opportunity to claim their HDPunks equivalent. Approximately 100-200 did so. Tycoon.eth is one such original and proud to display their HD Punk. 100-200 is not a meaningful percent of the collection but it does mean that 100-200 holding cryptopunks would have immediate recognition for HD Punk and be able to share a positive drop with their immediate communities.

Outside of the OG's, HD Punks are held by a diverse group of dedicated holders that falls into two camps: People new to the space with an HD Punk as their first NFT and established web3 veterans [building in the space](#).

Both camps are dedicated to holding the project. The awesome thing about the new folks, is as many learn, they branch out further into web3 and bring what they learn back to the HD Punks community. A running theme is:

1. Be in the HD Punks Community as an active member in the community
2. Be noticed and invited to collaborate on cool things in the web3 space
3. Remember Step 1 was possible in part because of everyone that came before and supported you
4. Bring back to the community that has given you much.
5. Circle continues while community grows

- What is their future?

With the project's tokenomics, HD Punks has a bright future with NFTX. As more and more HDPUNK is burned, more and more NFTs become 'trapped' in the HDPUNK vault. Any one NFT will always be redeemable but more and more NFTs will enter the vault that will never be able to leave. This is how the project is able to apply deflationary supply pressure without removing any specific HD Punk from being owned.

However, this also means future transactions for the HD Punks that are available MUST occur through the vault where fees will be generated for the community that is providing Inventory and Liquidity—seeing the community seize more and more of the memes of production as time goes on.

- How large is the potential audience?

Massive. Revisiting 'who owns the project', many of the folks new to the space share a common interest and long-term ownership in GameStop. GameStop's foray into web3 and NFTs has caught the interest of a large and dedicated user base. For instance, as of January of this year, 125,000 individual investors have Direct-Registered (DRS) 8.9 million shares of the company's stock (akin to self-custodying in a hardware wallet). Both of these numbers continue to rise.

Imagine for a moment HD Punks holders (1,170) are split down the middle between new folks coming into the space because GameStop buzz established web3 folks. If the half of the interest is early adopters of the GameStop crowd scoping out NFTs, 99.5% (585/125,000) of this group has not yet gotten into NFTs.

Understandably, as foobar has some sort of relationship with GameStop they will have a NDA or be party of a contract to not disclose any confidential corporate information that could be seen as insider trading.

While HD Punks itself has nothing to do with GameStop, the tenuous link to foobar adds to the speculative nature of the project post what happens with GameStop's stock. Of the known folks hypothesised to be linked to the GameStop NFT Marketplace (Spike, Cyberhorse, Big Cat, foobar), only foobar has an ETH project with 10,000 items available.

GameStop's NFT marketplace has the potential to onboard millions to web3. If even a small fraction want to pay homage to those who helped create what they have invested and held shares in for years, demand could far outweigh supply.

Disregarding the foobar-Gamestop connection, the potential audience for HD Punks looks to only grow. Unlike the pioneers of web1 and web2 protocols, the web3 innovators have the opportunity to create a lasting legacy. Foobar's contributions to the space and community look to be substantial in the near and long term and should have a large section carved out in history books. Owning an HD Punk to support one of the Solidity giants has tremendous upside when it is plainly stated they intend to reward holders with future work in the NFT space.

- Who is the Team for this asset? (achievements, accolades etc. , any obvious red flags eg. scams, slow rugs, abandoning projects?)

**foobar: contributor to AlchemiFX, SushiSwap, Revest Finance, Jenkins the Valet
Keram**

- Does this asset have any significant historical value? (Less considerate of age, and more "is this precedent-setting?")

First project to implement deflationary tokenomics via NFTX

First project to implement a 'roulette' NFTX vault

First 'bribe' offer to FloorDAO

- What potential network effects does the asset benefit from (is it used for airdrops/ecosystem integrations? Have aesthetics/processes been adopted by other projects)

Yes, other projects have adopted HD Punks deflationary tokenomics via NFTX (Roo troop). Additionally, as shown above, HD Punks are regularly memed on Reddit/Twitter.

- Are there catalysts such that we actually think the price of the underlying assets will increase over time?

Two consistent catalysts for increasing marketplace sales and NFTX vault activity have occurred directly after a burning event and when foobar goes viral on crypto Twitter for providing meaningful insights to current events. Due to the tokenomics, the burning events will continue to occur and ignite activity and should be seen as a predictable bullish catalyst moving forward. Similarly foobar has developed clout as a white hat dev whom the community has gained much respect for. They have also become ingrained in some of the most innovative and trailblazing projects that will continue to generate legitimate traffic passively.

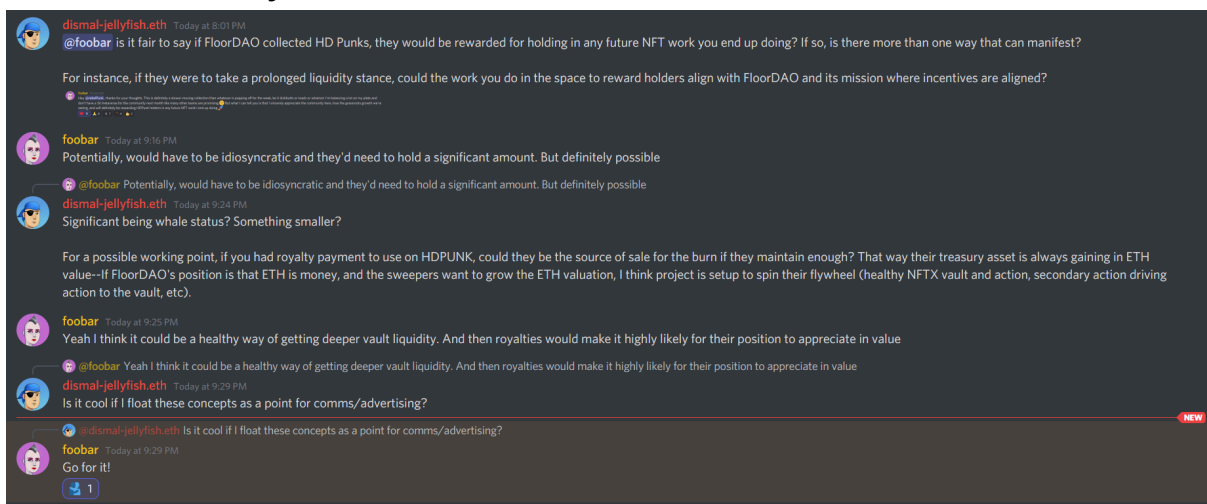
A large portion of current HD Punk holders are known to be long term gamestop investors. A potential catalyst for increased activity has a high chance to correlate directly with the growth of gamestop in the web3 space and its stock price.

Jenkins the Valet Project has recently announced a world building project where he will be travelling to different communities for a collaboration. They

are in the early stages but HD Punks could have a good chance to qualify as one of the communities chosen to participate. Immediate pros include foobar being a core Solidity Dev for their project as well as the overall honest organic traits of HD Punks. There is a significant amount of overlap between the two communities as well.

- Is there signalling of craftsmanship with regards to smart contract/code or elsewhere within the project that merits attention?

Yes, the project's buy and burn tokenomics offers a unique opportunity for it and FloorDAO's interests to align. If FloorDAO were to collect HD Punks in a meaningful way, foobar is open to purchasing the HDPUNK for the 'buy and burn' directly from FloorDAO:



Foobar: 'it could be a healthy way of getting deeper vault liquidity. And then royalties would make it highly likely their position to appreciate in value'

The HD Punks community believes this has potential to create a powerful feedback loop that will further amplify and show off the power of the flywheel.

If FloorDAO's belief is ETH is money and wants to grow in ETH valued assets, Deflationary NFT Tokenomics + Nascent NFT Liquidity Coordination = 🚀🚀🚀