

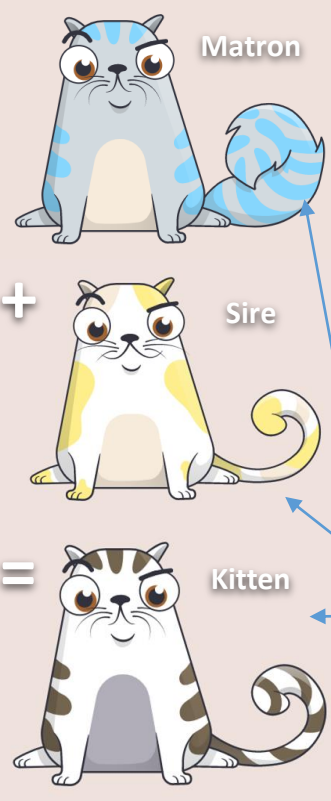
# CryptoKitties broke Ethereum?

Digital Kitties being bred on the Ethereum public blockchain have been accused of congesting the network to the extent that it is no longer usable. How one earth do these digital kitties breed? Has the breeding and exchanging ownership of digital feline genes really caused that much harm?

Welcome to the world of Cryptokitties and err... vampire kitties.



Total Kitty Count **679 212**  1 Kitty per birth of 10,000 kitties



## CryptoKitties Genome Mapping

**Key:**

- Matron, Sire & Kitten all share this trait.
- Matron & Sire share this trait. Kitten doesn't.
- Only Matron & Kitten share this trait.
- Only Sire & Kitten share this trait.

**Genome Traits:**

- iv iii ii i
- i. Dominant trait. ~33.59% chance of being expressed in children. **This is the only trait visible in the cats appearance.**
- ii. 1<sup>st</sup>-order recessive trait. ~12.5% chance of being expressed in children.
- iii. 2<sup>nd</sup>-order recessive trait. ~3.13% chance of being expressed in children.
- iv. 3<sup>rd</sup>-order recessive trait. ~0.78% chance of being expressed in children.

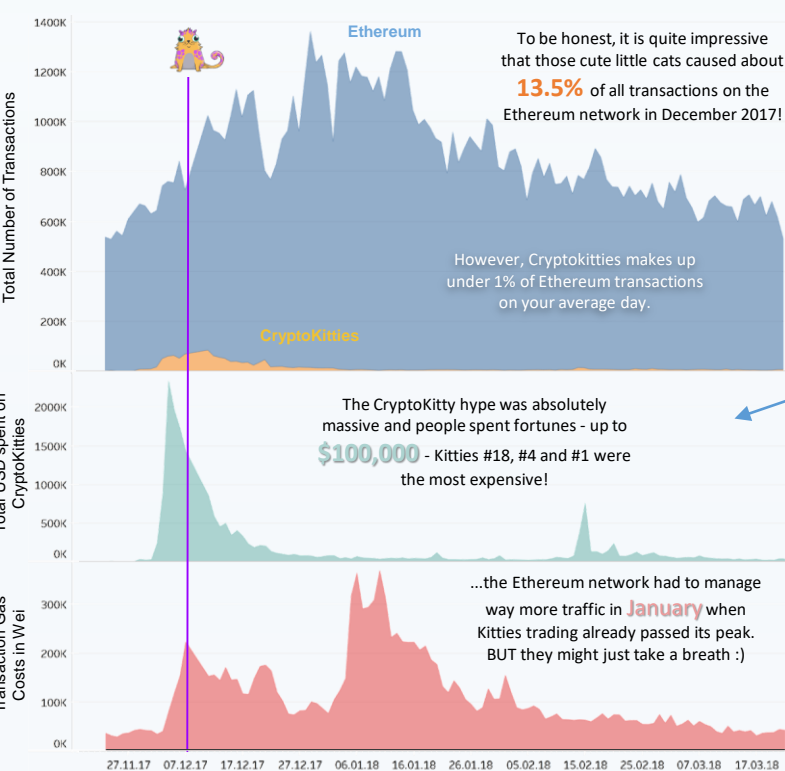
Note: recessive traits cannot be visually seen in kitty.

**Example with mouth:** Both the Matron and Kitten have the same mouth 'a' dominant trait in position i. We can visually see this on the display to the left. This mouth trait is called 'Pouty'.

**Other Traits:**

- 'Granite-Grey'
- 'Dracula'
- 'Coffee'
- 'Cloud-White'
- 'Raised-Brow'
- 'Chestnut'
- 'Lucky-Stripe'
- 'Sphynx'

## Transaction Volumes & Costs



## CryptoKitty Stars

