# 373.https://stackoverflow.com/questions/71366392/get-nfts-by-candymachineid-always-returning-an-empty-array

**T:**Get NFTs by CandyMachineId always returning an empty array

**Q:**I am trying to write a script to pull NFTs by candy machine id, but it is either failing or returning an empty array each time.  
  
I am using the genesysgo mainnet rpc.  
  
Here is the relevant code.  
  
const rpc = process.env.REACT\_APP\_RPC\_HOST!;const connection = new Connection(rpc);export const CANDY\_MACHINE\_V2\_PROGRAM = new anchor.web3.PublicKey( "cndy3Z4yapfJBmL3ShUp5exZKqR3z33thTzeNMm2gRZ");export const TOKEN\_METADATA\_PROGRAM = new anchor.web3.PublicKey( "metaqbxxUerdq28cj1RbAWkYQm3ybzjb6a8bt518x1s");const MAX\_NAME\_LENGTH = 32;const MAX\_URI\_LENGTH = 200;const MAX\_SYMBOL\_LENGTH = 10;const MAX\_CREATOR\_LEN = 32 + 1 + 1;const MAX\_CREATOR\_LIMIT = 5;const MAX\_DATA\_SIZE = 4 + MAX\_NAME\_LENGTH + 4 + MAX\_SYMBOL\_LENGTH + 4 + MAX\_URI\_LENGTH + 2 + 1 + 4 + MAX\_CREATOR\_LIMIT \* MAX\_CREATOR\_LEN;export const MAX\_METADATA\_LEN = 1 + 32 + 32 + MAX\_DATA\_SIZE + 1 + 1 + 9 + 172;export const CREATOR\_ARRAY\_START = 1 + 32 + 32 + 4 + MAX\_NAME\_LENGTH + 4 + MAX\_URI\_LENGTH + 4 + MAX\_SYMBOL\_LENGTH + 2 + 1 + 4;async function getCandyMachineCreator( candyMachineId: PublicKey): Promise<[PublicKey, number]> { return await PublicKey.findProgramAddress( [Buffer.from("candy\_machine"), candyMachineId.toBuffer()], CANDY\_MACHINE\_V2\_PROGRAM );}async function getMintsByCandyMachineId(candyMachineId: StringPublicKey) { const key = new PublicKey(candyMachineId); const [firstCreatorAddress] = await getCandyMachineCreator(key); const metadataAccounts = await connection.getProgramAccounts( TOKEN\_METADATA\_PROGRAM, { // The mint address is located at byte 33 and lasts for 32 bytes. dataSlice: { offset: 33, length: 32 }, filters: [ // Only get Metadata accounts. { dataSize: MAX\_METADATA\_LEN }, // Filter using the first creator. { memcmp: { offset: CREATOR\_ARRAY\_START, bytes: firstCreatorAddress.toBase58(), }, }, ], } ); return metadataAccounts.map((metadataAccountInfo) => bs58.encode(metadataAccountInfo.account.data) );}  
  
WARN: THIS PARAGRAPH CONTAINS TAG: [CODE]   
  
I've also tried using Solana NFT Tools and Magic Eden's Hash List Tool. They also return empty arrays. The NFTs are on chain, they're in my wallet, so I'm kind of at a loss.

1 **Answer**

**A1:**You are probably using the wrong CMID. Find one of your NFTs on solscan and use the first verified creator ID in the metadata as your CMID. (as seen below).  
  
This would explain why the ID also returns an empty array on the magic eden and pentacles sites.  
  
This address is not the same as the CMID in your .cache file.

**C1:**Yeah, this was it. Found it after some digging. But you're correct so answer accepted :)