

transaction hash 0xab588a1c2f7a96faea679daa84e2bac4a2f50d160032c080df7a8454cac94398 [🔗](#)

from 0x5B38Da6a701c568545dCfcB03FcB875f56beddC4 [🔗](#)

to GenomicsDataManagement.RegisterLimitedAccessOracle(address) 0xf8e81D47203A594245E36C48e151709F0C19fBe8 [🔗](#)

decoded input {
 "address _LimitedAccessOracle": "0x617F2E2fD72FD9D5503197092aC168c91465E7f2"
}

transaction hash 0x32c354b65df9f8f069af9ba8346ca566c00341a65598c1e9249deb0e6b4b1af3 [🔗](#)

from 0x5B38Da6a701c568545dCfcB03FcB875f56beddC4 [🔗](#)

to GenomicsDataManagement.RegisterSequencingCenter(address) 0xf8e81D47203A594245E36C48e151709F0C19fBe8 [🔗](#)

decoded input {
 "address _sequencingCenter": "0xAb8483F64d9C6d1EcF9b849Ae677dD3315835cb2"
}

transaction hash 0x32c354b65df9f8f069af9ba8346ca566c00341a65598c1e9249deb0e6b4b1af3 [🔗](#)

from 0x5B38Da6a701c568545dCfcB03FcB875f56beddC4 [🔗](#)

to GenomicsDataManagement.RegisterSequencingCenter(address) 0xf8e81D47203A594245E36C48e151709F0C19fBe8 [🔗](#)

decoded input {
 "address _sequencingCenter": "0xAb8483F64d9C6d1EcF9b849Ae677dD3315835cb2"
}

```
transaction hash 0x623a32b5be49a70149add9dddec57685a8b37bb13ff50b08c30870c05ae0fcdc1

from 0x4820993Bc481177ec7E8f571ceCaE8A9e22C02db

to RawGenomicDataNFTs.mint(string) 0xd9145CCE52D386f254917e481eB44e9943F39138

decoded input {
  "string_tokenURI": "QmRbumpGR97XncVYQcftLR2XrNrNwFYXsaNcbsSji8b9wK"
}

decoded output {
  "0": "uint256: 1"
}

logs {
  "from": "0xd9145CCE52D386f254917e481eB44e9943F39138",
  "topic": "0xddf252ad1be2c89b69c2b068fc378daa952ba7f163c4a11628f55a4df523b3ef",
  "event": "Transfer",
  "args": {
    "0": "0x0000000000000000000000000000000000000000000000000000000000000000",
    "1": "0x4820993Bc481177ec7E8f571ceCaE8A9e22C02db",
    "2": "1",
    "from": "0x0000000000000000000000000000000000000000000000000000000000000000",
    "to": "0x4820993Bc481177ec7E8f571ceCaE8A9e22C02db",
    "tokenId": "1"
  }
}
```

```
transaction hash 0x129a5255d70e49611f05b3609a4861491b177f4c71ca5cb7d266710642a3c4c5

from 0x4820993Bc481177ec7E8f571ceCaE8A9e22C02db

to RawGenomicDataNFTs.approve(address,uint256) 0xd9145CCE52D386f254917e481eB44e9943F39138

logs {
  "from": "0xd9145CCE52D386f254917e481eB44e9943F39138",
  "topic": "0x8c5be1e5ebec7d5bd14f71427d1e84f3dd0314c0f7b2291e5b200ac8c7c3b925",
  "event": "Approval",
  "args": {
    "0": "0x4820993Bc481177ec7E8f571ceCaE8A9e22C02db",
    "1": "0xf8e81D47203A594245E36C48e151709F0C19f8e8",
    "2": "1",
    "owner": "0x4820993Bc481177ec7E8f571ceCaE8A9e22C02db",
    "approved": "0xf8e81D47203A594245E36C48e151709F0C19f8e8",
    "tokenId": "1"
  }
}
```

```

transaction hash 0xaf6c9f58522a277b1a779ac4d0686457dec8e8d92ab0845980f6fdb3c91e4700

from 0x4B20993Bc481177ec7E8f571ceCaE8A9e22C02db

to GenomicsDataManagement.listRawGenomicNFT(uint256) 0xf8e81D47203A594245E36C48e151709F0C19fBe8

logs
  "from": "0xd9145CCE52D386f254917e481eB44e9943F39138",
  "topic": "0xddf252ad1be2c89b69c2b068fc378daa952ba7f163c4a11628f55a4df523b3ef",
  "event": "Transfer",
  "args": {
    "0": "0x4B20993Bc481177ec7E8f571ceCaE8A9e22C02db",
    "1": "0xf8e81D47203A594245E36C48e151709F0C19fBe8",
    "2": "1",
    "from": "0x4B20993Bc481177ec7E8f571ceCaE8A9e22C02db",
    "to": "0xf8e81D47203A594245E36C48e151709F0C19fBe8",
    "tokenId": "1"
  }
  "from": "0xf8e81D47203A594245E36C48e151709F0C19fBe8",
  "topic": "0x084ba02ae319a73276745c627e6f05e977e7969378f4b399c1c2da6c09586481",
  "event": "ListedRawGenomicNFT",
  "args": {
    "0": "1",
    "1": "0xd9145CCE52D386f254917e481eB44e9943F39138",
    "2": "1",
    "3": "0x4B20993Bc481177ec7E8f571ceCaE8A9e22C02db",
    "RawNFTId": "1",
    "nft": "0xd9145CCE52D386f254917e481eB44e9943F39138",
    "tokenId": "1",
    "dataOwner": "0x4B20993Bc481177ec7E8f571ceCaE8A9e22C02db"
  }

val 3000000000000000000 wei

```

```

transaction hash 0x1eb62c8e81c0dacc000abbba3b3555e55fec20c86fdb7855ecfec340cd5f96

from 0x78731D3Ca6b7E34aC0F824c42a7cC18A495cabaB

to GenomicsDataManagement.PayForRawNFTSequencing(uint256,uint256) 0xf8e81D47203A594245E36C48e151709F0C19fBe8

logs
  "from": "0xf8e81D47203A594245E36C48e151709F0C19fBe8",
  "topic": "0xef7e984504fc9ed8fd4f0a33a12facc46ee6941e54ff571f511961232f627733",
  "event": "RawNFTSequencingPayment",
  "args": {
    "RawNFTId": "1",
    "nft": "0xd9145CCE52D386f254917e481eB44e9943F39138",
    "tokenId": "1",
    "dataOwner": "0x4B20993Bc481177ec7E8f571ceCaE8A9e22C02db",
    "buyer": "0x78731D3Ca6b7E34aC0F824c42a7cC18A495cabaB",
    "requestnumber": "1",
    "sequencingStartTime": "1681659424",
    "sequencingDeadline": "1681745824",
    "sequencingmethod": "1",
    "sequencingcost": "1000000000000000000"
  }

```

```
transaction hash 0x3444e95ddf78accf8369576e88ca36c84a1a6c6ec1c46f0815cfff1c6f799387 ⓘ

from 0xAb8483F64d9C6d1EcF9b849Ae677dD3315835cb2 ⓘ

to GenomicsDataManagement.storeSequencingSignatures(string,bytes,uint256,uint256) 0xf8e81D47203A594245E36C48e151709F0C19f8e8 ⓘ

logs {"from": "0xf8e81D47203A594245E36C48e151709F0C19f8e8",
      "topic": "0x3cf0ee4fa25d1ed2e0bf373cb1f0234cc05c90ac192f1ea9a59fd7b7e9396591",
      "event": "SequencingSignatureStorage",
      "args": {
        "verifiedAddress": "0x48209938c481177ec7E8f571ceCaE8A9e22C02db",
        "dataOwner": "0x48209938c481177ec7E8f571ceCaE8A9e22C02db",
        "nft": "0xd9145CCE52D386f254917e481eB44e9943F39138",
        "tokenId": "1",
        "message": "I confirm receiving the sequenced genomic data of NFT with ID 1",
        "signature":
"0xd3533d55fa124363ef25a29aa1b01c3ab36bb4695e5d5d0d25a267ce91b0b97a6192d5fe51fbb42eafd993a0da4d93057c47a60d65294763a628c31f658c2e041
b"
      }
}
```

```
transaction hash 0xb87153cec55767bdc3b2151cac249213dea9955d64df4f06865725008b337995 ⓘ

from 0xAb8483F64d9C6d1EcF9b849Ae677dD3315835cb2 ⓘ

to GenomicsDataManagement.ConfirmRawNFTSequencing(uint256,uint256) 0xf8e81D47203A594245E36C48e151709F0C19f8e8 ⓘ

logs {"from": "0xf8e81D47203A594245E36C48e151709F0C19f8e8",
      "topic": "0x8c8626238afe6d750fb36f832c9bb5559137f08d3a22161e6ba4af16a493c15a",
      "event": "RawNFTisSequenced",
      "args": {
        "RawNFTId": "1",
        "nft": "0xd9145CCE52D386f254917e481eB44e9943F39138",
        "tokenId": "1",
        "dataOwner": "0x48209938c481177ec7E8f571ceCaE8A9e22C02db",
        "buyer": "0x78731D3Ca6b7E34aC0F824c42a7c18A495caba8",
        "sequencingCenter": "0xAb8483F64d9C6d1EcF9b849Ae677dD3315835cb2",
        "sig":
"0xd3533d55fa124363ef25a29aa1b01c3ab36bb4695e5d5d0d25a267ce91b0b97a6192d5fe51fbb42eafd993a0da4d93057c47a60d65294763a628c31f658c2e041
b"
      }
}
```

```
transaction hash 0x415bbbe49b83ca16bb7ea431ed767a8826baa0737b7dbfdeb7eb99711b621b9b ⓘ

from 0xAb8483F64d9C6d1EcF9b849Ae677dD3315835cb2 ⓘ

to GenomicsDataManagement.CommitToRawNFTSequencingRequest(uint256,uint256) 0xf8e81D47203A594245E36C48e151709F0C19f8e8 ⓘ

logs {"from": "0xf8e81D47203A594245E36C48e151709F0C19f8e8",
      "topic": "0xc72616cae34f80b20485ae2bdc4775bf59ad0ec42eef1ca07478a2dfda85439a",
      "event": "SequencingCenterCommitted",
      "args": {
        "0": "1",
        "1": "0xd9145CCE52D386f254917e481eB44e9943F39138",
        "2": "1",
        "3": "0x48209938c481177ec7E8f571ceCaE8A9e22C02db",
        "4": "0xAb8483F64d9C6d1EcF9b849Ae677dD3315835cb2",
        "RawNFTId": "1",
        "nft": "0xd9145CCE52D386f254917e481eB44e9943F39138",
        "tokenId": "1",
        "dataOwner": "0x48209938c481177ec7E8f571ceCaE8A9e22C02db",
        "CommittedSequencingCenter": "0xAb8483F64d9C6d1EcF9b849Ae677dD3315835cb2"
      }
}
```

```
transaction hash  0x0ccc1a84e73527e96528d77004808bc487e27de9b8b31ae8f4702b4f3e6308aee  ⓘ

from              0x4820993Bc481177ec7E8f571ceCaE8A9e22C02db  ⓘ

to               GenomicsDataManagement.storeInitialFullAccessSignatures(string,bytes,uint256,address,uint256)
                 0xf8e81D47203A594245E36C48e151709F0C19f8e8  ⓘ

logs             "from": "0xf8e81D47203A594245E36C48e151709F0C19f8e8",
                 "topic": "0x5ada70824188b3b01067afef6d497c144f85c443d1e39f3b00fd5da0269d5688",
                 "event": "InitialFullAccessSignatureStorage",
                 "args": {
                   "verifiedAddress": "0x78731D3Ca6b7E34aC0F824c42a7cC18A495cabaB",
                   "dataBuyer": "0x78731D3Ca6b7E34aC0F824c42a7cC18A495cabaB",
                   "nft": "0xd9145CCE52D386f254917e481eB44e9943F39138",
                   "tokenId": "1",
                   "message": "I confirm receiving the sequenced data from the owner for NFT ID 1",
                   "signature":
"0xa26f3ff338590f321b2a764cc9fac0c4e650ce63ac6ad8d266fb57ead92d3151454c05c266258b46ffbf5b583d40174a8a26db571367bb17fadaedb8002320f41c"
                 }
}
```

```
transaction hash  0x2cb67ec277401083ff604160c042364f6cf063e24097be1cb57de14321bf0d21  ⓘ

from              0x4820993Bc481177ec7E8f571ceCaE8A9e22C02db  ⓘ

to               GenomicsDataManagement.InitialFullAccessProof(uint256,uint256) 0xf8e81D47203A594245E36C48e151709F0C19f8e8  ⓘ

logs             "from": "0xf8e81D47203A594245E36C48e151709F0C19f8e8",
                 "topic": "0xfba2ef46e7f95dffb72090103cc925aae942b6a093fa065349d5a971a5d18447",
                 "event": "InitialFullAccessGranted",
                 "args": {
                   "RawNFTId": "1",
                   "nft": "0xd9145CCE52D386f254917e481eB44e9943F39138",
                   "tokenId": "1",
                   "dataOwner": "0x4820993Bc481177ec7E8f571ceCaE8A9e22C02db",
                   "dataBuyer": "0x78731D3Ca6b7E34aC0F824c42a7cC18A495cabaB"
                 }
}
```


transaction hash 0x655eabf17c12b06c3603a870eeb3db0ead91c9d3b5b4348a2af2ae41bbb12b15 [🔗](#)

from 0x4820993Bc481177ec7E8f571ceCaE8A9e22C02db [🔗](#)

to SequencedGenomicDataNFTs.mint(string,uint256) 0xd8b934580fcE35a11B58C6D73aDeE468a2833fa8 [🔗](#)

logs

```

"from": "0xd8b934580fcE35a11B58C6D73aDeE468a2833fa8",
"topic": "0xddf252ad1be2c89b69c2b068fc378daa952ba7f163c4a11628f55a4df523b3ef",
"event": "Transfer",
"args": {
  "0": "0x0000000000000000000000000000000000000000000000000000000000000000",
  "1": "0x4820993Bc481177ec7E8f571ceCaE8A9e22C02db",
  "2": "1",
  "from": "0x0000000000000000000000000000000000000000000000000000000000000000",
  "to": "0x4820993Bc481177ec7E8f571ceCaE8A9e22C02db",
  "tokenId": "1"
}

```

transaction hash 0x129a5255d70e49611f05b3609a4861491b177f4c71ca5cb7d266710642a3c4c5 [🔗](#)

from 0x4820993Bc481177ec7E8f571ceCaE8A9e22C02db [🔗](#)

to RawGenomicDataNFTs.approve(address,uint256) 0xd9145CCE52D386f254917e481e844e9943F39138 [🔗](#)

logs

```

"from": "0xd9145CCE52D386f254917e481e844e9943F39138",
"topic": "0x8c5be1e5ebec7d5bd14f71427d1e84f3dd0314c0f7b2291e5b200ac8c7c3b925",
"event": "Approval",
"args": {
  "0": "0x4820993Bc481177ec7E8f571ceCaE8A9e22C02db",
  "1": "0xf8e81D47203A594245E36C48e151709F0C19f8e8",
  "2": "1",
  "owner": "0x4820993Bc481177ec7E8f571ceCaE8A9e22C02db",
  "approved": "0xf8e81D47203A594245E36C48e151709F0C19f8e8",
  "tokenId": "1"
}

```

transaction hash 0x181e979b23ef076c0f10a193d833e89ff30029e82755a0be5c5a6338f6e9f41 [🔗](#)

from 0x4820993Bc481177ec7E8f571ceCaE8A9e22C02db [🔗](#)

to GenomicsDataManagement.listSequencedGenomicNFT(uint256,uint256,uint256) 0xf8e81D47203A594245E36C48e151709F0C19f8e8 [🔗](#)

logs

```

"from": "0xd8b934580fcE35a11B58C6D73aDeE468a2833fa8",
"topic": "0xddf252ad1be2c89b69c2b068fc378daa952ba7f163c4a11628f55a4df523b3ef",
"event": "Transfer",
"args": {
  "0": "0x4820993Bc481177ec7E8f571ceCaE8A9e22C02db",
  "1": "0xf8e81D47203A594245E36C48e151709F0C19f8e8",
  "2": "1",
  "from": "0x4820993Bc481177ec7E8f571ceCaE8A9e22C02db",
  "to": "0xf8e81D47203A594245E36C48e151709F0C19f8e8",
  "tokenId": "1"
}
"from": "0xf8e81D47203A594245E36C48e151709F0C19f8e8",
"topic": "0x05ca591d6a2d3d04ed4fcc8e965ff5ce50742f1796349de539580444dea4ac0",
"event": "ListedSequencedGenomicNFT",
"args": {
  "SeqNFTId": "1",
  "nft2": "0xd8b934580fcE35a11B58C6D73aDeE468a2833fa8",
  "tokenId": "1",
  "dataOwner": "0x4820993Bc481177ec7E8f571ceCaE8A9e22C02db",
  "fullaccessprice": "10",
  "limitedaccessprice": "1"
}

```

transaction hash 0x853f4da484673033eb2de4f4e83aca099e95230dcbe118e56aa3f3a00d97954 [🔗](#)

from 0x17F6AD8Ef982297579C203069C1DbfFE4348c372 [🔗](#)

to GenomicsDataManagement.requestFullAccess(uint256) 0xf8e81D47203A594245E36C48e151709F0C19fBe8 [🔗](#)

logs

```
"from": "0xf8e81D47203A594245E36C48e151709F0C19fBe8",
"topic": "0xbe2f15f6f51ffcbee0cf7adefe80700997093a1bc12a3ab27a814dd8549e7dfa",
"event": "FullAccessRequested",
"args": {
  "0": "1",
  "1": "0xd8b934580fcE35a11B58C6D73aDeE468a2833fa8",
  "2": "1",
  "3": "0x4B20993Bc481177ec7E8f571ceCaE8A9e22C02db",
  "4": "0x17F6AD8Ef982297579C203069C1DbfFE4348c372",
  "SeqNFTId": "1",
  "nft": "0xd8b934580fcE35a11B58C6D73aDeE468a2833fa8",
  "tokenId": "1",
  "dataOwner": "0x4B20993Bc481177ec7E8f571ceCaE8A9e22C02db",
  "fullaccessbuyer": "0x17F6AD8Ef982297579C203069C1DbfFE4348c372"
```

transaction hash 0x2dcae65c7b849b8a6d25d91d8952b3bc7b6fd20f1c7cba7448ad08028cdcbc74 [🔗](#)

from 0x17F6AD8Ef982297579C203069C1DbfFE4348c372 [🔗](#)

to GenomicsDataManagement.storeFullAccessSignatures(string,bytes,uint256,address,uint256) 0xf8e81D47203A594245E36C48e151709F0C19fBe8

logs

```
"from": "0xf8e81D47203A594245E36C48e151709F0C19fBe8",
"topic": "0x010b4e1a90ced298e7309fa08dd0078c3955d9abbeb77817e9b7e91ab87b8a51",
"event": "FullAccessSignatureStorage",
"args": {
  "verifiedAddress": "0x17F6AD8Ef982297579C203069C1DbfFE4348c372",
  "dataBuyer": "0x17F6AD8Ef982297579C203069C1DbfFE4348c372",
  "nft": "0xd8b934580fcE35a11B58C6D73aDeE468a2833fa8",
  "tokenId": "1",
  "message": "I confirm receiving full access to the sequenced data of NFT ID 1",
  "signature":
    "0x846f65dc3cc971e09b210bf020b27c93f0f332ee8403e2c945ecc1a6cf5a12614481ebdbab182a1bb8fffb873c79ff1002d5cf99bb2e018f79af635d684ed3171c"
}
```

transaction hash 0xd685c4b3c75034764f40730d9a30e625f08171c8bd02918499ac5257499d9fd4 [🔗](#)

from 0x4B20993Bc481177ec7E8f571ceCaE8A9e22C02db [🔗](#)

to GenomicsDataManagement.ProofofFullAccess(uint256,uint256) 0xf8e81D47203A594245E36C48e151709F0C19fBe8 [🔗](#)

logs

```
"from": "0xf8e81D47203A594245E36C48e151709F0C19fBe8",
"topic": "0xc4f156304a2d6bbd9996c436f71e900eeb7fb4bfff01425d20e820c42860d6d8e",
"event": "FullAccessGranted",
"args": {
  "SeqNFTId": "1",
  "nft": "0xd8b934580fcE35a11B58C6D73aDeE468a2833fa8",
  "tokenId": "1",
  "dataOwner": "0x4B20993Bc481177ec7E8f571ceCaE8A9e22C02db",
  "dataBuyer": "0x17F6AD8Ef982297579C203069C1DbfFE4348c372"
}
```

transaction hash 0x828a12b5ffe3cf1bcaf38af0023b295c61cd3007b94c378337f064f86b44501b [🔗](#)

from 0x5c6B0f7Bf3E7ce046039Bd8FABdfD3f9F5021678 [🔗](#)

to GenomicsDataManagement.requestLimitedAccess(uint256,uint256) 0xf8e81D47203A594245E36C48e151709F0C19fBe8 [🔗](#)

decoded input {
 "uint256 _SeqNFTId": "1",
 "uint256 _numerofofoperations": "5"
}

transaction hash 0x2fef12f92b4da9c963add70f79391a08cadfcc3c4f96fde7e0439fb36917225 [🔗](#)

from 0x617F2E2fD72FD9D5503197092aC168c91465E7f2 [🔗](#)

to GenomicsDataManagement.UpdateBuyerLimitedAccessOperations(uint256,uint256,address) 0xf8e81D47203A594245E36C48e151709F0C19fBe8 [🔗](#)

decoded input {
 "uint256 _SeqNFTId": "1",
 "uint256 _numerofofexecutedoperations": "2",
 "address _dataBuyer": "0x5c6B0f7Bf3E7ce046039Bd8FABdfD3f9F5021678"
}