doxex ✓

Blockchain Security Audit

- ✓ **Blockchain Security**
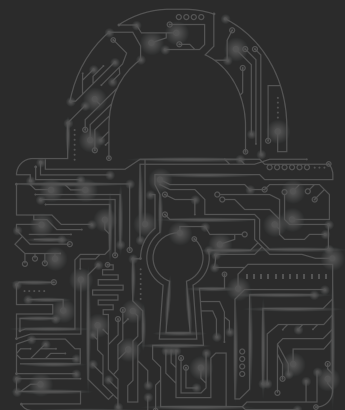- ✓ **Smart Contract Audits**
- ✓ **KYC**

Audit

Security Assessment

JULY 29 2022

For:

BOJI TOKEN

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Version	Date	Description
1.0	July 2022	• Layout project • Automated- /Manual-Security • Testing • Summary

Network
Binance Smart Chain (BEP20)

Website
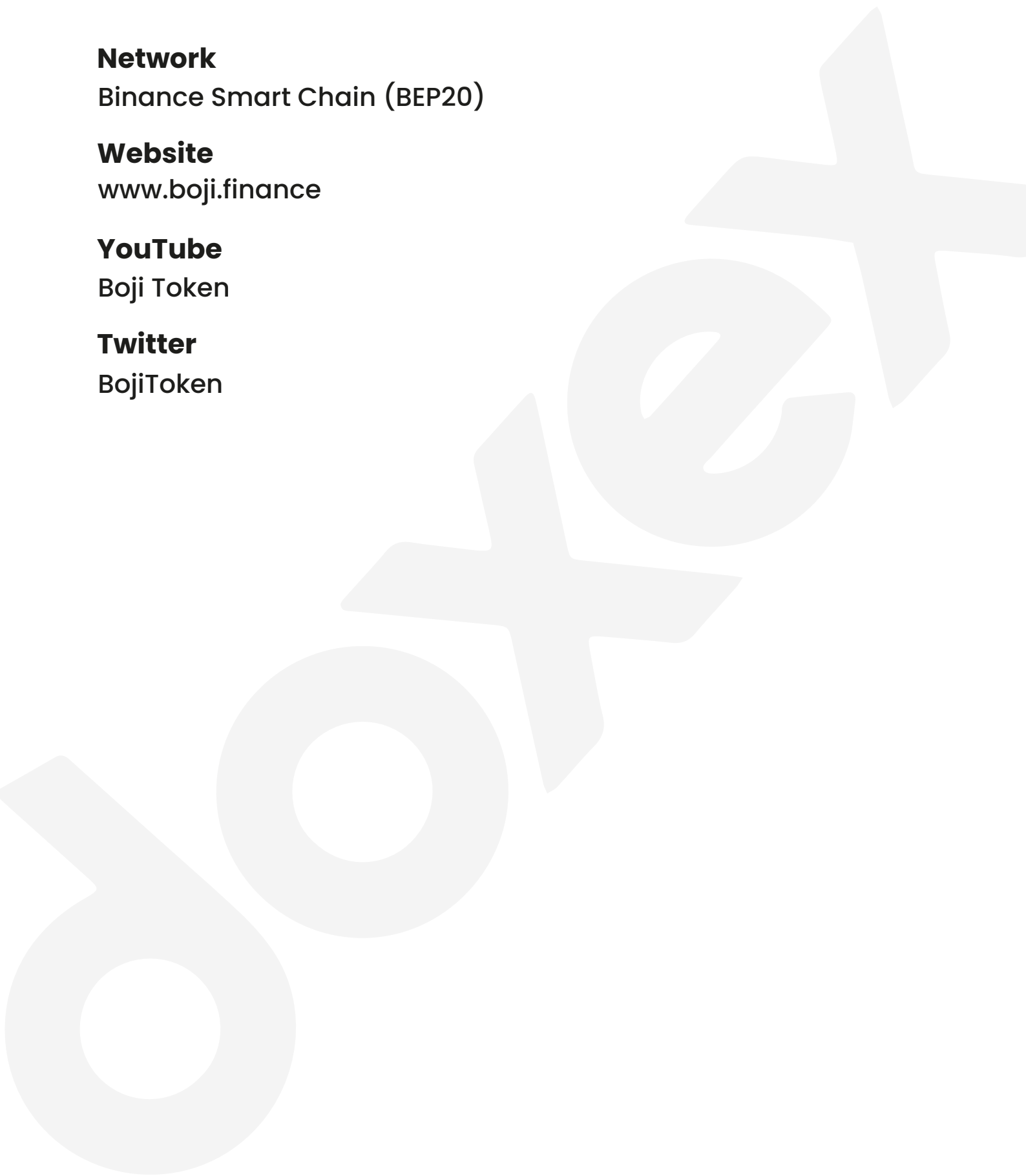www.boji.finance

YouTube
Boji Token

Twitter
BojiToken

Description

Boji Token was created on 3 April 2022 with the goal of being a fully decentralized project with a purpose.

Project Engagement

Boji Token was created on 3 April 2022 with the goal of being a fully decentralized project with a purpose.
Boji Token is a community-driven token built on a foundation of transparency and open communication with the community.
Boji Token brings crypto adoption to the main stream with new concepts such as NFTs, DEX, Metaverse gaming.
The goal is; to improve the conditions for the animals around the world and change the universe as a better to live for animals.

Logo

Contract

Binance Smart Chain: 0x9b4898ADA204A77BA3e837245A210AE3759F4153

Background

Doxex was commissioned by BNBHive to perform an audit of smart contracts:

https://bscscan.com/address/0x1b19c6bb5ea3290dc8b4cb722dee9eea7bc7b164#code

The purpose of the audit was to achieve the following:

▌Ensure that the smart contract functions as intended.
▌Identify potential security issues with the smart contract.

The information in this report should be used to understand the risk exposure of the smart contract, and as a guide to improve the security posture of the smart contract by remediating the issues that were identified.

# Contracts Details

Token contract details for 24.07.2022

Contract name	BOJI
Contract address	0x1b19c6bB5ea3290dc8b4Cb722Dee9EEa7BC7B164
Total supply	700,000,000,000,000
Token ticker	BOJI
Decimals	9
Token holders	2,908
Transactions count	17,731
Top 100 holders dominance	83.93%
Total fees	19814531687589148917112
Liquidity fee	3
Tax fee	1
Team fee	6
Uniswap V2 pair	0x3e3694a7f72554362ab1a17a4abf68434ca980da
Contract deployer address	0x86670ea08664556e1a1fdd18400807134894a3eb
Owner address	0x86670ea08664556e1a1fdd18400807134894a3eb

Coalphoenix Token Distribution

BOJI Top 100 Token Holders
Source: BscScan.com

(A total of 587,481,779,978,520.00 tokens held by the top 100 accounts from the total supply of 700,000,000,000,000.00 token)
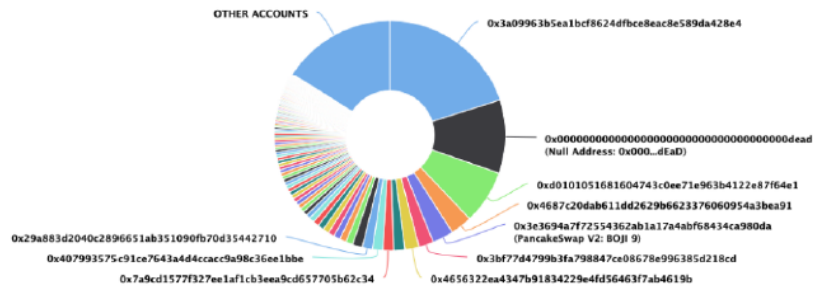
BOJI Top 10 Token Holders

Rank	Address	Quantity (Token)	Percentage
1	📄 0x3a09963b5ea1bcf8624dfbce8eac8e589da428e4	140,577,912,177,997.570072343	20.0826%
2	Null Address: 0x000...dEaD	72,009,190,701,791.558250162	10.2870%
3	0xd010105168160473c0ee71e963b4122e87f64e1	52,497,580,484,384.606852835	7.4997%
4	0x4687c20dab611dd2629b6623376060954a3bea91	21,283,318,838,690.226903243	3.0405%
5	📄 PancakeSwap V2: BOJI 9	20,798,541,918,659.573577417	2.9712%
6	0x3bf77d4799b3fa798847ce08678e996385d218cd	14,516,749,674,623.913885791	2.0738%
7	0x4656322ea4347b91834229e4fd56463f7ab4619b	13,751,466,032,581.911235266	1.9645%
8	0xe06c4dc815a615e93777ee09e73e710817ad7be9	11,098,209,725,228.902383066	1.5855%
9	0x7a9cd1577f327ee1af1cb3eea9cd657705b62c34	10,390,936,609,205.027151263	1.4844%
10	📄 0x407993575c91ce7643a4d4ccacc9a98c36ee1bbe	10,059,028,763,204.149704866	1.4370%

BOJI LP Token Holders

Rank	Address	Quantity	Percentage
1	📄 0xecc4c93c4ac67f88bcea4734adc80e2e4d8784c7	1,722.184113535940234556	99.4518%
2	📄 0x0ed943ce24baebf257488771759f9bf482c39706	9.493778395980693104	0.5482%
3	📄 Null Address: 0x000...000	0.000000000000001	0.0000%

Coalphoenix Token Distribution

+ [Lib] SafeMath
  - [Int] tryAdd
  - [Int] trySub
  - [Int] tryMul
  - [Int] tryDiv
  - [Int] tryMod
  - [Int] add
  - [Int] sub
  - [Int] mul
  - [Int] div
  - [Int] mod
  - [Int] sub
  - [Int] div
  - [Int] mod

+ Ownable (Context)
  - [Pub] <Constructor> #
  - [Pub] owner
  - [Pub] renounceOwnership #
    - modifiers: onlyOwner
  - [Pub] transferOwnership #
    - modifiers: onlyOwner
  - [Prv] _setOwner #

+ [Int] IUniswapV2Router02 (IUniswapV2Router01)
  - [Ext] removeLiquidityETHSupportingFeeOnTransferTokens #
  - [Ext] removeLiquidityETHWithPermitSupportingFeeOnTransferTokens #
  - [Ext] swapExactTokensForTokensSupportingFeeOnTransferTokens #
  - [Ext] swapExactETHForTokensSupportingFeeOnTransferTokens ($)
  - [Ext] swapExactTokensForETHSupportingFeeOnTransferTokens #

+ [Int] IUniswapV2Router01
  - [Ext] factory
  - [Ext] WETH
  - [Ext] addLiquidity #
  - [Ext] addLiquidityETH ($)
  - [Ext] removeLiquidity #
  - [Ext] removeLiquidityETH #
  - [Ext] removeLiquidityWithPermit #
  - [Ext] removeLiquidityETHWithPermit #
  - [Ext] swapExactTokensForTokens #

- [Ext] swapTokensForExactTokens #
- [Ext] swapExactETHForTokens ($)
- [Ext] swapTokensForExactETH #
- [Ext] swapExactTokensForETH #
- [Ext] swapETHForExactTokens ($)
- [Ext] quote
- [Ext] getAmountOut
- [Ext] getAmountIn
- [Ext] getAmountsOut
- [Ext] getAmountsIn

+ [Int] IUniswapV2Pair
- [Ext] name
- [Ext] symbol
- [Ext] decimals
- [Ext] totalSupply
- [Ext] balanceOf
- [Ext] allowance
- [Ext] approve #
- [Ext] transfer #
- [Ext] transferFrom #
- [Ext] DOMAIN_SEPARATOR
- [Ext] PERMIT_TYPEHASH
- [Ext] nonces
- [Ext] permit #
- [Ext] MINIMUM_LIQUIDITY
- [Ext] factory
- [Ext] token0
- [Ext] token1
- [Ext] getReserves
- [Ext] price0CumulativeLast
- [Ext] price1CumulativeLast
- [Ext] kLast
- [Ext] mint #
- [Ext] burn #
- [Ext] swap #
- [Ext] skim #
- [Ext] sync #
- [Ext] initialize #

+ [Int] IUniswapV2Factory
- [Ext] feeTo
- [Ext] feeToSetter
- [Ext] getPair
- [Ext] allPairs

- [Ext] allPairsLength
- [Ext] createPair #
- [Ext] setFeeTo #
- [Ext] setFeeToSetter #

+ [Int] IERC20
- [Ext] totalSupply
- [Ext] balanceOf
- [Ext] transfer #
- [Ext] allowance
- [Ext] approve #
- [Ext] transferFrom #

+ Context
- [Int] _msgSender
- [Int] _msgData

+ [Lib] Address
- [Int] isContract
- [Int] sendValue #
- [Int] functionCall #
- [Int] functionCall #
- [Int] functionCallWithValue #
- [Int] functionCallWithValue #
- [Int] functionStaticCall
- [Int] functionStaticCall
- [Int] functionDelegateCall #
- [Int] functionDelegateCall #
- [Prv] _verifyCallResult

+ BOJI (Context, IERC20, Ownable)
- [Pub] <Constructor> #
- [Pub] name
- [Pub] symbol
- [Pub] decimals
- [Pub] totalSupply
- [Pub] balanceOf
- [Pub] transfer #
- [Pub] allowance
- [Pub] approve #
- [Pub] transferFrom #
- [Pub] increaseAllowance #
- [Pub] decreaseAllowance #
- [Pub] isExcluded
- [Ext] setExcludeFromFee #

- modifiers: onlyOwner
- [Ext] enableDisableBuySellLimit #
- modifiers: onlyOwner
- [Ext] _setBuySellLimit #
- modifiers: onlyOwner
- [Pub] totalFees
- [Pub] deliver #
- [Pub] reflectionFromToken
- [Pub] tokenFromReflection
- [Ext] excludeAccount #
- modifiers: onlyOwner
- [Ext] includeAccount #
- modifiers: onlyOwner
- [Prv] removeAllFee #
- [Prv] restoreAllFee #
- [Pub] isExcludedFromFee
- [Prv] _approve #
- [Prv] _transfer #
- [Prv] swapTokensForEth #
- modifiers: lockTheSwap
- [Prv] sendETHToTeam #
- [Ext] manualSwap #
- modifiers: onlyOwner
- [Ext] manualSend #
- modifiers: onlyOwner
- [Ext] setSwapEnabled #
- modifiers: onlyOwner
- [Ext] setCooldownEnabled #
- modifiers: onlyOwner
- [Prv] _tokenTransfer #
- [Prv] _transferStandard #
- [Prv] _transferToExcluded #
- [Prv] _transferFromExcluded #
- [Prv] _transferBothExcluded #
- [Prv] _takeTeam #
- [Prv] _reflectFee #
- [Ext] <Fallback> ($)
- [Prv] _getValues
- [Prv] _getTValues
- [Prv] _getRValues
- [Prv] _getRate
- [Prv] _getCurrentSupply
- [Prv] _getTaxFee
- [Prv] _getMaxTxAmount
- [Pub] getMaxTxAmount

- [Pub] getNumOfTokensToExchangeForTeam
- [Pub] _getETHBalance
- [Ext] _setTaxFee #
- modifiers: onlyOwner
- [Ext] _setTeamFee #
- modifiers: onlyOwner
- [Ext] setLiquidityFeePercent #
- modifiers: onlyOwner
- [Ext] _setOpsTeamWallet #
- modifiers: onlyOwner
- [Ext] setnumOfTokensToExchangeForTeam #
- modifiers: onlyOwner
- [Ext] _setMaxTxAmount #
- modifiers: onlyOwner
- [Prv] _takeLiquidity #

($) = payable function
= non-constant function

Issues Checking Status

Issue description	Checking status
1. Compiler errors.	PASSED
2. Race conditions and Reentrancy. Cross-function race Passed conditions.	PASSED
3. Possible delays in data delivery.	PASSED
4. Oracle calls.	PASSED
5. Front running.	PASSED
6. Timestamp dependence.	PASSED
7. Integer Overflow and Underflow.	PASSED
8. DoS with Revert.	PASSED
9. DoS with block gas limit.	PASSED
10. Methods execution permissions.	PASSED
11. Economy model of the contract.	PASSED
12. The impact of the exchange rate on the logic.	PASSED
13. Private user data leaks.	PASSED
14. Malicious Event log.	PASSED
15. Scoping and Declarations.	PASSED
16. Uninitialized storage pointers.	PASSED
17. Arithmetic accuracy.	PASSED
18. Design Logic.	PASSED
19. Cross-function race conditions	PASSED
20. Safe Open Zeppelin contracts implementation and Passed usage.	PASSED
21. Fallback function security.	PASSED

Audit Results

AUDIT PASSED

✅ Security Issues
No high severity issues found.

✅ Medium Severity Issues
No medium severity issues found.

✅ Low Severity Issues
No low severity issues found.

Notes

• Old owner is not removed from exemptions after transferring ownership.

Owner privileges (In the period when the owner is not renounced)

• Owner can change the tax, liquidity and team fee(from 1 to 7).
• Owner can change the maximum transaction amount.
• Owner can change MIN_BUY_SELL_TXN_AMOUNT.
• Owner can exclude from the fee.
• Owner can enable/disable buy/sell limit.
• Owner can change _numOfTokensToExchangeForTeam.
• Owner can manually swap and send ETH to team.
• Owner can enable/disable swap and cooldown.
• Owner can change _opsTeamWalletAddress.

Testnet deployment

Contracts Description Table

Contract	Type	Bases			
L	**Function Name**	**Visibility**	**Mutability**	**Modifiers**	
Ownable	Implementation	Context			
L	renounceOwnership	Public ❗	🔴	onlyOwner	
L	transferOwnership	Public ❗	🔴	onlyOwner	
BOJI	Implementation	Context, IERC20, Ownable			
L	transfer	Public ❗	🔴	NO❗	
L	approve	Public ❗	🔴	NO❗	
L	transferFrom	Public ❗	🔴	NO❗	
L	increaseAllowance	Public ❗	🔴	NO❗	
L	decreaseAllowance	Public ❗	🔴	NO❗	
L	setExcludeFromFee	External ❗	🔴	onlyOwner	
L	enableDisableBuySellLimit	External ❗	🔴	onlyOwner	
L	setBuySellLimit	External ❗	🔴	onlyOwner	
L	deliver	Public ❗	🔴	NO❗	
L	excludeAccount	External ❗	🔴	onlyOwner	
L	includeAccount	External ❗	🔴	onlyOwner	
L	manualSwap	External ❗	🔴	onlyOwner	
L	manualSend	External ❗	🔴	onlyOwner	
L	setSwapEnabled	External ❗	🔴	onlyOwner	
L	setCooldownEnabled	External ❗	🔴	onlyOwner	
L	setTaxFee	External ❗	🔴	onlyOwner	
L	setTeamFee	External ❗	🔴	onlyOwner	
L	setLiquidityFeePercent	External ❗	🔴	onlyOwner	
L	setOpsTeamWallet	External ❗	🔴	onlyOwner	
L	setnumOfTokensToExchangeForTeam	External ❗	🔴	onlyOwner	
L	setMaxTxAmount	External ❗	🔴	onlyOwner	

Legend

Symbol	Meaning
🔴	Function can modify state
💵	Function is payable

Conclusion

Smart contracts do not contain high severity issues! Liquidity pair contract's security is not checked due to out of scope. The further transfers and operations with the funds raise are not related to this particular contract.

Liquidity locking details are provided by the team:

https://dxsale.app/app/v3_3/dxlockview?id=0&add=0x3E3694a7f72554362AB1a17a4aBf68434CA980Da&type=lplock&chain=BSC

TechRate note:

Please check the disclaimer above and note, the audit makes no statements or warranties on business model, investment attractiveness or code sustainability. The report is provided for the only contract mentioned in the report and does not include any other potential contracts deployed by Owner.

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Blockchain Security Audit

✔ **Blockchain Security**
✔ **Smart Contract Audits**
✔ **KYC**