

Table 5: Detection Coverage per Exploit Case Across Methods and Ablations (✓ = detected, △ = running error, blank = not detected)

Project [10]	Loss	Vulnerability Type	Date	GenDetect (Ablation)				Forta	POMA	DeFiR	TxSpec
				Full	w/o SX	w/o LX	w/o TTA				
MIM_Spell	\$13.4 M	Business Logic Flaw	2025/3/25	✓		✓			△		
Zoth	\$8.9 M	Compromised Private Key	2025/3/21						△	△	
linch Fusion V1	\$5 M	Business Logic Flaw	2025/3/5	✓		✓		✓	✓	✓	
Infini	\$50 M	Compromised Private Key	2025/2/24						△	△	
HegicOptions	\$104 K	Business Logic Flaw	2025/2/23	✓	✓	✓		✓	✓		
Bybit	\$1500 M	Compromised Private Key	2025/2/21						△	△	
Unknown	\$170 K	Access Control Issue	2025/2/13	✓	✓	✓	✓	✓		✓	
Four.MeMe	\$183 K	Business Logic Flaw	2025/2/11	✓		✓	✓	✓			
The Idols NFT	\$341 K	Business Logic Flaw	2025/1/14	✓	✓	✓	✓		△		
FEG (Feed Every Gorilla)	\$1 M	Access Control Issue	2024/12/29					✓	△	△	
GemPad	\$1.8 M	Reentrancy	2024/12/17	✓			✓	✓		✓	✓
VestraDAO	\$400 K	Business Logic Flaw	2024/12/4	✓		✓			✓	✓	
vETH	\$477 K	Vulnerable Price Dependency	2024/11/14	✓				✓	✓	✓	
DeltaPrime	\$4.8 M	Reentrancy	2024/11/11	✓	✓		✓	✓		✓	✓
Unknown protocol	\$1.4 M	Vulnerable Price Dependency	2024/10/24	✓		✓	✓	✓	✓	✓	
Radiant	\$58 M	Compromised Private Key	2024/10/16						△		
OnyxDao	\$4 M	Unverified User Input	2024/9/26	✓		✓	✓	✓			✓
Shezmu	\$1.5 M	Business Logic Flaw	2024/9/20	✓		✓	✓		✓	✓	
CUT	\$1.4 M	Vulnerable Price Dependency	2024/9/10	✓		✓	✓	✓	✓	✓	
Penpie	\$27 M	Reentrancy	2024/9/3	✓	✓		✓	✓		✓	✓
VOW	\$1 M	Misconfiguration	2024/8/13	✓		✓	✓	✓		✓	
Ronin Bridge	\$11.8 M	Misconfiguration	2024/8/6	✓		✓	✓		△	✓	
TokenStake (Unknown)	\$578 K	Vulnerable Price Dependency	2024/8/5	✓		✓	✓	✓	✓	✓	
DeltaPrime	\$1 M	Misconfiguration	2024/7/22	✓		✓	✓	✓		✓	
LI.FI	\$11 M	Arbitrary Call	2024/7/16	✓	✓	✓	✓	✓			
Dough Finance	\$1.8 M	Access Control Issue	2024/7/12					✓		△	
UwU Lend	\$23 M	Vulnerable Price Dependency	2024/6/10	✓		✓	✓	✓	△	✓	
Velocore	\$6.8 M	Business Logic Flaw	2024/6/1	✓	✓	✓			△		
SonneFinance	\$20 M	Precision Loss	2024/5/14	✓		✓	✓	✓		△	✓
PikeFinance	\$1.7 M	Storage Collision	2024/4/30					✓	△		
PikeFinance	\$300 K	Unverified User Input	2024/4/25	✓					△		✓
SaitaChain	\$1 M	Access Control Issue	2024/4/24	✓		✓	✓	✓		△	
YIEDL	\$150 K	Unverified User Input	2024/4/24								✓
Hedgey Finance	\$1.8 M	Unverified User Input	2024/4/19					✓		△	✓
ATM Token	\$182 K	Business Logic Flaw	2024/4/1	✓		✓					
OpenLeverage	\$234 K	Reentrancy	2024/4/1	✓	✓		✓	✓	△	✓	✓
PrismaFi	\$11.6 M	Unverified User Input	2024/3/28					✓			✓
ParaSwap	\$300 K	Access Control Issue	2024/3/19	✓	✓	✓	✓	✓		△	
MO Token	\$750 K	Business Logic Flaw	2024/3/14	✓		✓	✓		✓		
unizen	\$2.8 M	Unverified User Input	2024/3/8					✓	△		✓
WOO	\$8.8 M	Vulnerable Price Dependency	2024/3/5	✓		✓	✓	✓	△	✓	
Seneca	\$6 M	Arbitrary Call	2024/2/28	✓	✓	✓	✓	✓	△	△	
Particle Trade	\$139 K	Unverified User Input	2024/2/15					✓			✓
MIM_Spell	\$6.5 M	Precision Loss	2024/1/30	✓	✓	✓	✓	✓			✓
Barley Finance	\$130 K	Reentrancy	2024/1/28	✓		✓	✓			✓	✓
Socket	\$3.2 M	Unverified User Input	2024/1/16						△		✓
Gamma Strategies	\$6.5 M	Vulnerable Price Dependency	2024/1/4	✓	✓	✓	✓	✓	✓	✓	
Radiant Capital	\$4.5 M	Accounting Error	2024/1/2	✓	✓		✓	✓			
Elephant Money	\$165 K	Flawed Price Dependency	2023/12/6	✓		✓		✓	✓	✓	
KyberSwap	\$46 M	Precision Loss	2023/11/22	✓			✓				✓
Exactly Protocol	\$7 M	Untrusted Input	2023/8/18								
Curve	\$60 M	Reentrancy	2023/7/30	✓	✓	✓	✓	✓		✓	✓
Carson Token	\$150 K	Flawed Price Dependency	2023/7/26	✓			✓	✓	✓	✓	
Libertify	\$452 K	Reentrancy	2023/7/11	✓	✓		✓	✓	△	✓	✓
Arcadia Finance	\$400 K	Reentrancy	2023/7/10	✓		✓	✓	✓		✓	✓
Jimbo Protocol	\$8 M	Flawed Price Dependency	2023/5/28	✓		✓		✓	✓	✓	
yearnFinance	\$11 M	Misconfiguration	2023/4/13	✓	✓	✓	✓				
SushiSwap	\$3.3 M	Untrusted Input	2023/4/9							△	
Low-Carb-Crusader	\$25 M	Business Logic Flaw	2023/4/2	✓			✓		✓		
Euler Finance	\$200 M	Business Logic Flaw	2023/3/13	✓		✓			✓		
dForce	\$3.6 M	Flawed Price Dependency	2023/2/9	✓	✓	✓	✓		✓	✓	
Orion Protocol	\$3 M	Reentrancy	2023/2/2	✓		✓	✓	✓	△	✓	✓
BongDAO	\$120 M	Flawed Price Dependency	2023/2/1	✓		✓	✓	✓	✓	✓	
BRA Token	\$224 K	Business Logic Flaw	2023/1/10	✓		✓	✓	✓	✓		
Coverage				0.7656	0.2813	0.5625	0.6094	0.6563	0.2813	0.4375	0.3125