

| Studies | Research Objectives | Data Source | | Label System Objects | Graph Representation | Approach |
|--------------|--|-------------|----------------|----------------------|----------------------|--------------------------------|
| | | Audit Logs | Syscall Traces | | | |
| TPG [5] | Technique Classification | V | | V | V | Rules by Symantic EDR |
| HOLMES [6] | Technique Classification | V | | | V | Event Rules |
| Log2Vec [7] | Anomaly Detection | V | | | V | Graph Rules, Cluster Detection |
| Tiresias [8] | Event Forecast | V | | | | RNNs |
| SetConv [9] | Tactic Classification | | V | V | | OAML, CNNs |
| Our Research | Display & Query Malware Execution Steps | | V | V | V | Execution Causal Relationship |