



Erroneous SQLi Detection Accuracy



Scanner	500Error-GET	500Error-POST	200Error-GET	200Error-POST
arachni	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19 (Cases 15,16 were missed by 0.2.4, but detected by 0.3)	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19 (Cases 15,16 were missed by 0.2.4, but detected by 0.3)
Wapiti	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19
Netsparker (Commercial Edition)	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19
sqlmap	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19 (case 4 was only detected after defining mysql as the dbms and scanning individually)	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19
ParosPro	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19
IBM Rational AppScan	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19
Acunetix WVS (Commercial Edition)	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19
NTOSpider	100.00% (20 of 20) Detected (Error): 1(1st&2nd)-19 Detected (Blind): 1(1st&2nd)-3,6-8,10- 13,15-18 Cases Missed: None	100.00% (20 of 20) Detected (Error): 1(1st&2nd)-19 Detected (Blind): 1(1st&2nd)-3,6-8,10- 13,15-18 Cases Missed: None	100.00% (20 of 20) Detected (Error): 1(1st&2nd)-19 Detected (Blind): 1(1st&2nd)-3,6-8,10- 13,15-18 Cases Missed: None	100.00% (20 of 20) Detected (Error): 1(1st&2nd)-19 Detected (Blind): 1(1st&2nd)-3,6-8,10- 13,15-18 Cases Missed: None

Scanner	500Error-GET	500Error-POST	200Error-GET	200Error-POST
Nessus	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19
ZAP	95.00% (19 of 20) Cases Detected: 1(1st&2nd)-18 Cases Missed: 19	90.00% (18 of 20) Cases Detected: 1(1st)-18 Cases Missed: 1(2nd),19	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19	95.00% (19 of 20) Cases Detected: 1(1st)-19 Cases Missed: 1(2nd)
Andiparos	95.00% (19 of 20) Cases Detected: 1(1st&2nd),2-18 Cases Missed: 19	90.00% (18 of 20) Cases Detected: 1(1st),2-18 Cases Missed: 1(2nd),19	95.00% (19 of 20) Cases Detected: 1(1st&2nd),2-18 Cases Missed: 19	95.00% (19 of 20) Incosistent Results (Case 19). Cases Detected: 1(1st),2-19 Cases Missed: 1(2nd)
Paros Proxy	95.00% (19 of 20) Cases Detected: 1(1st&2nd),2-18 Cases Missed: 19	90.00% (18 of 20) Cases Detected: 1(1st),2-18 Cases Missed: 1(2nd),19	95.00% (19 of 20) Cases Detected: 1(1st&2nd),2-18 Cases Missed: 19	90.00% (18 of 20) Cases Detected: 1(1st),2-18 Cases Missed: 1(2nd),19
WebInspect	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19 (all but 15, 17, 18 & 19 were also confirmed by the tool)	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19 (all but 15, 18 & 19 were also confirmed by the tool)	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19 (all but 15 & 19 were also confirmed by the tool)	100.00% (20 of 20) Cases Detected:1(1st&2nd)-19 (all but 15 & 19 were also confirmed by the tool)
Vega	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19	95.00% (19 of 20) Cases Detected: 1(2nd)-19 Cases Missed: 1(1st)	95.00% (19 of 20) Cases Detected: 1(1st&2nd),3-19 Cases Missed: 2	95.00% (19 of 20) Cases Detected: 1(1st)-19 Cases Missed: 1(2nd)
Burp Suite Professional	90.00% (18 of 20) Cases Detected: 1(1st&2nd)-14,16-18 Cases Missed: 15,19	90.00% (18 of 20) Cases Detected: 1(1st&2nd)-14,16-18 Cases Missed: 15,19	85.00% (17 of 20) Cases Detected: 1(1st&2nd)-14,16,17 Cases Missed: 15,18,19	90.00% (18 of 20) Cases Detected: 1(1st&2nd)-14,16-18 Cases Missed: 15,19
Netsparker Community Edition	100.00% (20 of 20) Cases Detected: 1(1st&2nd),2-19	100.00% (20 of 20) Cases Detected: 1(1st&2nd),2-19	100.00% (20 of 20) Cases Detected: 1(1st&2nd),2-19	100.00% (20 of 20) Cases Detected: 1(1st&2nd),2-19
Watobo	85.00% (17 of 20) Cases Detected: 1(1st&2nd),2-14,16,18 Cases Missed: 15,17,19	85.00% (17 of 20) Cases Detected: 1(1st&2nd),2-14,17,18 Cases Missed: 15,16,19	85.00% (17 of 20) Cases Detected: 1(1st&2nd),2-14,16,18 Cases Missed: 15,17,19	85.00% (17 of 20) Cases Detected: 1(1st&2nd),2-14,17,18 Cases Missed: 15,16,19

Scanner	500Error-GET	500Error-POST	200Error-GET	200Error-POST
Cenzic Hailstorm Professional	85.00% (17 of 20)	80.00% (16 of 20)	85.00% (17 of 20)	80.00% (16 of 20)
	Error Cases (D): 1(1st&2nd),3-5,8-10,13,14 Blind & Disclosure (D): 2,6,7,11,12,15-17 Cased Missed: 18,19	Error Cases (D): 1(1st&2nd),3-5,7-10,13,14 Blind & Disclosure (D): 2,6,11,12,15,16 Cased Missed: 17,18,19	Error Cases (D): 1(1st&2nd),3-5,8-10,13,14 Blind & Disclosure (D): 2,6,7,11,12,15-17 Cased Missed: 18,19	Error Cases (D): 1(1st&2nd),3-5,7-10,13,14 Blind & Disclosure (D): 2,6,11,12,15,16 Cased Missed: 17,18,19
JSky (Commercial Edition)	100.00% (20 of 20)	90.00% (18 of 20)	100.00% (20 of 20)	90.00% (18 of 20)
	Cases Detected: 1(1st&2nd)-19	Cases Detected: 1(1st&2nd)-5,7-15,17-19 Cases Missed: 6,16	Cases Detected: 1(1st&2nd)-19	Cases Detected: 1(1st&2nd)-5,7-15,17-19 Cases Missed: 6,16
Sandcat Free Edition	100.00% (20 of 20)	100.00% (20 of 20)	100.00% (20 of 20)	100.00% (20 of 20)
	Cases Detected: 1(1st&2nd)-19	Cases Detected: 1(1st&2nd)-19	Cases Detected: 1(1st&2nd)-19	Cases Detected: 1(1st&2nd)-19
WebSecurify	100.00% (20 of 20)	100.00% (20 of 20)	100.00% (20 of 20)	100.00% (20 of 20)
	Cases Detected: 1(1st&2nd),2-19	Cases Detected: 1(1st&2nd),2-19	Cases Detected: 1(1st&2nd)-19	Cases Detected: 1(1st&2nd)-19
Sandcat Pro	100.00% (20 of 20)	100.00% (20 of 20)	100.00% (20 of 20)	100.00% (20 of 20)
	Cases Detected: 1(1st&2nd)-19	Cases Detected: 1(1st&2nd)-19	Cases Detected: 1(1st&2nd)-19	Cases Detected: 1(1st&2nd)-19
Oedipus	75.00% (15 of 20)	75.00% (15 of 20)	75.00% (15 of 20)	75.00% (15 of 20)
	Cases Detected: 1(1st&2nd)-14 Cases Missed: 15-19	Cases Detected: 1(1st&2nd)-14 Cases Missed: 15-19	Cases Detected: 1(1st&2nd)-14 Cases Missed: 15-19	Cases Detected: 1(1st&2nd)-14 Cases Missed: 15-19
W3AF	85.00% (17 of 20)	80.00% (16 of 20)	80.00% (16 of 20)	80.00% (16 of 20)
	Cases Detected: 1(1st&2nd)-14,17,19 (case 19 was detected as eval injection) Cases Missed: 15,16,18	Cases Detected: 1(1st&2nd)-14,17 Cases Missed: 15,16,18,19	Cases Detected: 1(1st&2nd)-14,17 Cases Missed: 15,16,18,19	Cases Detected: 1(1st&2nd)-14,17 Cases Missed: 15,16,18,19
SandcatCS	95.00% (19 of 20)	95.00% (19 of 20)	95.00% (19 of 20)	95.00% (19 of 20)
	Cases Detected: 1(1st)-19 Cases Missed: 1(2nd)	Cases Detected: 1(1st)-19 Cases Missed: 1(2nd)	Cases Detected: 1(1st)-19 Cases Missed: 1(2nd)	Cases Detected: 1(1st)-19 Cases Missed: 1(2nd)
ProxyStrike	65.00% (13 of 20)	55.00% (11 of 20)	70.00% (14 of 20)	65.00% (13 of 20)
	Cases Detected: 1(2nd),2,3,6,8-13,16-18 Cases Missed: 1(1st),4,5,7,14,15,19	Cases Detected: 2,3,6-13,18 Cases Missed: 1(1st&2nd),4,5,14-17,19	Cases Detected: 1(2nd),2,3,6-13,16-18 Cases Missed: 1(1st),4,5,14,15,19	Cases Detected: 2,3,5-13,17,18 Cases Missed: 1(1st&2nd),4,14-16,19
PowerFuzzer	100.00% (20 of 20)	100.00% (20 of 20)	75.00% (15 of 20)	75.00% (15 of 20)
	Cases Detected: 1(1st&2nd)-19	Cases Detected: 1(1st&2nd)-19	Cases Detected: 1(1st&2nd)-14 Cases Missed: 15-19	Cases Detected: 1(1st&2nd)-14 Cases Missed: 15-19

Scanner	500Error-GET	500Error-POST	200Error-GET	200Error-POST
WebCruiser Enterprise Edition	60.00% (12 of 20) Cases Detected: 1(2nd),3,6-8,11-13,15-18 Cases Missed: 1(1st),2,4,5,9,10,14,19	45.00% (9 of 20) Cases Detected: 1(2nd),3,7,8,11-13,17,18 Cases Missed: 1(1st),2,4-6,9,10,14-16,19	60.00% (12 of 20) Cases Detected: 1(2nd),3,6-8,11-13,15-18 Cases Missed: 1(1st),2,4,5,9,10,14,19	45.00% (9 of 20) Cases Detected: 1(2nd),3,7,8,11-13,17,18 Cases Missed: 1(1st),2,4-6,9,10,14-16,19
SkipFish	65.00% (13 of 20) Cases Detected: 1(2nd),2,5,8-11,14-19 Cases Missed: 1(1st),3,4,6,12,13 Inconsistent Results (Previous results (17): 1(1st&2nd),2,5-12,14-19)	60.00% (12 of 20) Cases Detected: 1(1st&2nd),2,8-11,15-19 Cases Missed: 3-7,12-14 Inconsistent Results (Previous results (11): 2,5,6,8,10-12,15-18)	70.00% (14 of 20) Cases Detected: 1(2nd),2,6-11,14-19 Cases Missed: 1(1st),3-5,12,13 (Previous results (19): 1(1st&2nd)-18)	70.00% (14 of 20) Cases Detected: 1(1st&2nd),2,6-11,14,15,17-19 Cases Missed: 3-5,12,13,16 (Previous results (11): 2,5,6,8,10-12,15-18)
WebCruiser Free Edition	60.00% (12 of 20) Cases Detected: 1(2nd),3,6-8,11-13,15-18 Cases Missed: 1(1st),2,4,5,9,10,14,19	45.00% (9 of 20) Cases Detected: 1(2nd),3,7,8,11-13,17,18 Cases Missed: 1(1st),2,4-6,9,10,14-16,19	60.00% (12 of 20) Cases Detected: 1(2nd),3,6-8,11-13,15-18 Cases Missed: 1(1st),2,4,5,9,10,14,19 (9,19 detected only as XSS)	45.00% (9 of 20) Cases Detected: 1(2nd),3,7,8,11-13,17,18 Cases Missed: 1(1st),2,4,5,10,14-16,19 (6,9,15,16,19 detected only as XSS)
Gamja	85.00% (17 of 20) Cases Detected: 1(1st&2nd),2,3,4,5,7,8,9,10,12,13,14,15,17,18,19 Cases Missed: 6,11,16	85.00% (17 of 20) Cases Detected: 1(1st&2nd),2,3,4,5,7,8,9,10,12,13,14,15,17,18,19 Cases Missed: 6,11,16	85.00% (17 of 20) Cases Detected: 1(1st&2nd),2,3,4,5,7,8,9,10,12,13,14,15,17,18,19 Cases Missed: 6,11,16	85.00% (17 of 20) Cases Detected: 1(1st&2nd),2,3,4,5,7,8,9,10,12,13,14,15,17,18,19 Cases Missed: 6,11,16
WSTool	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19	55.00% (11 of 20) Cases Detected: 5-10,15-19 Cases Missed: 1(1st&2nd)-4,11-14	55.00% (11 of 20) Cases Detected: 5-10,15-19 Cases Missed: 1(1st&2nd)-4,11-14
Grendel Scan	75.00% (15 of 20) Cases Detected: 1(1st&2nd)-14 Cases Missed: 15-19 (detected as errors)	70.00% (14 of 20) Cases Detected: 1(1st&2nd)-5,7-14 Cases Missed: 6,15-19 (detected as errors)	75.00% (15 of 20) Cases Detected: 1(1st&2nd)-14 Cases Missed: 15-19 (detected as errors)	70.00% (14 of 20) Cases Detected: 1(1st&2nd)-5,7-14 Cases Missed: 6,15-19 (detected as errors)
Damn Small SQLi Scanner (DSSS)	95.00% (19 of 20) Cases Detected: 1(1st&2nd)-18 Cases Missed: 19	0.00% (0 of 20) POST parameters are not scanned by this tool	95.00% (19 of 20) Cases Detected: 1(1st&2nd)-18 Cases Missed: 19	0.00% (0 of 20) POST parameters are not scanned by this tool
JSKY Free Edition	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19	0.00% (0 of 20) POST values are not covered by this tool	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19	0.00% (0 of 20) POST values are not covered by this tool
SQLiX	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19	0.00% (0 of 20) Cases Missed: 1(1st&2nd)-19	100.00% (20 of 20) Cases Detected: 1(1st&2nd)-19	0.00% (0 of 20) Cases Missed: 1(1st&2nd)-19

Scanner	500Error-GET	500Error-POST	200Error-GET	200Error-POST
safe3wvs	85.00% (17 of 20)	0.00% (0 of 20)	85.00% (17 of 20)	0.00% (0 of 20)
	Cases Detected: 1(1st&2nd),3,5-10,12-19 Cases Missed: 2,4,11	Cases Missed: 1(1st&2nd)-19	Cases Detected: 1(1st&2nd),3,5-10,12-19 Cases Missed: 2,4,11	Cases Missed: 1(st&2nd)-19
Mini MySQLat0r	45.00% (9 of 20)	10.00% (2 of 20)	45.00% (9 of 20)	10.00% (2 of 20)
	Cases Detected: 6-8,11-13,16-18 Cases Missed: 1-5,9,10,14,15,19	Cases Detected: 11,12 Cases Missed: 1-10,13-19	Cases Detected: 6-8,11-13,16-18 Cases Missed: 1-5,9,10,14,15,19	Cases Detected: 11,12 Cases Missed: 1-10,13-19
Uber Web Security Scanner	5.00% (1 of 20)	0.00% (0 of 20)	100.00% (20 of 20)	0.00% (0 of 20)
	Inconsistent Results. Cases Detected: 2 Cases Missed: 1(1st&2nd),3-19	Cases Missed: 1-19	1(1st&2nd)-19	Cases Missed: 1-19
Secubat	0.00% (0 of 20)	55.00% (11 of 20)	0.00% (0 of 20)	55.00% (11 of 20)
	Execution Failed.	Cases Detected: 2-5, 7-14 Cases Missed: 1(1st&2nd),6,15-19	Execution Failed.	Cases Detected: 2-5, 7-14 Cases Missed: 1(1st&2nd),6,15-19
Grabber	0.00% (0 of 20)	5.00% (1 of 20)	0.00% (0 of 20)	90.00% (18 of 20)
	Cases Missed: 1-19	Cases Detected: 2 Cases Missed: 1(1st&2nd),3-19	Cases Missed: 1-19	Cases Detected: 1(1st&2nd)-5,7-15,17-19 Cases Missed: 6,16
Scrawler	45.00% (9 of 20)	0.00% (0 of 20)	45.00% (9 of 20)	0.00% (0 of 20)
	Cases Detected: 1(1st&2nd),2,3,7,8,11-13 Cases Missed: 4-6,9,10,14-19	POST values are not covered by this tool	Cases Detected: 1(1st&2nd),2,3,7,8,11-13 Cases Missed: 4-6,9,10,14-19	POST values are not covered by this tool
aidSQL	20.00% (4 of 20)	0.00% (0 of 20)	40.00% (8 of 20)	0.00% (0 of 20)
	Cases Detected: 1(1st),2,7,17 Cases Missed: 1(2nd),3-6,8-16,18,19	Cases Missed: 1(1st&2nd)-19 (POST not supported?)	Cases Detected: 1(1st),2,6,7,11,12,16,17 Cases Missed: 1(2nd),3-5,8-10,13-15,18,19	Cases Missed: 1(1st&2nd)-19 (POST not supported?)
LoverBoy	0.00% (0 of 20)	0.00% (0 of 20)	0.00% (0 of 20)	0.00% (0 of 20)
	Execution Failed.	Execution Failed.	Execution Failed.	Execution Failed.
openAcunetix	0.00% (0 of 20)	0.00% (0 of 20)	0.00% (0 of 20)	0.00% (0 of 20)
	Execution Failed.	Execution Failed.	Execution Failed.	Execution Failed.
Web Injection Scanner (WIS)	0.00% (0 of 20)	0.00% (0 of 20)	0.00% (0 of 20)	0.00% (0 of 20)
	Execution Failed.	Execution Failed.	Execution Failed.	Execution Failed.
iScan	0.00% (0 of 20)	0.00% (0 of 20)	0.00% (0 of 20)	0.00% (0 of 20)
	The tool did not manage to scan URLs with upper case characters.	The tool did not manage to scan URLs with upper case characters.	The tool did not manage to scan URLs with upper case characters.	The tool did not manage to scan URLs with upper case characters.

Scanner	500Error-GET	500Error-POST	200Error-GET	200Error-POST
SQID (SQL Injection Digger)	0.00% (0 of 20)	0.00% (0 of 20)	0.00% (0 of 20)	0.00% (0 of 20)
	Cases Missed: 1-19	Cases Missed: 1-19	Cases Missed: 1-19	Cases Missed: 1-19
Xcobra	0.00% (0 of 20)	0.00% (0 of 20)	0.00% (0 of 20)	0.00% (0 of 20)
	Execution Failed.	Execution Failed.	Execution Failed.	Execution Failed.
Priamos	0.00% (0 of 20)	0.00% (0 of 20)	0.00% (0 of 20)	0.00% (0 of 20)
	Cases Missed: 1-19	Cases Missed: 1-19	Cases Missed: 1-19	Cases Missed: 1-19
VulnDetector	0.00% (0 of 20)	0.00% (0 of 20)	0.00% (0 of 20)	0.00% (0 of 20)
	Execution Failed.	Execution Failed.	Execution Failed.	Execution Failed.