TABLE I: JavaScript Patterns

ID	Pattern	#i	API	SEC	Dyn	OOP	Neg	Tools
1	unset_element_array	1			S		✓	$\overline{L}--\overline{FC}$
	unset_element_array	1			S			L--FC
2	uri	1			S			L-cFC
	uri	1		✓	S		✓	$--\overline{c}-\overline{C}$
3	evaluated_call_time	1			S		✓	$L--\overline{F}C$
	evaluated_call_time	1			S			L--FC
4	function_apply	1			S			---FC
5	variadic	1			S			---F-
6	callback_function	2			D1-D3			----C
7	array_unshift	1			S			L--F-
8	send_unpack	1			S			---FC
9	late_static_binding	1			D2			L-cFC
10	spread_properties	1			S			---FC
11	closure_scope_chain	1			S			L-cF-
12	NaN	1			S			L-cF-
13	function_declared_immediately_executed	1			S			-----
14	template_literals	1		✓	S			L-cFC
15	reflect_delete	2			S-D4		✓	$---\overline{FC}$
	reflect_delete	1			D4			---FC
16	nullish_coaleshing_operator	1			S			L-c--
17	call	2			S			L--FC
18	arguments	1			S			L--F-
19	nested_function	1			S			L-cFC
20	too_function_calls	2			S			L-c-C
21	new_target	1			S			L-cF-
22	reduce	1			S			---FC
23	forEach_in_nested	1			S			L-c--
24	finite	1			S			L-cFC
25	weak_map	1	✓		D2			L--FC
	weak_map	1	✓		D2		✓	$\overline{L}--\overline{FC}$
26	computed_properties	1			S			---FC
27	cast_string_array	1			S			L-cFC
28	closures	2			D2			L-cFC
	closures	1			D2			L----
29	recursion	2			D1			L-cFC
30	generator_delegation	1			D2			---F-
	generator_delegation	1			D4			----C
31	generatorfunction_constructor	1			D3			----C
32	array_shift	1			S			L--FC
	array_shift	1			S		✓	$\overline{L}--\overline{FC}$
33	array_lenght	1			S		✓	$\overline{L}--\overline{FC}$
	array_lenght	1			S			L--FC
34	bind	1			D1			----C
35	async_methods	1			D1			L----
36	returned_function	1			S			L-cF-
37	generators	1			D3			---F-
	generators	1			D3			----C
	generators	1			D3			---FC
	generators	1			D3		✓	$---\overline{FC}$
38	while_break	1			S			L-cFC
39	function_get_arguments	1			D1			L-cFC
	function_get_arguments	1			D2			---F-
	function_get_arguments	1			D4			-----
40	function_name_conflict	1			S			L-cFC
41	symbol	1	✓		S			---FC
42	anonymous_object	1			D1			L----
43	window_global	1			S			L-c--
44	array_map	1			D2			L--FC
45	escape_unescape(deprecated)	1	✓	✓	S		✓	$--\overline{c}\overline{F}C$
	escape_unescape(deprecated)	1	✓		S			--cFC
46	continue	1			S			L-cFC
47	check_type	1	✓		S			L-cFC
48	compare_variables	1			S			---FC

49	arrow_function	1			D2			L−c−C
50	conditional_assign	1			S			L−cFC
51	global_variable	1			S			L−c−C
52	super_property	1			D1	✓		−−−−−
53	simple_set	1			S	✓		−−−FC
54	define_property	1			D1	✓		L−c−C
	define_property	1			D1	✓	✓	$\overline{L}-\overline{c}-\overline{C}$
55	inheritance	1			S	✓		−−−−C
56	weak_ref	1	✓		D2	✓		−−−−C
57	object_seal	1			S	✓		−−−FC
58	object_freeze	1			S	✓		−−−FC
59	simple_object	1		✓	S	✓		L−−−C
60	object_create	1			D1	✓		−−−FC
61	delete_properties	1			S	✓	✓	$\overline{L}---\overline{C}$
	delete_properties	1			S1	✓		−−−−C
62	static_variable	1			S	✓		−−−−C
63	to_string	1	✓		S	✓		L−−F−
64	assign_object	1			S	✓		−−c−−
65	proto	1			D4	✓		−−−F−
66	static_methods_and_prop	1			S	✓		L−−−C
67	symbol_to_string_tag	1	✓		D1	✓		−−−F−
68	promise	1			S	✓		L−−FC
	promise	2			S	✓		L−cFC
69	set_and_get	1			S	✓		L−cFC
	set_and_get	1			S	✓		L−−FC
70	reflect_get	1		✓	S	✓		−−−FC
	reflect_get	1		✓	S	✓		−−−−C
71	named_class	1			D1	✓		L−−−−
	named_class	1			D1	✓		L−−F−
	named_class	1			D1	✓	✓	$\overline{L}--\overline{F}-$
72	errors	7		✓	S	✓		L−−F−
73	weak_set	1	✓		S	✓		−−−FC
74	object_argument	1			S	✓		−−cF−
75	functions_in_object	1			D1	✓		−−−−C
76	reference_argument	1			S	✓		−−c−−
77	object_clone	1			S	✓		−−−−−
78	asynchronous_event_handler	1	✓		D2			L−c−C
	asynchronous_event_handler	1	✓		D4			L−c−−
79	inline_function	1	✓		D1			L−c−C
80	json	1	✓		S			L−cFC
81	text_encoder	1	✓		S			−−−FC
82	location_assign_with_search	1	✓	✓	S			L−c−C
83	getAttribute	1	✓	✓	S			−−−−C
84	try_catch	1			S			L−c−C
	try_catch	1		✓	D2			L−c−C
	try_catch	1		✓	D2		✓	$\overline{L}-\overline{c}-\overline{C}$
85	block_scope	1			S			L−cF−
86	type_juggling	1			D3			−−−−−
	type_juggling	2			D3			L−−FC
	type_juggling	1			D3		✓	$\overline{L}--\overline{FC}$
87	modules	1			D2			−−−−C
88	with(deprecated)	1			S			L−−FC
89	proxy	1	✓		S			L−−FC
	proxy	1	✓		S		✓	$\overline{L}--\overline{FC}$
90	simple_array	1			S			L−cFC
	simple_array	1			S		✓	$\overline{L}-c\overline{FC}$
91	destructuring	1			S			L−cFC
92	set_to_array	1			S		✓	$----\overline{C}$
	set_to_array	1			S			−−−−C

93	for_of	1			S			L−−FC
94	matrix	1			S			−−cFC
	matrix	1			S			−−−FC
	matrix	1			S		✓	−−−F$\overline{C}$
95	arithmetic_operation_array_index	1			S			L−−−C
	arithmetic_operation_array_index	1			S		✓	$\overline{L}$−−−$\overline{C}$
96	object_literals	1			S			L−−FC
	object_literals	1			S			L−cFC
	object_literals	1			S			L−c−C
97	vulnerable_key_dictionary	2			S-D4			−−−−−
98	throw_exception	1		✓	D2			L−−−−
	throw_exception	1		✓	D4			−−−−−
99	GET_ajax	1	✓	✓	D2			L−cFC
100	replace_substring	1	✓		S			L−cFC
101	innerHTML_outerHTML	2	✓	✓	S			L−−−C
	Total	153	22	22		40	20	

Legenda for column Tools: LGTM (L), NodeJsScan (N), Coverity (c), Fortify (F), Checkmarx(C)