Table 1: How Frequently do Features Appear in Projects, and Which Features are Supported By Four Major Regex Projects? (Table 4)

rank	code	description	example	brics	hampi	Rex	RE2	nPatterns	% patterns	nProjects	% projects
1	ADD	one-or-more repetition	z+	•	•	•	•	6,003	44.1	1,204	73.2
2	CG	a capture group	(caught)	•	•	•	•	7,130	52.4	1,194	72.6
3	KLE	zero-or-more repetition	.*	•	•	•	•	6,017	44.3	1,099	66.8
4	CCC	custom character class	[aeiou]	•	•	•	•	4,468	32.9	1,026	62.4
5	ANY	any non-newline char	•	•	•	•	•	4,657	34.3	1,005	61.1
6	RNG	chars within a range	[a-z]	•	•	•	•	2,631	19.3	848	51.6
7	STR	start-of-line	^	0	•	•	•	3,563	26.2	846	51.4
8	END	end-of-line	\$	0	•	•	•	3,169	23.3	827	50.3
9	NCCC	negated CCC	[^qwxf]	•	•	•	•	1,935	14.2	776	47.2
10	WSP	\t \n \r \v \f or space	\s	0	•	•	•	2,846	20.9	762	46.3
11	OR	logical or	a b	•	•	•	•	2,102	15.5	708	43
12	DEC	any of: 0123456789	\d	0	•	•	•	2,297	16.9	692	42.1
13	WRD	[a-zA-Z0-9_]	\w	0	•	•	•	1,430	10.5	650	39.5
14	QST	zero-or-one repetition	z?	•	•	•	•	1,871	13.8	645	39.2
15	LZY	as few reps as possible	z+?	0	•	0	•	1,300	9.6	605	36.8
16	NCG	group without capturing	a(?:b)c	0	•	0	•	791	5.8	404	24.6
17	PNG	named capture group	(?P <name>x)</name>	0	•	0	•	915	6.7	354	21.5
18	SNG	exactly n repetition	z{8}	•	•	•	•	581	4.3	340	20.7
19	NWSP	any non-whitespace	\S	0	•	•	•	484	3.6	270	16.4
20	DBB	$n \le x \le m$ repetition	z{3,8}	•	•	•	•	367	2.7	238	14.5
21	NLKA	sequence doesn't follow	a(?!yz)	0	0	0	0	131	1	183	11.1
22	WNW	word/non-word boundary	\b	0	0	0	•	248	1.8	166	10.1
23	NWRD	non-word chars	\W	0	•	•	•	94	0.7	165	10
24	LWB	at least n repetition	z{15,}	•	•	•	•	91	0.7	158	9.6
25	LKA	matching sequence follows	a(?=bc)	0	0	0	0	112	0.8	158	9.6
26	OPT	options wrapper	(?i)CasE	0	•	0	•	231	1.7	154	9.4
27	NLKB	sequence doesn't precede	(? x)yz</td <td>0</td> <td>0</td> <td>0</td> <td>0</td> <td>94</td> <td>0.7</td> <td>137</td> <td>8.3</td>	0	0	0	0	94	0.7	137	8.3
28	LKB	matching sequence precedes	(?<=a)bc	0	0	0	0	80	0.6	120	7.3
29	ENDZ	absolute end of string	\Z	0	0	0	•	89	0.7	90	5.5
30	BKR	match the i^{th} CG	\1	0	0	0	0	60	0.4	84	5.1
31	NDEC	any non-decimal	\ D	0	•	•	•	36	0.3	58	3.5
32	BKRN	references PNG	(?P=name)	0	•	0	0	17	0.1	28	1.7
33	VWSP	matches U+000B	\v	0	0	•	•	13	0.1	15	0.9
34	NWNW	negated WNW	\B	0	0	0	•	4	0	11	0.7