

**TABLE 4.** Number of tokens (lexical elements), AST nodes, and lines of code of the queries used to write all the analyses in the different systems.

		Tokens			AST nodes			Lines of Code		
	Analysis	ProgQuery	Semmlle	Wiggle	ProgQuery	Semmlle	Wiggle	ProgQuery	Semmlle	Wiggle
AST+1	DCL56-J	70	93	359	30	49	123	3	4	13
	MET50-J	190	202	453	95	115	181	6	8	17
	MET52-J	173	166	351	74	81	180	5	15	11
	MET55-J	159	154	590	67	77	248	7	11	21
	NUM50-J	221	292	551	104	160	270	5	34	14
	SEC56-J	112	157	589	49	78	253	5	15	34
	<b>Mean (AST+1)</b>	<b>144</b>	<b>167</b>	<b>471</b>	<b>65</b>	<b>87</b>	<b>202</b>	<b>5</b>	<b>12</b>	<b>17</b>
AST+2	MET53-J	139	192	1,415	70	104	661	6	24	41
	OBJ54-J	127	348	1,316	58	177	645	5	31	42
	OBJ56-J	772	783	2,439	395	403	1,265	25	48	54
	<b>Mean (AST+2)</b>	<b>239</b>	<b>374</b>	<b>1,656</b>	<b>117</b>	<b>195</b>	<b>814</b>	<b>9</b>	<b>33</b>	<b>45</b>
AST+3+	DCL53-J	507	878	1,195	253	457	638	15	74	35
	DCL60-J	77	380	1,467	35	201	644	3	43	44
	ERR54-J	691	990	5,528	335	538	2,765	18	110	275
	OBJ50-J	126	1,392	3,061	59	757	1,533	5	142	75
	<b>Mean (AST+3+)</b>	<b>241</b>	<b>823</b>	<b>2,334</b>	<b>115</b>	<b>440</b>	<b>1,149</b>	<b>8</b>	<b>84</b>	<b>75</b>
<b>Mean (total)</b>		<b>190</b>	<b>329</b>	<b>1,030</b>	<b>88</b>	<b>173</b>	<b>476</b>	<b>7</b>	<b>27</b>	<b>34</b>