

LUBM - Minimal Depleting Module Extraction with Strong Inseparability from the Full Ontology

| Sigma | Nr of CNames in TBox | Nr of RNames in TBox | Nr of Axioms in TBox | Nr of Sigma CNames | Nr of Sigma RNames | Nr of Module CNames | Nr of Module RNames | Nr of Module Axioms | Nr of Axioms of Unknown Diff Status | Nr of Query Entailment Calls | CPU Time (s) |
|--------------|-----------------------------|-----------------------------|-----------------------------|---------------------------|---------------------------|----------------------------|----------------------------|----------------------------|--|-------------------------------------|---------------------|
| sig0 | 43 | 31 | 145 | 5 | 5 | 14 | 12 | 39 | 0 | 2211 | 112.1 |
| sig1 | 43 | 31 | 145 | 5 | 5 | 14 | 9 | 37 | 0 | 2505 | 116.2 |
| sig2 | 43 | 31 | 145 | 5 | 5 | 15 | 8 | 34 | 0 | 2139 | 110.56 |
| sig3 | 43 | 31 | 145 | 5 | 5 | 13 | 9 | 32 | 0 | 2278 | 137.12 |
| sig4 | 43 | 31 | 145 | 5 | 5 | 13 | 9 | 38 | 0 | 2632 | 123.51 |
| sig5 | 43 | 31 | 145 | 5 | 5 | 13 | 9 | 31 | 0 | 1843 | 96.84 |
| sig6 | 43 | 31 | 145 | 5 | 5 | 10 | 7 | 27 | 0 | 1973 | 103.14 |
| sig7 | 43 | 31 | 145 | 5 | 5 | 12 | 7 | 31 | 0 | 1921 | 88.33 |
| sig8 | 43 | 31 | 145 | 5 | 5 | 15 | 10 | 37 | 0 | 2164 | 119.38 |
| sig9 | 43 | 31 | 145 | 5 | 5 | 13 | 8 | 34 | 0 | 2320 | 117.95 |

Average: Average: Average:

43 31 145

Min: Min: Min:

43 31 145

Max: Max: Max:

43 31 145

Average: Average: Average: Average:

13.2 8.8 34 0

Min: Min: Min: Min:

10 7 27 0

Max: Max: Max: Max:

15 12 39 0

Average:

2198.6

Min:

1843

Max:

2632

Average:

112.51

Min:

88.33

Max:

137.12