Table 1: The table shows the median of test generation timing.

		PostgreSQL				SQLite				
Schema	RAGTAG	R^{+}	AVM-D	AVM-R	RAGTAG	R^{+}	AVM-D	AVM-R		
ArtistTerm	2.57	***43.90	2.66	***3.13	0.33	***42.53	0.54	*0.89		
BookTown	8.70	***78.73	***11.62	***10.87	2.01	***77.34	***5.45	***4.88		
BrowserCookies	3.16	***68.65	***5.81	***16.77	0.42	***70.85	***3.05	***15.34		
Cloc	1.13	***13.48	1.19	1.26	0.30	***12.58	0.43	0.40		
DellStore	4.16	***143.52	*4.77	***4.92	0.48	***139.02	***1.14	***1.26		
Flights	2.48	***106.58	***5.56	***24.29	0.45	***114.70	***3.73	***23.77		
Inventory	0.68	***5.39	0.78	0.75	0.28	***5.22	0.44	0.35		
iTrust	46.73	*** 4300.60	***55.48	***84.49	4.60	***4257.82	***13.99	***43.28		
JWhoisServer	3.94	***240.70	***4.86	***5.16	0.54	***247.67	***1.54	***1.79		
MozillaExtensions	6.33	***272.98	***7.30	***7.53	0.54	***269.52	***1.55	***1.63		
NistXTS749	1.54	***20.36	1.75	1.76	0.33	***21.01	0.69	0.53		
Products	3.14	***70.05	***7.28	***6.57	1.30	***56.44	***5.85	***5.00		
RiskIt	11.72	***408.31	***12.52	***14.24	0.63	***421.09	***1.95	***3.52		
StudentResidence	1.36	***21.50	1.50	1.71	0.38	***21.30	0.63	0.73		
UnixUsage	10.68	***80.70	***11.50	***12.89	0.52	***81.54	***1.67	***2.66		

Table 2: The table shows the median of coverage.

		Postgre	$_{ m eSQL}$		SQLite				
Schema	RAGTAG	R^{+}	AVM-D	AVM-R	RAGTAG	R^{+}	AVM-D	AVM-R	
ArtistTerm	100.0	***60.0	100.0	100.0	100.0	***62.8	100.0	100.0	
BookTown	99.3	***92.2	99.3	99.3	99.3	***92.3	99.3	99.3	
BrowserCookies	100.0	***55.6	100.0	***98.6	100.0	***56.3	100.0	***98.6	
Cloc	100.0	***92.5	100.0	100.0	100.0	***92.5	100.0	100.0	
DellStore	100.0	***93.2	100.0	100.0	100.0	***93.2	100.0	100.0	
Flights	100.0	***56.8	100.0	***97.0	100.0	***57.3	100.0	***96.8	
Inventory	100.0	***93.8	100.0	100.0	100.0	***94.4	100.0	100.0	
iTrust	100.0	***91.6	100.0	100.0	100.0	***92.0	100.0	100.0	
JWhoisServer	100.0	***86.8	100.0	100.0	100.0	***87.3	100.0	100.0	
MozillaExtensions	100.0	***87.6	100.0	100.0	100.0	***87.8	100.0	100.0	
NistXTS749	100.0	***91.9	100.0	100.0	100.0	***91.4	100.0	100.0	
Products	97.9	***73.4	97.9	97.9	98.1	***79.2	98.1	98.1	
RiskIt	100.0	***68.6	100.0	100.0	100.0	***70.0	100.0	100.0	
StudentResidence	100.0	***60.0	100.0	100.0	100.0	***64.7	100.0	100.0	
UnixUsage	100.0	*** 50.3	100.0	100.0	100.0	***52.4	100.0	100.0	

Table 3: The table shows the median of Mutattion Score.

		PostgreSQL				SQLite				
Schema	RAGTAG	\mathbb{R}^{+}	AVM-D	AVM-R	RAGTAG	R^{+}	AVM-D	AVM-R		
ArtistTerm	100.0	***80.0	100.0	100.0	100.0	***79.0	100.0	100.0		
BookTown	99.5	***90.0	***97.6	*99.5	99.0	***86.5	***85.5	99.0		
BrowserCookies	97.4	***55.1	***92.3	**96.2	96.6	***47.2	***86.5	96.6		
Cloc	100.0	***90.0	100.0	100.0	100.0	***85.0	100.0	100.0		
DellStore	100.0	***89.7	100.0	100.0	100.0	***88.5	100.0	100.0		
Flights	100.0	***38.1	***95.2	***97.6	100.0	***40.2	***84.3	***98.0		
Inventory	100.0	***82.3	***88.2	100.0	100.0	***81.2	***75.0	100.0		
iTrust	99.7	***90.1	***95.8	***99.5	99.2	***87.6	***83.6	99.2		
JWhoisServer	99.4	***88.5	***78.7	99.7	99.5	***88.6	***76.6	99.5		
MozillaExtensions	100.0	***55.8	***82.1	*100.0	99.7	***54.3	***71.3	*99.7		
NistXTS749	95.0	***90.0	95.0	95.0	94.0	***80.0	92.0	*** 96.0		
Products	87.2	***69.2	**87.2	87.2	87.8	***73.5	**87.8	87.8		
RiskIt	100.0	***68.0	***99.5	100.0	99.5	***68.0	***89.3	*** 100.0		
StudentResidence	97.2	***86.1	***94.4	*97.2	94.9	***71.8	***87.2	*97.4		
UnixUsage	100.0	***51.8	100.0	100.0	100.0	***58.9	***98.2	100.0		

Table 4: The table shows the median of Mutattion Score for mutation operattors.

	PostgreSQL				SQLite				
Operator	RAGTAG	R^{+}	AVM-D	AVM-R	RAGTAG	R^{+}	AVM-D	AVM-R	
CInListElementR	100.0	*100.0	100.0	100.0	100.0	*100.0	100.0	100.0	
CR	95.24	***92.86	95.24	95.24	95.24	95.24	95.24	95.24	
CRelOpE	83.33	***80.835	***81.67	83.33	81.67	*83.33	**81.67	*83.33	
FKColumnPairE	100.0	***84.75	100.0	100.0	100.0	***84.62	100.0	100.0	
FKColumnPairR	100.0	***88.46	100.0	100.0	100.0	***88.46	100.0	100.0	
NNA	100.0	***97.12	100.0	100.0	100.0	***97.24	100.0	100.0	
NNR	100.0	***98.18	100.0	100.0	100.0	***98.27	100.0	100.0	
PKColumnA	98.94	***92.57	***78.56	***98.51	96.26	***81.28	***1.87	** 97.06	
PKColumnE	100.0	***94.63	***99.74	100.0	99.49	***86.45	***98.98	99.49	
PKColumnR	100.0	***84.62	100.0	100.0	100.0	***78.95	100.0	100.0	
UColumnA	100.0	***51.49	***89.88	***99.85	100.0	*** 52.455	***89.88	***99.85	
UColumnE	100.0	***23.89	* 100.0	*100.0	100.0	*** 24.775	** 100.0	100.0	
UColumnR	100.0	***33.33	100.0	***91.67	100.0	***33.33	100.0	***91.67	

Table 5: The table shows the mean of test generation timing.

		Postgre	SQL			SQLi	te	
Schema	RAGTAG	R^{+}	AVM-D	AVM-R	RAGTAG	R^{+}	AVM-D	AVM-R
ArtistTerm	2.60	***43.11	2.68	***3.10	0.33	***41.82	0.54	*0.91
BookTown	8.78	***78.04	***11.59	***10.94	2.00	***76.82	***5.44	***4.91
BrowserCookies	3.22	***64.84	***5.85	***17.50	0.42	***66.31	***3.23	***15.70
Cloc	1.15	***12.91	1.19	1.28	0.30	***12.15	0.43	0.41
DellStore	4.19	***141.12	*4.84	***4.96	0.48	***138.42	***1.14	***1.28
Flights	2.48	***154.43	***5.77	***24.84	0.45	***165.01	***3.90	***24.02
Inventory	0.70	***4.40	0.80	0.75	0.28	***4.22	0.44	0.35
iTrust	46.96	*** 4313.25	***55.28	***85.67	4.58	***4207.22	***14.12	***47.11
JWhoisServer	4.03	***241.45	***4.87	***5.15	0.55	***247.99	***1.55	***1.79
MozillaExtensions	6.36	***271.52	***7.34	***7.62	0.55	***265.69	***1.55	***1.65
NistXTS749	1.54	***21.22	1.77	1.81	0.33	***21.80	0.69	0.57
Products	3.14	***72.01	***7.28	***6.61	1.31	***58.45	***5.85	***5.03
RiskIt	11.70	***406.10	***12.53	***14.72	0.63	***424.34	***1.99	***3.48
StudentResidence	1.43	***20.69	1.54	1.72	0.38	***20.25	0.63	0.75
UnixUsage	11.11	***80.30	***11.52	***13.31	0.52	***81.51	***1.67	***2.99

Table 6: The table shows the mean of coverage.

	PostgreSQL				SQLite				
Schema	RAGTAG	R^{+}	AVM-D	AVM-R	RAGTAG	R^{+}	AVM-D	AVM-R	
ArtistTerm	100.0	***59.8	100.0	100.0	100.0	***62.6	100.0	100.0	
BookTown	99.3	***92.3	99.3	99.3	99.3	***92.4	99.3	99.3	
BrowserCookies	100.0	***58.3	100.0	***98.8	100.0	***59.1	100.0	***98.8	
Cloc	100.0	***92.3	100.0	100.0	100.0	***92.3	100.0	100.0	
DellStore	100.0	***93.5	100.0	100.0	100.0	***93.5	100.0	100.0	
Flights	100.0	***58.8	100.0	***97.1	100.0	***58.2	100.0	***96.9	
Inventory	100.0	***95.8	100.0	100.0	100.0	***96.3	100.0	100.0	
iTrust	100.0	***91.5	100.0	100.0	100.0	***92.0	100.0	100.0	
JWhoisServer	100.0	***86.5	100.0	100.0	100.0	***87.0	100.0	100.0	
MozillaExtensions	100.0	***87.8	100.0	100.0	100.0	***88.0	100.0	100.0	
NistXTS749	100.0	***85.6	100.0	100.0	100.0	***86.3	100.0	100.0	
Products	97.9	***69.9	97.9	97.9	98.1	***79.0	98.1	98.1	
RiskIt	100.0	***68.5	100.0	100.0	100.0	***70.1	100.0	100.0	
StudentResidence	100.0	***70.1	100.0	100.0	100.0	***73.7	100.0	100.0	
UnixUsage	100.0	***50.1	100.0	100.0	100.0	***52.1	100.0	100.0	

Table 7: The table shows the mean of Mutattion Score.

		PostgreSQL				SQLite				
Schema	RAGTAG	\mathbb{R}^{+}	AVM-D	AVM-R	RAGTAG	\mathbb{R}^{+}	AVM-D	AVM-R		
ArtistTerm	100.0	***80.3	100.0	100.0	100.0	***79.3	100.0	100.0		
BookTown	99.5	***89.9	***97.6	*99.4	99.1	***86.9	***85.5	99.0		
BrowserCookies	96.3	***55.8	***92.3	**95.6	95.9	***47.9	***86.5	96.1		
Cloc	100.0	***89.8	100.0	100.0	100.0	***84.7	100.0	100.0		
DellStore	100.0	***90.1	100.0	100.0	100.0	***88.9	100.0	100.0		
Flights	99.8	***46.3	***95.2	***97.9	100.0	***48.6	***84.3	***98.2		
Inventory	100.0	***88.2	***88.2	100.0	100.0	***87.5	***75.0	100.0		
iTrust	99.7	***90.1	***95.8	***99.6	99.2	***87.4	***83.6	99.2		
JWhoisServer	99.6	***88.3	***78.7	99.6	99.6	***88.7	***76.6	99.5		
MozillaExtensions	99.8	***61.5	***82.1	*99.6	99.7	***60.7	***71.3	*99.5		
NistXTS749	95.0	***86.7	95.0	95.0	91.7	***79.2	92.0	*** 96.0		
Products	87.2	***60.5	**86.5	87.1	87.8	***74.8	**87.1	87.7		
RiskIt	100.0	***68.3	***99.5	100.0	99.5	***67.9	***89.3	*** 99.9		
StudentResidence	97.2	***87.7	***94.4	*96.5	95.7	***77.7	***87.2	*96.6		
UnixUsage	100.0	*** 51.4	100.0	100.0	100.0	***59.1	***98.2	100.0		

Table 8: The table shows the mean of Mutattion Score for mutation operattors.

	PostgreSQL					SQLite				
Operator	RAGTAG	R^{+}	AVM-D	AVM-R	RAGTAG	R^{+}	AVM-D	AVM-R		
CInListElementR	100.0	*99.916	100.0	100.0	100.0	*99.892	100.0	100.0		
CR	95.24	***92.86	95.24	95.24	95.24	95.24	95.24	95.24		
CRelOpE	82.832	***79.66667	***81.67	82.66533	82.33333	*82.721	**81.67	*82.55433		
FKColumnPairE	100.0	***84.18267	100.0	100.0	100.0	***86.21167	100.0	100.0		
FKColumnPairR	100.0	***88.332	100.0	100.0	100.0	***88.46	100.0	100.0		
NNA	100.0	***97.04467	100.0	100.0	100.0	***97.284	100.0	100.0		
NNR	100.0	***98.44433	100.0	100.0	100.0	***98.28433	100.0	100.0		
PKColumnA	98.938	***92.64633	***78.48667	***98.56333	96.354	***81.31033	***1.78	** 96.83667		
PKColumnE	99.95733	***94.73167	***99.73167	99.99133	99.41067	***86.48833	***98.98	99.52167		
PKColumnR	100.0	***84.00133	100.0	100.0	100.0	*** 78.59667	100.0	100.0		
UColumnA	99.925	*** 52.75233	***89.88	***99.735	99.905	***53.398	***89.88	***99.75		
UColumnE	99.46967	***31.592	* 100.0	*99.05667	99.41133	***32.18167	** 100.0	99.204		
UColumnR	100.0	***31.94433	100.0	***93.05767	100.0	***31.66667	100.0	***92.78		