Table 4: Detection performance of Gitor with local call and variables methods.

Cosine = 0.50		Local Call: lmet vref mdn				Variables Methods: vref vdec lmet			
T1-Recall	G : 0.50	1.0	0.0	0.4	100	1.0			100
T-2 Recall									
MT-3 Recall   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.991   0.981   0.881   0.887   0.887   0.887   0.886   0.686   0.686   0.689   0.681   0.687   0.686   0.689   0.681   0.687   0.686   0.689   0.681   0.687   0.686   0.689   0.681   0.687   0.686   0.689   0.681   0.687   0.686   0.689   0.681   0.687   0.686   0.689   0.681   0.687   0.687   0.686   0.689   0.681   0.687   0.797   0.766   0.797   0.796   0.797   0.796   0.797   0.796   0.797   0.796   0.797   0.798   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999		l				l			
MT-3 Recall   0.996   0.996   0.995   0.987   0.988   0.991   0.989   1.75		!		1		!			
Type-I Recall   0,937   0,932   0,943   0,940   0,891   0,902   0,932   0,919   Pecision   0,665   0,665   0,665   0,666   0,668   0,688   0,681   0,687   F1   0,781   0,780   0,780   0,780   0,790   0,794   0,796   0,797   0,707   0,706   0,797   0,796   0,797   0,796   0,797   0,796   0,797   0,796   0,797   0,797   0,796   0,797   0,797   0,797   0,797   0,997   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,999   0,99	ST-3 Recall	0.999	0.999	0.999	0.999	0.999	0.999	0.999	0.999
Precision   0.667		1				I			
F1	l	!				!			
T-1 Recall	1	!				l			
T-1   Recall									
T-2   Recall   1									
ST-3 Recall   0.999   0.999   0.999   0.998   0.998   0.999   0.999   0.997   0.976   0.982   0.993   0.992   0.972   0.976   0.982   0.993   0.992   0.972   0.976   0.982   0.978   0.988   0.884   Precision   0.669   0.671   0.668   0.668   0.673   0.703   0.707   0.696   0.704   0.776   0.777   0.776   0.777   0.777   0.777   0.777   0.777   0.777   0.777   0.777   0.777   0.777   0.777   0.777   0.777   0.777   0.777   0.777   0.777   0.778   0.777   0.784   0.777   0.784   0.777   0.784   0.777   0.784   0.777   0.784   0.777   0.784   0.777   0.784   0.787   0.784   0.984   0.984   0.998   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.999   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.		l				l			
Type-4 Recall   0.993   0.992   0.993   0.992   0.972   0.976   0.982   0.978		1				l			
Type-  Recall   0.882   0.873   0.888   0.884   0.824   0.837   0.886   0.703   0.707   0.696   0.704     F1		0.999	0.999	0.999	0.999	0.998	0.998	0.999	0.999
Precision   0.669   0.671   0.668   0.668   0.703   0.707   0.696   0.704     F1		!				!			
F1		!				1			
Cosine = 0.70		l				l			
T-1 Recall									
T-2 Recall   1									
New York   New York		1							
MT-3 Recall   0.985   0.983   0.985   0.984   0.944   0.949   0.962   0.987	VST-3 Recall	l		0.999		l			
Type-4 Recall   0.788   0.776   0.796   0.792   0.706   0.714   0.800   0.757     Precision   0.692   0.694   0.690   0.691   0.726   0.733   0.718   0.730     F1		!				!			
Precision   0.692   0.694   0.690   0.691   0.726   0.733   0.718   0.780						l			
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	V 1	!				1			
Cosine = 0.80		!							
T-1 Recall									
T-2 Recall									
ST-3 Recall   0.990   0.990   0.990   0.995   0.985   0.987   0.992   0.998   MT-3 Recall   0.947   0.944   0.867   0.867   0.872   0.906   0.892   Type-4 Recall   0.631   0.613   0.642   0.637   0.529   0.777   0.760   0.773   F1   0.746   0.741   0.747   0.746   0.723   0.726   0.756   0.740   0.730   0.726   0.727   0.767   0.777   0.760   0.773   F1   0.746   0.741   0.747   0.746   0.723   0.726   0.756   0.740   0.740   0.746   0.723   0.726   0.756   0.740   0.740   0.746   0.723   0.726   0.756   0.740   0.740   0.746   0.723   0.726   0.756   0.740   0.740   0.746   0.723   0.726   0.756   0.740   0.740   0.746   0.723   0.726   0.756   0.740   0.740   0.746   0.723   0.726   0.756   0.740   0.740   0.740   0.924   0.924   0.927   0.936   0.932   0.728   0.728   0.999   0.998   0.999   0.998   0.998   0.998   0.998   0.998   0.998   0.998   0.998   0.998   0.998   0.998   0.998   0.998   0.998   0.998   0.998   0.998   0.998   0.998   0.998   0.993   0.932   0.726   0.746   0.804   0.740   0.804   0.927   0.936   0.932   0.932   0.346   0.363   0.353   0.262   0.246   0.329   0.275   0.756   0.364   0.363   0.353   0.262   0.246   0.329   0.275   0.756   0.659   0.651   0.664   0.659   0.600   0.595   0.641   0.613   0.659   0.651   0.664   0.659   0.600   0.595   0.641   0.613   0.659   0.651   0.664   0.659   0.600   0.595   0.641   0.613   0.659   0.651   0.664   0.659   0.600   0.595   0.641   0.613   0.757   0.758   0.958   0.997   0.997   0.997   0.996   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997   0.997		l				l			
MT-3 Recall	VST-3 Recall	0.999	0.998	0.998	0.998	0.999	0.998	0.998	0.998
Type-4 Recall   0.631   0.613   0.642   0.637   0.529   0.523   0.627   0.563     Precision   0.728   0.730   0.726   0.727   0.767   0.777   0.760   0.773     F1									
Precision         0.728         0.730         0.726         0.727         0.767         0.777         0.760         0.773           F1         0.746         0.741         0.747         0.746         0.723         0.726         0.756         0.740           Cosine = 0.90         16         32         64         128         16         32         64         128           T-1 Recall         1         1         1         0.999         1         1         1         0.999           T-2 Recall         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         0.999         0.998         0.998         0.998         0.998         0.998         0.998         0.998         0.998         0.998         0.998         0.998         0.998         0.998         0.992         0.662         0.775         0.792         0.723         0.762         0.723         0.722         0.725         0.832		!				!			
F1	l v -	!				!			
Cosine = 0.90		!				1			
T-1 Recall									
T-2 Recall									
ST-3 Recall         0.970         0.969         0.971         0.970         0.924         0.927         0.936         0.932           MT-3 Recall         0.808         0.791         0.815         0.812         0.644         0.640         0.692         0.662           Type-4 Recall         0.352         0.336         0.363         0.353         0.262         0.246         0.329         0.275           Precision         0.796         0.797         0.792         0.792         0.823         0.837         0.825         0.837           F1         0.659         0.651         0.664         0.659         0.600         0.555         0.641         0.613           Cosine = 0.93         16         32         64         128         16         32         64         128           T-1 Recall         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1 <td></td> <td></td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td>1</td> <td></td>			1	1	1	1	1	1	
MT-3 Recall         0.808         0.791         0.815         0.812         0.644         0.640         0.692         0.662           Type-4 Recall         0.352         0.336         0.363         0.353         0.262         0.246         0.329         0.275           Precision         0.796         0.797         0.792         0.792         0.823         0.837         0.825         0.837           F1         0.659         0.651         0.664         0.659         0.600         0.595         0.641         0.613           Cosine = 0.93         16         32         64         128         16         32         64         128           T-1 Recall         1         1         0.999         0.999         1         1         1         0.999           T-2 Recall         0.998         0.997         0.997         0.997         0.997         0.997         0.997         0.997         0.997         0.997         0.997         0.997         0.997         0.997         0.997         0.997         0.997         0.997         0.997         0.997         0.997         0.997         0.997         0.997         0.997         0.997         0.997         0.999         0.997 <td></td> <td></td> <td>0.998</td> <td>0.998</td> <td>0.998</td> <td>0.999</td> <td>0.998</td> <td>0.998</td> <td>0.998</td>			0.998	0.998	0.998	0.999	0.998	0.998	0.998
Type-4 Recall         0.352         0.336         0.363         0.353         0.262         0.246         0.329         0.275           Precision         0.796         0.797         0.792         0.792         0.823         0.837         0.825         0.837           F1         0.659         0.661         0.664         0.659         0.600         0.595         0.641         1.0613           Cosine = 0.93         16         32         64         128         16         32         64         128           T-1 Recall         1         1         0.999         0.997         1         1         1         0.999           T-2 Recall         0.998         0.997         0.997         0.997         0.997         0.996         0.997         0.997           ST-3 Recall         0.957         0.955         0.958         0.956         0.891         0.891         0.997         0.992           MT-3 Recall         0.698         0.681         0.709         0.703         0.522         0.516         0.574         0.539           Type-4 Recall         0.239         0.231         0.248         0.244         0.169         0.154         0.213         0.173		!				1			
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T-1 Recall         1         1         0.999         0.999         1         1         1         0.999           T-2 Recall         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>									
VST-3 Recall         0.998         0.997         0.997         0.997         0.996         0.997         0.997           ST-3 Recall         0.957         0.955         0.958         0.956         0.891         0.891         0.907         0.902           MT-3 Recall         0.698         0.681         0.709         0.703         0.522         0.516         0.574         0.539           Type-4 Recall         0.239         0.231         0.248         0.244         0.169         0.154         0.213         0.173           Precision         0.835         0.838         0.831         0.832         0.863         0.878         0.865         0.878           F1         0.602         0.595         0.607         0.605         0.535         0.528         0.571         0.545           Cosine = 0.96         16         32         64         128         16         32         64         128           T-1 Recall         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>									
ST-3 Recall         0.957         0.955         0.958         0.956         0.891         0.891         0.907         0.902           MT-3 Recall         0.698         0.681         0.709         0.703         0.522         0.516         0.574         0.539           Type-4 Recall         0.239         0.231         0.248         0.244         0.169         0.154         0.213         0.173           Precision         0.835         0.838         0.831         0.832         0.863         0.878         0.865         0.878           F1         0.602         0.595         0.607         0.605         0.535         0.528         0.571         0.545           Cosine = 0.96         16         32         64         128         16         32         64         128           T-1 Recall         1         1         0.999         0.999         1         1         0.999         0.999           T-2 Recall         0.993         0.993         0.993         0.992         0.988         0.988         0.991         0.990           ST-3 Recall         0.911         0.909         0.911         0.910         0.822         0.825         0.849         0.833	T-2 Recall	1		1	1	1			1
MT-3 Recall         0.698         0.681         0.709         0.703         0.522         0.516         0.574         0.539           Type-4 Recall         0.239         0.231         0.248         0.244         0.169         0.154         0.213         0.173           Precision         0.835         0.838         0.831         0.832         0.863         0.878         0.865         0.878           F1         0.602         0.595         0.607         0.605         0.535         0.528         0.571         0.545           Cosine = 0.96         16         32         64         128         16         32         64         128           T-1 Recall         1         1         0.999         0.999         1         1         0.999         0.999         0.999         0.999         0.999         0.999         0.999         0.999         0.999         0.999         0.999         0.999         0.999         0.999         0.999         0.999         0.999         0.999         0.999         0.999         0.999         0.999         0.999         0.999         0.999         0.999         0.999         0.999         0.999         0.999         0.999         0.999         0.999<		!				l			
Type-4 Recall         0.239         0.231         0.248         0.244         0.169         0.154         0.213         0.173           Precision         0.835         0.838         0.831         0.832         0.863         0.878         0.865         0.878           F1         0.602         0.595         0.607         0.605         0.535         0.528         0.571         0.545           Cosine = 0.96         16         32         64         128         16         32         64         128           T-1 Recall         1         1         0.999         0.999         1         1         0.999         0.999           T-2 Recall         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1		l				1			
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VST-3 Recall         0.953         0.952         0.953         0.952         0.953         0.952         0.953         0.952         0.953         0.955         0.962         0.956           ST-3 Recall         0.668         0.666         0.671         0.670         0.660         0.651         0.678         0.658           MT-3 Recall         0.272         0.269         0.278         0.273         0.174         0.146         0.169         0.149           Type-4 Recall         0.033         0.031         0.034         0.033         0.015         0.012         0.016         0.012           Precision <b>0.934 0.934 0.933 0.975 0.978 0.972 0.975</b>	T-1 Recall	l				1			
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