























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	geom_arrow	arrow	 figure/geom_arrow.pdf
	geom_arch	arches	 figure/geom_arch.pdf
	geom_bar	bar	 figure/geom_bar.pdf
	geom_alignment	gene structure	 figure/geom_alignment.pdf
<b>stat</b>	stat_aggregate	aggregation in sliding window	 figure/stat_aggregate.pdf
	stat_coverage	coverage for reads	 figure/stat_coverage_icon.pdf
	stat_gene	gene structure	 figure/stat_gene.pdf
	stat_identity	identity mode	 figure/stat_identity.pdf
	stat_mismatch	mismatch summary for variants	 figure/stat_mismatch.pdf
	stat_stepping	stepping levels	 figure/stat_stepping.pdf
	stat_table	tabulate ranges	 figure/stat_table.pdf
<b>coord</b>	linear	default linear but facet by chromosomes space	 figure/coord_linear.pdf
	genome	put everything on genome coordinate	 figure/coord_genome.pdf
	truncate_gaps	compact view by cutting gaps	 figure/coord_truncate_gaps.pdf
<b>layout</b>	default	normal layout	 figure/coord_linear.pdf
	karyogram	karyogram layout	 figure/layout_karyogram.pdf
	circle	circular layout	 figure/layout_circle.pdf
<b>faceting</b>	formula	formula based faceting	 figure/facet.pdf
	ranges	ranges based faceting	 figure/facet_gr.pdf
<b>scale</b>	not extended	<i>ggplot2</i> default	

Table 1: Components of the basic grammar of graphics, with the extensions available in *ggbio*.

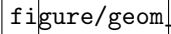
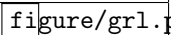
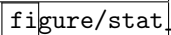
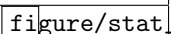
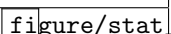
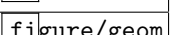
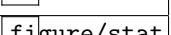

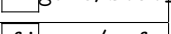
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GRangesList	Genomic interval list	 figure/grl.pdf
IRanges	intervals	 figure/stat_stepping.pdf
Gapped Alignments	gapped alignments	 figure/stat_stepping.pdf
BamFile	alignemnts files	 figure/stat_coverage_icon.pdf
character	for flat files	 figure/geom_bar.pdf
Rle/RleList	atomic vector	 figure/stat_stepping.pdf
TranscriptDb	gene structure	 figure/stat_gene.pdf
VCF	Variant calling format	 figure/vcf.pdf

Table 2: Formal data model and their default graphics