

Comp	name	usage	icon
geom	geom_rect	rectangle	
	geom_segment	segment	
	geom_chevron	chevron	
	geom_arrow	arrow	
	geom_arch	arches	
	geom_bar	bar	
	geom_alignment	gene structure	
stat	stat_aggregate	aggregation in sliding window	
	stat_coverage	coverage for reads	
	stat_gene	gene structure	
	stat_identity	identity mode	
	stat_mismatch	mismatch summary for variants	
	stat_stepping	stepping levels	
	stat_table	tabulate ranges	
coord	linear	default linear but facet by chromosomes space	
	genome	put everything on genome coordinate	
	truncate_gaps	compact view by cutting gaps	
layout	default	normal layout	
	karyogram	karyogram layout	
	circle	circular layout	
faceting	formula	formula based faceting	
	ranges	ranges based faceting	
scale	not extended	<i>ggplot2</i> default	

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

object	usage	icon
GRanges	Genomic intervals	
GRangesList	Genomic interval list	
IRanges	intervals	
Gapped Alignments	gapped alignments	
BamFile	alignemnts files	
character	for flat files	
Rle/RleList	atomic vector	
TranscriptDb	gene structure	
VCF		A C T G

Table 2: Formal data model and their default graphics