SUPPLEMENTARY INFORMATION

Supplementary Table 1. Function modules in NG-Circos.

Module	In BioCircos.js	Function	Demo
WIG	No	Designed for WIG data format	Bula
GENE	No	Designed for GTF data format	
LOLLIPO P	No	Draws Lollipop plot	EGFR

CHORD	No	Draws chord plot	CD4 ⁺ T _{EM} cells (225) CD4 ⁺ T _{EM} cells (31)
BUBBLE	No	Draws bubble plot	
REDIREC T	No	Adds redirection function to graphic elements	The same at a story of the stor
DOWNLO AD	No	Downloads PNG and SVG images	Click and download here

AUXILIA RYLINE	No	Adds auxiliary lines (curve, straight, broken, dash, solid line) and markers (circle, square, arrow, stub marker)	
LEGEND	No	Adds figure legends	C.CK C.NPK GC.CK GC.NPK Alphaproteobacteria Betaproteobacteria Betaproteobacteria Deltaproteobacteria Acidobacteria Acidobacteria Actinobacteria Bacteroidetes Chloroflexi Firmicutes Gemmatimonadetes Planctomycetes Thaumarchaeota Verrucomicrobia Ascomycota Basidiomycota Zygomycota
COMPAR E	No	Compares other modules in two conditions	Promoter PVTI PORE PORE PORE PORE PORE PORE PORE PORE
COMBIN ATION	No	Combines other modules	LD (rs2981579)

HEATMA P	Yes	Draws heatmap	A C T N C C C C C C C C C C C C C C C C C
LINE	Yes	Draws line plot	
SCATTER	Yes	Draws scatter plot	

HISTOGR AM	Yes	Draws histogram	
CNV	Yes	Displays CNV data	
SNP	Yes	Displays SNP data	233754302 - CURD

ARC	Yes	Draws arcs	
LINK	Yes	Draws links	STATION OF
TEXT	Yes	Adds annotation text	You can add TEXT module at any place!

BACKGR OUND	Yes	Adds background and axis circles for other modules	
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Supplementary Table 2. Mouse events and corresponding trigger conditions in NG-Circos.

Mouse event	Trigger conditions
MouseClick	Click on the graphic element.
MouseDown	Depress the mouse button on the graphic element.
MouseUp	Release the mouse button on the graphic element.
MouseEnter	Move mouse into the graphic element.
MouseLeave	Move mouse out the graphic element.
MouseMove	Move mouse over the graphic element.
MouseOut	Move mouse out of the selected graphic element and its child elements.
MouseOver	Move mouse into the graphic element and its child elements.
Zoom	(1) Zoom in and out using the mouse wheel; (2) double click.
Drag	Depress the mouse button on the graphic element and drag.