<u>Materials Design Analysis Reporting (MDAR)</u> Checklist for Authors

The MDAR framework establishes a minimum set of requirements in transparent reporting applicable to studies in the life sciences (see Statement of Task: doi:10.31222/osf.io/9sm4x.). The MDAR checklist is a tool for authors, editors, and others seeking to adopt the MDAR framework for transparent reporting in manuscripts and other outputs. Please refer to the MDAR Elaboration Document for additional context for the MDAR framework.

For all that apply, please note where in the manuscript the required information is provided.

Materials:

Novely averaged magneticals	indicate whom provided process of location (located)	- 1-
Newly created materials The manuscript includes a dedicated "materials	indicate where provided: page no/section/legend)	n/a
availability statement" providing transparent		
disclosure about availability of newly created		n/2
· · · · · · · · · · · · · · · · · · ·		n/a
materials including details on how materials can be		
accessed and describing any restrictions on access.		
Antibodies	indicate where provided: page no/section/legend)	n/a
For commercial reagents, provide supplier name,	Information and by found in Nastanial and Nastania	
catalogue number and RRID, if available.	Information can be found in Material and Methods Section, under "Western blotting (WB) and antibodies"	
DNA and RNA sequences	indicate where provided: page no/section/legend)	n/a
Short novel DNA or RNA including primers, probes:	Information can be found in Material and Methods	, a
Sequences should be included or deposited in a	Section, under "Stable knockdown of STAMBPL1 and	
public repository.	GRHL3", "RNA interference", "Real-time polymerase	
pasite repository.	chain reaction (RT–qPCR)", "Chromatin	
	immunoprecipitation assays", "Dual-luciferase reporter	
	assays"	
		.
Cell materials	indicate where provided: page no/section/legend	n/a
Cell lines: Provide species information, strain.		
Provide accession number in repository OR supplier	Information can be found in Material and Methods	
name, catalog number, clone number, OR RRID.	Section, under "Cell lines and reagents"	
Primary cultures: Provide species, strain, sex of	Information can be found in Material and Methods	<u> </u>
origin, genetic modification status.	Section, under "Cell lines and reagents"	n/a
Experimental animals	indicate where provided: page no/section/legend)	n/a
Laboratory animals or Model organisms: Provide		
species, strain, sex, age, genetic modification status.	Information can be found in Material and Methods	
Provide accession number in repository OR supplier	Section, under "Xenograft experiments"	
name, catalog number, clone number, OR RRID.	Section, under Achografic experiments	
Animal observed in or captured from the field:		+
Provide species, sex, and age where possible.	Information can be found in Material and Methods	
	Section, under "Xenograft experiments"	
Plants and microbes	indicate where provided: page no/section/legend)	n/a
Plants: provide species and strain, ecotype and	muicate where provided, page no/section/legend)	n/a
cultivar where relevant, unique accession number if		
available, and source (including location for collected		n/a
wild specimens).		11/4
•		
Microbes: provide species and strain, unique		,
accession number if available, and source.		n/a
	Ladina and the same of the sam	
Human research participants	indicate where provided: page no/section/legend) or state if these demographics were not collected	n/a
If collected and within the bounds of privacy		
constraints report on age, sex and gender or		n/a
ethnicity for all study participants.		

Design:

Study protocol	indicate where provided: page no/section/legend)	n/a
If study protocol has been pre-registered, provide DOI. For clinical trials, provide the trial registration		
number OR cite DOI.		n/a

Laboratory protocol	indicate where provided: page no/section/legend)	n/a
Provide DOI OR other citation details if detailed step-		
by-step protocols are available.		n/a
		II/a

Experimental study design (statistics details)		
For in vivo studies: State whether and how the	indicate where provided: page no/section/legend. If	n/a
following have been done	it could have been done, but was not, write not done	11/4
Sample size determination		n/a
Randomisation		n/a
Blinding		n/a
Inclusion/exclusion criteria		n/a

Sample definition and in-laboratory replication	indicate where provided: page no/section/legend	n/a
State number of times the experiment was replicated in laboratory.	Information can be found in Material and Methods Section, under "Statistical analysis"	
Define whether data describe technical or biological replicates.	Information can be found in Material and Methods Section, under "Statistical analysis"	

Ethics	indicate where provided: page no/section/legend	n/a
Studies involving human participants: State details of authority granting ethics approval (IRB or equivalent committee(s), provide reference number for approval.		n/a
Studies involving experimental animals: State details of authority granting ethics approval (IRB or equivalent committee(s), provide reference number for approval.	Information can be found in Material and Methods Section, under "Xenograft experiments"	
Studies involving specimen and field samples: State if relevant permits obtained, provide details of authority approving study; if none were required, explain why.		n/a

Dual Use Research of Concern (DURC)	indicate where provided: page no/section/legend	n/a
If study is subject to dual use research of concern		
regulations, state the authority granting approval		n/a
and reference number for the regulatory approval.		

Analysis:

Attrition	indicate where provided: page no/section/legend	n/a
Describe whether exclusion criteria were preestablished. Report if sample or data points were		
omitted from analysis. If yes report if this was due to attrition or intentional exclusion and provide	Information can be found within Figure Legends	
justification.		

Statistics	indicate where provided: page no/section/legend	n/a
Describe statistical tests used and justify choice of		
tests.	Information can be found within Figure Legends	

Data availability	indicate where provided: page no/section/legend	n/a
For newly created and reused datasets, the manuscript includes a data availability statement that provides details for access or notes restrictions on access.	Information can be found within Materials and Methods under "RNA-Seq Analysis ", and Figure 4-source data 3.	
If newly created datasets are publicly available, provide accession number in repository OR DOI OR URL and licensing details where available.		n/a
If reused data is publicly available provide accession number in repository OR DOI OR URL, OR citation.		n/a

Code availability	indicate where provided: page no/section/legend	n/a
For all newly generated custom computer code/software/mathematical algorithm or re-used code essential for replicating the main findings of the study, the manuscript includes a data availability statement that provides details for access or notes restrictions.		n/a
If newly generated code is publicly available, provide accession number in repository, OR DOI OR URL and licensing details where available. State any restrictions on code availability or accessibility.		n/a
If reused code is publicly available provide accession number in repository OR DOI OR URL, OR citation.		n/a

Reporting

MDAR framework recommends adoption of discipline-specific guidelines, established and endorsed through community initiatives. Journals have their own policy about requiring specific guidelines and recommendations to complement MDAR.

Adherence to community standards	indicate where provided: page no/section/legend	n/a
State if relevant guidelines (e.g., ICMJE, MIBBI,		
ARRIVE) have been followed, and whether a checklist		n/a
(e.g., CONSORT, PRISMA, ARRIVE) is provided with		11/4
the manuscript.		