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Corresponding author(s):	Jiayang Li
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Reporting Summary

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Statistics				
1	ses, confirm that the following items are present in the figure legend, table legend, main text, or Methods section.			
n/a Confirmed				
	The exact sample size (n) for each experimental group/condition, given as a discrete number and unit of measurement			
A statement of	A statement on whether measurements were taken from distinct samples or whether the same sample was measured repeatedly			
The statistical test(s) used AND whether they are one- or two-sided Only common tests should be described solely by name; describe more complex techniques in the Methods section.				
A description of all covariates tested				
A description of any assumptions or corrections, such as tests of normality and adjustment for multiple comparisons				
A full description of the statistical parameters including central tendency (e.g. means) or other basic estimates (e.g. regression coefficient) AND variation (e.g. standard deviation) or associated estimates of uncertainty (e.g. confidence intervals)				
For null hypothesis testing, the test statistic (e.g. <i>F</i> , <i>t</i> , <i>r</i>) with confidence intervals, effect sizes, degrees of freedom and <i>P</i> value noted Give <i>P</i> values as exact values whenever suitable.				
For Bayesian analysis, information on the choice of priors and Markov chain Monte Carlo settings				
For hierarchical and complex designs, identification of the appropriate level for tests and full reporting of outcomes				
\square Estimates of effect sizes (e.g. Cohen's d , Pearson's r), indicating how they were calculated				
ı	Our web collection on <u>statistics for biologists</u> contains articles on many of the points above.			
Software and o	code			
Policy information abo	ut <u>availability of computer code</u>			
Data collection	Not applicable.			
Data analysis	Not applicable.			
For manuscripts utilizing cust	om algorithms or software that are central to the research but not yet described in published literature, software must be made available to editors/reviewers. deposition in a community repository (e.g. GitHub). See the Nature Research guidelines for submitting code & software for further information.			
Data				
- Accession codes, un - A list of figures that	ut <u>availability of data</u> include a <u>data availability statement</u> . This statement should provide the following information, where applicable: ique identifiers, or web links for publicly available datasets have associated raw data restrictions on data availability			
Not applicable.				
Field-speci	ific reporting			
Please select the one b	pelow that is the best fit for your research. If you are not sure, read the appropriate sections before making your selection.			
☑ Life sciences ☐ Behavioural & social sciences ☐ Ecological, evolutionary & environmental sciences				
For a reference copy of the d	ocument with all sections, see <u>nature.com/documents/nr-reporting-summary-flat.pdf</u>			

Life sciences study design

	,		
All studies must dis	sclose on these points even w	hen the disclosure is negative.	
Sample size	Two major statistical methods were applied in our experimental analysis, namely Student's t-test and one way ANOVA followed by Tukey HSD test, and our sample size satisfy the demand of corresponding statistical methods and detailed sample size can be found in the figure legend and method section.		
Data exclusions	No data are excluded.		
Replication	All attempts at replication are sccessful.		
Randomization	Not applicable.		
Blinding	Not applicable.		
Reportin	g for specific	materials, systems and methods	
'		es of materials, experimental systems and methods used in many studies. Here, indicate whether each material, u are not sure if a list item applies to your research, read the appropriate section before selecting a response.	
Materials & ex	perimental systems	Methods	
n/a Involved in the study		n/a Involved in the study	
Antibodies	;	ChIP-seq	
Eukaryotic	cell lines	Flow cytometry	
Palaeontol	ogy	MRI-based neuroimaging	
Animals ar	nd other organisms	1	
Human res	search participants		
Clinical dat	ta		
ı			
Antibodies			
Antibodies used	Anti-GFP was boug Anti-FLAG and ant Anti-MBP was bou Anti-RPN6 was bou	R1 and anti-MOC1 were made by immunizing rabbits by ourselves. ght from Roch (Cat #11814460001). i-His was bought from Abmart (FLAG, Cat #M2008; His, Cat #M20020). ght from NEW ENGLAND BioLabs (Cat #E8032). ught from Enzo Life Sciences (Cat #BML-PW8370). bught from LifeSpan BioSciences (Cat #LS-178777).	
Validation		estern blots of MOC1 in the moc1 mutant and its wild-type H89025, and the result showed that the MOC1 in the mutant. We performed Western blots using anti-SLR1 and anti-GEP in the wild type, and SLR1-FLAG and	

SLR1-GFP protein extracts from rice protoplast. The result showed that anti-SLR1 could detect the SLR1-GFP protein.