

# 生物策略表

類別	生物策略 (Strategy)
生物策略 STRATEGY	保護舌頭免受刺傷 (Tongue protected from thorns)
生物系統 LIVING SYSTEM	長頸鹿 <i>Giraffa camelopardalis</i> (Giraffe)
功能類別 FUNCTIONS	#應付機械磨損 #改變材料特性 #Manage mechanical wear #Modify material characteristics
作用機制標題	長頸鹿和其他有蹄類動物取食有刺植物時，其皮革狀的舌頭和嘴能起保護作用 (The tongues and mouths of giraffes and other ungulates are protected when eating thorny plants because they are leathery)
生物系統/作用機制 示意圖	
作用機制摘要說明 (SUMMARY OF FUNCTIONING MECHANISMS)	
文獻引用 (REFERENCES)	
<p>「然而長頸鹿、駱駝和山羊發展出又長又具有機動性及靈活性的舌頭，以至於可以挑選並抓住他們想要的特定枝條，他們嘴巴的內層似乎非常革質，可以在非常接近刺的地方仍然沒有受到任何損傷。」 (Attenborough 1995: 61)</p> <p>“Yet giraffe and camels and goats have developed tongues that are so long, mobile and dexterous that they can select and grasp any particular shoot that they want, and the linings to their mouths seem to be so leathery that they can close around the thorns without damage of any kind.” (Attenborough 1995: 61)</p>	
參考文獻清單與連結 (REFERENCE LIST)	
Attenborough, D. (1995). <i>The private life of plants</i> . United States: Princeton University Press.	
延伸閱讀: Harvard 或 APA 格式	
生物系統延伸資訊連結 (LEARN MORE ABOUT THE LIVING SYSTEM/S)	
<a href="https://en.wikipedia.org/wiki/Northern_giraffe">https://en.wikipedia.org/wiki/Northern_giraffe</a>	
撰寫/翻譯/編修者與日期	

許珮琳翻譯 (2020/04/11)；譚國銜編修 (2020/06/01)；許秋容編修 (2020/06/18)

**AskNature 原文連結**

<https://asknature.org/strategy/tongue-protected-from-thorns/>