

# Mallaliya gammi7on lammetishe yidda nu dunna gidдон de7iy bakiteriya tarrikke

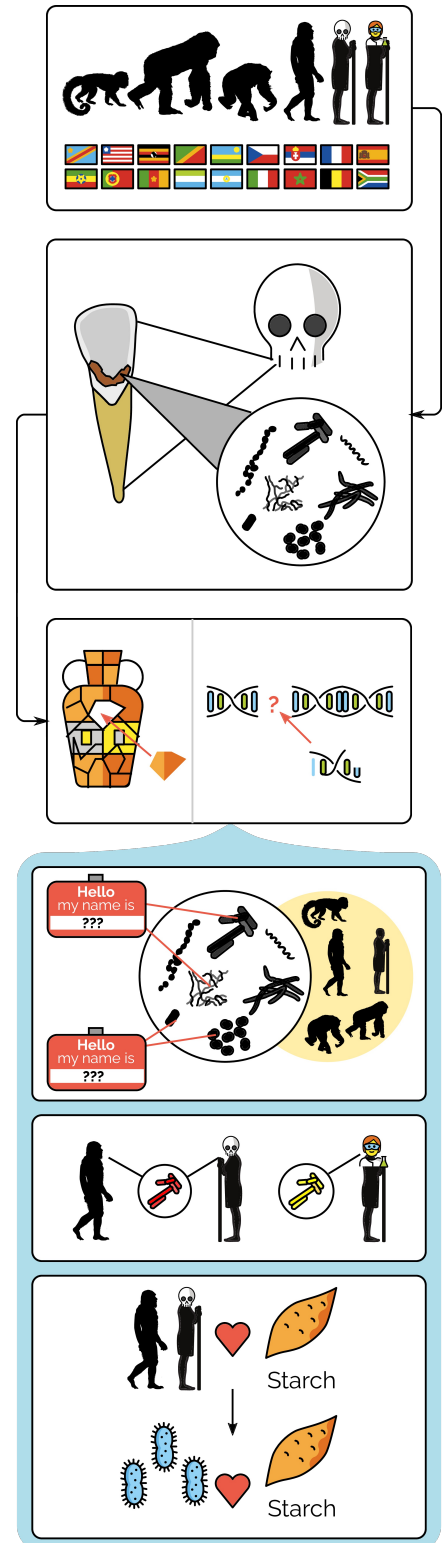
Nu bolla gidдонinne bolla kare  
kiffilletan trrillionne faayiddon  
qoddetanaw danidda7iya shemppora  
de7iya ayiffen bettannaw  
danidda7ettonna microbial selletti  
sha77u faayiddo giddiya bakiteria  
kochati woyikko zereetatti nu  
microbiome geetetti xeesettiya kiffileta  
daggayettosonna.

Ha ayiffen bettonna microbes geetettiyayissatti asa na7a  
faayatetta bollan de7iya go7ay kehippe dhoqqa , gidدoppe  
attin etti gammi7on lammetishe iddo yuussa bagga erranaw  
tagettidda tanggoy qibba. Hayissa xommosson nunni  
gammi7on lammetishe yidda dunna gidдон microbiome  
ekkiddi meqqetta hannidi de7iya asa na7a gacconne wonta  
asa na7a giddiddi de7ishe dhayidda laayitay 100 sha7u  
laayittappe kassettidda woden de7idda gacco, gellesho,  
gellesho kawo/awa gelleshonne caggettan errettiya gellesho  
qommota gerddaron gammi7on lammetishe yidda dunna  
gidдон de7iya microbiome xommosson filliggiddi xeelidda. Ha  
xommosoy bagaathan 4500 laayita bitta gidдон asa na7i  
mogetti gamm7in hea mogettidda bittaniya achcha bollnikka  
filliggetta ottiddi oyikkidda giddishin xommosoy oosettiday  
Duugeha Tophphiya Gamo dhoqqattiya derettappe Mota  
gonggollo geetetti xeesettiya bessanna.

Xommosanichatti Duugeha Fillorida univeresitteppe,  
kallifornia bitta kawotetta Kannel Islands unversitettappenne

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kare dere universersitettappe shiqqiddi bitta gaarissappe moggettida bittanne "Bayira," geetetti suumettidda asa na7a xommossiddosonna "Bayira" birishettay kasettidda guussi gammootho donnan.

DNA bolla oottishin, ha ceeggay unnidenna wayissiyaba hanniddobbay , arikiyologistetti meqqida otto zarru issibolla gaatettiddi koyiro zawan de7iya otto mella uddannaw wayiyoysadda arikilologistetti qassekka kehuppe wayon kase meqqeretti, tiffettiddi attidda batta issibollan gasso koyiro hea hayiqqi dhayidda bay beni bawoden ayiddaniyakko qonccissi besoosonna. Hessa oothi bessannaw, nu orrata mishsha medhdhiddanne zeretta hannota faattanaw qoddan billionne giddiya DNA tiffetatta demon eta bolla qasse coorra wode hayiqqiddi de7iya bakteria arikiologe demottan bettiddayissatta shakkonna.

Meqqethi giddiddi de7iya achcha gaccoppe, nu shakidday tamu cuugga bakiteriatt nu dunna gidдон de7iya microbiome yamme giddiddi 40 millionne laayittappekka bolla giddiya wodes de7idabba giddishin qasse hessi malley mata wode gaso de7idda nu makakulla dabottikka ha microbiome koothettiddoosonna. Ha bakiteriattas maddeyinne go7ay nu dunna gidдонinne dunnann de7iya gacconne achcha faayatetta nagosonna. Giddoppe attin ha coorra bakiteriatti loo7iddi xommosettonna hannotayinne ettappe baggaw suunthikka baynayissi mallales.

Hessada nunni hara makullettara koothettiya coorra giddiddi dunna gidдон bakiteriyatti de7iyoge, nu dunna gidдон de7iya microbiome geetetti xeesettiyage kehiddi Neanderthal woyikko wonta asa na7a giddiddi de7ishe dhayidda asa gacco gidдон de7iyayissara isso dannees. Sima hizza, ha7i woden de7iya asa dunna gidдон de7iya bakiteriattinne wonta asa na7a giddiddi de7ishe dhayidda asas ayikko hannidda kennani xeellishin shaki errannaw wayettees. Guussayikka wolli dannosonna giyayissa. Giddoppe attin qibba giddiya dummatteethay de7eesinne nu demiday beni woden de7iya asatti /beni shacha woden Awuroppan de7ida asatti hanidda kenna bakteria qommotta wonta asa mella de7iddi dhayidda asarra kootheetoosonna. Koothateethay ha7i woden de7iya asan bawa.

Ussa mallaliyayis, nu demidday issi cuuggan de7iya bakiterriya nam7attan (ha7i wode asattayissaninne wonta asa na7a giddiddi de7iddi dhayidda asattanikka dunna gidдон uttiddi botha, gacconinne achha bolla de7iya batta mishshe de7iyagga. Hessi bessiyayissi botha dhille danniya qummatti asa na7i goshsha ooso errannappe kase madiya qumma geetewttiddi ekettida hannotay de7iyayissa qonniccisees, hessan kaniche

**Acha bolla  
ukketti uttiya  
bothabba nu  
ubba  
galallassa  
muccettishenn  
e miqqiddi  
diggos,  
hannoppe attin  
ha bothabbay  
nu achha bolla  
de7iyatis  
gammi7on  
laammetishe  
yidda nu onna  
teethanne nu  
bolla  
faayatettabba  
oddannaw  
danida7iyabba  
tta  
oyikkiddayissa.**

eqqonan ha7i wode asay gammi7on laammetishe yiddo wodey dommanappekka kase gussa.

Botha dhille Danni ekkiya qummattappe : unikka unikkotti, annot(xaphphoy mettettiyagetti)nne zeeretha/ayiffey de7iya kaathatti, wolloqqa immiya qummattanne hannidayissatti issi baggara pallamishe nu mayizattas ha wolloqqa immiya qumma mussi dommeethay, asa na7i yelletti diccishshe gitta guugge ekiddi diccanna mellanne nu kocha mella hannana mella uddenns agenna giyya qoffan oothis. Nu beni mayizatti adhiddi yidda oggetta kuummetha wothi qoddi wurrissanna giyabba giddikko mayizatti darro wayethiya laametta adhiddi yidosonna. Hannoppe attin nu dunna giddoppe bettida bakiteriy qonccisseyinne beni wode asatti miya kaatta qommotta laammiddi yiddakkonne hachi bolla nunna dummattiya asa ootti kessiddakko qoniccebba wottis.

Nu dunna gidдон de7iya microbiome geetettiyayis nurra issippe duussi dommida wodey guuyye tayibrttishin millionne giddiya laayitappekka darrena antenna , giddikokka ayiffe gididdi xommosso oothiya sayinssey giyayissa mella giddikko, nu ha7ikka hessabagga eriyobbay darrena. Acha bolla ukketti uttiya bothabba nu ubba galallassa muccettishenne miqqiddi diggos, hannoppe attin ha bothabbay nu acha bolla de7iyatis gammi7on laammetishe yidda nu onna teethanne nu bolla faayatettabba oddannaw danida7iyabbatta oyikkiddayissa.

**For the full scientific article, please see:**

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