Supplemental Material for 'Type I and II Error Rates in Modularity Hypothesis Testing'

Table S1: Description of the twenty-two registered landmarks. Cranial regions and subregions to which each landmark is assigned are also indicated.

Landmark	**Position**[a]	**Region**	**Sub-region**	**Description**[b]
IS	A	Face	Oral/Nasal	*intradentale superior*
PM	A	Face	Oral	premaxillary suture at the alveolus
NSL	A	Face	Nasal/Oral	*nasale*
NA	A	Face	Nasal/Orbit	*nasion*
BR	AP	Neurocranium	Vault	*bregma*
PT	AP	Neurocranium	Vault	pterion
FM	A	Face	Zygomatic/Orbit	fronto-malare
ZS	A	Face	Oral/Zygomatic/Orbit	zygomaxillare superior
ZI	A	Face	Zygomatic	zygomaxillary inferior
MT	A	Face	Oral	maxillary tuberosity
PNS	A	Face	Oral	*posterior nasal spine*
APET	A	Neurocranium	Base	anterior petrous temporal
BA	AP	Neurocranium	Base	*basion*
OPI	AP	Neurocranium	Base/Vault	*opisthion*
EAM	A	Neurocranium	Zygomatic/Vault	anterior external auditory meatus
PEAM	A	Neurocranium	Vault	posterior external auditory meatus
ZYGO	A	Face	Zygomatic	inferior zygo-temporal suture
TSP	A	Neurocranium	Zygomatic/Base/Vault	temporo-spheno-parietal junction
TS	AP	Neurocranium	Base	temporo-sphenoidal junction at the petrous
JP	AP	Neurocranium	Base	jugular process
LD	P	Neurocranium	Vault	*lambda*
AS	P	Neurocranium	Vault	asterion

[a] view in which each landmark was registered (A: anterior, P: posterior, AP: both);

[b] italic descriptions indicate landmarks registered over the sagittal plane; remaining landmarks are bilaterally symmetrical.

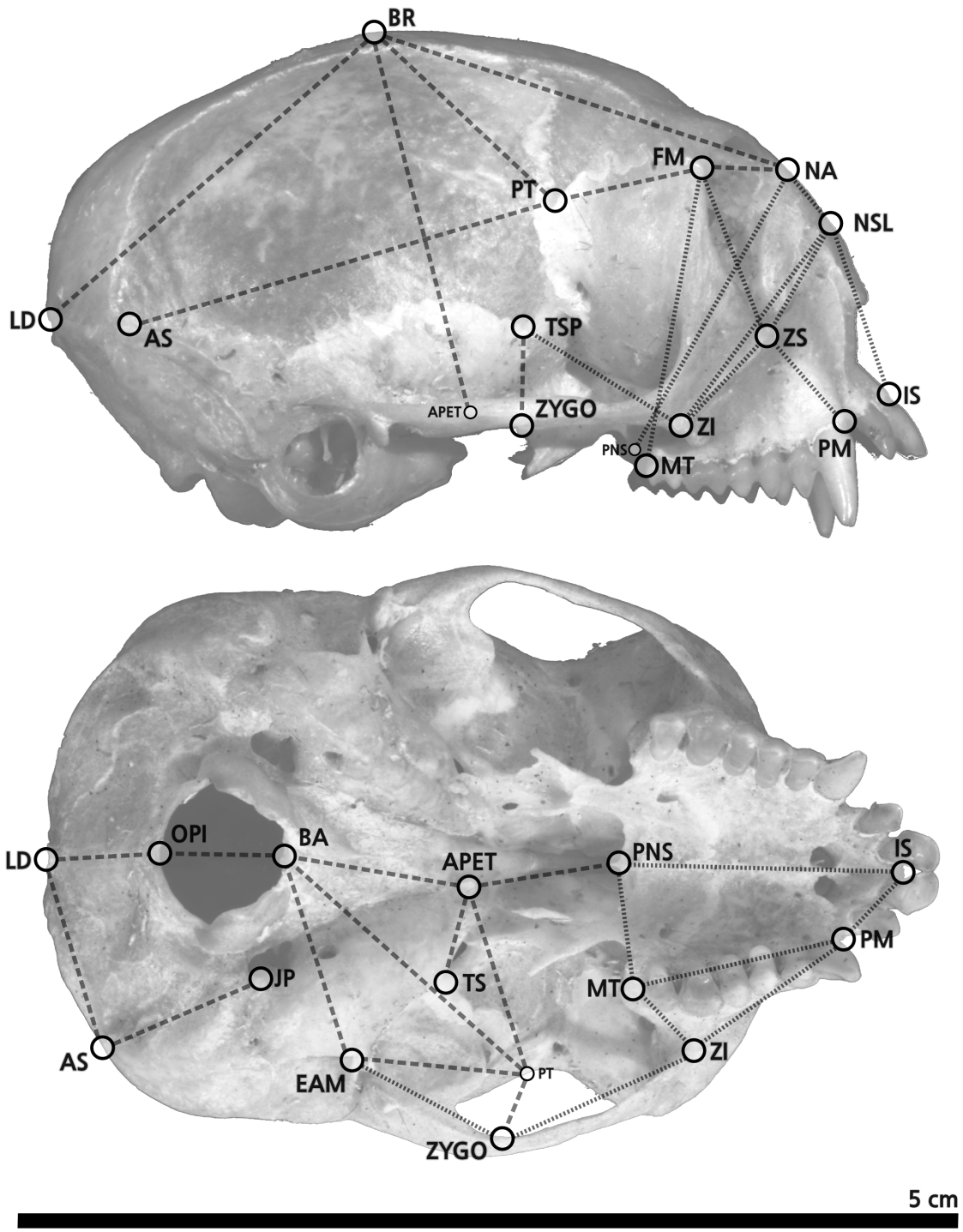

Figure S1: Landmark configuration. Lines connecting landmarks indicate traits considered, either as interlandmark distances or local shape variables. Dotted and dashed lines indicate the association of each trait to *a priori* regional hypotheses of association (Face and Neurocranium, respectively).

Table S2: List of thirty-eight interlandmark distances calculated over all configurations. Cranial regions and sub-regions to which each trait is assigned are also indicated. This table also indicates the location of local shape variables calculated, since this type of morphometric variable was estimated at the midpoints of each of these distances.

Trait	**Region**	**Sub-region**
IS.PM	Face	Oral
IS.NSL	Face	Nasal
IS.PNS	Face	Oral/Nasal
PM.ZS	Face	Oral
PM.ZI	Face	Oral
PM.MT	Face	Oral
NSL.NA	Face	Nasal
NSL.ZS	Face	Nasal
NSL.ZI	Face	Oral/Nasal
NA.BR	Neurocranium	Vault
NA.FM	Neurocranium	Orbit
NA.PNS	Face	Nasal
BR.PT	Neurocranium	Vault
BR.APET	Neurocranium	Vault
PT.FM	Neurocranium	Orbit
PT.APET	Neurocranium	Vault
PT.BA	Neurocranium	Vault
PT.EAM	Neurocranium	Vault
PT.ZYGO	Face	Zygomatic
FM.ZS	Neurocranium	Orbit
ZS.ZI	Face	Oral
ZI.MT	Face	Oral
ZI.ZYGO	Face	Zygomatic
ZI.TSP	Face	Zygomatic
MT.PNS	Face	Oral
PNS.APET	Neurocranium	Base
APET.BA	Neurocranium	Base
APET.TS	Neurocranium	Base
BA.EAM	Neurocranium	Base
EAM.ZYGO	Face	Zygomatic
ZYGO.TSP	Face	Zygomatic
LD.AS	Neurocranium	Vault
BR.LD	Neurocranium	Vault
OPI.LD	Neurocranium	Vault
PT.AS	Neurocranium	Vault
JP.AS	Neurocranium	Base
BA.OPI	Neurocranium	Base