

LDA classification and provenance of the P4 sample.

Specimen	Cluster	Geographical category
PVL 7680	A	NWA
MCH-P 353	A	NWA
FMNH-P 14368	A	NWA
FMNH-P 14374	B	NWA
FMNH-P 14377	A	NWA
FMNH-P 14378	A	NWA
FMNH-P 14399	A	NWA
FMNH-P 14456	A	NWA
FMNH-P 14465	A	NWA
FMNH-P 14498	B	NWA
FMNH-P 14536	A	NWA
FMNH-P 14538	B	NWA
FMNH-P 15254	B	NWA
GHUNLPam 14840	B	La Pampa
GHUNLPam 19231	B	La Pampa
GHUNLPam 19484	B	La Pampa
GHUNLPam 21813	A	La Pampa
GHUNLPam 8294	B	La Pampa
GHUNLPam 91	B	La Pampa
IANIGLA-PV 442	B	Mendoza
IANIGLA-PV 509	B	Mendoza
IANIGLA-PV 517	A	Mendoza
IANIGLA-PV 553	B	Mendoza
IANIGLA-PV 555	B	Mendoza
MACN-Pv 2913	B	Atlantic coast
MACN-Pv 8495	B	Mendoza
MACN-A 10277	B	Atlantic coast
MACN-A 1377	B	Atlantic coast
MACN-A 1672-73	B	Atlantic coast
MACN-Pv 2434	B	Atlantic coast
MACN-Pv 8494	B	Mendoza
MCH-P 192	A	NWA
MCH-P 219	A	NWA
MCH-P 221	A	NWA
MCH-P 223	A	NWA
MCH-P 36	A	NWA
MPAT 727	A	NWA

LDA classification and provenance of the UPM sample.

Specimen	Cluster	Geographical category
PVL 7680	A	NWA
MCH-P 353	A	NWA
FMNH 14377	A	NWA
FMNH 14399	A	NWA
FMNH 14456	A	NWA
FMNH 14465	A	NWA
FMNH 14536	A	NWA
FMNH 14538	A	NWA
FMNH P 14378	A	NWA
MACN PV-2434	A	Atlantic coast
MACN PV-8495	A	Mendoza
MCH-P 192	A	NWA
MCH-P 219	A	NWA
MCH-P 223	A	NWA
MCH-P 36	A	NWA
GHUNLPam 19231	B	La Pampa
GHUNLPam 19484	B	La Pampa
GHUNLPam 8294	B	La Pampa
INIGLA-PV 442	B	Mendoza
INIGLA-PV 553	B	Mendoza
INIGLA-PV 555	B	Mendoza
MACN A-10277	B	Atlantic coast
MACN A-1377	B	Atlantic coast
MACN A-1672	B	Atlantic coast
MACN PV-8494	B	Mendoza
MACNPv 2913	B	Atlantic coast
MPAT 727	B	NWA

LDA classification and provenance of the combining P4 and UPM sample.

Specimen	Cluster (UPM)	Cluster (P4)	Cluster (UPM+P4)	Geographical category
PVL 7680	A	A	A	NWA
MCH-P 353	A	A	A	NWA
FMNH 14377	A	A	A	NWA
FMNH 14399	A	A	A	NWA
FMNH 14456	A	A	A	NWA
FMNH 14465	A	A	A	NWA
FMNH 14536	A	A	A	NWA
FMNH 14538	A	A	A	NWA
FMNH P 14378	A	B	A	NWA
MCH-P 192	A	A	A	NWA
MCH-P 219	A	A	A	NWA
MCH-P 223	A	A	A	NWA
MCH-P 36	A	A	A	NWA
GHUNLPam 19231	B	B	B	La Pampa
GHUNLPam 19484	B	B	B	La Pampa
GHUNLPam 8294	B	B	B	La Pampa
INIGLA-PV 442	B	B	B	Mendoza
INIGLA-PV 553	B	B	B	Mendoza
INIGLA-PV 555	B	B	B	Mendoza
MACN A-10277	B	B	B	Atlantic coast
MACN A-1377	B	B	B	Atlantic coast
MACN A-1672	B	B	B	Atlantic coast
MACN PV-2434	A	B	B	Atlantic coast
MACN PV-8494	B	B	B	Mendoza
MACN PV-8495	A	B	B	Mendoza
MACN Pv 2913	B	B	B	Atlantic coast
MPAT 727	B	A	B	NWA

LDA classification and provenance of the m3 sample.

Specimen	Cluster	Geographical category
MCH-P 352	A	NWA
FMNH P 14354	A	NWA
FMNH P 14359	A	NWA
FMNH P 14362	A	NWA
FMNH P 14368	A	NWA
FMNH P 14390	A	NWA
FMNH P 14399	A	NWA
IANIGLA-PV 437	A	Mendoza
MCH-P 203	A	NWA
MCH-P 225	A	NWA
MCH-P 36	A	NWA
MPAT 727	A	NWA
FMNH P 14394	B	NWA
FMNH P 14400	B	NWA
FMNH P 14456	B	NWA
FMNH P 15255	B	NWA
FMNH P 15269	B	NWA
GHUNLPam 100	B	La Pampa
GHUNLPam 6209-3	B	La Pampa
IANIGLA-PV 517	B	Mendoza
MACN PV-2434	B	Atlantic coast
MACN Pv 7207	B	Atlantic coast
MCH-P 218	B	NWA
MCH-P 220	B	NWA
MLP 57-X-10-86	B	Atlantic coast
PVL 7559	B	NWA
MCH-P 349	B	NWA
MCH-P 350	B	NWA

LDA classification and provenance of the p3 sample.

Specimen	Cluster	Geographical category
MCH-P 352	A	NWA
FMNH P 14354	A	NWA
FMNH P 14362	A	NWA
FMNH P 14368	A	NWA
FMNH P 14394	A	NWA
FMNH P 14400	A	NWA
FMNH P 15255	A	NWA
FMNH P 15269	A	NWA
GHUNLPam 100	A	La Pampa
GHUNLPam 21367	A	La Pampa
GHUNLPam 21476	A	La Pampa
GHUNLPam 22730	A	La Pampa
GHUNLPam 4190	A	La Pampa
GHUNLPam 5563	A	La Pampa
GHUNLPam 6424	A	La Pampa
GHUNLPam 6838-16	A	La Pampa
GHUNLPam 8642	A	La Pampa
IANIGLA-PV 428	A	Mendoza
IANIGLA-PV 503	A	Mendoza
IANIGLA-PV 517	A	Mendoza
MCH-P 202	A	NWA
MCH-P 36	A	NWA
PVL 7681	B	NWA
MCH-P 354	B	NWA
FMNH P 14359	B	NWA
FMNH P 14390	B	NWA
FMNH P 14399	B	NWA
FMNH P 14456	B	NWA
FMNH P 15266	B	NWA
FMNH PM 1090	B	NWA
GHUNLPam 5441	B	La Pampa
GHUNLPam 6209-3	B	La Pampa
GHUNLPam 6239	B	La Pampa
IANIGLA-PV 459	B	Mendoza
IANIGLA-PV 479	B	Mendoza
MACN 16854	B	Atlantic coast
MACN A-10277	B	Atlantic coast
MACN PV-2434	B	Atlantic coast
MACN Pv 7207	B	Atlantic coast
MCH-P 225	B	NWA
MCH-P 233	B	NWA
MLP 57-X-10-86	B	NWA

MPAT 727	B	NWA
PVL 7559	B	NWA
MCH-P 348	B	NWA
MCH-P 350	B	NWA