

Meresa et al., Pre-Aksumite and Aksumite agricultural economy at Ona Adi, Tigray (Ethiopia): first look at a 1000-year history.

Supplementary Information 2 List of abbreviations of the identified phytolith morphotypes with their taxonomic and anatomic classification.

Abbreviation	Morphotype	Anatomical attribution	Taxonomical interpretation
ELO_ENT	ELONGATE ENTIRE	Non-diagnostic	Poaceae/Cyperaceae
ELO_DET	ELONGATE DENTATE	Non-diagnostic	Poaceae
ELO_DEN	ELONGATE DENDRITIC	Inflorescence	Poaceae
ELO_SIN_REG	ELONGATE SINUATE REGULAR	Leaf	Poaceae/Cyperaceae
ELO_SIN_IRR	ELONGATE SINUATE IRREGULAR	Leaf	Poaceae/Cyperaceae
ELO_SIN_CAS	ELONGATE SINUATE CASTELLATE	Leaf	Poaceae/Cyperaceae
ELO_SIN_COL	ELONGATE SINUATE COLUMNAR	Leaf	Poaceae/Cyperaceae
BIL_VLL_VLS	BILOBATE VERY LARGE/VERY LONG SHANK	Non-diagnostic	cf. Aristidoideae
BIL_LL_LS	BILOBATE LARGE/LONG SHANK	Non-diagnostic	Panicoideae/Chloridoideae
BIL_ML_LS	BILOBATE MEDIUM/LONG SHANK	Non-diagnostic	Panicoideae/Chloridoideae
BIL_ML_SS	BILOBATE MEDIUM/SHORT SHANK	Non-diagnostic	Panicoideae/Chloridoideae
BIL_ML_CON	BILOBATE MEDIUM/CONSTRICTED SHANK	Non-diagnostic	Panicoideae/Chloridoideae
BIL_SL_CON	BILOBATE SMALL/CONSTRICTED SHANK	Non-diagnostic	Panicoideae/Chloridoideae
BIL_PLA	BILOBATE PLATEAUED	Non-diagnostic	Poaceae
POL_NOD	POLYLOBATE NODULAR	Non-diagnostic	Poaceae
POL_TRI	POLYLOBATE TRILOBATE	Non-diagnostic	Poaceae

POL_MUL	POLYLOBATE MULTILOBATE	Non-diagnos tic	Poaceae
CRO_TAB	CROSS TABULAR	Non-diagnos tic	Panicoideae/Chloridoideae
CRO_TRA	CROSS TRAPEZIFORM	Non-diagnos tic	Panicoideae/Chloridoideae
CRO_CAR	CROSS CARINATE	Non-diagnos tic	Panicoideae
CRO_TRI	CROSS TRIANGLE	Non-diagnos tic	Panicoideae/Chloridoideae
SAD_TAB_SYM	SADDLE TABULAR SYMMETRICAL	Non-diagnos tic	Chloridoideae
SAD_TAB_LON	SADDLE TABULAR LONG	Non-diagnos tic	Chloridoideae
SAD_TAB_SHO	SADDLE TABULAR SHORT	Non-diagnos tic	Poaceae
SAD_TRA_PLA	SADDLE TRAPEZIFORM PLATEAUED	Non-diagnos tic	Poaceae
SAD_TRA_BIL	SADDLE TRAPEZIFORM BILOBATED	Non-diagnos tic	cf. Panicoideae/Chloridoideae
SAD_COL	SADDLE COLLAPSED	Non-diagnos tic	cf. Chloridoideae
RON_TAB_PSI	RONDEL TABULAR PSILATE	Non-diagnos tic	Poaceae
RON_TAB_COR	RONDEL TABULAR CORNICULATE	Non-diagnos tic	Poaceae
RON_TRA_PSI	RONDEL TRAPEZIFORM PSILATE	Non-diagnos tic	Poaceae
RON_TRA_COR	RONDEL TRAPEZIFORM CORNICULATE	Non-diagnos tic	Poaceae
RON_CAR	RONDEL CARINATE	Non-diagnos tic	Poaceae
RON_C3	RONDEL C3	Non-diagnos tic	Pooideae
TRA	TRAPEZOID	Non-diagnos tic	Poaceae
CRE_SIN	CRENATE SINUATE	Non-diagnos tic	Pooideae
CRE_CRE	CRENATE CRENATE	Non-diagnos tic	Pooideae

PAP	PAPILLATE	Inflorescence	Poaceae
ACU_BUL	ACUTE BULBOSUS	Non-diagnostic	Poaceae/Cyperaceae
ACU_FUS	ACICULAR FUSIFORM	Non-diagnostic	Non-diagnostic
SPH_SPI	SPHEROID PSILATE	Non-diagnostic	Non-diagnostic
SPH_ECH_ARE	SPHEROID ECHINATE ARECACEAE	Non-diagnostic	Arecaceae
SPH_ECH_ZIN	SPHEROID ECHINATE ZINGIBERALES	Non-diagnostic	Zingiberales
SPH_ORN_PLI	SPHEROID ORNATE PLICATE	Non-diagnostic	Zingiberales
SPH_ORN_VER	SPHEROID ORNATE VERRUCATE	Non-diagnostic	cf. Zingiberales
COM_CON_CYA	COMMELINACEAE CONICAL CYANOTIS	Seed	<i>Cyanotis</i> sp.
COM_CON_COM	COMMELINACEAE CONICAL COMMELINA	Seed	Commelina sp.
COM_PRI	COMMELINACEAE PRISMATIC ANISOPOLAR	Seed	Commelinaceae
CYP_CON	CYPERACEAE CONICAL	Culm/Leaf	Cyperaceae
STO	STOMATE	Leaf	Poaceae
MES	MESOPHYLL	Leaf	Dicotyledonous
TRC	TREACHERY	Culm/Leaf	Non-diagnostic
TAB_POL	TABULAR POLYGONAL	Non-diagnostic	Non-diagnostic
TAB_AMO	TABULAR AMOEBOID	Non-diagnostic	Dicotyledonous
SMA_SCL	SCLERENCHYMA SCLEREID	Non-diagnostic	Dicotyledonous
BLO	BLOCKY	Non-diagnostic	Non-diagnostic
BUL_FLA	BULLIFORM FLABELLATE	Leaf	Poaceae/Cyperaceae