

UNDERSTANDING THE POST-POMPEIAN ERA

Wall painting in the Roman Empire (AD 79–395)

APPENDICES



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¹ N.B. The orange tables on display in the Appendices are based on raw data extracted from the Poporowapa dataset, whereas the data presented in the blue tables has been edited.

Appendix I:

The Poporowapa ontology

Root nodes

Activities	
>	Event
>	> Armed conflict
>	> Battle
>	> Duel
>	Burial
>	Celebration
>	> Festival
>	> Triumph
>	Ceremony
>	> Cultural ceremony
>	> Procession
>	> Religious ceremony
>	> Baptism
>	> Praying or Orans
>	> Sacrifice
>	Entertainment event
>	> Ludi publici
>	> Performance
>	Journey
>	Meal
>	Meeting
>	Natural event
>	> Flood
>	> Storm
>	Panathenaia
>	Party
>	> Symposium
>	Personal life event
>	> Birth
>	> Death
>	Victory
>	Mental activity
>	> Reading
>	> Thinking
>	Physical activity
>	> Ball game
>	> Dancing
>	> Drinking
>	> Eating
>	> Fishing
>	> Hunting
>	> Sitting
>	> Standing
>	> Symplegma or sex acts
>	Process or technique
>	> Absolute dating
>	> Painting technique
>	> Fresco
>	> Secco
>	Masonry
>	Opus tessellatum
Agents	
>	Animal
>	> Amphibian
>	> Salamander
>	> Bird
>	> Anatidae
>	> Duck
>	> Goose
>	> Chicken
>	> Dove
>	> Eagle

>	>	>	European bee-eater
>	>	>	European honey buzzard
>	>	>	Heron
>	>	>	Parrot
>	>	>	> Parakeet
>	>	>	Peacock
>	>	>	Pigeon
>	>	>	> Rock pigeon
>	>	>	Rock partridge
>	>	>	Songbird
>	>	>	Swan
>	>	>	White-throated Robin
>	>	Fish or sea creature	
>	>	>	Dolphin
>	>	>	Eel
>	>	>	Mullet
>	>	>	Octopus
>	>	>	Shellfish
>	>	>	> Lobster
>	>	>	> Shrimp
>	>	>	Wrasse or Lippfisch
>	>	>	Ziege
>	>	Mammal	
>	>	>	Bull
>	>	>	Cat
>	>	>	> Lion
>	>	>	> Leopard
>	>	>	Cow
>	>	>	Deer
>	>	>	Dog
>	>	>	> Hunting dog
>	>	>	Fox
>	>	>	Gazelle
>	>	>	Horse
>	>	>	Ovis or sheep
>	>	>	Rabbit
>	>	>	Squirrel
>	>	>	Wild goat
>	>	>	> Ibex
>	>	Mythical or legendary being	
>	>	>	Griffin
>	>	>	Hippocampus
>	>	>	Panther
>	>	>	Sphinx
>	>	Reptile	
>	>	>	Snake
>	>	Person	
>	>	Activity	
>	>	>	Athlete
>	>	>	Boatman
>	>	>	Charioteer
>	>	>	Equestrian
>	>	>	Gladiator
>	>	>	Leader
>	>	>	Orator
>	>	>	Pedestrian
>	>	>	Player
>	>	>	Seaman
>	>	>	Spectator
>	>	>	Traveler
>	>	Age group	
>	>	>	Adult
>	>	>	Youth
>	>	Family relationship	
>	>	>	Ancestor
>	>	>	Descendant
>	>	>	Relative
>	>	>	Romantic partner
>	>	>	Sibling
>	>	Gender	

>	>	>	Boy
>	>	>	Girl
>	>	>	Hermaphrodite
>	>	>	Man
>	>	>	Woman
>	>	Occupation	
>	>	>	Actor
>	>	>	Farmer
>	>	>	Musician
>	>	>	Painter
>	>	>	Philosopher
>	>	>	Priest
>	>	>	Servant
>	>	>	Shepherd
>	>	>	Warrior
>	>	Organization	
>	>	>	Workshop
>	>	State or condition	
>	>	>	Dwarf or Pygmy
>	>	>	Slave
>	>	>	Virgin
>	Plant		
>	>	Fungi	
>	>	Nonwoody plants	
>	>	>	Fern
>	>	>	Herb
>	>	>	Moss
>	>	Woody plants	
>	>	>	Bush
>	>	>	Herbaceous plant
>	>	>	> Grass
>	>	>	> Reed
>	>	>	Shrub
>	>	>	> Rose
>	>	>	> Honeysuckle
>	>	>	Tree
>	>	>	> Coconut palm tree
>	>	>	> Pine
>	Associated concepts		
>	>	Formal	
>	>	>	Horror vacui
>	>	>	Isocephaly
>	>	>	Symmetry
>	>	Geometric	
>	>	>	Center
>	>	>	Hexagon
>	>	>	Line
>	>	>	Octagon
>	>	>	Spiral
>	>	>	Triangle
>	>	Illusionism	
>	>	>	Faux bois
>	>	>	Faux marbre
>	>	>	Trompe-l'oeil
>	>	Language-related	
>	>	>	Ancient Greek
>	>	>	Ancient Greek transliterated into Latin
>	>	>	Ancient Latin
>	>	Theater	
>	>	>	Comedy
>	>	>	Tragedy
>	Christian iconography		
>	>	Abraham	
>	>	Adam and Eve	
>	>	Christ	
>	>	Daniel	
>	>	Elias	
>	>	Elijah	
>	>	Job	
>	>	Jonah	
>	>	Lazarus	
>	>	Magi	

>	Moses
>	Noah
>	Paralytic man
>	Peter
>	Philistines
>	Samaritan woman
>	Samson
>	
>	Classical mythology and ancient history
>	
>	Classical history
>	> Event or situation
>	> Female person
>	> Sappho
>	> Male person
>	> Alexander the Great
>	> Apelles
>	> Homer
>	> Horace
>	> Menander
>	> Perikeiromene
>	> Sikyonioi
>	> Ovid
>	> Pythagoras
>	> Seneca
>	> Seven sages
>	> Chilon
>	> Socrates
>	> Trajan
>	Gods
>	> Birth and healing
>	> Aesculapius or Asclepius
>	> Ilithia or Eileithia
>	> Destiny, fate, and adversity
>	> Ate
>	> Eris or Discordia
>	> Fates, Oarcae or Moirae
>	> Momus
>	> Nemesis or Adrastea
>	> Tyche
>	> Earth and fertility
>	> Centaur
>	> Cybele or Berecynthia
>	> Maenad or Bacchante
>	> Mountain
>	> Nymph
>	> Pan
>	> Priapus
>	> Proserpina, Persephone or Core, and Libera
>	> Satyr, faun, and Silenus
>	> Olympian
>	> Apollo or Phoebus
>	> Bacchus or Dionysus
>	> Thyrsus
>	> Ceres or Demeter
>	> Diana or Artemis
>	> Juno or Hera
>	> Jupiter or Zeus
>	> Mars or Ares
>	> Mercury or Hermes
>	> Minerva or (Pallas) Athena
>	> Neptune or Poseidon
>	> Venus or Aphrodite

>	>	Vesta or Hestia	
>	>	Vulcan or Hephaestus	
>	>	Phenomena of air and sky	
>	>	Aurora or Eos	
>	>	Helios	
>	>	Hesperus and Phosphorus	
>	>	Hyades	
>	>	Pleiades or Vergiliae	
>	>	Wind	
>	>	Serving and attending	
>	>	Cupid, Amor, or Eros	
>	>	Ganymede	
>	>	Graces or Charites	
>	>	Hebe or Juventas	
>	>	Hours or Horae, and Seasons	
>	>	Iris	
>	>	Muses	
>	>	>	Calliope
>	>	>	Clio
>	>	>	Erato
>	>	>	Euterpe
>	>	>	Melpomene
>	>	>	Polyhymnia
>	>	>	Terpsichore
>	>	>	Thalia
>	>	>	Urania
>	>	Nike	
>	>	Underworld	
>	>	Furies, Dirae or Erinyes, and Eumenides	
>	>	Hecate	
>	>	Hypnos, and his brother Thanatos	
>	>	Ker	
>	>	Oneiroi	
>	>	Pluto or Hades, Dis Pater, and Orcus	
>	>	Water	
>	>	Amphitrite	
>	>	Ceto	
>	>	Eurybia	
>	>	Glaucus	
>	>	Leucothea	
>	>	Monster	
>	>	>	Echidna
>	>	>	Gorgon
>	>	>	Graea
>	>	>	Harpy
>	>	>	Scylla and Charybdis
>	>	>	Siren
>	>	Nereid	
>	>	Nereus	
>	>	Oceanid	
>	>	Palaemon	
>	>	Phorcys	
>	>	Proteus	
>	>	River	
>	>	Thaumas	
>	>	Triton	
>	>	Dwelling of the gods	
>	>	Cave of winds	
>	>	Garden of the Hesperides	
>	>	Hades	
>	>	>	Cerberus
>	>	>	Elysium
>	>	Helicon	

>	>	>	Pegasus
>	>	>	House of Sleep
>	>	>	Olympus
>	>	>	Parnassus
>	Greek heroes and heroines		
>	>	Hero	
>	>	>	Achilles
>	>	>	Admetus
>	>	>	Icarus
>	>	>	Menelaus
>	>	>	Orestes
>	>	>	Paris or Alexander
>	>	>	Tantalus
>	>	>	Ulysses
>	>	Heroine	
>	>	>	Alcestis
>	>	>	Amazons
>	>	>	Ariadne
>	>	>	Helen
>	>	>	Iphigenia
>	>	>	Medea
>	Greek heroic legends		
>	>	Adventures of the Greeks after the fall of Troy	
>	>	>	Return of Agamemnon
>	>	>	Return of Menelaus
>	>	Argonauts	
>	>	Bellerophon	
>	>	Dioscuri	
>	>	Hercules or Heracles	
>	>	>	Twelve Labours
>	>	Meleager	
>	>	Oedipus	
>	>	Orion	
>	>	Orpheus	
>	>	Perseus	
>	>	>	Andromeda
>	>	Theban wars	
>	>	Theseus	
>	>	Trojan war	
>	>	>	Achilles on Scyros
>	>	>	Journey to Troy
>	>	>	>
>	>	>	Philoctetes
>	>	>	Arrival and the first nine years
>	>	>	Tenth year
>	>	>	Last months of the siege and the fall of Troy
>	>	Wanderings of Ulysses	
>	Metamorphoses		
>	Myths about creation		
>	>	Battles with the gods	
>	>	>	Aloids or Aloidae
>	>	>	Giants
>	>	>	>
>	>	>	Gigantomachy
>	>	>	Titanomachy
>	>	>	Typhon or Typhoeus
>	>	Division of the universe	
>	>	Genesis of the universe	
>	>	Offspring of Uranus and Gaea	
>	>	>	Centimani or Hecatoncheires
>	>	>	Cyclops
>	>	>	Titan

>	>	Origin of man		
>	>	>	Epimetheus	
>	>	>	Pandora	
>	>	>	Prometheus	
>		Roman deities		
>	>	Female deity		
>	>	>	Acca Larentia	
>	>	>	Angerona	
>	>	>	Bona Dea	
>	>	>	Flora	
>	>	>	Fountain	
>	>	>	Lara, Larunda, and Dea Muta	
>	>	>	Ops	
>	>	>	Pomona	
>	>	>	Tellus	
>	>	Foreign deity		
>	>	>	Bel	
>	>	>	Dea Syria, and Astarte	
>	>	>	Harpocrates	
>	>	>	Isis	
>	>	>	Mithras	
>	>	>	Osiris	
>	>	>	Serapis	
>	>	House gods, tutelary spirits, and spirits of the dead		
>	>	>	Genii	
>	>	>	Lares	
>	>	>	Larvae, and Lemures	
>	>	>	Manes	
>	>	>	Penates	
>	>	Male deity		
>	>	>	Faunus	
>	>	>	Janus	
>	>	>	Picus	
>	>	>	Quirinus	
>	>	>	Silvanus	
>	>	>	Terminus	
>	>	>	Tiberinus	
>	>	>	Vertumnus	
>	>	Personification of an abstract concept		
>	>	>	Abundantia	
>	>	>	Fortuna	
>	>	>	Victoria	
>		Roman legends		
>	>	Hero from the legendary origins of Rome		
>	>	>	Romulus and Remus	
>	>	Heroine from the legendary origins of Rome		
>	>	>	Dido	
>	>	Wanderings of Aeneas to Italy		
Geography				
>		Extraterrestrial		
>	>	Moon		
>	>	Sun		
>		World		
>	>	Africa		
>	>	>	Algeria	
>	>	>	Egypt	
>	>	>	>	Muhafazat al Fayyum
>	>	>	>	Fayum or Al Fayyum
>	>	>	>	Muhafazat al Iskandariyah
>	>	>	>	Alexandria

>	>	>	>	Muhafazat al Minya	
>	>	>	>		Tunat al-Gabal
>	>	>	>	Muhafazat al Wadi al Jadid	
>	>	>	>	>	Dakhla Oasis or Amheida
>	>	>	>	>	Ismant or Kellis
>	>	>	>	Libya	
>	>	>	>	Al Jabal al Akhdar	
>	>	>	>	>	Ad Dirsiyah or Ptolemais
>	>	>	>	>	Cyrene
>	>	>	>	Al Khums	
>	>	>	>	>	Labdah or Leptis Magna
>	>	>	>	>	Suqal-Khamis or Sugh el-Chmis
>	>	>	>	Az Zawayah	
>	>	>	>	>	Sabratah
>	>	>	>	Misratah	
>	>	>	>	>	Zlitan
>	>	>	>	Tripoli	
>	>	>	>	>	Gargaresh
>	>	>	>	Morocco	
>	>	>	>	Tunisia	
>	>	>	>	Safaqis, Wilayat	
>	>	>	>	>	Henchir Bou Tria or Acholla
>	>	>	>	Tunis, Wilayat	
>	>	>	>	>	Carthage
>	>	>	>	Asia	
>	>	>	>	Armenia	
>	>	>	>	Azerbaijan	
>	>	>	>	Cyprus	
>	>	>	>	Georgia	
>	>	>	>	Iran	
>	>	>	>	Iraq	
>	>	>	>	Israel	
>	>	>	>	HaDarom	
>	>	>	>	>	Ashqelon
>	>	>	>	>	Bet Guvrin
>	>	>	>	>	Erez or Or HaNer
>	>	>	>	HaZafon	
>	>	>	>	>	Hanita
>	>	>	>	>	Lohamei HaGeta'ot
>	>	>	>	Jerusalem	
>	>	>	>	>	Jerusalem
>	>	>	>	Jordan	
>	>	>	>	Irbid	
>	>	>	>	>	Irbid or Abila
>	>	>	>	Kuwait	
>	>	>	>	Lebanon	
>	>	>	>	Liban-Sud	
>	>	>	>	>	Sidon
>	>	>	>	>	Tyre or Tyros
>	>	>	>	Russia	
>	>	>	>	Krasnodarskiy Kray	
>	>	>	>	>	Anapa or Gorgippia
>	>	>	>	Saudi Arabia	
>	>	>	>	Syria	
>	>	>	>	Dayr az Zawr	
>	>	>	>	>	Qal'at as Salihiyah or Dura-Europos
>	>	>	>	Hims	
>	>	>	>	>	Palmyra
>	>	>	>	Turkey	
>	>	>	>	Antalya	
>	>	>	>	>	Aksu or Perge
>	>	>	>	Aydin	
>	>	>	>	>	Aphrodisias

>	>	>	Balikesir	
>	>	>	>	Altunoluk or Antandrus
>	>	>	Burdur	
>	>	>	>	Aglasun or Sagalassos
>	>	>	Bursa	
>	>	>	>	Iznik
>	>	>	Denizli	
>	>	>	>	Pamukkale or Hierapolis
>	>	>	Hatay	
>	>	>	>	Antioch
>	>	>	>	Samandagi or Zeugma
>	>	>	Izmir	
>	>	>	>	Bergama or Pergamon
>	>	>	>	Ephesus
>	>	>	Karabuk	
>	>	>	>	Eskipazar or Hadrianopolis
>	>	>	Manisa	
>	>	>	>	Alasehir or Philadelphia
>	>	>	>	Sardis
>	>	>	Mersin	
>	>	>	>	Anamur or Anemurium
>	>	>	Mugla	
>	>	>	>	Iasos
>	>	Europe		
>	>	Albania		
>	>	Andorra		
>	>	Austria		
>	>	>	Lower Austria	
>	>	>	>	Carnuntum
>	>	>	Vienna state	
>	>	>	>	Vienna
>	>	Belgium		
>	>	Bosnia and Herzegovina		
>	>	Bulgaria		
>	>	>	Silistra	
>	>	>	>	Silistra
>	>	>	Sofiya-Grad	
>	>	>	>	Sofia
>	>	Croatia		
>	>	Czech Republic		
>	>	France		
>	>	>	Aquitane	
>	>	>	>	Saint-Ciers-de-Canesse or Plassac Gironde
>	>	>	Basse-Normandie	
>	>	>	>	Vieux
>	>	>	Brittany or Breton	
>	>	>	>	Carnac
>	>	>	>	Corseul
>	>	>	>	Kernonen
>	>	>	>	Kervenane
>	>	>	>	Plouhinec
>	>	>	>	Saint-Cast-le-Guildo
>	>	>	Languedoc-Roussillon	
>	>	>	>	Mons
>	>	>	>	Narbonne
>	>	>	>	Nimes
>	>	>	Lorraine	
>	>	>	>	Bliesbruck
>	>	>	>	Damblain
>	>	>	>	Dolving
>	>	>	>	Liehon
>	>	>	>	Metz or

				Divodurum
>	>	>	Nord-Pas-de-Calais	
>	>	>	>	Bois l'Abbe
>	>	>	>	Famars
>	>	>	Picardy	
>	>	>	>	Amiens
>	>	>	Provence-Alpes-Cote d'Azur	
>	>	>	Rhone-Alpes	
>	>	>	>	Vienne
>	>	>	Germany	
>	>	>	Baden-Wurttemberg	
>	>	>	>	Laufenburg
>	>	>	Bavaria	
>	>	>	>	Augsburg
>	>	>	North Rhine-Westphalia	
>	>	>	>	Cologne
>	>	>	Rhineland Palatinate	
>	>	>	>	Bad Neuenahr-Ahrweiler
>	>	>	>	Trier
>	>	>	Greece	
>	>	>	Peloponnese	
>	>	>	>	Corinth
>	>	>	Macedonia	
>	>	>	>	Thessaloniki
>	>	>	Hungary	
>	>	>	Budapest	
>	>	>	>	Budapest
>	>	>	Komarom-Esztergom	
>	>	>	>	Brigetio
>	>	>	Veszprem	
>	>	>	>	Balaca
>	>	>	Italy	
>	>	>	Abruzzi	
>	>	>	>	Albe or Alba Fucens
>	>	>	Apulia	
>	>	>	>	Ordona
>	>	>	Calabria	
>	>	>	>	Sybaris
>	>	>	Campania	
>	>	>	>	Baiae
>	>	>	>	Caivano
>	>	>	>	Capua
>	>	>	>	Cuma or Cumes
>	>	>	>	Napels
>	>	>	>	Pozzuoli
>	>	>	Friuli-Venezia Giulia	
>	>	>	>	Aquileia
>	>	>	Lazio	
>	>	>	>	Bolsena
>	>	>	>	Ladispoli
>	>	>	>	Marino
>	>	>	>	Ostia
>	>	>	>	Porto
>	>	>	>	Rome
>	>	>	>	Tivoli
>	>	>	>	Vatican or HolySee
>	>	>	Lombardy	
>	>	>	>	Cremona
>	>	>	>	Desenzano del Garda
>	>	>	>	Milan or Mediolanum
>	>	>	Piedmont	
>	>	>	>	Alba
>	>	>	>	Vercelli
>	>	>	Sicily	
>	>	>	>	Marsala

>	>	>	>	Piazza Armerina
>	>	>	Tuscany	
>	>	>	>	Livorno
>	>	>	Umbria	
>	>	>	>	Assisi
>	>	>	Veneto	
>	>	>	>	Este
>	>	>	>	Marche
>	>	>	>	Verona
>	>	Liechtenstein		
>	>	Luxembourg		
>	>	Malta		
>	>	Moldova		
>	>	Monaco		
>	>	Montenegro		
>	>	Netherlands		
>	>	Romania		
>	>	>	Constanta	
>	>	>	>	Constanta or Tomis
>	>	San Marino		
>	>	Serbia		
>	>	>	Pozarevac	
>	>	>	>	Kostolac or Viminacium
>	>	>	Vojvodina	
>	>	>	>	Sremska Mitrovica or Sirmium
>	>	Slovakia		
>	>	Slovenia		
>	>	Spain		
>	>	>	Alicante	
>	>	>	>	Elche or Ilici
>	>	>	Asturias	
>	>	>	>	Castro Chao
>	>	>	Badajoz	
>	>	>	>	Merida
>	>	>	Ciudad Real	
>	>	>	>	Almodovar del Campo or Sisapo
>	>	>	Cordoba	
>	>	>	>	Cordova or Cordoba
>	>	>	>	Puente-Genil
>	>	>	Cuenca	
>	>	>	>	Saelices or Segobriga
>	>	>	Leon	
>	>	>	>	Astorga
>	>	>	Madrid	
>	>	>	>	Alcalade Henares
>	>	>	Murcia	
>	>	>	>	Cartagena or Carthago Nova
>	>	>	>	Murcia
>	>	>	Toledo	
>	>	>	>	Toledo
>	>	>	Tarragona	
>	>	>	>	Altafulla
>	>	>	>	Tarragona
>	>	>	Valencia	
>	>	>	>	Valencia
>	>	>	Zaragoza	
>	>	>	>	Bilbilis
>	>	Switzerland		
>	>	>	Aargau	
>	>	>	>	Baden
>	>	>	>	Buchs
>	>	>	>	Granichen
>	>	>	>	Windisch
>	>	>	Basel-Landschaft	
>	>	>	>	Augst
>	>	>	>	Sissach

>	>	>	>	Waldenburg or Holstein
>	>	>	Bern	
>	>	>	>	Bern
>	>	>	>	Meikirch
>	>	>	>	Munsingen
>	>	>	Fribourg	
>	>	>	Geneve	
>	>	>	>	Geneve
>	>	>	Graubunden	
>	>	>	>	Chur
>	>	>	Luzern	
>	>	>	>	Hochdorf or Ferren
>	>	>	>	Pfeffikon or Sursee
>	>	>	Neuchatel	
>	>	>	>	Colombier
>	>	>	Thurgau	
>	>	>	>	Steckborn or Huttwilien
>	>	>	Ticino	
>	>	>	>	Minusio
>	>	>	Valais	
>	>	>	>	Martigny
>	>	>	Vaud	
>	>	>	>	Avenches
>	>	>	>	Lausanne
>	>	>	>	Pully
>	>	>	Zurich	
>	>	>	>	Bulach or Seeb
>	>	>	>	Dielsdorf or Oberweningen
>	>	The former Yugoslav Republic of Macedonia		
>	>	Ukraine		
>	>	>	Krym	
>	>	>	>	Kerch
>	>	United Kingdom		
>	>	>	Cambridgeshire	
>	>	>	>	Water Newton
>	>	>	Cheshire	
>	>	>	>	Chester
>	>	>	Dorset	
>	>	>	>	Dorchester
>	>	>	>	Iwerne Minster
>	>	>	>	Tarrant Hinton
>	>	>	East Riding of Yorkshire	
>	>	>	>	Brantingham
>	>	>	>	Rudston
>	>	>	Essex	
>	>	>	>	Colchester
>	>	>	Gloucestershire	
>	>	>	>	Cirencester
>	>	>	>	Frocester
>	>	>	>	Kingscote
>	>	>	>	Witcombe
>	>	>	Hampshire	
>	>	>	>	Silchester
>	>	>	>	Sparsholt
>	>	>	>	Winchester
>	>	>	Hertfordshire	
>	>	>	>	Boxmoor
>	>	>	>	Gadebridge or Hemel
>	>	>	>	Hempstaed
>	>	>	>	St> Albans or Verulamium
>	>	>	Leicester	
>	>	>	>	Leicester
>	>	>	Lincolnshire	
>	>	>	>	Lincoln
>	>	>	Kent	
>	>	>	>	Dover
>	>	>	>	Lullingstone

>	>	>	>	Offord
>	>	>	Monmouthshire	
>	>	>	>	Caerwent
>	>	>	North Lincolnshire	
>	>	>	>	Greetwell or Scawby
>	>	>	>	Winterton
>	>	>	North Yorkshire	
>	>	>	>	Aldborough
>	>	>	>	Catterick
>	>	>	>	Malton
>	>	>	Nottinghamshire	
>	>	>	>	Southwell
>	>	>	Oxfordshire	
>	>	>	>	Wigginton
>	>	>	Shropshire	
>	>	>	>	Acton Scott
>	>	>	>	Wroxeter
>	>	>	Somerset	
>	>	>	>	East Brent
>	>	>	Wiltshire	
>	>	>	>	Wanborough
>	>	>	West Sussex	
>	>	>	>	Bignor
>	>	>	>	Fishbourne
>	>	>	West Yorkshire	
>	>	>	>	Collingham
>	>	>	Worcestershire	
>	>	>	>	Droitwich
>	>	>	York	
>	>	>	>	York
>	>	Portugal		
>	>	>	Setubal	
>	>	>	>	Grandola or Troia
Materials				
>	Composition			
>	Combination			
>	>	Coral		
>	>	Pearl		
>	>	Soil		
>	Inorganic			
>	>	Building brick		
>	>	Glass		
>	>	Metal		
>	>	Rock		
>	>	>	Marble	
>	Organic			
>	>	Oil		
>	>	Wax		
>	Form			
>	Ribbon or tainia			
>	Wicker			
>	Function			
>	Base color			
>	Coating			
>	>	Faux finish		
>	>	Paint		
>	>	Plaster		
>	Colorant			
>	>	Pigment		
>	Food			
>	>	Beverage		
>	>	>	Wine	
>	>	Bread		
>	>	Fruit		
>	>	>	Edible fig	
>	>	>	Grape	
>	>	>	Pomegranate	
>	Incense			
>	Perfume			
>	Refuse			
>	Trimming			
>	>	Braid		
>	Origin			
>	Biological			

		material	
>	>	>	Animal
>	>	>	Fish scale
>	>	>	Meat
>	>	>	Pelt
>	>	>	Turtoise shell
>	>	>	Plant
>	>	>	Branch
>	>	>	Flower
>	>	>	Leaf
>	>	>	Root
>	>	>	Wood
>	>	>	Sponge
>	>	Residue material	
>	>	Ash	
>	State		
>	Gas		
>	Liquid		
>	Solid		
Objects			
>	Architectural element		
>	Aedicule		
>	Altar		
>	>	House altar or lararium	
>	Arcade		
>	Architectural order		
>	>	Colossal	
>	>	Composite	
>	>	Corinthian	
>	>	Doric	
>	>	Ionic	
>	>	Tuscan	
>	Barrier		
>	>	Balustrade	
>	>	Lattice	
>	Ceiling		
>	>	Coffered ceiling	
>	Chimney		
>	Column		
>	>	Base	
>	>	Capital	
>	>	Shaft	
>	Fireplace		
>	Molding		
>	>	Egg and dart	
>	Opening		
>	>	Doorway	
>	>	Oculus	
>	>	Window	
>	Ornament		
>	>	Acroterion	
>	>	Antefix	
>	Pedestal		
>	Stair		
>	Structural		
>	>	Atlas	
>	>	Caryatid	
>	>	Corbel	
>	>	Roundel	
>	Theater elements		
>	>	Parascenium	
>	>	Scaenae	
>	Vault		
>	>	Barrel vault	
>	Wall		
>	>	Lunette	
>	>	Orthostat	
>	>	Niche	
>	>	Tympanum	
>	Biological component		
>	Bud		
>	Claw		
>	Feather		

>	>	Horn		
>	>	Tail		
>	>	Wing		
>	Built complex			
>	>	Building site		
>	>	Castrum		
>	>	Cemetery		
>	>	>	Catacomb	
>	>	>	Columbarium	
>	>	>	Necropolis	
>	Built work			
>	>	Animal architecture		
>	>	Commercial building		
>	>	>	Brothel	
>	>	>	Macellum	
>	>	>	Taberna	
>	>	Funerary structure		
>	>	>	Burial cave	
>	>	>	Burial mound	
>	>	>	Grave	
>	>	>	Mausoleum	
>	>	>	Tomb	
>	>	Garden structure		
>	>	>	Nymphaeum	
>	>	>	Trellis	
>	>	Institutional building		
>	>	>	Latrine	
>	>	>	Public bath	
>	>	>	School	
>	>	Monument		
>	>	>	Triumphal arch	
>	>	>	Triumphal column	
>	>	Performing arts building		
>	>	>	Theater	
>	>	Religious structure		
>	>	>	Mithraeum	
>	>	>	Sacellum	
>	>	>	Temple	
>	>	Residential structure		
>	>	>	Apartment house	
>	>	>	Atrium house	
>	>	>	Domus	
>	>	>	Peristyle house	
>	>	>	Terrace house	
>	>	>	Villa	
>	>	Transportation structure		
>	>	>	Mansio	
>	Container			
>	>	Animal husbandry		
>	>	>	Birdcage	
>	>	Barrel		
>	>	Cornucopia or horn of plenty		
>	>	Horticultural		
>	>	>	Flower basket	
>	>	Sarcophagus		
>	>	Tray		
>	>	Vessel		
>	>	>	Drinking vessel	
>	>	>	>	Kantharos
>	>	>	>	Skyphos
>	>	>	Krater	
>	>	>	Storage vessel	
>	>	>	>	Amphora
>	Costume			
>	>	Accessory		
>	>	>	Belt	
>	>	>	Clavus	
>	>	>	Headgear	

>	>	>	Mask
>	>	>	Petasis
>	>	>	Phrygian cap
>	>	>	Veil
>	>	>	Jewelry
>	>	>	Phalera
>	>	>	Plume
>	>	>	Wreath
>	>	>	Clothing
>	>	>	Cape
>	>	>	Mantle
>	>	>	Himation
>	>	>	Toga
>	>	>	Stola
>	>	>	Tunic
>	>	>	Chiton
>	>	>	Footwear
>	>	>	Cothurni
>	>	>	Protective wear
>	>	>	Armor
>	>	>	Shield
>	>	>	Equipment
>	>	>	Gymnastic equipment
>	>	>	Ladder
>	>	>	Walking stick
>	>	>	Cane
>	>	>	Stylus
>	>	>	Trowel
>	>	>	Furnishing
>	>	>	Cushion
>	>	>	Furniture
>	>	>	Bed
>	>	>	Chest
>	>	>	Cupboard
>	>	>	Stool
>	>	>	Table
>	>	>	Throne
>	>	>	Tripod or stand
>	>	>	Mirror
>	>	>	Lighting device
>	>	>	Torch
>	>	>	Stretched-fabric
>	>	>	Genre
>	>	>	Ceramics
>	>	>	Glassware
>	>	>	Metalwork
>	>	>	Spolia
>	>	>	Woodwork
>	>	>	Information artifact
>	>	>	Globe
>	>	>	Celestial
>	>	>	Terrestrial
>	>	>	Scroll
>	>	>	Vexillum or military standard
>	>	>	Wax tablet
>	>	>	Measuring device
>	>	>	Scale
>	>	>	Sundial
>	>	>	Musical instrument
>	>	>	Drum
>	>	>	Tambourine
>	>	>	Lyre
>	>	>	Kithara
>	>	>	Lyra
>	>	>	Reedpipe
>	>	>	Aulos
>	>	>	Open space
>	>	>	Agora
>	>	>	Garden
>	>	>	Private
>	>	>	Public
>	>	>	Sacred grove
>	>	>	Room or space

>	>	Roman bath space
>	>	Apodyterium
>	>	Caldarium
>	>	Frigidarium
>	>	Natatio
>	>	Sudatio
>	>	Sudatorium
>	>	Tepidarium
>	>	Circulation space
>	>	Cryptoporticus
>	>	Fauces
>	>	Stairwell
>	>	Eating and drinking space
>	>	Triclinium
>	>	Interior space
>	>	Oecus
>	>	Tablinum
>	>	Sanitary space
>	>	Bathroom
>	>	Lavatory
>	>	Sleeping space
>	>	Cubiculum
>	>	Storage space
>	>	Temple space
>	>	Cella
>	>	Pronaos
>	>	Tomb space
>	>	Arcosolium
>	>	Burial chamber
>	>	Vault
>	>	Uncovered space
>	>	Atrium
>	>	Peristyle
>	>	Work space
>	>	Kitchen
>	>	Site element
>	>	Fence
>	>	Piscina
>	>	Vehicle
>	>	Boat
>	>	Chariot
>	>	Ship
>	>	Visual work
>	>	Architectural fantasy
>	>	Caricature
>	>	Drapery
>	>	Drawing
>	>	Underdrawing
>	>	Figure
>	>	Bust
>	>	Full-length
>	>	Half
>	>	Head
>	>	Nude
>	>	Staffage
>	>	Graffito
>	>	Landscape
>	>	Opus sectile
>	>	Painting
>	>	Overpaint
>	>	Portrait
>	>	Clipeus
>	>	Sculpture
>	>	Herm
>	>	Statue
>	>	Seascape
>	>	Still life
>	>	Stuccowork
>	>	Weapon
>	>	Club
>	>	Spear
>	>	Physical attributes
>	>	Color

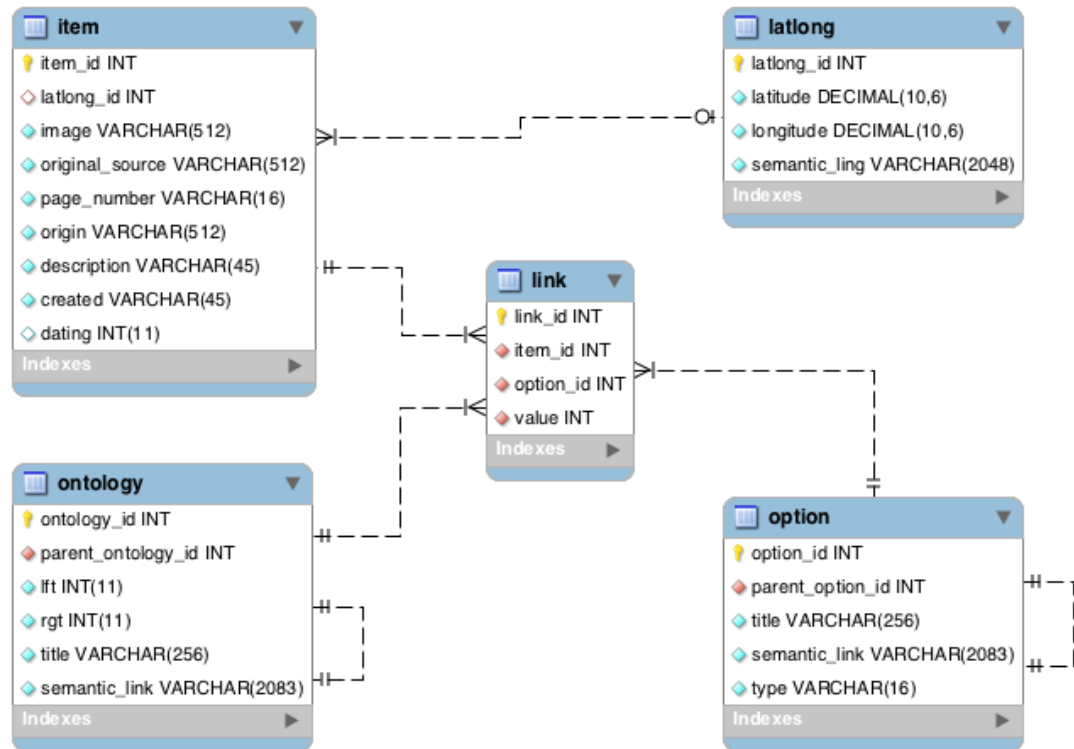
>	>	Black
>	>	Blue
>	>	Brown
>	>	Gray
>	>	Green
>	>	Orange
>	>	Pink
>	>	Purple
>	>	Red
>	>	White
>	>	Yellow
>	>	Form attribute
>	>	Architecture-
>	>	derived
>	>	Vaulted
>	>	Broken
>	>	Domed
>	>	Figure-derived
>	>	Anthropomorphic
>	>	Phallic
>	>	Zoomorphic
>	>	Flat
>	>	Irregular
>	>	Janus-faced
>	>	Shape
>	>	Curved
>	>	Serpentine
>	>	Square
>	>	Vase-shaped
>	>	Size
>	>	Height
>	>	Width
>	>	Motif
>	>	Candelabrum
>	>	Cross
>	>	Chi-rho
>	>	Figure- and
>	>	animal-derived
>	>	Bird
>	>	Mascaron
>	>	Geometric
>	>	Cinquefoil
>	>	Dot
>	>	Interlocking circles
>	>	Lozenge
>	>	Quatrefoil
>	>	Trefoil
>	>	Glory
>	>	Natural element
>	>	Crescent
>	>	Flame
>	>	Star
>	>	Patera
>	>	Pilaster strip or
>	>	isene
>	>	Plant-derived
>	>	Acanthus
>	>	Festoon
>	>	Flower
>	>	Foliage
>	>	Lotus
>	>	Palmette
>	>	Ribbonwork
>	>	Ropework
>	>	Scroll
>	>	Zodiac symbol
>	>	Aquarius
>	>	Aries
>	>	Cancer
>	>	Capricorn
>	>	Gemini
>	>	Leo
>	>	Libra
>	>	Pisces
>	>	Sagittarius
>	>	Scorpio
>	>	Taurus

>	>	Virgo	
>	Ornament area		
>	>	Field	
>	>	Frieze	
>	>	Medallion	
>	>	Openwork border	
>	>	Panel	
>	Pattern		
>	>	Type	
>	>	>	Allover
>	>	>	Running
>	>	Elements	
>	>	>	Arabesque
>	>	>	Edging and surfacing
>	>	>	Arcading
>	>	>	Rustication
>	>	>	Scale pattern
>	>	>	Floral
>	>	>	Millefleurs
>	>	>	Fluting
>	>	>	Foliation
>	>	>	Geometric
>	>	>	Checker
>	>	>	Herringbone
>	>	>	Stripe
>	>	>	Meander
>	>	>	Quincunx
>	>	>	Scrollwork
>	>	>	Inhabited scroll
>	>	>	Wave
>	Imperial period		
>	>	Flavian (69-96)	
>	>	Trajanic (98-117)	
>	>	Hadrianic (117-138)	
>	>	Antonine (138-193)	
>	>	Severan (193-211)	
>	>	Tetrarchic (250-300)	
>	>	Constantinian (311-337)	
>	Pompeian wall painting style		
>	>	Fourth Style	
>	Post-Pompeian Roman wall painting styles		
>	Roman provincial style		
>	>	Gallo-Roman	
>	>	Romano-British	
>	>	Romano-Egyptian	
>	>	Romano-German	

Appendix II:

The Poporowapa dataset

III. 1 The tables of the Poporowapa relational database.



III. 2 The annotation of item number 1 of the Poporowapa item list according to the tables of the Poporowapa relational database.

Item		latlong	
Item_id	1	latlong_id	179
Image	data/Baldassarre2002/279_Rome_Aventin-privatwohnsitz-kaiser-Trajans-deckengewolbe.jpg	latitude	41,900000
original_source	Baldassarre2002	longitude	12,483333
page_number	278	semantic_link	http://vocab.getty.edu/tgn/7000874
origin	Rome		
description	Aventin privatwohnsitz kaiser Trajans deckengewolbe		
created	2015-05-15 11:49:02		
dating	108		
latlong_id	179		

link								
link_id	31487	31488	31489	31490	31491	31492	31493	31494
Item_id	1	1	1	1	1	1	1	1
option_id	1	4	6	2	3	29	29	30
value	550	682	407	98	117	723	106	382

option								
option_id	1	2	3	4	6	7	29	30
title	Location of origin	Dating lower limit	Dating upper limit	Field colour	Building type	Room type	Visual feature	Surface
semantic_link	http://schema.org/contentLocation	http://schema.org/dateCreated	http://schema.org/dateCreated	https://schema.org/hasPart	http://purl.org/dc/terms/spatial	http://purl.org/dc/terms/spatial	https://schema.org/hasPart	http://schema.org/artworkSurface
type	ontology	text	text	ontology	ontology	ontology	ontology	ontology

ontology						
ontology_id	106	382	407	550	682	723
parent_ontology_id	104	369	368	548	671	720
title	Line	Ceiling	Residential Structure	Rome	White	Flower
lft	357	1755	1907	1248	2277	2368
rgt	358	1758	1820	1249	2278	2369
semantic_link	http://vocab.getty.edu/aat/300056279	http://vocab.getty.edu/aat/300002031	http://vocab.getty.edu/aat/300257729	http://vocab.getty.edu/tgn/7000874	http://vocab.getty.edu/aat/300129784	http://vocab.getty.edu/aat/300375563

Appendix III:

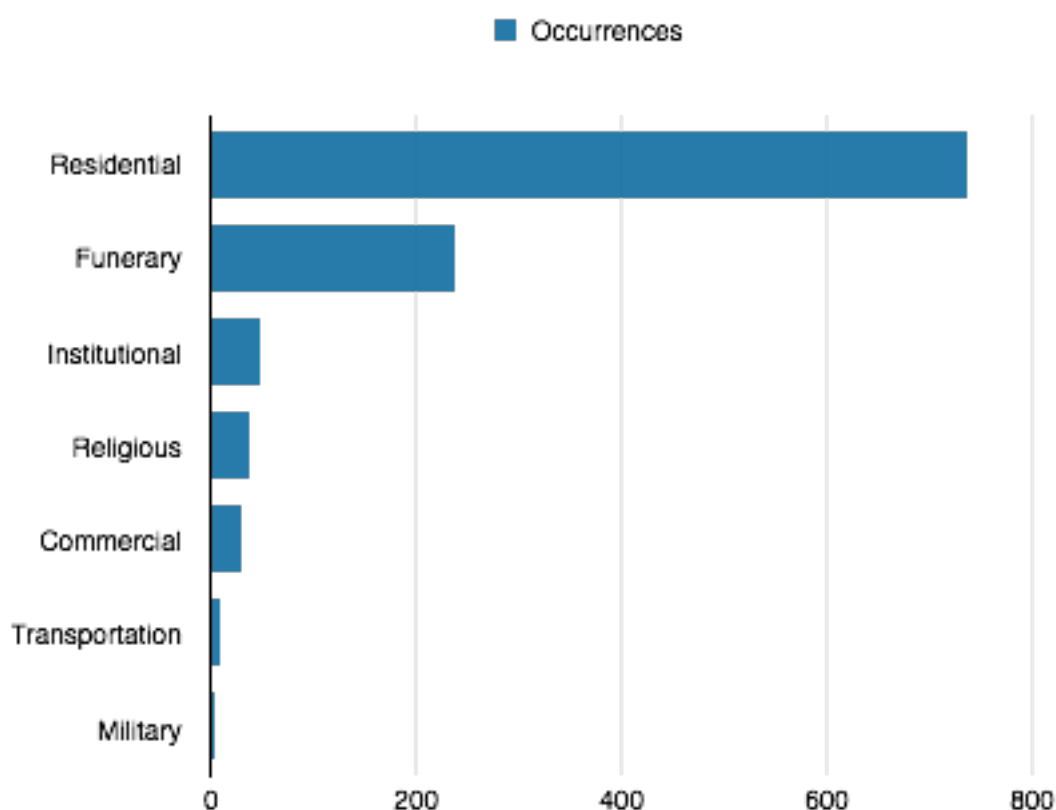
Building types

Occurrences	Building type
307	Residential structure
214	Terrace house
113	Catacomb
112	Villa
65	Tomb
40	Domus
36	Apartment house
30	Grave
30	Public bath
26	Peristyle house
22	Taberna
17	Necropolis
13	Mithraeum
9	Religious structure
8	Mansio
8	Temple
7	Columbarium
6	Commercial building
6	Theater
5	Nymphaeum
4	Castrum
4	Institutional building
3	Latrine
3	Sacellum
3	School
3	Tomb space
2	Atrium house
2	Burial cave
2	Macellum
2	Mausoleum
1	Cemetery

III. 1 The building types linked to the Poporowapa items.

- **Residential:** *Apartment house, Atrium house, Domus, Peristyle house, Residential structure, Terrace house, and Villa.*
- **Funerary:** *Burial cave, Catacomb, Cemetery, Columbarium, Funerary structure, Grave, Mausoleum, Necropolis, and Tomb.*
- **Institutional:** *Institutional building, Latrine, Public bath, and School.*
- **Religious:** *Mithraeum, Nymphaeum, Religious structure, Sacellum, and Temple.*
- **Commercial:** *Commercial building, Macellum, and Taberna.*
- **Transportation:** *Mansio, and Transportation structure.*
- **Military:** *Castrum.*

Building type	Occurrences	Percentage
Residential	737	67%
Funerary	237	22%
Institutional	46	4%
Religious	38	3%
Commercial	30	3%
Transportation	8	1%
Military	4	0%
ALL	1100	100%



Appendix IV:

Dating

Occurrences	Date
1	50
6	75
2	80
4	82
24	85
2	88
2	92
2	95
12	100
8	105
6	108
8	110
3	112
1	115
19	118
15	120
3	123
11	125
43	128
7	130
2	134
13	135
5	138
6	140
1	142
2	144
5	145
4	148
95	150
40	155
2	160
6	162
16	165
30	166
1	169
6	170
2	172
36	175
11	176
47	180
5	185
5	188
8	190
1	192
4	195
2	196
9	198
33	200
7	202
10	205
3	210
5	212
31	214
2	216
23	220
8	222
18	225
2	228
2	230
1	235
32	237
171	238
5	240
7	245
36	250
4	255
1	262
2	265
11	268

4	270
22	275
2	283
2	290
28	300
9	305
104	320
1	322
7	325
5	330
7	332
7	335
2	340
7	345
52	350
1	358
7	375
2	380
3	383
10	390
3	395

III. 1 The dating of the Poporowapa items.

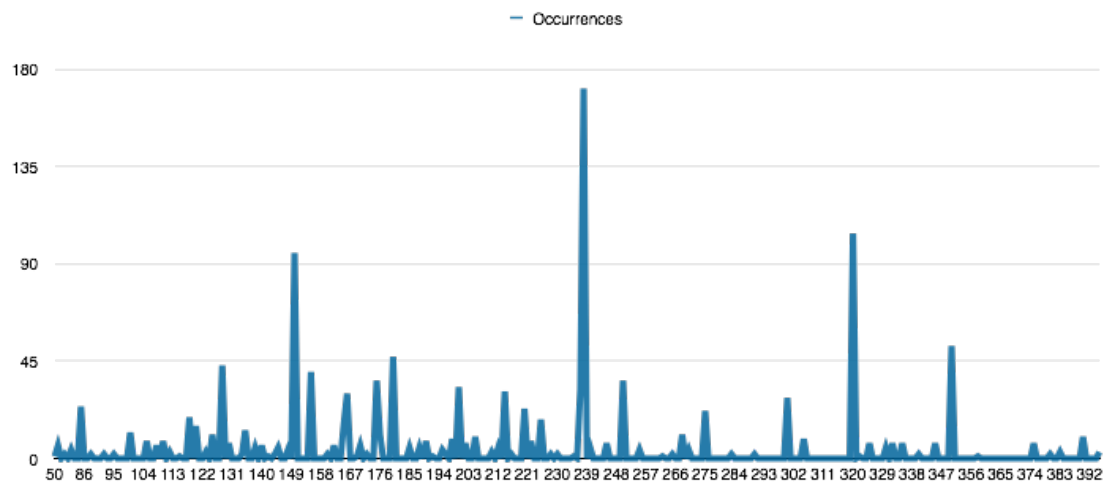
Dating	Occurrences	Percentage
50	1	0%
75	6	0%
79	0	
80	2	0%
81	0	
82	4	0%
83	0	
84	0	
85	24	2%
86	0	
87	0	
88	2	0%
89	0	
90	0	
91	0	
92	2	0%
93	0	
94	0	
95	2	0%
96	0	
97	0	
98	0	
99	0	
100	12	1%
101	0	
102	0	
103	0	
104	0	
105	8	1%
106	0	
107	0	
108	6	0%
109	0	
110	8	1%
111	0	
112	3	0%
113	0	
114	0	
115	1	0%
116	0	
117	0	
118	19	2%
119	0	
120	15	1%
121	0	
122	0	
123	3	0%
124	0	
125	11	1%
126	0	
127	0	
128	43	3%
129	0	
130	7	1%
131	0	
132	0	
133	0	
134	2	0%
135	13	1%
136	0	
137	0	
138	5	0%
139	0	
140	6	0%
141	0	
142	1	0%
143	0	
144	2	0%
145	5	0%
146	0	
147	0	

148	4	0%
149	0	
150	95	8%
151	0	
152	0	
153	0	
154	0	
155	40	3%
156	0	
157	0	
158	0	
159	0	
160	2	0%
161	0	
162	6	0%
163	0	
164	0	
165	16	1%
166	30	2%
167	0	
168	0	
169	1	0%
170	6	0%
171	0	
172	2	0%
173	0	
174	0	
175	36	3%
176	11	1%
177	0	
178	0	
179	0	
180	47	4%
181	0	
182	0	
183	0	
184	0	
185	5	0%
186	0	
187	0	
188	5	0%
189	0	
190	8	1%
191	0	
192	1	0%
193	0	
194	0	
195	4	0%
196	2	0%
197	0	
198	9	1%
199	0	
200	33	3%
201	0	
202	7	1%
203	0	
204	0	
205	10	1%
206	0	
207	0	
208	0	
209	0	
210	3	0%
211	0	
212	5	0%
213	0	
214	31	2%
215	0	
216	2	0%
217	0	
218	0	
219	0	
220	23	2%
221	0	
222	8	1%
223	0	
224	0	

225	18	1%
226	0	
227	0	
228	2	0%
229	0	
230	2	0%
231	0	
232	0	
233	0	
234	0	
235	1	0%
236	0	
237	32	3%
238	171	14%
239	0	
240	5	0%
241	0	
242	0	
243	0	
244	0	
245	7	1%
246	0	
247	0	
248	0	
249	0	
250	36	3%
251	0	
252	0	
253	0	
254	0	
255	4	0%
256	0	
257	0	
258	0	
259	0	
260	0	
261	0	
262	1	0%
263	0	
264	0	
265	2	0%
266	0	
267	0	
268	11	1%
269	0	
270	4	0%
271	0	
272	0	
273	0	
274	0	
275	22	2%
276	0	
277	0	
278	0	
279	0	
280	0	
281	0	
282	0	
283	2	0%
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285	0	
286	0	
287	0	
288	0	
289	0	
290	2	0%
291	0	
292	0	
293	0	
294	0	
295	0	
296	0	
297	0	
298	0	
299	0	
300	28	2%
301	0	

302	0	
303	0	
304	0	
305	9	1%
306	0	
307	0	
308	0	
309	0	
310	0	
311	0	
312	0	
313	0	
314	0	
315	0	
316	0	
317	0	
318	0	
319	0	
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321	0	
322	1	0%
323	0	
324	0	
325	7	1%
326	0	
327	0	
328	0	
329	0	
330	5	0%
331	0	
332	7	1%
333	0	
334	0	
335	7	1%
336	0	
337	0	
338	0	
339	0	
340	2	0%
341	0	
342	0	
343	0	
344	0	
345	7	1%
346	0	
347	0	
348	0	
349	0	
350	52	4%
351	0	
352	0	
353	0	
354	0	
355	0	
356	0	
357	0	
358	1	0%
359	0	
360	0	
361	0	
362	0	
363	0	
364	0	
365	0	
366	0	
367	0	
368	0	
369	0	
370	0	
371	0	
372	0	
373	0	
374	0	
375	7	1%
376	0	
377	0	
378	0	

379	0	
380	2	0%
381	0	
382	0	
383	3	0%
384	0	
385	0	
386	0	
387	0	
388	0	
389	0	
390	10	1%
391	0	
392	0	
393	0	
394	0	
395	3	0%
ALL	1242	100%



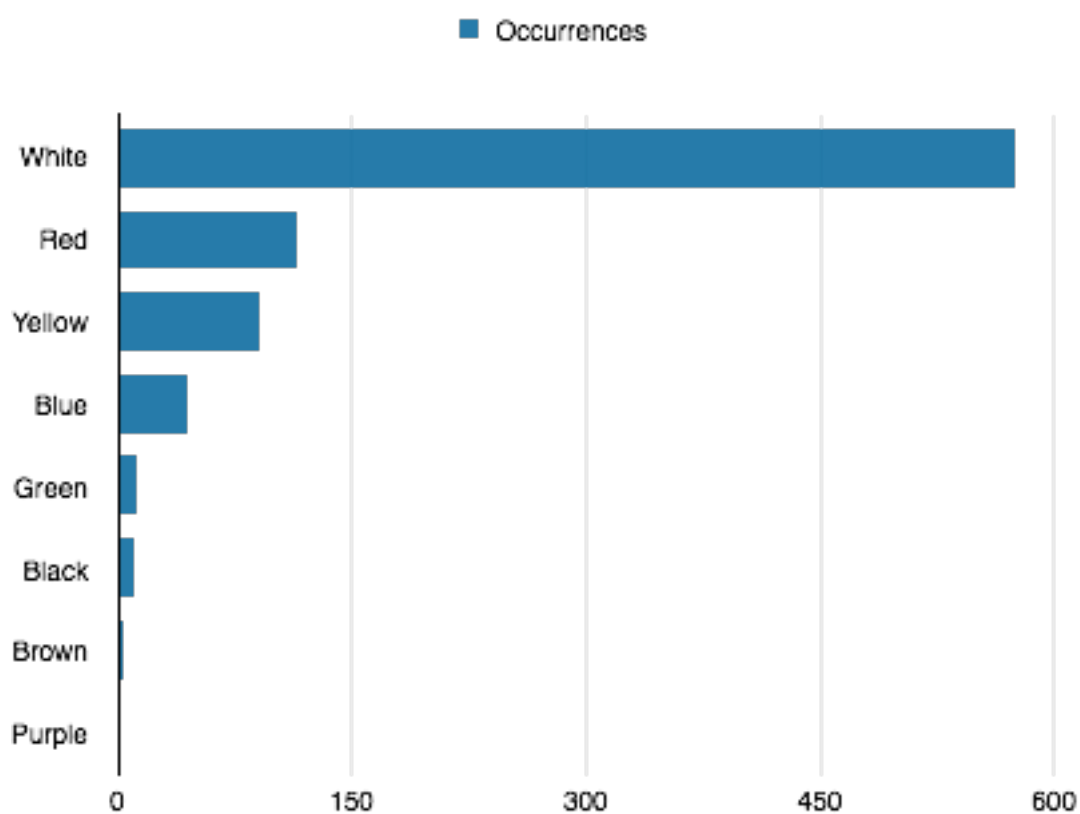
Appendix V:

Field colours

Occurrences	Colour
575	White
114	Red
91	Yellow
44	Blue
12	Green
11	Black
3	Brown
1	Purple

III. 1 The field colours linked to the Poporowapa items.

Field colour	Occurrences	Percentage
White	575	68%
Red	114	13%
Yellow	91	11%
Blue	44	5%
Green	12	1%
Black	11	1%
Brown	3	0%
Purple	1	0%
ALL	851	100%



Appendix VI:

Locations of origin

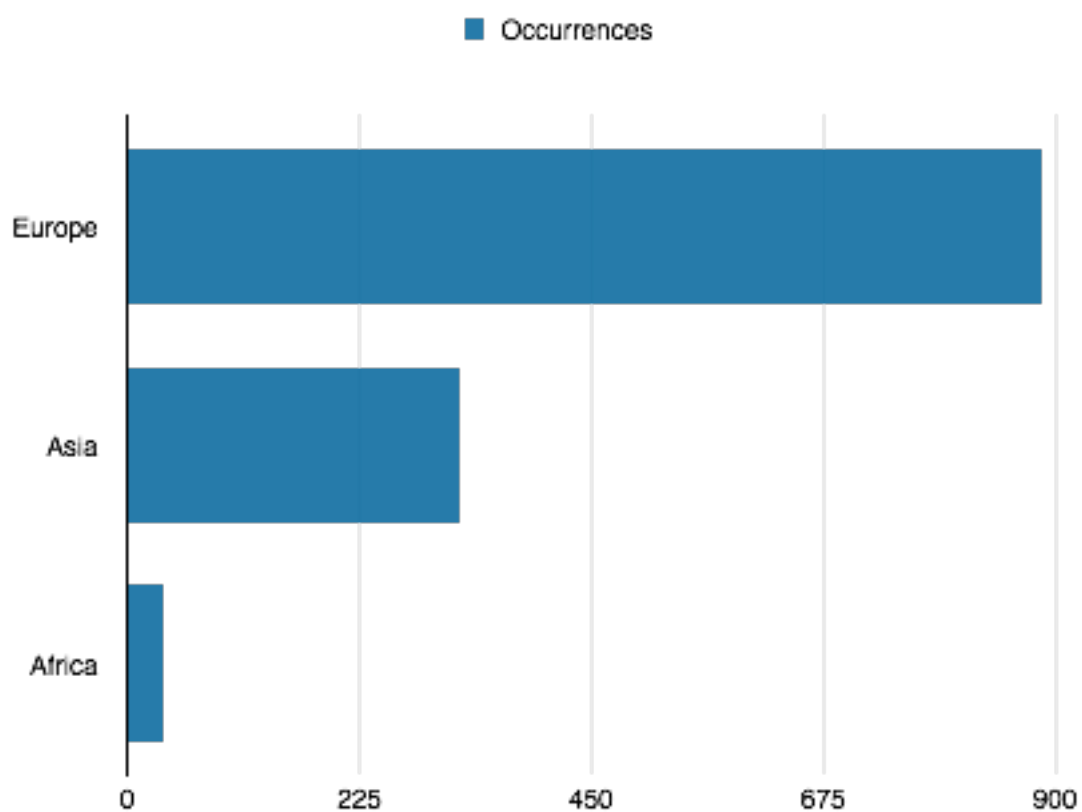
Occurrences	Origin
265	Rome
263	Ephesus
215	Ostia
23	Piazza Armerina
15	Augst
11	Cartagena or Carthago Nova
11	St. Albans or Verulamium
10	Aquileia
10	Martigny
9	Labdah or Leptis Magna
9	Tivoli
9	Sremska Mitrovica or Sirmium
8	Sardis
7	Aglasun or Sagalassos
7	Bergama or Pergamon
7	Trier
6	Qal'at as Salihyah or Dura-Europos
6	Carnuntum
6	Bern
6	Sparsholt
5	Ad Dirsyah or Ptolemais
5	Palmyra
5	Altunluk or Antandrus
5	Metz or Divodurum
5	Nimes
5	Pozarevac
5	Avenches
5	Baden
5	Munsingen
5	Kerch
5	Catterick
5	Leicester
4	Alexandria
4	Dakhla Oasis or Amheida
4	Henchir Bou Tria or Acholla
4	Iasos
4	Plouhinec
4	Caivano
4	Altafulla
4	Valencia
4	Buchs
4	Fribourg
4	Graubunden
4	Pully
4	Waldenburg or Holstein
4	Brantingham
4	Caerwent
4	Collingham
4	Lullingstone
4	Rudston
4	Tarrant Hinton
3	Sabratah
3	Zlitan
3	Ashqelon
3	Sofia
3	Bliesbruck
3	Corinth
3	Baiae
3	Ladispoli
3	Porto
3	Vatican or Holy See
3	Constanta or Tomis
3	Merida
3	Bern
3	Chur
3	Lausanne
3	Windisch
3	Colchester
3	Kingscote

3	Southwell
3	Winchester
3	York
2	Bet Guvrin
2	Hanita
2	Irbid or Abila
2	Tyre or Tyros
2	Silistra
2	Carnac
2	Liehon
2	Narbonne
2	Vieux
2	Cologne
2	Brigetio
2	Budapest
2	Albe or Alba Fucens
2	Assisi
2	Cremona
2	Desenzano del Garda
2	Marche
2	Milan or Mediolanum
2	Ordon
2	Sybaris
2	Almodovar del Campo or Sisapo
2	Astorga
2	Cordova or Cordoba
2	Puente-Genil
2	Dielsdorf or Oberweningen
2	Steckborn or Huttwilen
2	Aldborough
2	Boxmoor
2	Cirencester
2	Dorchester
2	Iwerne Minster
2	Lincoln
2	Malton
2	Otford
2	Silchester
2	Wigginton
2	Witcombe
1	Tunat al-Gabal
1	Gargaresh
1	Erez or Or HaNer
1	Jerusalem
1	Lohamei HaGeta'ot
1	Anapa or Gorgippia
1	Anamur or Anemurium
1	Iznik
1	Amiens
1	Bois l'Abbe
1	Corseul
1	Damblain
1	Dolving
1	Famars
1	Kernonen
1	Kervenanec
1	Mons
1	Saint-Cast-le-Guildo
1	Saint-Ciers-de-Canesse or Plassac
	Gironde
1	Vienne
1	Augsburg
1	Bad Neuenahr-Ahrweiler
1	Laufenburg
1	Balaca
1	Alba
1	Bolsena
1	Capua
1	Cuma or Cumes
1	Este
1	Livorno
1	Marino
1	Marsala
1	Pozzuoli
1	Vercelli
1	Verona
1	Grandola or Troia

1	Alcala de Henares
1	Castro Chao
1	Elche or Ilici
1	Murcia
1	Saelices or Segobriga
1	Tarragona
1	Toledo
1	Bulach or Seeb
1	Colombier
1	Geneve
1	Granichen
1	Hochdorf or Ferren
1	Minusio
1	Pfeffikon or Sursee
1	Sissach
1	Acton Scott
1	Bignor
1	Chester
1	Dover
1	Droitwich
1	East Brent
1	Fishbourne
1	Frocester
1	Gadebridge or Hemel Hempstaed
1	Gloucestershire
1	Greetwell or Scawby
1	Wanborough
1	Water Newton
1	Winterton
1	Wroxeter

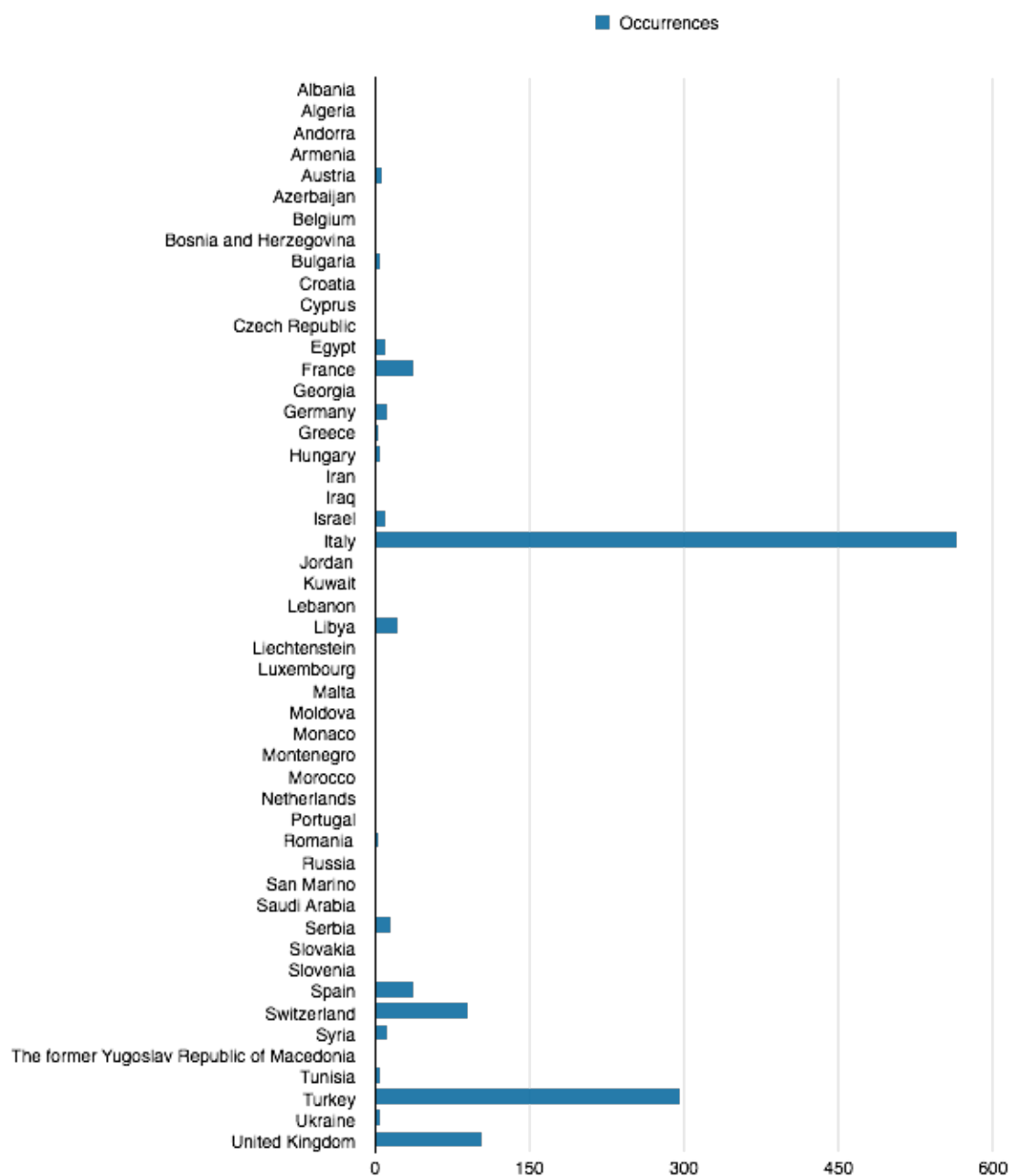
III. 1 The distribution of the Poporowapa items over the modern continents.

Continent	Occurrences	Percentage
Europe	886	71%
Asia	322	26%
Africa	34	3%
ALL	1242	100%



III. 2 The distribution of the Poporowapa items over the modern countries of the former Roman Empire.

Country	Occurrences	Percentage	Amount of cities	Average per city
Albania	0			
Algeria	0			
Andorra	0			
Armenia	0			
Austria	6	0%	1	6
Azerbaijan	0			
Belgium	0			
Bosnia and Herzegovina	0			
Bulgaria	5	0%	2	3
Croatia	0			
Cyprus	0			
Czech Republic	0			
Egypt	9	1%	3	3
France	37	3%	20	2
Georgia	0			
Germany	12	1%	5	2
Greece	3	0%	1	3
Hungary	5	0%	3	2
Iran	0			
Iraq	0			
Israel	10	1%	6	2
Italy	565	45%	29	19
Jordan	2	0%	1	2
Kuwait	0			
Lebanon	2	0%	1	2
Libya	21	2%	5	4
Liechtenstein	0			
Luxembourg	0			
Malta	0			
Moldova	0			
Monaco	0			
Montenegro	0			
Morocco	0			
Netherlands	0			
Portugal	1	0%	1	1
Romania	3	0%	1	3
Russia	1	0%	1	1
San Marino	0			
Saudi Arabia	0			
Serbia	14	1%	2	7
Slovakia	0			
Slovenia	0			
Spain	37	3%	15	2
Switzerland	90	7%	25	4
Syria	11	1%	2	6
The former Yugoslav Republic of Macedonia	0			
Tunisia	4	0%	1	4
Turkey	296	24%	8	37
Ukraine	5	0%	1	5
United Kingdom	103	8%	41	3
ALL	1242	100%	175	7



Appendix VII:

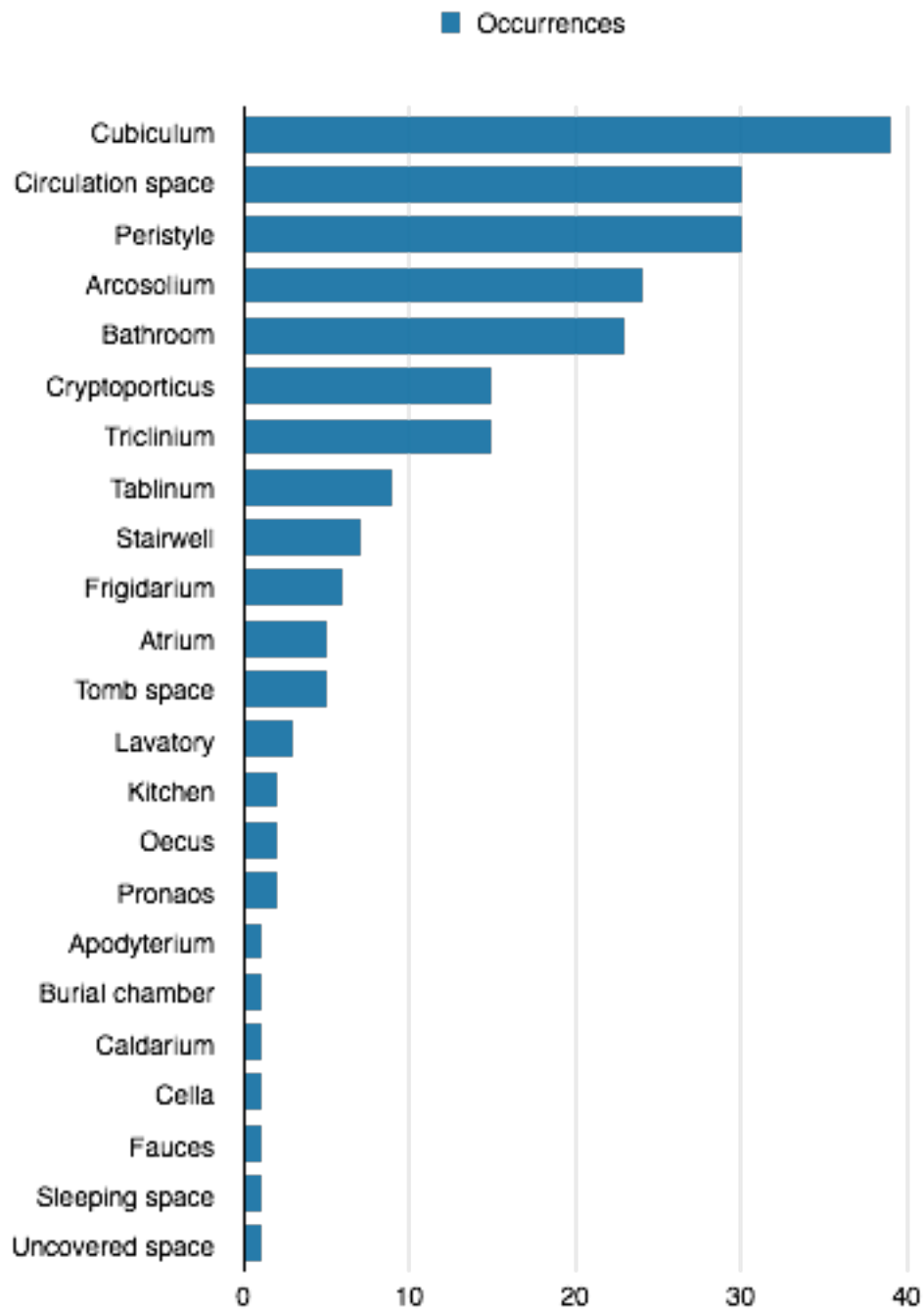
Room types

Occurrences	Room type
39	Cubiculum
30	Circulation space
30	Peristyle
24	Arcosolium
23	Bathroom
15	Cryptoporticus
15	Triclinium
9	Tablinum
7	Stairwell
6	Frigidarium
5	Atrium
3	Lavatory
2	Kitchen
2	Oecus
2	Pronaos
2	Tomb space
1	Apodyterium
1	Burial chamber
1	Caldarium
1	Cella
1	Fauces
1	Sleeping space
1	Uncovered space

III. 1 The room types linked to the Poporowapa items.

Room type	Occurrences	Percentage
Cubiculum	39	16%
Circulation space	30	12%
Peristyle	30	12%
Arcosolium	24	10%
Bathroom	23	10%
Cryptoporticus	15	6%
Triclinium	15	6%
Tablinum	9	4%
Stairwell	7	3%
Frigidarium	6	2%
Atrium	5	2%
Tomb space	5	2%
Lavatory	3	1%
Kitchen	2	1%
Oecus	2	1%
Pronaos	2	1%
Apodyterium	1	0%
Burial chamber	1	0%

Caldarium	1	0%
Cella	1	0%
Fauces	1	0%
Sleeping space	1	0%
Uncovered space	1	0%
ALL	242	100%



Appendix VIII:

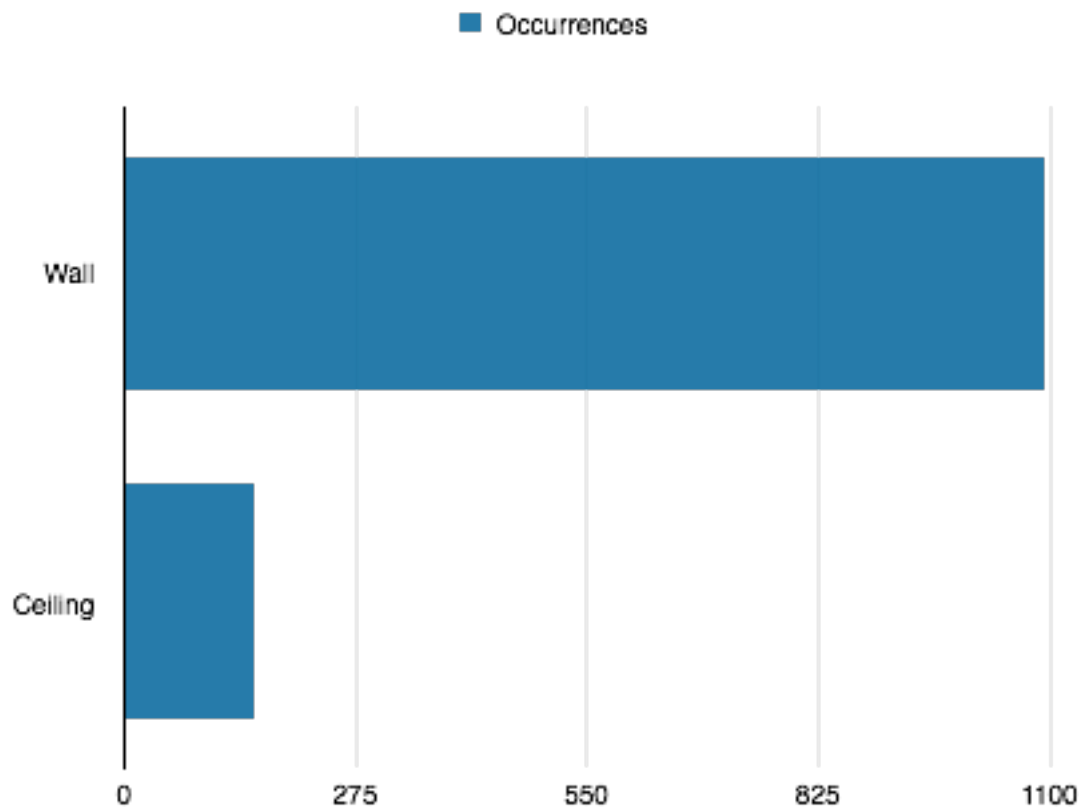
Surfaces

Occurrences	Surface
1061	Wall
155	Ceiling
20	Lunette
8	Niche
4	Sarcophagus
1	House altar or lararium

III. 1 The surface types linked to the Poporowapa items.

- **Wall:** *House altar or lararium, Lunette, Niche, Sarcophagus, and Wall.*
- **Ceiling:** *Ceiling.*

Surface	Occurrences	Percentage
Wall	1094	88%
Ceiling	155	12%
ALL	1249	100%



Appendix IX:

Visual features

Occurrences	Visual feature
337	Panel
331	Full-length
227	Festoon
219	Candelabrum
144	Flower
143	Architectural fantasy
139	Man
137	Woman
133	Bird
120	Marble
90	Line
87	Column
86	Nude
85	Aedicule
81	Vessel
70	Head
64	Millefleurs
63	Opus sectile
60	Allover
59	Scroll
59	Openwork border
59	Landscape
57	Mantle
56	Frieze
48	Cupid, Amor, or Eros
39	Plant
38	Fish or sea creature
37	Tunic
36	Peacock
35	Flower basket
34	Servant
33	Chiton
32	Tree
31	Coffered ceiling
31	Plant-derived
30	Cape
30	Toga
30	Walking stick
30	Meander
29	Roundel
29	Flower
27	Fence
26	Mask
26	Medallion
25	Square
24	Shield
23	Branch
22	Bust
22	Lozenge
22	Geometric
22	Horse
22	Ribbon or tainia
21	Mammal
21	Boy
20	Wreath
20	Deer
20	Scrollwork
20	Christian iconography
19	Wing
19	Seascape
18	Jewelry
18	Chariot
17	Fluting
16	Geometric
16	Octagon
16	Victoria
16	Residential structure
15	Grape
15	Interlocking circles

15	Glory
15	Person
14	Sacrifice
14	Himation
14	Christ
14	Masonry
14	Spear
13	Praying or Orans
13	Dolphin
13	Snake
13	Meal
13	Rock
13	Language-related
13	Garden
13	Boat
12	Phrygian cap
12	Veil
12	Base
12	Tray
12	Drapery
11	Headgear
11	Fruit
11	Bed
11	Boatman
10	Swan
10	Figure
10	Ovis or sheep
10	Gorgon
10	Architectural element
10	Feather
10	Patera
10	Weapon
9	Table
9	Bacchus or Dionysus
9	Foliage
9	Drinking vessel
9	Kantharos
9	Leaf
9	Hercules or Heracles
9	Scroll
9	Lyre
9	Philosopher
9	Hunting
8	Geometric
8	Cow
8	Mercury or Hermes
8	Clipeus
8	Amphora
8	Gods
8	Hours or Horae, and Seasons
8	Warrior
8	Braid
8	Graffito
8	Still life
7	Stool
7	Dog
7	Muses
7	Hippocampus
7	Sphinx
7	Molding
7	Horror vacui
7	Cushion
7	Satyr, faun, and Silenus
7	Drum
7	Scale pattern
7	Shepherd
7	Dancing
7	Bush
7	Grass
7	Club
6	Throne
6	Torch
6	Leopard
6	Panther
6	Venus or Aphrodite
6	Personification of an abstract concept
6	Krater

6	Moses
6	Pegasus
6	Information artifact
6	Flame
6	Motif
6	Ribbonwork
6	Farmer
6	Classical mythology and ancient history
5	Armor
5	Cothurni
5	Tripod or stand
5	Hunting dog
5	Lion
5	Wild goat
5	Griffin
5	Mythical or legendary being
5	Sculpture
5	Pluto or Hades, Dis Pater, and Orcus
5	Glassware
5	Lattice
5	Built work
5	Battle
5	Bread
5	Maenad or Bacchante
5	Proserpina, Persephone or Core, and Libera
5	Alcestis
5	Globe
5	Star
5	Charioteer
4	Parakeet
4	Parrot
4	Trellis
4	Cat
4	Egg and dart
4	Minerva or (Pallas) Athena
4	Portrait
4	Orthostat
4	Cornucopia or horn of plenty
4	Ladder
4	Food
4	Isocephaly
4	Mirror
4	Stretched-fabric
4	Ganymede
4	Nymph
4	Chi-rho
4	Palmette
4	Aulos
4	Musician
4	Priest
4	Painting
3	Eagle
3	Pigeon
3	Rock partridge
3	Songbird
3	Baptism
3	Procession
3	Religious ceremony
3	Stola
3	Elysium
3	Eel
3	Lobster
3	Mithras
3	Ibex
3	Clio
3	Erato
3	Melpomene
3	Polyhymnia
3	Terpsichore
3	Thalia
3	Urania
3	Diana or Artemis
3	Running
3	Perseus
3	Statue
3	Animal
3	Catacomb

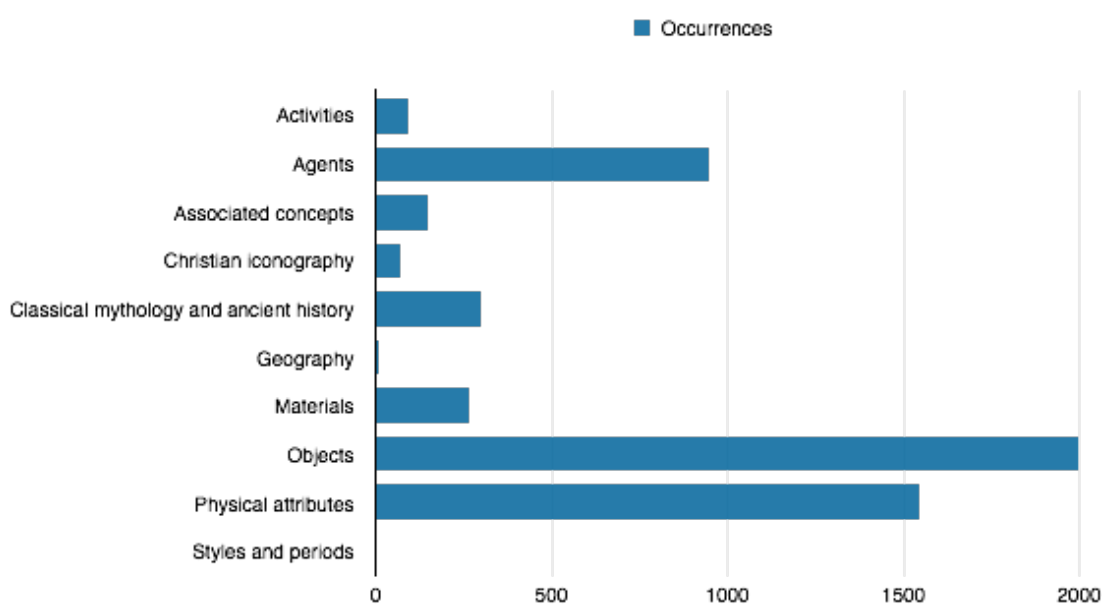
3	Grave
3	Villa
3	Abraham
3	Jonah
3	Lazarus
3	Samson
3	Achilles
3	Faux marbre
3	Wax tablet
3	Cross
3	Equestrian
3	Fishing
3	Visual work
2	Thyrsus
2	Dove
2	Duck
2	European bee-eater
2	Heron
2	Octopus
2	Shellfish
2	Isis
2	Pomegranate
2	Chest
2	Lighting device
2	Calliope
2	Apollo or Phoebus
2	Jupiter or Zeus
2	Andromeda
2	Herm
2	Egypt
2	Chilon
2	Coconut palm tree
2	Achilles on Scyros
2	Cerberus
2	Balustrade
2	Corinthian
2	Doorway
2	Niche
2	Stair
2	Wall
2	Religious structure
2	Temple
2	Job
2	Magi
2	Paralytic man
2	Peter
2	Philistines
2	Samaritan woman
2	Socrates
2	Moon
2	Centaur
2	Nereid
2	Nike
2	Water
2	Priapus
2	Admetus
2	Ariadne
2	Paris or Alexander
2	Orpheus
2	Ancient Greek
2	Figure- and animal-derived
2	Zodiac symbol
2	Kithara
2	Musical instrument
2	Tambourine
2	Prometheus
2	Dwarf or Pygmy
2	Girl
2	Gladiator
2	Spectator
2	Symplegma or sex acts
2	Comedy
2	Tragedy
2	Caricature
1	Petasis
1	Phalera
1	Wine

1	Anatidae
1	Chicken
1	European honey buzzard
1	Goose
1	Rock pigeon
1	White-throated Robin
1	Garden of the Hesperides
1	Hades
1	Half
1	Mullet
1	Shrimp
1	Wrasse or Lippfisch
1	Bel
1	Foreign deity
1	Harpocrates
1	Osiris
1	Edible fig
1	Cupboard
1	Stripe
1	Hexagon
1	Triangle
1	Bull
1	Fox
1	Gazelle
1	Rabbit
1	Squirrel
1	Perikeiromene
1	Sikyonioi
1	Scylla and Charybdis
1	Siren
1	Euterpe
1	Ceres or Demeter
1	Juno or Hera
1	Fortuna
1	Inhabited scroll
1	Philoctetes
1	Hecate
1	Acroterion
1	Atlas
1	Caryatid
1	Ceiling
1	Corbel
1	Iasos
1	Bud
1	Building site
1	Cemetery
1	Apartment house
1	Commercial building
1	Funerary structure
1	Terrace house
1	Theater
1	Tomb
1	Adam and Eve
1	Daniel
1	Elias
1	Elijah
1	Noah
1	Sappho
1	Barrel
1	Birdcage
1	Equipment
1	Gymnastic equipment
1	Trowel
1	Meeting
1	Symposium
1	Sun
1	Aesculapius or Asclepius
1	Helios
1	Pan
1	Helen
1	Hero
1	Heroine
1	Iphigenia
1	Medea
1	Menelaus
1	Orestes
1	Tantalus

1	Ulysses
1	Dioscuri
1	Oedipus
1	Wanderings of Ulysses
1	Vexillum or military standard
1	Building brick
1	Metal
1	Acanthus
1	Dot
1	Pilaster strip or lisene
1	Cyclops
1	Titan
1	Floral
1	Wave
1	Actor
1	Athlete
1	Painter
1	Ball game
1	Drinking
1	Honeysuckle
1	Reed
1	Rose
1	Opus tessellatum
1	Bona Dea
1	Fountain
1	Genii
1	Romano-Egyptian
1	Ship
1	Family relationship
1	Objects
1	Zoomorphic

III. 1 The annotated visual features linked to the Poporowapa items, on the level of the ontology root nodes.

Ontology root nodes	Occurrences	Percentage	Amount of nodes	Average per node
Activities	94	2%	17	6
Agents	949	18%	82	12
Associated concepts	149	3%	12	12
Christian iconography	69	1%	18	4
Classical mythology and ancient history	299	6%	90	3
Geography	6	0%	4	2
Materials	265	5%	16	17
Objects	1996	37%	128	16
Physical attributes	1544	29%	44	35
Styles and periods	1	0%	1	1
ALL	5372	100%	412	13



III. 2 The annotated visual features linked to the Poporowapa items, on the level of groups of ontology nodes.

Visual feature	Occurrences	Percentage
Pattern & motif	1035	19%
Visual work	863	16%
Motif	808	15%
Figure	520	10%
Ornament area	478	9%
Animal	444	8%
Person	414	7%
Costume	339	6%
Architectural element	318	6%
Classical mythology and ancient history	299	6%
Pattern	227	4%
Geometric	217	4%
Bird	213	4%
Clothing	204	4%
Gods	195	4%
Container	171	3%
Inorganic material	135	3%
Mammal	121	2%
Vessel	118	2%
Accessory	101	2%
Plant	90	2%
Scrollwork	89	2%
Christian iconography	69	1%
Fish or sea creature	64	1%
Furnishing	64	1%
Biological material	61	1%
Allover pattern	60	1%
Event	56	1%
Built context	46	1%
Furniture	41	1%
Built work	41	1%
Food	39	1%
Equipment	37	1%
Ceremony	36	1%
Olympian gods	36	1%
Roman deity	35	1%
Tree	34	1%
Vehicle	32	1%
Muses	31	1%
Weapon	31	1%
Mythical or legendary being	30	1%
Biological component	30	1%
Armor	29	1%
Fruit	29	1%
Musical instrument	26	0%
Information artefact	24	0%
Personification	23	0%
Greek hero(ine)	23	0%
Physical activity	23	0%
Greek heroic legend	22	0%
Language-related	15	0%
Process or technique	15	0%
Garden	13	0%
Reptile	13	0%
Monster	12	0%
Portrait	12	0%
Formal concepts	11	0%
Sculpture	10	0%
Foreign deity	9	0%
Lighting device	8	0%
Gods of the underworld	8	0%
Classical history	7	0%
Dwelling	5	0%
Built complex	5	0%
Myth about creation	4	0%
Theater-related	4	0%
Trojan war	3	0%
Extraterrestrial	3	0%

Red Sea
Roman provincial style
ALL

2	0%
1	0%
5372	100%

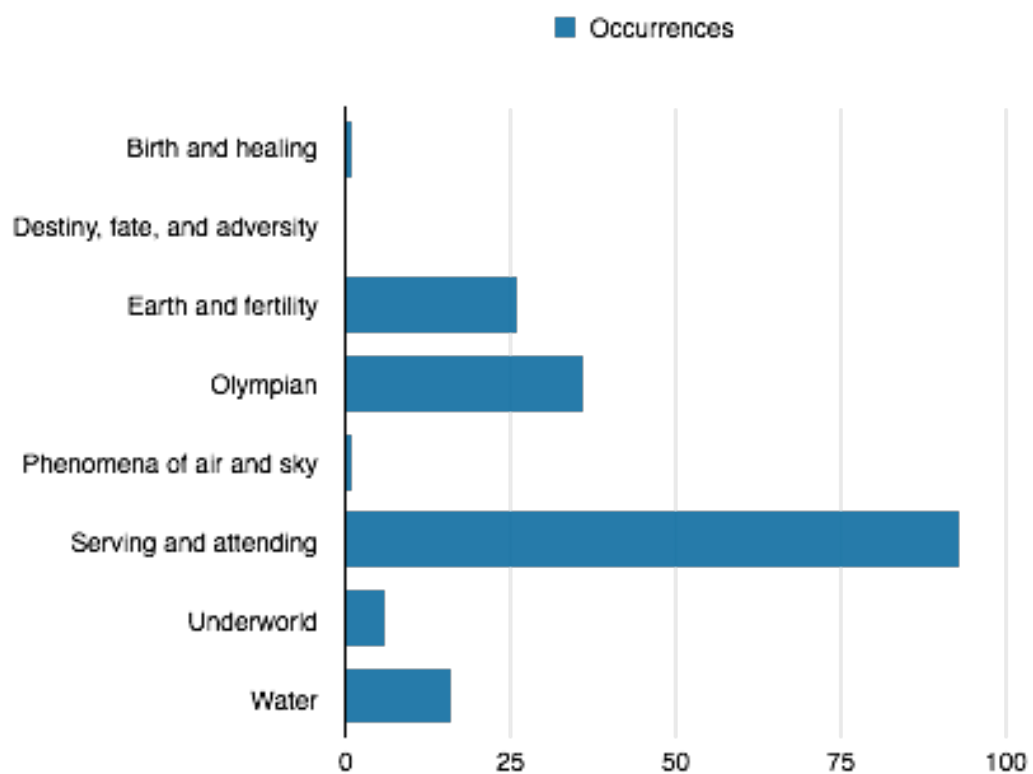
III. 3 The occurrences of visual features that originate from the ontology root node *Classical mythology and ancient history.*

Occurrences	Visual feature	Sub category	Main category
48	Cupid, Amor, or Eros	Serving and attending	Gods
16	Victoria	Personification of an abstract concept	Roman deity
10	Gorgon	Water	Gods
9	Bacchus or Dionysus	Olympian	Gods
9	Hercules or Heracles		Greek heroic legend
8	Mercury or Hermes	Olympian	Gods
8	Hours or Horae, and Seasons	Serving and attending	Gods
8	Gods		Gods
7	Satyr, faun, and Silenus	Earth and fertility	Gods
7	Muses	Serving and attending	Gods
6	Pegasus	Dwelling of the gods	Gods
6	Venus or Aphrodite	Olympian	Gods
6	Personification of an abstract concept	Personification of an abstract concept	Roman deity
6	Classical mythology and ancient history		
5	Maenad or Bacchante	Earth and fertility	Gods
5	Proserpina, Persephone or Core, and Libera	Earth and fertility	Gods
5	Pluto or Hades, Dis Pater, and Orcus	Underworld	Gods
5	Alcestis		Greek hero(ine)
4	Nymph	Earth and fertility	Gods
4	Minerva or (Pallas) Athena	Olympian	Gods
4	Ganymede	Serving and attending	Gods
3	Mithras	Foreign deity	Roman deity
3	Diana or Artemis	Olympian	Gods
3	Clio	Serving and attending	Gods
3	Erato	Serving and attending	Gods
3	Melpomene	Serving and attending	Gods
3	Polyhymnia	Serving and attending	Gods
3	Terpsichore	Serving and attending	Gods
3	Thalia	Serving and attending	Gods
3	Urania	Serving and attending	Gods
3	Elysium	Underworld	Dwelling of the gods
3	Achilles		Greek hero(ine)
3	Perseus		Greek heroic legend
2	Cerberus	Dwelling of the gods	Gods
2	Centaur	Earth and fertility	Gods
2	Priapus	Earth and fertility	Gods
2	Isis	Foreign deity	Roman deity
2	Apollo or Phoebus	Olympian	Gods
2	Jupiter or Zeus	Olympian	Gods
2	Prometheus	Origin of man	myth about creation
2	Andromeda	Perseus	Greek heroic legend
2	Calliope	Serving and attending	Gods
2	Nike	Serving and attending	Gods
2	Chilon	Seven sages	Classical history

2	Achilles on Scyros	Trojan war	Greek heroic legend
2	Nereid	Water	Gods
2	Water	Water	Gods
2	Socrates		Classical history
2	Admetus		Greek hero(ine)
2	Ariadne		Greek hero(ine)
2	Paris or Alexander		Greek hero(ine)
2	Orpheus		Greek heroic legend
2	Thyrsus		Bacchus or Dionysus
1	Aesculapius or Asclepius	Birth and healing	Gods
1	Pan	Earth and fertility	Gods
1	Bel	Foreign deity	Roman deity
1	Foreign deity	Foreign deity	Roman deity
1	Harpocrates	Foreign deity	Roman deity
1	Osiris	Foreign deity	Roman deity
1	Perikeiromene	Menander	Classical history
1	Sikyonioi	Menander	Classical history
1	Ceres or Demeter	Olympian	Gods
1	Juno or Hera	Olympian	Gods
1	Fortuna	Personification of an abstract concept	Roman deity
1	Helios	Phenomena of air and sky	Gods
1	Euterpe	Serving and attending	Gods
1	Philoctetes	Trojan war	Greek heroic legend
1	Hecate	Underworld	Gods
1	Hades	Underworld	Dwelling of the gods
1	Scylla and Charybdis	Water	Gods
1	Siren	Water	Gods
1	Sappho		Classical history
1	Helen		Greek hero(ine)
1	Hero		Greek hero(ine)
1	Heroine		Greek hero(ine)
1	Iphigenia		Greek hero(ine)
1	Medea		Greek hero(ine)
1	Menelaus		Greek hero(ine)
1	Orestes		Greek hero(ine)
1	Tantalus		Greek hero(ine)
1	Ulysses		Greek hero(ine)
1	Dioscuri		Greek heroic legend
1	Oedipus		Greek heroic legend
1	Wanderings of Ulysses		Greek heroic legend
1	Cyclops		myth about creation
1	Titan		myth about creation
1	Bona Dea		Roman deity
1	Fountain		Roman deity
1	Genii		Roman deity
1	Garden of the Hesperides		Dwelling of the gods

III. 4 The occurrences of groups of visual features that originate from the ontology node *Gods*.

Gods	Occurrences	Percentage
Birth and healing	1	1%
Destiny, fate, and adversity	0	0%
Earth and fertility	26	14%
Olympian	36	20%
Phenomena of air and sky	1	1%
Serving and attending	93	52%
Underworld	6	3%
Water	16	9%
ALL	179	100%



Appendix X:

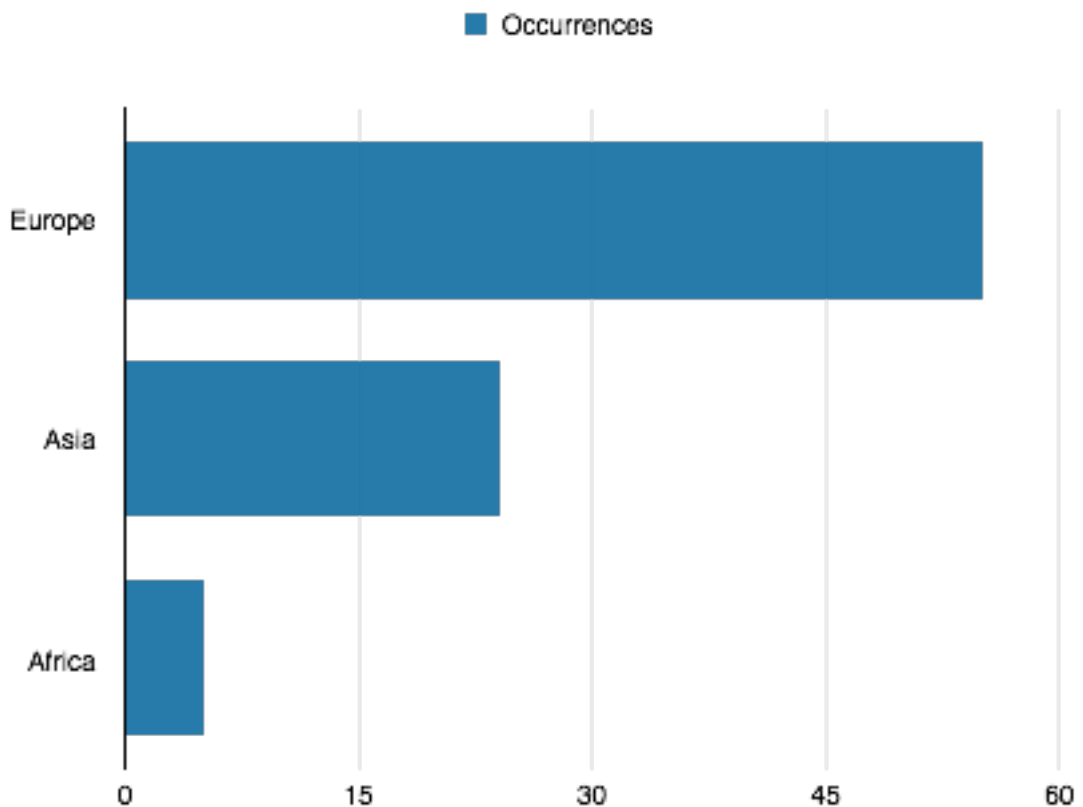
The Middle Empire

III. 1 The locations of origin of the Poporowapa items linked to a funerary *Building type* (i.e. *Burial cave, Catacomb, Cemetery, Columbarium, Funerary structure, Grave, Mausoleum, Necropolis, Tomb*), dating before AD 250.

Dating	Origin
88	Minusio
100	Alexandria
105	Caivano
105	Caivano
105	Irbid
108	Rome
108	Rome
108	Rome
115	Ephesus
123	Ostia
128	Caivano
128	Hermoupolis
	Egypt
128	Osita
128	Porto
128	Rome
128	Rome
128	Rome
128	Rome
128	Vatican
	Necropolis
144	Rome
150	Ephesus
150	Ephesus
150	Ephesus
150	Ephesus
150	Ostia
150	Palmyra
150	Palmyra
150	Rome
150	Rome
150	Tyros
162	Porto
162	Porto
162	Tyre
165	Ostia
166	Rome
166	Rome
170	Rome
170	Vatican
	Necropolis
175	Alexandria
175	Alexandria
175	Alexandria
175	Kerch
175	Kerch
175	Kerch
175	Kerch
175	Rome
190	Osita
196	Ostia
196	Ostia
198	Rome
198	Rome
200	Cumes
200	Ephesus
200	Ephesus

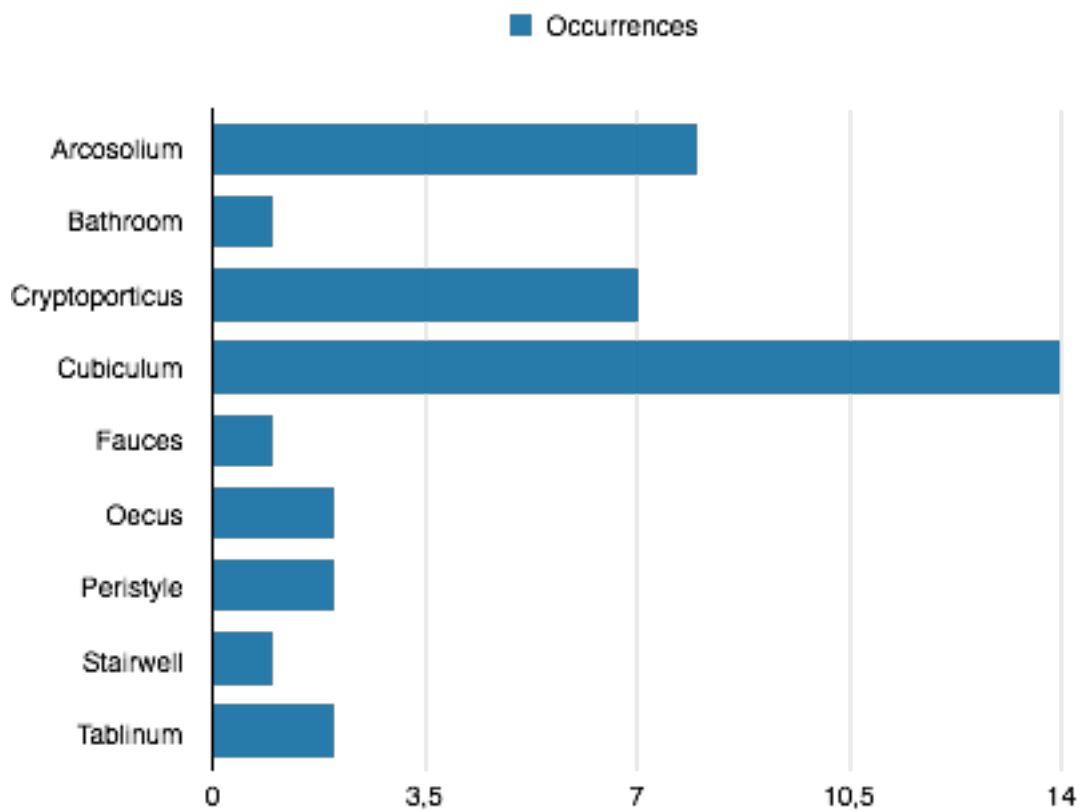
200	Ephesus
200	Ephesus
200	Ephesus
200	Ephesus
200	Kerch
200	Marsala
200	Osita
200	Ostia
205	Constanta
205	Constanta
205	Ostia
210	Rome
214	Rome
220	Rome
225	Ephesus
225	Ephesus
225	Ephesus
225	Ephesus
225	Ostia
225	Ostia
225	Rome
225	Rome
235	Rome
237	Anapa Russia
237	Bet Guvrin
238	Rome
238	Rome
240	Rome
245	Anamur
245	Rome

Continent	Occurrences	Percentage
Europe	55	65%
Asia	24	29%
Africa	5	6%
ALL	84	100%



III. 2 Room types of the Poporowapa items linked to the field colour *White*.

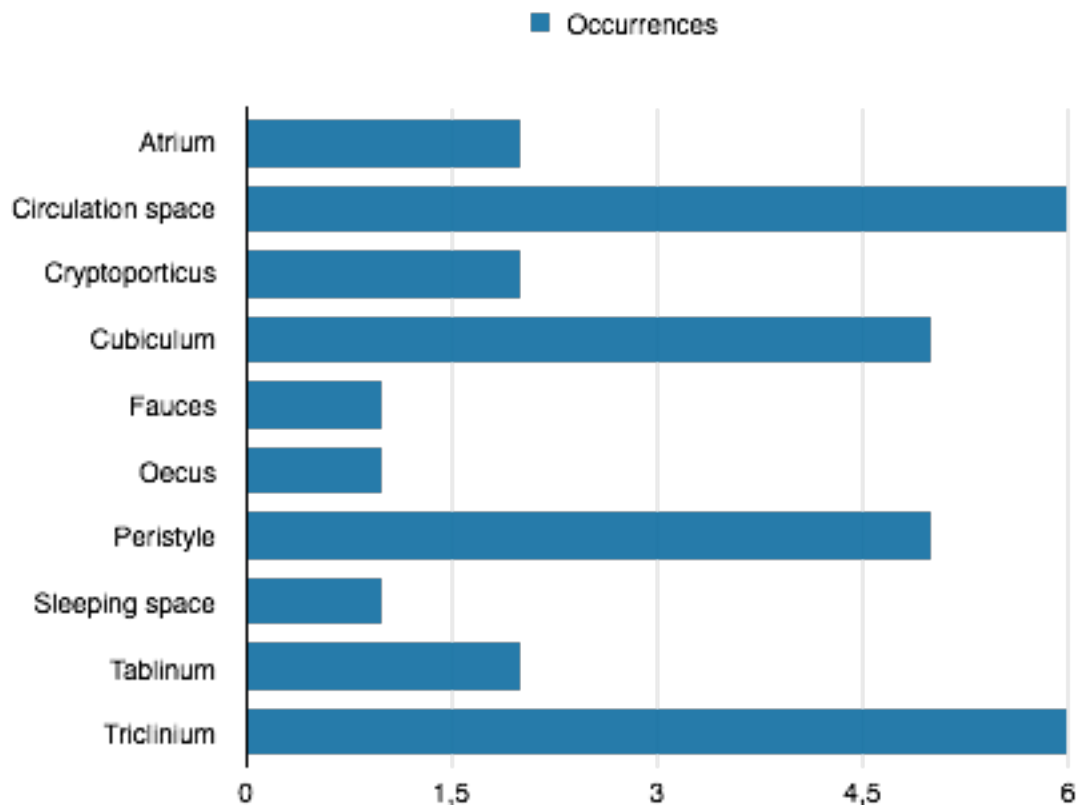
Room type	Occurrences	Percentage
Arcosolium	8	21%
Bathroom	1	3%
Cryptoporticus	7	18%
Cubiculum	14	37%
Fauces	1	3%
Oecus	2	5%
Peristyle	2	5%
Stairwell	1	3%
Tablinum	2	5%
ALL	38	100%



III. 3 Room types of the Poporowapa items linked to the visual features

Architectural fantasy.

Room type	Occurrences	Percentage
Atrium	2	7%
Circulation space	6	19%
Cryptoporticus	2	7%
Cubiculum	5	16%
Fauces	1	3%
Oecus	1	3%
Peristyle	5	16%
Sleeping space	1	3%
Tablinum	2	7%
Triclinium	6	19%
ALL	31	100%



III. 4 Building types of the Poporowapa items linked to the groups of visual features that originate from the ontology node *Gods*.

Birth and healing:

Building type	Occurrences
Residential	1
Funerary	
Institutional	
Religious	
Commercial	
Transportation	
Military	

Destiny, fate, and adversity:

Building type	Occurrences
Residential	
Funerary	
Institutional	
Religious	
Commercial	
Transportation	
Military	

Earth and fertility:

Building type	Occurrences
Residential	14
Funerary	6
Institutional	2
Religious	
Commercial	
Transportation	
Military	

Olympian:

Building type	Occurrences
Residential	16
Funerary	7
Institutional	1
Religious	2
Commercial	2
Transportation	
Military	

Phenomena of air and sky:

Building type	Occurrences
Residential	
Funerary	1
Institutional	
Religious	
Commercial	

Transportation	
Military	

Serving and attending:

Building type	Occurrences
Residential	68
Funerary	17
Institutional	
Religious	1
Commercial	1
Transportation	
Military	1

Underworld:

Building type	Occurrences
Residential	
Funerary	6
Institutional	
Religious	
Commercial	
Transportation	
Military	

Water:

Building type	Occurrences
Residential	10
Funerary	2
Institutional	1
Religious	1
Commercial	1
Transportation	
Military	

ALL:

Building type	Occurrences
Residential	109
Funerary	39
Institutional	4
Religious	4
Commercial	4
Transportation	0
Military	1

III. 5 The room and building types of the painted aquaria included in the Poporowapa dataset, linking *Fish or sea creature* to the field colour *Blue*.

Item id	Origin	Room type	Building type	Dating
9	Rome		Public bath	169
222	Munsingen			250
	Konolfingen			
223	Munsingen			250
	Konolfingen			
567	Porto Fluviale (Rome)	Bathroom	Residential structure	123
568	Porto Fluviale (Rome)	Bathroom	Residential structure	123
570	Ostia		Public bath	200
959	Rome		Public bath	135
960	Rome		Public bath	135
961	Rome		Public bath	135
962	Rome		Public bath	135
963	Rome		Public bath	135
966	Ostia		Public bath	135
1186	Ephesus		Terrace house	125
1195	Ephesus		Public bath	237
1236	Ephesus		Terrace house	125

Some of these items actually originate from the same building, or even the same room. Taking this into account, the table was revised, the result of which is displayed below:

Item id	Origin	Room type	Building type	Dating
1186, 1236	Ephesus	?	Terrace house	125
570, 966	Ostia	?	Public bath	128
9, 567, 568, 959, 960, 961, 962, 963	Rome	?	Public bath	130
222, 223	Munsingen Konolfingen	?	?	250
1195	Ephesus	?	Public bath	?

III. 6 Scenes related to the underworld linked to Poporowapa items with a funerary *Building type* (highlighted under ‘Description’ in bold).

Item id	Source	Page number	Origin	Description	Created	Dating	Latlong id
23	Baldassarre2002	298-299	Alexandria	Nekropole Kom el Chougafa grabmalerei in agyptischem und griechischem stil ausschnitt aus den beiden friesen zeichnerische rekonstruktion	2015-05-15 11:49:02	100	7
23	Baldassarre2002	298-299	Alexandria	Nekropole Kom el Chougafa grabmalerei in agyptischem und griechischem stil ausschnitt aus den beiden friesen zeichnerische rekonstruktion	2015-05-15 11:49:02	100	7
23	Baldassarre2002	298-299	Alexandria	Nekropole Kom el Chougafa grabmalerei in agyptischem und griechischem stil ausschnitt aus den beiden friesen zeichnerische rekonstruktion	2015-05-15 11:49:02	100	7
46	Baldassarre2002	321	Ostia	nekropole an der Via Laurentina grab 34 grab der Caecilii raub der Persephone Rome Vatican Monumenti Musei e Gallerie Pontificie Museo Gregoriano Profano also in Mielsch 2001 160	2015-05-15 11:49:02	196	177
46	Baldassarre2002	321	Ostia	nekropole an der Via Laurentina grab 34 grab der Caecilii raub der Persephone Rome Vatican Monumenti Musei e Gallerie Pontificie Museo Gregoriano Profano also in Mielsch 2001 160	2015-05-15 11:49:02	196	177
90	Baldassarre2002	356	Ostia	columbarium 33 des Decimus Follus Mela Orpheus und Eurydike Rome Vatican Monumenti Musei e Gallerie Pontificie Museo Gregoriano Profano	2015-05-15 11:49:02	250	177
90	Baldassarre2002	356	Ostia	columbarium 33 des Decimus Follus Mela Orpheus und Eurydike Rome Vatican Monumenti Musei e Gallerie Pontificie Museo Gregoriano Profano	2015-05-15 11:49:02	250	177
89	Baldassarre2002	355	Rome	via Trionfale hypogaum der gens Octavia Hermes und Kinder im Elysium Rome Museo Nazionale Romano	2015-05-15 11:49:02	225	179
89	Baldassarre2002	355	Rome	via Trionfale hypogaum der gens Octavia Hermes und Kinder im	2015-05-15 11:49:02	225	179

41	Baldassarre2002	315	Rome	Elysium Rome Museo Nazionale Romano Via Portuense felsengrab rechte wand allegorie der elysischen gefilde Rome Museo Nazionale Romano	2015-05-15 11:49:02	150	179
112	Baldassarre2002	379	Rome	hypogaum an der Via Dino Compagni cubiculum N lunette Herakles fuhr Alkestis aus dem Hades zuruck	2015-05-15 11:49:02	335	179
341	FinkAsamer1997	24	Rome	katakombe an der Via Latina kammer N Herakles der bezwinger des Kerberos fuhr Alkestis aus der Unterwelt ins leben zuruck	2015-05-15 11:49:02	320	179
341	FinkAsamer1997	24	Rome	katakombe an der Via Latina kammer N Herakles der bezwinger des Kerberos fuhr Alkestis aus der Unterwelt ins leben zuruck	2015-05-15 11:49:02	320	179
590	Ling1991	183	Tyre	Hermes leading the chariot of Pluto tomb near Tyre back wall third quarter 2nd century AD Beirut National Museum	2015-05-15 11:49:03	162	54
660	Mielsch2001	134	Rome	katakombe der vibia einfuhrung ins elysium wand	2015-05-15 11:49:03	335	179
661	Mielsch2001	134	Rome	katakombe der vibia totengericht decke	2015-05-15 11:49:03	335	179
661	Mielsch2001	134	Rome	katakombe der vibia totengericht decke	2015-05-15 11:49:03	335	179

III. 7 The room and building types of the Poporowapa items linked to the ontology nodes *Hunting*, *Bacchus or Dionysus*, and *Maenad or Bacchante*.

Occurrences	Room type	Building type
1		Necropolis
1		
1		
1		
1		Nymphaeum
1	Frigidarium	Public bath
1	Peristyle	Public bath
1		Residential structure
1		Residential structure
1		Residential structure
1		Residential structure
1	Tablinum	Residential structure
1		Residential structure
1		Taberna
1		Terrace house
1		Terrace house
1	Peristyle	Terrace house
1		Terrace house
1		Tomb
1	Oecus	Villa
1	Cryptoporticus	Villa
1	Circulation space	Villa
1		Villa

Building type	Occurrences	Percentage
Commercial	1	4%
Funerary	2	9%
Institutional	2	9%
Religious	1	4%
Residential	14	61%
Unknown	3	13%
ALL	23	100%

Appendix XI:

The Late Empire

III. 1 Building types of the Poporowapa items linked to the visual feature *Line*.

Building type	Occurrences	Percentage
Residential	50	61%
Funerary	24	30%
Institutional	2	2%
Religious	2	2%
Commercial	4	5%
Transportation	0	0%
Military	0	0%
ALL	82	100%

III. 2 Building types of the Poporowapa items linked to the visual features that originate from the ontology root node *Christian iconography*.

Building type	Occurrences	Percentage
Residential	0	0%
Funerary	60	100%
Institutional	0	0%
Religious	0	0%
Commercial	0	0%
Transportation	0	0%
Military	0	0%
ALL	60	100%

III. 3 Surface types of the Poporowapa items linked to the visual feature *Hours or Horae, and Seasons*.

Item id	Surface	Source	Page number	Origin	Description	Created	Dating	Latlong id
400	Wall	FinkAsamer1997	64	Rome	priscilla katakombe capella graeca jahreszeitenkopf	2015-05-15 11:49:02	320	179
443	Lunette	Joyce1981	L-86	Vatican Necropolis	tomb B lunette	2015-05-15 11:49:02	128	181
445	Ceiling	Joyce1981	LI-88	Osita	isola sacra tomb 143 vault	2015-05-15 11:49:02	190	177
446	Ceiling	Joyce1981	LII-89	Osita	isola sacra tomb 57 vault	2015-05-15 11:49:02	200	177
493	Ceiling	Joyce1981	XLIX-83	Ostia	Isola sacra tomb 55 vault	2015-05-15 11:49:03	165	177
635	Ceiling	Mielsch2001	115-116	Rome	Lucina gruft kammer Y decke detail	2015-05-15 11:49:03	198	179
638	Wall	Mielsch2001	117	Rome	Callisto catacomb A5 wall detail	2015-05-15 11:49:03	245	179
641	Ceiling	Mielsch2001	118	Rome	villa piccola unter S Sebastiano decke	2015-05-15 11:49:03	240	179

III. 4 The Poporowapa items annotated with the visual feature *Allover* pattern, consisting of vegetal and floral elements.

Item id	Image	Created	Dating	Latlong id	Surface
28	data/Baldassarre2002/303_Rome_columbarium-1-an-der-Via-Taranto-gewolbe.jpg	2015-05-15 11:49:02	108	179	Ceiling
97	data/Baldassarre2002/365_Silistra_kammergrab-gewolbe.jpg	2015-05-15 11:49:02	350	104	Ceiling
116	data/DaveyLing1982/103_Collingham_3rd-or-4th-AD-villa-bath-building-ceiling-.jpg	2015-05-15 11:49:02	300	350	Ceiling
125	data/DaveyLing1982/118-119_Gadebridge_late-antoninevilla-second-half-2nd-AD-now-in-Verulamium-Museum-ceiling.jpg	2015-05-15 11:49:02	175	316	Ceiling
161	data/DaveyLing1982/177_Verulamium_c-180-AD-insula-XXI-building-2-courtyard-house-now-in-British-Museum-celing-barley-stark-pattern-corridor-room-3.jpg	2015-05-15 11:49:02	180	317	Ceiling
173	data/DaveyLing1982/199_Witcombe_3rd-or-4th-AD-villa-now-in-London-ceiling.jpg	2015-05-15 11:49:02	300	309	Ceiling
174	data/DaveyLing1982/202-203_Wroxeter_insula-V-baths-150-200-or-3rd-AD-ceiling-caldarium.jpg	2015-05-15 11:49:02	225	341	Ceiling
190	data/DaveyLing1982/59-132-133_Leicester_late-2nd-or-3rd-AD-ceiling-drawing-market-hall-insula-XVI.jpg	2015-05-15 11:49:02	245	319	Ceiling
262	data/Drack1986/30_Riom-Parsonz_rekonstruktionsversuch-kreisdekors-rotem-grund-zeichnung-70-100-AD.jpg	2015-05-15 11:49:02	85	267	Wall
263	data/Drack1986/31_Riom-Parsonz_rekonstruktionsversuch-kreisdekors-weissem-grund-zeichnung-70-100-AD.jpg	2015-05-15 11:49:02	85	267	Wall
287	data/Drack1986/57_Holstein_rekonstruktion-sockelbemaltung-inkrustations-imitation-und-daruber-kreuzblumenrapport-zeichnung-190-250-AD.jpg	2015-05-15 11:49:02	220	260	Wall
290	data/Drack1986/59_Bosingen_teile-kreuzblumenrapport-deckenmalerei-190-250-AD.jpg	2015-05-15 11:49:02	220	264	Ceiling
304	data/Drack1986/T13_Avenches_insula-7-deckenmalerei-kreuzblutenrapport-imitation-kassetten-stuckdecke-190-250-AD.jpg	2015-05-15 11:49:02	220	281	Ceiling
305	data/Drack1986/T14_Avenches_insula-7-fragmente-deckenmalerei-tapetenhaftem-netzwerk-190-250-AD.jpg	2015-05-15 11:49:02	220	281	Ceiling
309	data/Drack1986/T14_Martigny_westlich-insula-1-wand-oder-decken-tapetenhaften-netzwerk-ausschnitt-190-250-AD.jpg	2015-05-15 11:49:02	220	279	Ceiling
383	data/FinkAsamer1997/53_Rome_katakombe-an-der-Via-Latina-grabnische-in-Saal-J-vault.jpg	2015-05-15 11:49:02	320	179	Ceiling
491	data/Joyce1981/XLIII-72_Tor-de-Schiavi_villa-gordianorum-octagonal-hall-niche-vaults.jpg	2015-05-15 11:49:03	275	179	Ceiling
495	data/Joyce1981/XLVI-77_Ostia_theater-vault.jpg	2015-05-15 11:49:03	185	177	Ceiling
601	data/Ling1991/190_Abila-Jordan_tomb-Q-ceiling-third-or-early-4th-century-AD.jpg	2015-05-15 11:49:03	255	49	Ceiling
602	data/Ling1991/190_Boslingen-Fribourg-Switzerland_fragments-ceiling-plaster-villa-end-of-2nd-or-beginnong-of-3rd-century-AD.jpg	2015-05-15 11:49:03	200	264	Ceiling
604	data/Ling1991/192_Avenches_fragments-wall-or-ceiling-plaster-house-in-block-7-beginning-3rd-century-AD-Roman-Museum.jpg	2015-05-15 11:49:03	205	281	Wall,Ceiling
715	data/Zimmermann2014/CCII_Ephesus_harbor-necropolis-tomb-with-stylized-paradise-garden-general-view-and-detail-of-flowers.jpg	2015-05-15 11:49:03	350	82	Ceiling
720	data/Zimmermann2014/CII_Carthago-Nova_Edificio-del-Atrio-restituciones-de-los-techos-de-fondo-blanco.jpg	2015-05-15 11:49:03	150	240	Ceiling
724	data/Zimmermann2014/CII_Sisapo_Domus-de-las-Columnas-Rojas-restituciones-de-los-techos-de-fondo-blanco.jpg	2015-05-15 11:49:03	150	228	Ceiling
725	data/Zimmermann2014/CII_Valencia_Somus-de-Terpiscore-restituciones-de-los-techos-de-fondo-blanco.jpg	2015-05-15 11:49:03	150	248	Ceiling
748	data/Zimmermann2014/CLXII_Carnuntum_red-	2015-05-15	283	97	Ceiling

	coffer-of-the-coffered-ceiling-imitation-with-yellow-brownish-rosette-and-reconstruction-of-coffered-ceiling-imitation-of-room-81.jpg	11:49:03			
830	data/Zimmermann2014/CXXVI_Amheida_B1-R1-east-wall-with-detail-Polis-and-procession-of-Gods-fragments-Satyr-Nymph.jpg	2015-05-15 11:49:03	330	11	Wall
833	data/Zimmermann2014/CXXVII_Amheida_B1-R11-detail-of-interlocking-circle-motif-also-found-at-Kellis.jpg	2015-05-15 11:49:03	330	11	Wall
836	data/Zimmermann2014/CXXXI_Hanita_peacock-within-vine-trellises-first-panel-on-the-western-wall.jpg	2015-05-15 11:49:03	250	43	Wall
876	data/Zimmermann2014/LVII_Aquileia_basilica-porzioe-del-sistema-decorativo-del-soffitto-dell-aula-sud.jpg	2015-05-15 11:49:03	275	172	Ceiling
881	data/Zimmermann2014/LXI_Pergamum_peristylhaus-III-westlich-der-unteren-agora-raum-5-tapeten-dekoration.jpg	2015-05-15 11:49:03	200	81	Wall
1029	data/Liedtke2003/109_Rome_domus-bei-stazione-raum-15-decke.jpg	2015-05-20 10:43:48	155	179	Ceiling
1361	data/Strocka1977/27_Ephesus_h1-SR2-decke.jpg	2015-05-20 10:43:48	390	82	Ceiling
1387	data/Strocka1977/349_Ephesus_h2-12-decke.jpg	2015-05-20 10:43:48	238	82	Ceiling

Surface	Occurrences	Percentage
Ceiling	26	76%
Wall	8	24%
ALL	34	100%

III. 5 The Poporowapa items annotated with the visual feature *Allover* pattern, consisting of geometric elements.

Item id	Image	Created	Dating	Latlong id	Surface
97	data/Baldassarre2002/365_Silistra_kammergrab-gewolbe.jpg	2015-05-15 11:49:02	350	104	Ceiling
108	data/Baldassarre2002/378_Rome_hypogaum-an-der-Via-Dino-Compagni-cubiculum-N-gewolbe.jpg	2015-05-15 11:49:02	335	179	Ceiling
116	data/DaveyLing1982/103_Collingham_3rd-or-4th-AD-villa-bath-building-ceiling-.jpg	2015-05-15 11:49:02	300	350	Ceiling
144	data/DaveyLing1982/154_Silchester_2nd-AD-insula-XIV-house-1-now-in-Reading-ceiling-patterns-background-reddish-purple-pattern-white-yellow-grey-green.jpg	2015-05-15 11:49:02	150	311	Ceiling
161	data/DaveyLing1982/177_Verulamium_c-180-AD-insula-XXI-building-2-courtyard-house-now-in-British-Museum-celing-barley-stark-pattern-corridor-room-3.jpg	2015-05-15 11:49:02	180	317	Ceiling
174	data/DaveyLing1982/202-203_Wroxeter_insula-V-baths-150-200-or-3rd-AD-ceiling-caldarium.jpg	2015-05-15 11:49:02	225	341	Ceiling
200	data/DaveyLing1982/88_Brantingham_middle-or-2nd-half-3rd-AD-villa-now-in-Hull-wheel-like-motifs-ceiling.jpg	2015-05-15 11:49:02	270	301	Ceiling
287	data/Drack1986/57_Holstein_rekonstruktion-sockelbemaltung-inkrustations-imitation-und-daruber-kreuzblumenrapport-zeichnung-190-250-AD.jpg	2015-05-15 11:49:02	220	260	Wall
290	data/Drack1986/59_Bosingen_teile-kreuzblumenrapport-deckenmalerei-190-250-AD.jpg	2015-05-15 11:49:02	220	264	Ceiling
294	data/Drack1986/62_Martigny_insula-1-rekonstruktion-tapetenhaften-netzwerkmalerei-190-250-AD.jpg	2015-05-15 11:49:02	220	279	Wall
301	data/Drack1986/T12_Holstein_fragmente-elemente-kreuzblutenrapport-140-190-AD.jpg	2015-05-15 11:49:02	165	260	Wall
304	data/Drack1986/T13_Avenches_insula-7-deckenmalerei-kreuzblutenrapport-imitation-kassetten-stuckdecke-190-250-AD.jpg	2015-05-15 11:49:02	220	281	Ceiling
305	data/Drack1986/T14_Avenches_insula-7-fragmente-deckenmalerei-tapetenhaftem-netzwerk-190-250-AD.jpg	2015-05-15 11:49:02	220	281	Ceiling
309	data/Drack1986/T14_Martigny_westlich-insula-1-wand-oder-decken-tapetenhaften-netzwerk-ausschnitt-190-250-AD.jpg	2015-05-15 11:49:02	220	279	Ceiling
449	data/Joyce1981/LIII-92_Vatican-Necropolis_tomb-I-ceiling.jpg	2015-05-15 11:49:02	170	181	Ceiling
487	data/Joyce1981/XL-66_Tivoli_Hadrians-villa-Serapeum-vault.jpg	2015-05-15 11:49:03	128	180	Ceiling
491	data/Joyce1981/XLIII-72_Tor-de-Schiavi_villa-gordianorum-octagonal-hall-niche-vaults.jpg	2015-05-15 11:49:03	275	179	Ceiling
492	data/Joyce1981/XLIV-73_Ostia_Isola-sacra-tomb-90-vault.jpg	2015-05-15 11:49:03	123	177	Ceiling
495	data/Joyce1981/XLVI-77_Ostia_theater-vault.jpg	2015-05-15 11:49:03	185	177	Ceiling
601	data/Ling1991/190_Abila-Jordan_tomb-Q-ceiling-third-or-early-4th-century-AD.jpg	2015-05-15 11:49:03	255	49	Ceiling
602	data/Ling1991/190_Boslingen-Fribourg-Switzerland_fragments-ceiling-plaster-villa-end-of-2nd-or-beginnong-of-3rd-century-AD.jpg	2015-05-15 11:49:03	200	264	Ceiling
604	data/Ling1991/192_Avenches_fragments-wall-or-ceiling-plaster-house-in-block-7-beginning-3rd-century-AD-Roman-Museum.jpg	2015-05-15 11:49:03	205	281	Wall,Ceiling
720	data/Zimmermann2014/CII_Carthago-Nova_Edificio-del-Atrio-restituciones-de-los-techos-de-fondo-blanco.jpg	2015-05-15 11:49:03	150	240	Ceiling
721	data/Zimmermann2014/CII_Ilici_-restituciones-de-los-techos-de-fondo-blanco.jpg	2015-05-15 11:49:03	150	223	Ceiling
722	data/Zimmermann2014/CII_Murcia_Villa-de-los-Torrejones-restituciones-de-los-techos-de-fondo-blanco.jpg	2015-05-15 11:49:03	150	241	Ceiling
723	data/Zimmermann2014/CII_Segobriga_casa-de-G-lulius-Silvanus-restituciones-de-los-techos-de-fondo-blanco.jpg	2015-05-15 11:49:03	150	234	Ceiling
731	data/Zimmermann2014/CL_Cremona_ricostruzione-della-stanza-d-apparato-di-via-Cadolini-con-il-soffitto-dipinto-e-il-pavimento-in-opus-sectile-decorazione-a-rete-del-soffitto-da-via-Cadolini.jpg	2015-05-15 11:49:03	200	183	Ceiling
741	data/Zimmermann2014/CLVII_Cartagena_restitucion-	2015-05-15	120	240	Ceiling,Wall

	de-una-zona-superior-o-posible-techo-segn-algunos-fragmentos-hallados-en-el-derrumbe-de-la-habitacion-11-del-Edificio-del-Atrio.jpg	11:49:03			
748	data/Zimmermann2014/CLXII_Carnuntum_red-coffer-of-the-coffered-ceiling-imitation-with-yellow-brownish-rosette-and-reconstruction-of-coffered-ceiling-imitation-of-room-81.jpg	2015-05-15 11:49:03	283	97	Ceiling
829	data/Zimmermann2014/CXXIV_Palmyra_Ganymede-au-centre-de-la-voute-restitution.jpg	2015-05-15 11:49:03	150	63	Ceiling
831	data/Zimmermann2014/CXXVI_Amheida_B1-R1-north-wall-west-side-Perseus-and-Andromeda-circa-1979-east-side-Odysseus-Eurykleia-Penelope.jpg	2015-05-15 11:49:03	330	11	Wall
832	data/Zimmermann2014/CXXVII_Amheida_B1-R1-west-wall-south-end-convivium-scene.jpg	2015-05-15 11:49:03	330	11	Wall
833	data/Zimmermann2014/CXXVII_Amheida_B1-R11-detail-of-interlocking-circle-motif-also-found-at-Kellis.jpg	2015-05-15 11:49:03	330	11	Wall
876	data/Zimmermann2014/LVII_Aquileia_basilica-porzionedel-sistema-decorativo-del-soffitto-dell-aula-sud.jpg	2015-05-15 11:49:03	275	172	Ceiling
943	data/Zimmermann2014/XCV_Carnac_restitution-du-plafond-de-Carnac-et-vue-de-quelques-fragments.jpg	2015-05-15 11:49:03	250	115	Ceiling
944	data/Zimmermann2014/XCVI_Kervenennec_restitution-du-plafond-et-vue-de-quelques-fragments.jpg	2015-05-15 11:49:03	250	118	Ceiling
1021	data/Liedtke2003/102_Rome_s-sebastiano-raum-31.jpg	2015-05-20 10:43:47	214	179	Wall
1165	data/Liedtke2003/99_Ostia_insula-dell-aquila-IV-5-8-wand-1.jpg	2015-05-20 10:43:48	212	177	Wall
1166	data/Liedtke2003/99_Ostia_insula-dell-aquila-IV-5-8-wand-2.jpg	2015-05-20 10:43:48	212	177	Wall
1218	data/LadstatterZimmermann2010/147_Ephesus_grab-14740-tonnengewolbe-ornamentales-motiv.jpg	2015-05-20 10:43:48	150	82	Ceiling
1387	data/Strocka1977/349_Ephesus_h2-12-decke.jpg	2015-05-20 10:43:48	238	82	Ceiling
1429	data/Strocka1977/91_Ephesus_h2-B-decke.jpg	2015-05-20 10:43:49	238	82	Ceiling

Surface	Occurrences	Percentage
Ceiling	32	76%
Wall	10	24%
ALL	42	100%

III. 6 Surface types of the Poporowapa items linked to the field colours *Blue* and *Red*.

Item_id	Blue	Red	Surface
444	Blue	Red	Ceiling
449	Blue	Red	Ceiling
450	Blue	Red	Wall
748	Blue	Red	Ceiling

Appendix XII:

The Fourth Style and beyond

	Item id	Origin	Dating	Amount of links
1	447	Caivano	145	6
2	572	Narbonne	95	6
3	576	Rome	142	6
4	758	Rome	166	6
5	1413	Ephesus	238	6
6	50	Narbonne	150	5
7	55	Sabiratha	150	5
8	192	Leicester	150	5
9	505	Rome	170	5
10	541	Rome	134	5
11	543	Rome	135	5
12	571	Cologne	175	5
13	624	Rome	198	5
14	922	Antandros	275	5
15	968	Ostia	135	5
16	975	Ostia	150	5
17	1030	Rome	155	5
18	1058	Ostia	214	5
19	1066	Ostia	155	5
20	1146	Ostia	180	5
21	1178	Ephesus	238	5
22	1247	Ephesus	238	5
23	21	Rome	195	4
24	27	Caivano	105	4
25	52	Leicester	175	4
26	54	Sabiratha	150	4
27	41	Rome	150	4
28	128	Leicester	150	4
29	355	Rome	320	4
30	378	Rome	320	4
31	531	Rome	135	4
32	542	Rome	134	4
33	548	Tor Marancia	145	4
34	580	Rome	150	4
35	626	Rome	198	4
36	648	Rome	345	4
37	672	Rome	290	4
38	695	Rome	128	4
39	698	Rome	128	4
40	702	Alcala de Henares	150	4
41	964	Ostia	140	4
42	981	Ostia	176	4
43	983	Ostia	130	4
44	984	Ostia	176	4
45	989	Ostia	176	4
46	994	Ostia	150	4
47	1002	Ostia	176	4
48	1010	Ostia	176	4
49	1053	Ostia	166	4
50	1069	Ostia	214	4
51	1110	Ostia	180	4
52	1113	Ostia	180	4
53	1147	Ostia	180	4
54	1148	Ostia	180	4
55	1154	Ostia	155	4
56	1170	Ephesus	238	4
57	1174	Ephesus	238	4
58	1295	Ephesus	238	4
59	1296	Ephesus	238	4
60	1341	Ephesus	238	4
61	1365	Ephesus	238	4
62	1382	Ephesus	238	4
63	578	Ostia	185	4
64	5	Ostia	135	3
65	10	Rome	190	3
66	13	Ostia	190	3
67	20	Rome	195	3

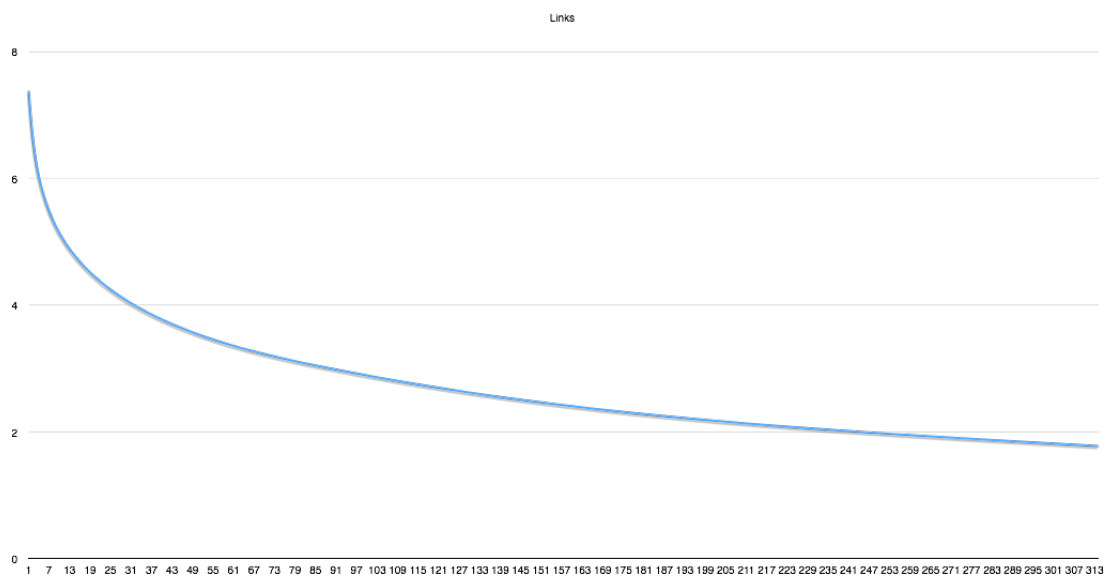
68	26	Caivano	105	3
69	30	Rome	108	3
70	48	Suasa	105	3
71	51	Famars Belgium	155	3
72	69	Zliten	145	3
73	78	Rome	228	3
74	98	Silistra	350	3
75	300	Meikirch	165	3
76	450	Vatican Necropolis	170	3
77	453	Rome	166	3
78	474	Ostia	175	3
79	475	Ostia	176	3
80	527	Rome	220	3
81	549	Ostia	185	3
82	574	Astorga	105	3
83	579	Ostia	185	3
84	586	Ostia	205	3
85	590	Tyre	162	3
86	616	Ostia	166	3
87	623	Rome	198	3
88	684	Caivano	128	3
89	696	Baiae	128	3
90	699	Rome	128	3
91	706	Cordoba	188	3
92	708	Valencia	150	3
93	788	Nimes	75	3
94	792	Suq al Khamis Leptis Magna	150	3
95	821	Rome	195	3
96	924	Antandros	275	3
97	923	Antandros	275	3
98	965	Ostia	140	3
99	967	Ostia	135	3
100	976	Ostia	148	3
101	985	Ostia	176	3
102	1014	Ostia	128	3
103	1015	Ostia	176	3
104	1041	Ostia	166	3
105	1042	Ostia	166	3
106	1043	Ostia	166	3
107	1054	Ostia	166	3
108	1059	Ostia	155	3
109	1062	Ostia	180	3
110	1064	Ostia	214	3
111	1077	Ostia	155	3
112	1080	Ostia	155	3
113	1082	Ostia	128	3
114	1096	Ostia	180	3
115	1097	Ostia	180	3
116	1099	Ostia	180	3
117	1100	Ostia	128	3
118	1095	Ostia	180	3
119	1103	Ostia	180	3
120	1111	Pozzuoli	166	3
121	1114	Ostia	180	3
122	1116	Ostia	180	3
123	1128	Ostia	155	3
124	1130	Ordona	155	3
125	1131	Ordona	155	3
126	1138	Ostia	180	3
127	1145	Ostia	180	3
128	1151	Ostia	155	3
129	1159	Ostia	155	3
130	1179	Ephesus	238	3
131	1180	Ephesus	238	3
132	1281	Ephesus	238	3
133	1300	Ephesus	238	3
134	1333	Ephesus	150	3
135	1346	Ephesus	238	3
136	1348	Ephesus	238	3
137	1363	Ephesus	238	3
138	1373	Ephesus	238	3
139	1384	Ephesus	238	3
140	1414	Ephesus	238	3
141	1418	Ephesus	238	3

142	329	Rome	320	3
143	370	Rome	320	3
144	11	Rome	190	2
145	14	Ostia	180	2
146	15	Ostia	180	2
147	6	Ostia	166	2
148	36	Rome	128	2
149	49	Sausa	200	2
150	68	Este	175	2
151	75	Rome	205	2
152	83	Rome	225	2
153	84	Rome	225	2
154	96	Rome	350	2
155	107	Rome	305	2
156	121	Dover	180	2
157	133	Lullingstone	375	2
158	153	Sparsholt	300	2
159	170	Wigginton	325	2
160	175	York	305	2
161	193	Catterick	150	2
162	217	Laufenburg Germany	120	2
163	239	Augst Liestal	138	2
164	264	Baden	85	2
165	265	Baden	85	2
166	279	Oberweningen	165	2
167	283	Augst	165	2
168	319	Oberwichtrach	85	2
169	343	Rome	320	2
170	344	Rome	320	2
171	354	Rome	320	2
172	391	Rome	320	2
173	405	Rome	320	2
174	426	Rome	320	2
175	444	Osita	128	2
176	451	Rome	238	2
177	477	Ostia	175	2
178	478	Ostia	175	2
179	479	Ostia	175	2
180	488	Tivoli	128	2
181	504	Ostia	160	2
182	500	Rome	166	2
183	519	Rome	175	2
184	537	Tivoli	128	2
185	544	Rome	135	2
186	554	Rome	180	2
187	557	Bolsena	225	2
188	585	Rome	135	2
189	589	Zliten Tripolitania	205	2
190	592	Alexandria	175	2
191	591	Alexandria	175	2
192	606	Rome	250	2
193	618	Ostia	166	2
194	619	Ostia	166	2
195	620	Ostia	166	2
196	632	Rome	198	2
197	635	Rome	198	2
198	641	Rome	240	2
199	646	Baiae	255	2
200	697	Rome	128	2
201	704	Altafulla	165	2
202	732	Livorno	322	2
203	738	Cartagena	120	2
204	764	Rome	200	2
205	790	Leptis Magna	205	2
206	791	Suq al Khamis Al Khums	150	2
207	795	Leptis Magna	192	2
208	797	Ptolemais	250	2
209	798	Ptolemais	250	2
210	802	Augsburg	380	2
211	818	Dura Europos	140	2
212	826	Dura Europos	250	2
213	871	Piazza Armerina	350	2
214	872	Piazza	350	2

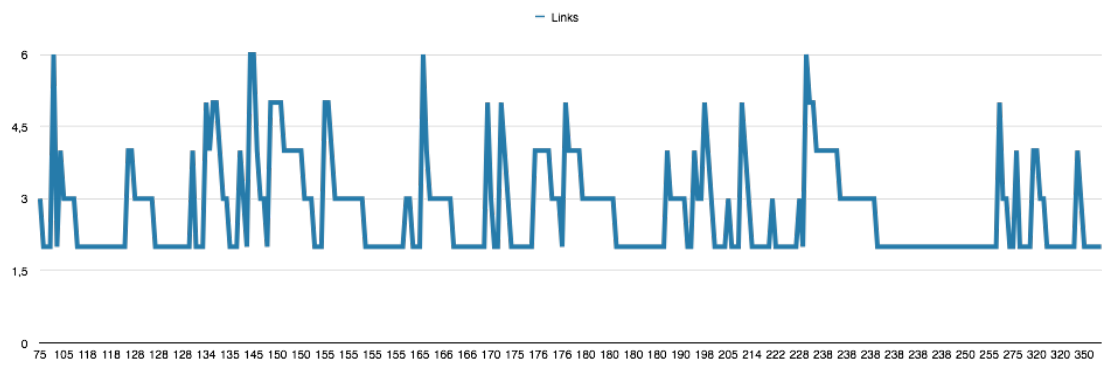
		Armerina		
215	875	Aquileia	275	2
216	876	Aquileia	275	2
217	884	Pergamum	265	2
218	887	lasos	110	2
219	892	lasos	110	2
220	893	lasos	110	2
221	935	Metz	255	2
222	937	Metz	170	2
223	938	Liehon	250	2
224	939	Liehon	250	2
225	969	Ostia	130	2
226	971	Ostia	128	2
227	974	Ostia	130	2
228	986	Ostia	222	2
229	993	Ostia	222	2
230	998	Ostia	148	2
231	999	Ostia	176	2
232	1003	Ostia	172	2
233	1006	Ostia	130	2
234	1008	Ostia	222	2
235	1012	Ostia	222	2
236	1013	Ostia	150	2
237	1018	Ostia	180	2
238	1031	Ostia	180	2
239	1037	Alba Fucens	128	2
240	1045	Ostia	166	2
241	1046	Ostia	166	2
242	1047	Ostia	166	2
243	1048	Ostia	166	2
244	1051	Ostia	166	2
245	1061	Ostia	155	2
246	1071	Ostia	155	2
247	1072	Ostia	155	2
248	1073	Ostia	155	2
249	1076	Ostia	180	2
250	1081	Ostia	155	2
251	1084	Ostia	155	2
252	1087	Ostia	128	2
253	1088	Ostia	155	2
254	1098	Ostia	180	2
255	1104	Ostia	214	2
256	1105	Ostia	180	2
257	1108	Ostia	214	2
258	1112	Ostia	180	2
259	1115	Ostia	180	2
260	1122	Rome	268	2
261	1124	Rome	214	2
262	1127	Rome	180	2
263	1129	Rome	214	2
264	1135	Rome	214	2
265	1142	Ostia	155	2
266	1143	Ostia	155	2
267	1144	Ostia	155	2
268	1152	Ostia	180	2
269	1153	Ostia	214	2
270	1156	Ostia	128	2
271	1157	Ostia	128	2
272	1158	Ostia	128	2
273	1160	Ostia	155	2
274	1164	Ostia	180	2
275	1168	Ostia	180	2
276	1171	Ephesus	238	2
277	1183	Ephesus	238	2
278	1187	Ephesus	238	2
279	1190	Ephesus	118	2
280	1228	Ephesus	395	2
281	1240	Ephesus	118	2
282	1241	Ephesus	238	2
283	1242	Ephesus	118	2
284	1244	Ephesus	238	2
285	1246	Ephesus	118	2
286	1248	Ephesus	118	2
287	1254	Ephesus	238	2
288	1256	Ephesus	238	2
289	1257	Ephesus	238	2
290	1258	Ephesus	238	2

291	1260	Ephesus	238	2
292	1270	Ephesus	238	2
293	1273	Ephesus	238	2
294	1275	Ephesus	238	2
295	1279	Ephesus	238	2
296	1282	Ephesus	238	2
297	1283	Ephesus	238	2
298	1288	Ephesus	300	2
299	1301	Ephesus	238	2
300	1302	Ephesus	238	2
301	1308	Ephesus	118	2
302	1310	Ephesus	118	2
303	1315	Ephesus	118	2
304	1316	Ephesus	118	2
305	1317	Ephesus	118	2
306	1364	Ephesus	238	2
307	1381	Ephesus	238	2
308	1393	Ephesus	237	2
309	1407	Ephesus	238	2
310	1409	Ephesus	238	2
311	1417	Ephesus	238	2
312	1432	Ephesus	238	2
313	387	Rome	320	2
314	63	Bois I Abbe	100	2

III. 1 The declining amount of links for the 314 Poporowapa items linked to two or more visual features associated with the Fourth Style.



III. 2 The dating of the 314 Poporowapa items linked to two or more visual features associated with the Fourth Style.



Appendix XIII:

Centre and periphery?

III. 1 The visual features linked to the Poporowapa items of which the first occurrence could be traced back to Rome and its surroundings, and that later on also occurred outside of this area.

Visual feature	Occurrences
Full-length	331
<i>Flower</i>	144
Line	90
Frieze	56
Geometric ALL	46
<i>Fish or sea creature</i>	38
Peacock	36
Flower basket	35
Coffered ceiling	31
Plant-derived	31
Square	25
Branch	23
Geometric	22
<i>Deer</i>	20
Wing	19
Geometric	16
Grape	15
Person	15
Himation	14
Dolphin	13
Tray	12
Bed	11
Fruit	11
Patera	10
Figure	10
Amphora	8
Gods	8
Cow	8
Mercury or Hermes	8
Still life	8
Dog	7
Classical mythology and ancient history	6
Throne	6
Pegasus	6
Personification of an abstract concept	6
Krater	6
Information artifact	6
Wild goat	5
Mythical or legendary being	5
Built work	5
Battle	5
Star	5
Sculpture	5
Trellis	4
Cat	4
Stretched-fabric	4
Cornucopia or horn of plenty	4
Mirror	4
Ibex	3
Erato	3
Perseus	3
Grave	3
Running	3
Catacomb	3
Visual work	3

Chilon	2
Tragedy	2
Apollo or Phoebus	2
Chest	2
Centaur	2
Doorway	2
Corinthian	2
Religious structure	2

III. 2 The visual features linked to the Poporowapa items of which the first occurrence could be traced back to Rome and its surroundings, and that later on stayed within this area.

Visual feature	Occurrences
Christian iconography	20
Christ	14
Rock	13
Hercules or Heracles	9
Geometric	8
Hours or Horae, and Seasons	8
Drum	7
Hippocampus	7
Shepherd	7
Club	7
Moses	6
Motif	6
Alcestis	5
Bread	5
Food	4
Abraham	3
Elysium	3
Jonah	3
Lazarus	3
Samson	3
Baptism	3
Eel	3
Lobster	3
Equestrian	3
Lighting device	2
Pomegranate	2
Admetus	2
Cerberus	2
Magi	2
Job	2
Philistines	2
Samaritan woman	2
Paralytic man	2
Jupiter or Zeus	2
Peter	2
Water	2
Orpheus	2
Wall	2
Stair	2
Moon	2
Egypt (Red Sea)	2
Octopus	2
Dwarf or Pygmy	2

Appendix XIV:

Post-Pompeian paintings within their context

III. 1 The occurrences of the top ten most popular visual features per *Building type*.

Residential:

Visual feature	Occurrences
Panel	273
Candelabrum	168
Full-length	154
Festoon	141
Flower	117
Architectural fantasy	115
Marble	86
Bird	74
Aedicule	71
Woman	69

Funerary:

Visual feature	Occurrences
Full-length	106
Man	59
Festoon	46
Woman	43
Flower	39
Bird	38
Millefleurs	32
Peacock	28
Vessel	25
Toga	24
Line	24

Institutional:

Visual feature	Occurrences
Full-length	12
Fish or sea creature	11
Seascape	6
Opus sectile	5
Aedicule	5
Festoon	5
Architectural fantasy	5
Candelabrum	4
Person	4
Vessel	4
Marble	4

Religious:

Visual feature	Occurrences
Full-length	14
Man	9
Woman	8
Sacrifice	5
Landscape	5
Panel	5
Servant	4
Vessel	4
Mantle	4
Festoon	4
Snake	4
Phrygian cap	4
Tunic	4

Commercial:

Visual feature	Occurrences
Panel	18
Full-length	6
Candelabrum	6
Festoon	6
Tunic	5
Servant	5
Bird	5
Line	4
Opus sectile	4
Aedicule	3
Woman	3
Lozenge	3

Transportation:

Visual feature	Occurrences
Roundel	3
Flower	2
Allover	2
Plant	2
Opus sectile	1
Vessel	1
Octagon	1
Square	1
Full-length	1
Cupid, Amor, or Eros	1
Festoon	1

Military:

Visual feature	Occurrences
Mask	1
Column	1
Full-length	1
Bird	1
Plant	1
Opus sectile	1

III. 2 The top ten most popular visual features per *Building type* combined.

Top 10	Residential	Funerary	Institutional	Religious	Commercial	Transportation	Military
1	Panel	Full-length	Full-length	Full-length	Panel	Roundel	Mask
>	Candelabrum	Man	Fish or sea creature	Man	Full-length	Flower	Column
>	Full-length	Festoon	Seascape	Woman	Candelabrum	Allover	Full-length
>	Festoon	Woman	Opus sectile	Sacrifice	Festoon	Plant	Bird
>	Flower	Flower	Aedicule	Landscape	Tunic	Opus sectile	Plant
>	Architectural fantasy	Bird	Festoon	Panel	Servant	Vessel	Opus sectile
>	Marble	Millefleurs	Architectural fantasy	Servant	Bird	Octagon	
>	Bird	Peacock	Candelabrum	Vessel	Line	Square	
>	Aedicule	Vessel	Person	Mantle	Opus sectile	Full-length	
10	Woman	Toga	Vessel	Festoon	Aedicule	Cupid, Amor, or Eros	
10		Line	Marble	Snake	Woman	Festoon	
10				Phrygian cap	Lozenge		
10				Tunic			

III. 3 The occurrences of some individual features per *Building type*.

Millefleurs:

Building type	Occurrences	Percentage
Residential	28	4%
Funerary	32	14%
Institutional		
Religious		
Commercial		
Transportation		
Military		

Peacock:

Building type	Occurrences	Percentage
Residential	1	0%
Funerary	28	12%
Institutional		
Religious		
Commercial		
Transportation		
Military		

Fish or sea creature:

Building type	Occurrences	Percentage
Residential	18	2%
Funerary	5	2%
Institutional	11	24%
Religious		
Commercial	1	3%
Transportation		
Military		

Seascape:

Building type	Occurrences	Percentage
Residential	7	1%
Funerary	3	1%
Institutional	6	13%
Religious		
Commercial		
Transportation		
Military		

Sacrifice:

Building type	Occurrences	Percentage
Residential	4	1%
Funerary	2	1%
Institutional		
Religious	5	13%
Commercial	1	3%
Transportation		
Military		

Snake:

Building type	Occurrences	Percentage
Residential	5	1%
Funerary	2	1%
Institutional		
Religious	4	11%
Commercial	1	3%
Transportation		
Military		

III. 4 The occurrences of some animal species in relation to their context.

Deer:

Occurrences	Item id	Origin	Animals	Room type	Building type
1	1137	Baiae	Deer		Public bath
1	1044	Ostia	Deer		Taberna
1	107	Rome	Deer		Nymphaeum
1	108	Rome	Deer	Cubiculum	Tomb
1	596	Rome	Deer		Residential structure
1	615	Rome	Deer		Necropolis
1	625	Rome	Deer		Tomb
1	650	Rome	Deer		Catacomb
1	699	Rome	Deer		
1	1127	Rome	Deer		Public bath
1	1132	Rome	Deer		Catacomb
2	26	Caivano	Deer,Bird		Tomb
2	1412	Ephesus	Deer,Deer	Peristyle	Terrace house
2	1159	Ostia	Horse,Deer		Residential structure
3	746	Plassac Gironde	Bird,Deer,Duck		Villa
3	679	Ostia	Hunting dog,Bird,Deer		
4	453	Rome	Dog,Cow,Deer,Horse		Tomb
4	354	Rome	Horse,Bird,Wild goat,Deer		Catacomb
5	451	Rome	Bird,Parrot,Peacock,Cow,Deer		Tomb

ibex:

Occurrences	Item id	Origin	Animals	Room type	Building type
1	1343	Ephesus	ibex		Terrace house
3	585	Rome	ibex,Cat,Bird		Residential structure
2	1158	Ostia	Mammal,ibex		Residential structure

Leopard:

Occurrences	Item id	Origin	Animals	Room type	Building type
1	717	Altafulla	Leopard	Cubiculum	Residential structure
1	1411	Ephesus	Leopard		Terrace house
1	859	Valencia	Leopard		Domus
2	593	Alexandria	Leopard,Bird		Tomb
2	92	Leptis Magna	Leopard,Lion	Frigidarium	Public bath
2	571	Cologne	Swan,Leopard		Residential structure