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The Silver Alexander Tetradrachms of Temnos

Temnos was an Aeolian polis, well attested in the literary and epigraphical record.¹ Herodotus placed the community in his list of Aeolian cities, including “...Cyme (called “Phriconian”), Lerisae, New Teichos, Temnos, Cilla, Notion, Aegiroessa, Pitane, Aegaeae, Myrina, [and] Gryneia.”² Although absent from the Athenian tribute lists and therefore not a member of the fourth century Delian league, Temnos and its citizens appear with frequency by the 3rd century.³ Temnos is found in Xeophon's *Anabasis*, where Democrats of Temnos served as a scout with the Ten Thousand in 401-399.⁴ The Spartan Dercylidas, fighting the Persians in Asia Minor in 399-397, stated that Temnos, although “not a large polis”, was nevertheless not subject to the Persian monarch and by implication effectively autonomous, a “fact” which was almost certainly colored by Dercylidas' rhetoric against the Great King.⁵

Following the reign of Alexander the Great (336-323), Temnians could be found throughout the Hellenistic world. A marriage contract from Egypt, witnessed by Temnians, was crafted for a Herakleides of Temnos and a Demetria of Kos under Ptolemy I and further Temnian witnesses are attested in another Egyptian contract from c. 284.⁶ Also early in the third century, Temnos entered into a treaty of isopoly with Pergamon which almost certainly predated the creation of the Attalid Kingdom.⁷ This agreement granted the same rights, taxes, and land ownership privileges to the citizens of both communities and the equality of the provisions highlights the cities' political parity. Temnos

1

Therefore, what follows is very much a “working” paper. All dates BCE unless otherwise specified. All translations are my own, following the Loeb edition.

2 Hdt. 1.149: “...Κύμη ἡ Φρικωνὶς καλεομένη, Λήρισαι, Νέον τεῖχος, Τῆμνος, Κίλλα, Νότιον, Αἰγιρόεσσα, Πιτάνη, Αἴγαιαι, Μόρτνα, Γρύνεια.”

3 Hansen et al., *An Inventory of Archaic and Classical Poleis*, 1050.

4 Xen. Anab. 4.4; Westlake, “Diodorus and the Expedition of Cyrus,” 248.

5 Xen. Hell. 4.8.5: “...καὶ Τῆμνος, οὐ μεγάλη πόλις...”; Westlake, “Spartan Intervention in Asia, 400-397 B.C.,” 425.

6 P. Eleph, 2; P. Eleph, 1; See Bagnall and Derow, *Greek Historical Documents: The Hellenistic Period*, 239 for dating.

7 OGIS 265; Allen, *The Attalid Kingdom: A Constitutional History*, 16–17.

also seems to have had a significant connection with Smyrna in the third century, a polis that was firmly in the Seleucid sphere of influence at the time.⁸ Judges from the Carian polis Cnidus negotiated a truce between Temnos and Clazomenae in the early second century and Strabo lists the polis as the birthplace of the rhetor Hermagoras, active in the middle of the second century.⁹ Although certainly not the leading polis of Aeolis (an honor which belonged to Cyme),¹⁰ Temnos and its citizens were nevertheless active participants in the greater Hellenistic world.

Temnian minting activity is known by at least the fourth century from bronze issues featuring an ivy-wreathed bearded Head of Dionysos on the obverse and grapes with vine leaves and tendrils on the reverse. This basic design for bronzes continued in the third, second, and first centuries, with the reverse featuring a succession of different control marks. Temnos also minted silver hemidrachms in the second century featuring a Laureate head of Apollo on the obverse and a one-handled vase underneath grape-leaves and vine tendrils with various control marks on the reverse.¹¹ Bronze coinage continued into the imperial Roman period, although silver coinage appears to have ceased following the issue of Alexandrian tetradrachms, which were minted between c. 200 to slightly before 143/142.¹²

It is this last type of coinage, the posthumous Alexander issues, which are the focus of this study. Based on the new Attic weight tetradrachms, the design of the Temnian coins mirrors that of other civic posthumous Alexanders.¹³ These silver coins feature a beardless head of Heracles in profile

8 Allen, *The Attalid Kingdom: A Constitutional History*, 17–18; Robert, *Études Anatoliennes; Recherches Sur Les Inscriptions Grecques de l'Asie Mineure.*, 90–6.

9 SEG 29.1130 bis A and B = P. Herrmann, MDAI(I) 29 (1979) pp. 239–71 = Piejko, MDAI(I) 36 (1986) pp. 95–97; SEG 36.1040; Robert, REG 1980, 438; Gruen, p. 110; F.; Thür, pp. 474, 483; Strabo, Jones, and Sterrett, *Strabo*, 13.3; Dmitriev, *City Government in Hellenistic and Roman Asia Minor*, 300; Kennedy, *A New History of Classical Rhetoric*, 97.

10 Sacks, “The Wreathed Coins of Aeolian Myrina,” 2.

11 See Plates

12 Wroth, *A Catalogue of the Greek Coins in the British Museum Troa, Catalogue of the Greek Coins of Troas, Aeolis, and Lesbos*, 142–143. See below for dating of the Alexander issues.

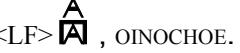
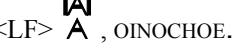
13 Price, *The Coinage in the Name of Alexander the Great and Philip Arrhidaeus*, 38 ff.

facing to the right on the obverse. His hair flows out from under his lion-skin cap as he gazes beyond the right border of the coin. On the reverse sits Zeus in the center, in semi-profile on a throne facing left, gripping a long spear in his left hand while supporting an eagle in the right hand of his outstretched arm. His right leg rests behind his left leg, while the left of the coin features control marks above an oinochoe that in later issues sits below a vine tendril. On some issues there are control marks beneath the throne. In all examples **AΛΕΞΑΝΔΡΟΥ** runs vertically down the edge of the coin to the right of Zeus. The flans of the coins are generally broad and flat, especially for types 1667-1690.

The major variations in the series are the monograms on the reverse, most of which are identified by Price, who numbers them from 1665-1690.¹⁴ In addition, publications, hoard evidence, and this study have revealed several new types which are given below.

14 Ibid., 240–243.

Table 1: Temnian Monograms, Dates, Counts, and Average Weights

Price Type	Reverse Monogram	Date	Total Specimens	Obverse Die Count	Average Weight (Grams)
1665	<LF> OINOCHOE.	c. 200*	11	4	16.67
1666	<LF> Π H , OINOCHOE.	c. 200*	1	1	—
—	<LF> A M , OINOCHOE.	c. 200*	1	1	16.67
—	<LF> Μ P , OINOCHOE.	c. 200*	1	1	15.95
1667	<LF>  , OINOCHOE.	Before 160**	3	1	16.7
1668	<LF>  , OINOCHOE.	188-170*	1	1	16.65
1669	<LF> A I , OINOCHOE; <TH> AE.	Before 160**	12	1	16.22
—	<LF> A I , OINOCHOE; <TH> A E.	Before 160**	1	1	16.51
1670	<LF> X I , OINOCHOE; <TH> A E.	Before 160**	1	1	16.6
—	<LF> H I , OINOCHOE; <TH> A E.	Before 160**	1	1	16.65
1671	<LF> E Δ , OINOCHOE BENEATH VINE-TENDRIL.	Before 150**	3	2	15.2
1672	<LF> Δ H , OINOCHOE BENEATH VINE-TENDRIL; <RF> H - P .	Before 150**	9	1	16.27
1673	<LF>  , OINOCHOE BENEATH VINE-TENDRIL; <TH> AE.	Before 155**	0	0	—
1674	<LF>  , OINOCHOE BENEATH VINE-TENDRIL; <TH> AE.	Before 155**	0	0	—
1675	<LF>  , OINOCHOE BENEATH VINE-TENDRIL; <TH> AE.	Before 155**	2	1	16.14
1676	<LF> AE , OINOCHOE BENEATH VINE-TENDRIL.	Shortly before 151/0	204	11	16.4
1677	<LF> AE , OINOCHOE BENEATH VINE-TENDRIL.	162-151/0	0	0	—

1678	<LF> ΕΑ, OINOCHOE BENEATH VINE-TENDRIL.	Shortly before 151/0	71	8	16.1
—	<LF> Α, OINOCHOE BENEATH VINE-TENDRIL.	Shortly before 151/0	1	1	—
1679	<LF> ΑΕΙ, OINOCHOE BENEATH VINE-TENDRIL.	Before 162	12	2	16.53
1680	<LF> ΑΕΣ, OINOCHOE BENEATH VINE-TENDRIL.	162-151/0	62	4	16.24
1681	<LF> ΑΕΣ*, OINOCHOE BENEATH VINE-TENDRIL.	162-151/0	0	0	—
1682	<LF> ΑΣ, OINOCHOE BENEATH VINE-TENDRIL.	Before 150	0	0	—
1683	<LF> ΑΑ, OINOCHOE BENEATH VINE-TENDRIL.	Before 162	8	2	16.4
1685	<LF> ΕΗΦ, OINOCHOE BENEATH VINE-TENDRIL.	Before 160**	1	1	16.92
1686	<LF> ΑΡΕ, OINOCHOE BENEATH VINE-TENDRIL.	Before 162	99	3	16.39
—	<LF> ΑΕ, OINOCHOE BENEATH VINE-TENDRIL.	Before 162	2	2	16.59
1687	<LF> ΜΩ, OINOCHOE BENEATH VINE-TENDRIL.	Before 162	20	4	16.41
1688	<LF> ΙΑΙ, OINOCHOE BENEATH VINE-TENDRIL.	Before 162	57	10	16.24
—	<LF> Ι, OINOCHOE BENEATH VINE-TENDRIL.	Before 162	1	1	—
1689	<LF> ΙΑΣ, OINOCHOE BENEATH VINE-TENDRIL.	Before 162	32	8	16.42
1690	<LF> EXENIKΟΣ, OINOCHOE BENEATH VINE-TENDRIL; <TH> ΓΕΙΤΑΣ.	Before 143/2	138	7	16.36
NB: Price 1684 is a drachm, not a tetradrachm, and as such is exuded from this study.					
* Denotes Price's original dating. Without hoard evidence for these issues it is impossible to further refine the chronology.					
** Denotes a <i>terminus ante quem</i> only; Further refinement from hoard and die evidence is not possible.					

440 coins in the study have published weights varying from 11 to 17.09 grams with an average weight of 16.34 grams. The coin weighing 11 grams is significantly lower than any other examples and could be a mistake, as its weight is derived from a handwritten and unsourced note in an ANS Photo file. There appears to be a small but noticeable downward drift in the weight from the initial production run of the 1665 type at 16.67 grams to the final average weight of 1690 at 16.36 grams. During the intensive production runs of 1676, 1678, 1688, 1689, and 1690 the average weight remained within .2 grams.

Temnian coins are well represented in hoard evidence, which assists with dating and establishing circulation patterns of the coinage. Specimens are often found distributed within Seleucid territory alongside issues from Alabanda, Aspendus, Assos, Chios, Cyme, Miletus, Myrina, Mytilene, Perge, and Phaselis, despite the chronological and geographical difference between the production of the various mints. For further information on hoard composition and dating, see the relevant references. Many of the coin types listed below are refined and expanded from initial publications as a result of this study.

Table 2: Hoards, Roughly Chronological

ID	Name and Date (CE)	Burial	Total Coins	Temnian Coins	Price Types
IGCH 1410	Mektepini, 1956	c. 195-190	752+ AR	2	1665. ¹⁵
CH 10, 292	Unknown Findspot (2000)	190 / 189	800 AR	1	1665
IGCH 1541*	Baiyada, 1949	c. 188	11+ AR	1	1689. Modern intrusion. ¹⁶
IGCH 0888*	Propontis, Thracian Coast, 1950	c. 180	c. 200 AR	11	1665; 1689; 1683; 1676; 1678; 1686. Modern intrusions. ¹⁷
IGCH 1346	Temnus environs, c. 1912	2nd cent.	6 AR, c. 300 AE	6	Vine-tendril types. ¹⁸
Ch 7, 98	Ma'aret en- Numan 1980	Before 162	536+ AR	10	1679, 1683, 1686, 1687, 1689.
IGCH 1772*	Urfa	After 158/7 ¹⁹	c. 200 AR	2	1669; 1679(?). ²⁰
IGCH 1774	Babylonia, 1900	c. 155-150	100 AR	7	1678; 1688; 1679; 1680; 1687; 1673. ²¹
IGCH 1547	Khan Cheikhoun, 1940	Shortly before 151/0 or later	103 AR	2	1676, 1678. ²²
CH 10, 301	Unknown Findspot, 2001 “Demetrius I”	151-150	529 AR	92	1676, 1677, 1678, 1679, 1680, 1681, 1683, 1687, 1688.
IGCH 1432	Southern Asia Minor, 1964	c. 150	22 AR	1	1686. ²³
IGCH 1559	Akkar, 1956	c. 150	69 AR	37	1681; 1687; 1678; 1676; 1686; 1689. ²⁴
IGCH 1701	Delta, 1927- 1928	c. 150	24 AR	1	? ²⁵
CH 1, 80	Trabzon, Turkey	150	150+ AR	1	1676
CH 10, 295	Beqa' Valley 1995	After c. 150 / c. 142 ²⁶	c. 40 AR	3	1676, 1678, 1686. ²⁷
IGCH 1773	Tell Kotchek, 1952	After c. 150 / c. 142	604+ AR	197	1666; 1671; 1672; 1674; 1683; 1682; 1687; 1679 (1680?); 1689; 1676; 1678; 1686; 1690.
Metcalf (Anatolia)	Anatolia, 1994	After c. 150 / c. 142	379+ AR	39	1676, 1678, 1679, 1680, 1686, 1687, 1689, 1690.

15 Olcay and Seyrig, *Le Trésor de Mektepini en Phrygie*, 14.

16 Seyrig, *Trésors du Levant anciens et nouveaux*, 48 #10; Mattingly, *From Coins to History: Selected Numismatic Studies*, 33 n.6.

17 Waggoner, “The Propontis Hoard (IGCH 888),” 12–13. Almost certainly an intrusion; see discussion below.

18 Unable to determine types from publications

19 Meadows and Houghton, “The Gaziantep Hoard, 1994 (CH 9.527; 10.308),” 180 n.19.

20 Oakley, “The Autonomous Wreathed Tetradrachms of Kyme, Aeolis,” 11 n.32 suggests that these might be a modern intrusion as well.

21 Regling, “Hellenistischer Münzschatz Aus Babylon,” 106–107.

22 Seyrig, *Trésors du Levant anciens et nouveaux*, 62 #14.

23 Boehringer, *Zur Chronologie Mittelhellenistischer Münzserien 220 - 160 V. Chr.*, 181 #9.

24 Seyrig, *Trésors du Levant anciens et nouveaux*, 75–76 #18.

25 Unable to determine types from publications

26 See discussion below for revised dating

27 Meadows et al., *Coin Hoards Volume X: Greek Hoards*, #295 omits the 1678 type, perhaps conflating it with 1676.

ID	Name and Date (CE)	Burial	Total Coins	Temnian Coins	Price Types
IGCH 1556	Syria, northern, 1906	c. 145-140	38 AR	6	1676; 1678; 1686; 1690. ²⁸
CH 10, 308	Gazinatep, Turkey (1994 / 1997)	143	1916 AR	86	1667, 1676, 1678, 1679, 1680, 1683, 1686, 1687, 1688, 1669, 1690.
CH 10, 310	Kırıkhan, Turkey	143/2	5,000 AR	2	1676, 1690.
IGCH 1557	Teffaha, 1954 (anc. Laodiceia ad Mare) environs, 1950	c. 140	27+ AR	13 +	1678; 1676; 1689; 1686; 1690.
IGCH 1561		c. 140	9 AR	2	1686; 1678.
IGCH 1804	Susa, 1933-1934	After 140	97 AR	1	1676
IGCH 1542	Ain Tab, 1920-1921	c. 130 – 120	c. 200 AR	1	1676. ²⁹
CH 10, 326	Bassit	118	10 AR	6	1676, 1678, 1681, 1690.
IGCH 1812	Susa, 1947-8	After 90	67 AR	50	1676, 1678, 1680, 1686, 1689, 1690, 1672. ³⁰
IGCH 1813	Media, 1923	90-85	1600+ AR	5	1676

* Possible later intrusions

The hoard evidence also helps to establish the relationship of Temnian coinage to other mints that produced Alexanders and civic tetradrachms which are summarized on following table.

28 Seyrig, *Trésors du Levant anciens et nouveaux*, 79 #20.

29 Ibid., 58 #13.

30 Le Rider, *Suse sous les Séleucides et les Parthes : les trouvailles monétaires et l'histoire de la ville*, 248 ff.

Table 3: Counts of Alexanders and Autonomous Issues by City in Tenuian Hoards

Name (aut = autonomous design)	igch1346	igch1410	igch1541*	igch1772*	CH 10, 295	igch1774	igch1547	igch1432	igch1559	igch1701	igch1773	igch1556	igch1994 (Amatolia)	CH 2, 89	igch1774	igch1772*	igch1541*	igch1410	igch1346
Abydus																			
Abydus (aut)																			
Aegae																			
Alabanda																			
Alabanda (aut)																			
Alexander Troas																			
Alexandria Troas (aut)																			
Alexandria																			
Amisus	1 (?)																	-	
Amphipolis	1	17	3															2	
Antigonea	1																-		
Antioch ad Maeandrum																	1		
Aradus	7	20	1	24	1												1	4	
Aradus (aut)						8											1	2	
Argos		3	2			1												3	
Aspendus	18	39	2	86	2	71	9	25	10		20	118	44				1	45	4
Assos	1	4	1			3	1		1	1(?)	3+	1	1					9	
Total																			

Total							Name (aut = autonomous design)
Athens (New Style)			1	105	1	13	iGCh1346
Babylon		3	1				iGCh0888*
Byblus							iGCh1410
Cabyle		10					iGCh1541*
Callatis		2	1		1	(?)	iGCh1772*
Carthae		1					CH 10, 295
Chios		35	20	1	10	5	CH 7, 98
Chius		3					iGCh1774
Clazomenae		1					iGCh1547
Clazomenae (aut)							CH 10, 301
Cnidus		4					iGCh1432
Colophon		1	4	7(?)	8	7	iGCh1559
Cos		1					iGCh1701
Cos (aut)							CH 2, 89
Cyme		4	2				iGCh1773
Cyme (aut)			1				Metealf1994 (Anatolia)
Cyzicus (aut)				1	2	1	iGCh1556
Ephesus		4	1	3			iGCh1804
Ephesus (aut)				21		1	iGCh1557
Eretria (aut)					3		CH 10, 308
Erythrae		1	11	1		1	iGCh1561

Total	igcch1813	igcch1812	igcch1811	igcch1804	igcch1561	igcch1557	igcch1556	igcch1773	CH 2, 89	igcch1701	igcch1559	igcch1432	CH 10, 301	igcch1547	igcch1774	CH 7, 98	igcch1772*	CH 10, 295	igcch1410	igcch0888*	igcch1346	Name (aut = autonomous design)	
Euromus									1														1
Halicarnassus																							1
Heracleia Ionia (aut)										2													1
Heracleia Latmos (aut)																							
Heracleia Bith.				57				1															
Heracleia Pont.	1							1															
Ilium (aut)								5															
Lampsacus								7															
Lebedus (aut)																							
Magnesia			12					1															
Magnesia (aut)																							
Magnesia on the Meander								12															
Magnesia Ionia (aut)																							
Magydus																							
Marium	1																						
Megaopolis								1															
Mesembria	23	13	3																				
Messene		1																					
Methymna		2	1					1															
Miletus	3	22	3 (?)	24	1	10	1	26	1								1	1	1	1	11	11	

Total	CH 10, 310	Metcalif 1994 (Anatolia)	CH 2, 89	CH 10, 308	iGCh1556	CH 10, 301	iGCh1547	CH 7, 98	CH 10, 295	iGCh1772*	iGCh1541*	CH 10, 292	iGCh1346	Name (aut = autonomous design)
Miletus (aut)														
Mylasa	1	1	2	2	1									2
Myriandrus		1												4
Myrina	2		1		6	3	1	8	1					1
Myrina (aut)														12
Mytilene		8		5	2	1	6	3	1	8	1	4	7	4
Mytilene (aut)										13	2	12	2	12
Nisyros		6		2										7
Odessus		3		2										12
Parium (aut)														2
Pella		10												4
Pergamum		14		16										3
Pergamum (aut)														-
Perge		40	35	141	7	63	1	28	3					2
Perinthus		1								7	44	14		3
Phaselis		21	17	2	52	1	57	2	18	6 + 1(?)	15	68	21	16
Phocae			3		1									11
Priene														3
Rhodes		3	63	3	49		2	2	1					1
Samos		1	21		7									5
Samothrace (aut)								1						3
														1

Total	CH 10, 310	Metcalif 1994 (Amatolia)	CH 2, 89	CH 10, 301	iGCh1547	CH 7, 98	CH 10, 295	iGCh1772*	CH 10, 292	iGCh1346	Name (aut = autonomous design)
Sardes				2	iGCh0888*						
Sicyon	1	2		2	iGCh1410						
Side					iGCh1541*						
Side (aut)		4			iGCh1774						
Sidon		1 (?)	1		iGCh1773						
Sinope	1	7	2		iGCh1701						
Sinope (aut)		1			iGCh1559						
Smyrna		2		1	iGCh1432						
Smyrna (aut)					igcH1547						
Silyium		1			igcH1774						
Syros					igcH1541*						
Syros (aut)		1			igcH1772*						
Tarsus		1			igcH1346						
Tennus	6	11	2	1							
Tenedus											
Teos		1		2							
Termessos			4								
Uranopolis			3(?)								

* Denotes hoards where Temnian coins are a possible intrusion. These are excluded from the *Total Hoards* column.

Other than a small hoard buried in Temnos itself there is no evidence that Temnian Alexanders circulated broadly within the Attalid kingdom or western Asia Minor generally, although this could be attributed to the vagaries of fate and the survival of relevant evidence. The only other evidence for Temnian issues outside of Asia is the Propontis hoard which featured eleven Temnian coins. However, other than the 1665 type, the Temnian coins found in this deposit are almost certainly modern intrusions, given existing evidence from other datable hoards.³¹ The vast majority of Temnian coins, including the large deposits of Tell Kotchek with 197 Temnain coins, the Demitrius I hoard with 92 Temnain coins (possibly deposited in Syria),³² Gaziantep with 86 Temnain coins, and the Susa hoard with 50 Temnain coins were found in Seleucid territories.

The dating of Temnian issues, based largely on hoard evidence, presents some difficulties. Recent scholarship has shown Price's dating to be largely inadequate. Lorber cites Ma'aret en-Numan, Gazinatap, Akkar, Caiffa, Teffaha, Susa, 'Ain Tab, Baiyada, Propontis, Tell Kotchek, Khan Cheikoun, Metcalf's East Anatolian hoard and the "Demetrius I" hoard to support shifting the dating of 1679, 1683, 1686, 1687 and 1689 to before 162. She also assigns 1677, 1680, and 1681 to 162-151/0 and places 1676 with 1678 to shortly before 151/0.³³

Omitted from this discussion is the Beqa' valley hoard, which does not factor into Lorber's dating of Temnian issues. This deposit, assigned to the first third of the second century (after 187/6) by Elayi, contains three coins from Temnos, specifically types 1676, 1678, and 1686. The dating of this hoard is based in part on Seyrig's assignment of Tell Kotchek to 160, the lack of datable countermarks on the Temnian and Mytilenian coins, and the presence of countermarks on the coins of Phaselis and Side.³⁴ If Elayi's dating is correct then 1676 and 1678 would have to moved back to before the

31 See Waggoner, "The Propontis Hoard (IGCH 888)," 21–22 for a full discussion.

32 Lorber, "Commerce ('Demetrius I' Hoard), 2003 (CH 10.301)," 153.

33 Ibid., 154–155.

34 Elayi, "Un Trésor de Tétradrachmes Aux Types d'Alexandre Trouvé Dans La Beqa'," 137.

proposed burial of the hoard to before 187/6.

However, the dating of Tell Kotchek, East Anatolia, 'Ain Tab, and Khan Cheickoun have all been revised downwards based on parallels with other firmly dated hoards, with Tell Kotchek and East Anatolia now placed after c. 150 / c. 142.³⁵ Due to the parallels in countermarks and composition with the Tell Kotchek and the East Anatolia hoards, the date of Bequa' should be lowered to after c. 150 / c. 142. This also eliminates any difficulties in accepting the dates proposed by Lorber and accepted by Meadows and Houghton for the dating of types 1676, 1678, and 1686. These new proposed dates can be refined even further by examining die linkages.

Although there is a paucity of evidence for some die types and sometimes spotty representation of certain issues within hoard evidence, it is nevertheless possible to begin a die study on Temnian coins. Reverse monograms are unique to an individual coin type and there is no example of a recut reverse die, allowing for consistent type identification (with a few exceptions noted below). The linkages show several distinct production periods containing issues that exist without any connections to the rest of the Temnian series, revealing that Temnian minting activity was fairly irregular and largely done in distinct groupings.

This study is based on 755 total coins with 348 reverse and 62 obverse dies, yielding an overall obverse ratio of ~12.18 : 1.³⁶ This is slightly misleading, as some varieties are far below this figure and other dies are shared between different reverse types. The number of coins for each obverse die are given below, arranged by their probable minting order.

35 Lorber, "Commerce ('Demetrius I' Hoard), 2003 (CH 10.301)," 154–155.

36 See Appendices 1 and 2 for obverse and reverse die links.

Table 4: Obverse Die Counts, Reverse Counts, Average Weights, and Price Types

Die	Coins	Coins With Published Weights	Reverse Dies	Average Weight (Grams)	Price Types
O1	1	1	1	15.58	1665
O2	8	6	5	16.81	1665
O3	1	1	1	16.96	1665
O4	1	0	1	—	1665
O5	2	1	2	15.95	1666; ⚭
O6	1	1	1	16.67	AM
O7	18	11	9	16.28	1667; 1669; 1670; HI; AI ⚭
O8	1	1	1	16.65	1668
O9	2	1	2	14.57	1671
O10	1	1	1	15.82	1671
O11	9	6	7	16.27	1672
O12	2	1	2	16.14	1675
O13	20	13	12	16.5	1676; ⚭; 1678
O14	13	7	8	15.86	1676; 1678
O15	4	3	4	16.44	1678
O16	26	11	9	15.81	1678
O17	18	9	10	16.45	1678
O18	6	3	5	16.38	1678
O19	1	0	1	—	1678
O20	2	0	1	—	1678
O21	12	8	5	16.4	1676
O22	47	38	19	16.35	1676
O23	7	4	4	16.36	1676
O24	27	15	11	16.32	1676
O25	5	2	3	16.57	1676
O26	25	14	7	16.41	1676
O27	17	12	4	16.54	1676
O28	26	11	14	16.52	1676
O29	19	9	8	16.22	1676
O30	1	0	1	—	1676
O31	27	16	18	16.14	1679; 1680
O32	31	20	20	16.38	1679; 1680
O33	9	4	6	16.32	1680
O34	7	5	4	16.38	1680
O35	1	0	1	—	1683
O36	10	5	7	16.28	1683; 1687

O37	5	5	4	16.6	1687
O38	1	1	1	16.12	1687
O39	11	4	8	16.39	1687
O40	1	1	1	16.92	1685
O41	28	18	10	16.51	1686
O42	34	22	16	16.37	1686; 
O43	39	22	16	16.33	1686; 
O44	8	5	3	16.32	1688; 1689
O45	10	6	6	16.48	1688
O46	1	1	1	16.48	1688
O47	33	17	19	16.42	1688; 1689
O48	2	1	1	16.07	1688; 1689
O49	5	4	5	16.32	1688; 1689
O50	7	2	4	15.99	1688; 
O51	12	8	7	16.09	1688; 1689
O52	3	2	1	16.18	1688
O53	5	3	4	16.04	1688; 1689
O54	2	2	2	16.53	1689
O55	2	1	2	15.21	1689
O56	11	3	9	15.95	1690
O57	10	3	5	16.57	1690
O58	7	4	4	16.45	1690
O59	68	42	30	16.36	1690
O60	28	17	8	16.36	1690
O61	13	7	6	16.4	1690
O62	1	0	1	—	1690

Price 1665 stands on its own without any obverse links to other Temnian types or reverse links to different obverses within the type, making a relative chronology of production impossible. Reverse order is assisted by the development of a crack in obverse O2 that provides a firm marker for assessing the chronology of the die. There is also inconsistent placement of the oinochoe's handle on the reverse. On the majority of dies the handle is to the right of the oinochoe but obverse O2 has one reverse where the handle is on the left. Present in the Mektepini hoard, Price's assignment of the type to c. 200 is not

affected by Meadows' proposal to shift the date of Mektepini to 195.³⁷

1666 along with the new types **MF** and **AM** present some difficulties. 1666 and **MF** share an obverse die which is remarkably similar to the obverse for **AM**, which strongly suggests that both dies were created by the same engraver. The **AM** type has the same lettering in a vertical orientation, minus a vine-tendril, as the horizontal monogram of Price 1684 (which is a drachm and is therefore excluded from this study). The **MF** type lacks a vine-tendril above the oinochoe but has the same initial character as the monogram for type 1687, **MF Π**, although there is nearly a four decade difference in the issues. The linkages and stylistic similarities between 1666, **MF**, and **AM**, along with the one-handled oinochoe on the reverse, make the assignment of both new types to Temnos certain. All of these coins should be seen as near contemporary issues, although further refinement beyond Price's initial proposal of c. 200 is not possible due to paltry representation in hoard evidence.

1667, 1669, and 1670, along with the new types of **HI** and **AI Λ** share a single obverse die. The monogram **HI** is found in a single coin, Ariadne Galleries 1981 #114, and is not listed by Price in his catalog of Temnian issues or appear in any subsequent publications as a type issued by the city. The other new type, represented by Monedas Jesus Vico 1998 #67, is comparable to 1669 but has **Λ** instead of **AE** as a control mark under the throne of Zeus. Due to the similarities of the control marks this could be the result of engraver error instead of a purposeful new type. With the obverse die links to the rest of the series the attribution of both of these new types to Temnos is secure, however the dating of the series needs to be adjusted from that given by Price. Following the Gaziantep evidence analyzed by Meadows and Houghton,³⁸ the down-dating of 1669 from 188-170 to before 160 also requires that 1667, 1670, **AI Λ**, and **HI** be dated to nearly the same period due to their use of an identical

37 Meadows, "The Eras of Pamphylia and the Seleucid Invasions of Asia Minor," 68.

38 Meadows and Houghton, "The Gaziantep Hoard, 1994 (CH 9.527; 10.308)," 181.

obverse die.

In terms of relative chronology, with 1667 and 1669 both present in Gazinatep (and with 1670 missing from the hoards list) it is impossible to use hoard evidence to establish the order of the issues. There are five reverse dies for 1669, and two each for 1667 and 1670, showing by far the heaviest use for the obverse die in the 1669 type. The die appears to show the least wear in the production of 1669, with 1667 exhibiting the most wear and the two new types in the middle, indicating that 1669 was likely produced first. There is a possible die break that is apparent in all 1667 specimens and a few 1669 coins, providing further indication that **HI**, **AI** **AA**, and 1670 were produced earlier. Further refinement is currently not possible.

1668, with only one coin and without any obverse links or presence in any hoards, stands on its own and is impossible to place in any chronological context. Type 1671 has two obverse and three reverse dies which are also separate from any other Temnian types, with a break in reverse R23. Similarly, 1672 does not share its single obverse die with any other Temnian coins. The assignment of their internal relative chronology is based on die wear, and with 1671 and 1672 only present in the Tell Kotchek hoard it is only possible to give a *terminus ante quem* of c. 150 for their minting.

There is a strong case for confusion in differentiating 1673, 1674, and 1675, which may instead represent a single coin type. According to Price, 1673 is found in Babylon 1900 #27 and features a stylized **AE** under the throne of Zeus, 1674 should have an open **AE** under the throne, following Tell Kotchek #20, and 1675 should have a **AE** under the throne.³⁹ The **AE** and **AE** monograms are both absent from Regling's analysis of the Babylonian hoard.⁴⁰ Price lists 1675 as originating in the ANS

³⁹ Price, *The Coinage in the Name of Alexander the Great and Philip Arrhidaeus*, 242; Seyrig, *Trésors du Levant anciens et nouveaux*, 66 #20; Regling, "Hellenistischer Münzschatz Aus Babylon," 107.

⁴⁰ Regling, "Hellenistischer Münzschatz Aus Babylon," 102.

Photo File, and the only possible candidate I was able to locate has the distinctive ΔE monogram. When compared to Tell Kotcheck #20 it is immediately apparent that the ANS Photo File and Tell Kotchek #20 are the same coin.⁴¹ Closer magnification of both images seems to highlight the clear presence of lines within the ΔE , which is characteristic of Price 1675. Furthermore, using the plates from Regling's publication of the Babylonian coin, what he identified as ΔE appears to look like the ΔE of 1675, with the side "legs" of the ΔE missing. Closer examination reveals that the coins all share the same obverse die and the reverses are remarkably similar (with only the placement of the E in **AΛEXANΔPOY** relative to the elbow of Zeus revealing the use of different reverse dies). Although these results are far from conclusive, the die links between the issues and the near identical reverse dies strongly point to the possibility that Price 1673, 1674, and 1675 should be considered a single issue unless coins are found which clearly demonstrate otherwise. At the very least, the shared obverse die points to a nearly contemporary production period.

1676 and 1678 share two links, including one with single example of the new type ΔA , with complex, overlapping, and chaotic reverse linkages revealing the use of a die box. All three types were almost certainly in production at nearly the same time, making a relative chronology based on die links difficult. In hoard evidence Price 1678 (with five obverse dies in addition to the two shared with 1676) appears before 1676, beginning with the Babylonia 1900 hoard. Obverses O16, O17, and O20 developed cracks during the minting of the type, which assists with determining the chronology. Price 1676 is by far the most represented type in this study with 204 specimens and nine obverse dies (in addition to the two shared with 1678). 1676 first appears in Khan Cheickhoun and is present in every subsequent hoard with Temnian coins, with the exceptions of Southern Asia Minor 1964 and Ladoceia

41 See T46 in the plates.

ad Mare. Obverse dies O21, O22, O25, and O28 developed cracks and other damage which assists in the development of a relative chronology, but the overlapping reverse connections for each obverse die makes such a construction highly speculative.

1679 and 1680 share two obverse die links with 1680 having two dies on its own. One reverse variant in 1680 has **ΑΛΕΞΑΝΔΟΡΥ** in place of **ΑΛΕΞΑΝΔΡΟΥ**, which is certainly engraver error and should not be considered a new type in its own right. The only reverse link between the two obverse dies is of the 1680 type, and the different wear and the development of an obverse crack suggest that 1679 was minted before 1680 for obverse O31. However, obverse O32 has coins of 1679 and 1680 in production both before and after a die break, showing that both types were minted concurrently. The reuse of dies, along with similar monograms, may suggest that the reverse monograms were more of a stylistic choice than an intentional differentiation in type, perhaps in a similar manner to 1673, 1674, and 1675. Even if this is not the case, both types were certainly produced at the same time during the use of obverse O32, with the possibility that production began with 1679. Lorber's suggestion to date 1679 to before 162 BCE and 1680 slightly later to 162-151/0 is supported by the relative chronology of the die links and needs no further refinement.⁴²

Price 1683 has two obverse dies, sharing one with 1687. This die appears to have some damage above the head of Hercules, which is both present and missing in each type, complicating its use as a chronological marker. As such the production of 1683 and 1687, at least in obverse die O36, seems to have occurred at the same time. This shared die has no other reverse connections with 1687, which has a further three obverse dies, one of which lacks any reverse connections to the rest of the series. The majority of the coins in the 1687 type seem to have varying degrees of cracks and other damage on the

42 Lorber, "Commerce ('Demetrius I' Hoard), 2003 (CH 10.301)," 154.

obverse dies, with only a small number of undamaged coins. This may point to weaker dies, as the number of obverse dies is relatively small for Temnian issues and is not indicative of heavy minting activity. The hoard evidence also does not supply an unambiguous chronology with 1683 and 1687 both appearing for the first time in the Ma'aret en-Numan hoard, with 1683 represented in Demetrius I, Tell Kotchek, and Gazinatep, and 1687 in Babylonia (1900), Demetrius I, Akkar, Tell Kotchek, Anatolia and Gazinatep. There is a further example of 1687 (Münzhandlung GmbH 148 (1997), #50) that has an obverse die linked to other coins associated with the reconstructed Gazinatep hoard. Although it was excluded in the publication of the hoard, its chronological relation to other coins from commerce used to reconstruct Gazinatep's contents is striking.

With only one example, Price 1685 has no obverse connections with other Temnian coins. Also lacking obverse links to other types, 1686 could be split into two types, with the original reverse monogram of  and a new monogram of . It is possible that this difference is the result of engraver error, especially as obverse O43 develops a crack and continues production of 1686 after the  coin. 1686 in general shows a relatively orderly production, with only two reverse dies shared between obverses, including the two examples of the  type. The development of cracks in all of the obverse dies provides a fairly firm minting order.

Price 1688 has three unique dies, shares an additional six with 1689 (which has two more unique dies), and has one additional die in common with the new type . Together these three types represent one of the most intensive periods of Temnian minting activity and do not share any links with any other types. Obverses O45 and O47 have chaotic reverse links, showing the certain use of a die box. The remainder of the reverse links are largely orderly and are exclusive to one type, with 1688 represented in reverses R274, R282, and R292 and 1689 in reverse R296. Although there are die breaks

that developed during the production of the series, the complex overlaps of O45 and O47 make it difficult to definitively assign a relative chronology to the types. It seems highly likely that all types, including Λ, were in production at the same time and should be dated to before 162 BCE to correspond with 1689.

Price 1690, the final issue of Temnian Alexanders, does not share any links with any other Temnian type and is one of the mint's largest issues, with seven obverse dies. In general the reverse links are so chaotic that the use of a die box is certain, with the relative chronology presented in the catalog largely based on obverse breaks and wear. All of the obverse dies used in the die box with the exception of obverse O62 (represented by a single coin found in the ANS Photo File from the Eric von Post Collection in Stockholm, T755 in the catalog) are present in Tell Kotchek, the first appearance of the type in hoard evidence.

Die linkages and hoard reveals complications in the development of Temnian iconography and style. According to Price, there is a significant shift in the reverse imagery of the coinage with the introduction of a vine-tendril above the oinochoe in types 1671-1690.⁴³ The attribution of both reverse types to Temnos has not been questioned, although assignment to the city is almost exclusively based on the similarities of the vine-tendril design to bronze coins produced beginning in the fourth century, second century silver Apollo hemidrachms, and the types found in the Temnos hoard.⁴⁴ The initial assignment originates with Müller, who bases his arguments on the presence of the one-handled oinochoe on the reverse, observing that it is without parallel in other Greek issues.⁴⁵ The handles in question shift position often in the early runs of Temnian coinage, at first placed on the right side of the

43 Price, *The Coinage in the Name of Alexander the Great and Philip Arrhidaeus*, 240–243.

44 Le Rider, “Numismatique Grecque,” 259; Wroth, *A Catalogue of the Greek Coins in the British Museum Troa, Catalogue of the Greek Coins of Troas, Aeolis, and Lesbos*, 142–143; Milne, “A Hoard of Coins of Temnos,” 260.

45 Müller, *Numismatique d'Alexandre le Grand. Suivie d'un appendice contenant les monnaies de Philippe II et III et accompagnée de planches et tables in quarto.*, 240–241.

oinochoe in 1665 (with the exception of ANS 1951.90.7), remaining on the left in 1666, **MF**, and **AM**, then shifts to the left for 1667 and 1668, on the right for 1669, 1670, **HI** and **AI** **WA**, and finally remains on the left for all of the vine-tendril issues.

Hoard evidence further complicates the situation as types without vine-tendrils are a rarity. Type 1665 is present in Mektepini and *CH 10*, 292, both dated to before 189. The next Temnian coins attested in hoards which are certainly not modern intrusions are in Ma'aret en-Numan, buried before 162 and containing types 1679, 1683, 1686, 1687, and 1689, all of which feature the vine-tendril design. Khan Cheikhoun, Urfa (although a possible intrusion), Babylonia, 1900, Khan Cheikhoun, Demetrius I, Southern Asia Minor 1964, Akkar, Trabzon, and Beqa' Valley all only have coins with the vine-tendril design, one coin type without vine-tendrils (1666) appears in Tell Kotchek alongside twelve types of vine-tendril issues. Metcalf's Anatolia hoard along with Northern Syria 1906 only have vine tendril types, and Gazinatep has one tendril-less type (1665) along with ten tendril-types. Finally, Kirikhan, Teffaha, Laodiceia ad Mare, Susa 1933-1934, 'Ain Tab, Bassit, Susa 1947-8 and Media 1923 only have Temnian coins with vine-tendrils. Although it is possible that Temnos first minted the non-tendril design, introduced the tendril design, and then continued to create new coin types without tendrils in limited quantities, it seems most likely that the non-tendril types were produced first, had an extremely limited production run, and did not circulate as broadly as the tendril types. This is supported by the use of only eight obverse dies for non-tendril coins against the fifty-four dies of the vine-tendril types, although non-tendril types had a longer minting period, from c. 200 to before 160, as opposed to before 162 to before 143/2 for vine-tendril issues.

This die study and stylistic analysis helps to shed light on the complex history and uncertain political status of Temnos. Following the battle of Corupedium in 281, the regions of Aeolis and Mysia

were nominally under Seleucid suzerainty and there is evidence for subsequent Seleucid minting activity in Aigai, Kyme, Myrina, and Pergamon.⁴⁶ In 262 the Attalid ruler Eumenes I broke from the conciliatory policies and dependent status of his uncle and predecessor Philetaerus, openly engaging and defeating the Seleucid king Antiochus I at Sardis and winning *de facto* independence.⁴⁷ Eumenes subsequently extended his control as far as the bay of Cyme, with a boundary stone demarcating the border between Attalid territory and the Aeolian polis of Myrina.⁴⁸ The precise status of Temnos and other poleis in Aeolis at the time is murky, but the region seems to have fallen under Attalid control c.227/228 due to the efforts of Attalos I against Gauls and the presumptive Seleucid monarch Antiochus Hierax.⁴⁹

Aeolis was likely subsequently reconquered by the Seleucid general and later pretender Achaios, then recaptured by Attalos I in 218.⁵⁰ At this time Cyme, Phocaea, and Smyrna came willingly to Attalos, but Aegae and Temnos only sided with the monarch after having been “terrified” into submission by the approach of the Attalid army, revealing that Temnos was not as enthusiastic as some of its Aeolian neighbors at the prospect of reincorporation into the Pergamene kingdom.⁵¹ Temnos probably fell from Attalid control and reverted back to Seleucid domination by 197 as a result of the campaigns of Antiochos III (r. 223 – 187) in western Asia Minor. The battle of Magnesia in 190 and the subsequent Peace of Apamea settled the political situation, with Aeolis falling under the Attalid sphere of influence until the kingdom's dissolution in 133.⁵² Temnian minting activity primarily occurs within

46 Cohen, *The Hellenistic Settlements in Europe, the Islands, and Asia Minor*, 38–39; Serrati, “Warfare and the State,” 497; Newell and American Numismatic Society., *The Coinage of the Western Seleucid Mints from Seleucus I to Antiochus III*, 319–347.

47 Strab. 13.4.2; Hansen, *The Attalids of Pergamon*, 22.

48 Hansen, *The Attalids of Pergamon*, 23; Engelmann, *Die Inschriften von Kyme*, #27.

49 Justin 27.1; Hansen, *The Attalids of Pergamon*, 33–36.

50 Hansen, *The Attalids of Pergamon*, 40–42.

51 Plb. 5.77.4: “ἥσαν δ’ αἱ τότε μεταθέμεναι πρὸς αὐτὸν πρῶτον μὲν Κύμη καὶ Σμύρνα καὶ Φώκαια: μετὰ δὲ ταύτας Αἰγαίεις καὶ Τημνῖται προσεχώρησαν, καταπλαγέντες τὴν ἔφοδον.”

52 Plb. 5.77.4; Ma, *Antiochus III and the Cities of Western Asia Minor*, 143; Sherwin-White and Kuhrt, *From Samarkhand*

the reigns of the Seleucid king Antiochos III and the Attalid monarchs Eumenes II (r. 197-159) and Attalos II (r. 159-138), a period that began with the polis firmly within Seleucid, not Attalid, control.⁵³ The Mektepini hoard proves that the polis began minting Alexanders prior to the battle of Magnesia and nearly concurrently with the campaigns of Antiochos III, especially if the proposed dating of 195 for the hoard is correct.⁵⁴ This places Temnian minting activity alongside other regional Seleucid mints which had a long history of Alexander-type production.⁵⁵

The Peace of Apamea in 188 dramatically altered the political landscape of western Asia Minor and the status of Temnos. When the Romans with their Attalid and Rhodian allies defeated the Seleucid king Antiochos III at Magnesia, Rome became the final arbiter in the bitter disagreement between the Attalids and Rhodes over the settlement of former Seleucid territory and the political status of the region's poleis.⁵⁶ The Roman consul Gnaeus Manlius Vulso finalized the political settlement: cities which supported Rome were to remain free from tribute, tribute cities which paid Attalos were now to pay Eumenes II, and any cities that joined Antiochos were subject to Eumenes.⁵⁷ According to Polybius, newly autonomous cities were Clazomene, Cyme, Drymussa, Mylasa, and the Colophonians in Notium. Rhodes won Lycia and Caria south of the Meander except Telmessus while Eumenes gained control over the European Chersonese, Lysimachia, Heleespontic Phrygia, Greater Phrygia, Part of Mysia, Lycaonia, the Milyas, Lydia, Tralles, Ephesus, and Telmessus. Phocaea's ancient constitution and former territory were restored to the city, but this does not imply that it was autonomous and in all

to Sardis: A New Approach to the Seleucid Empire, 152; Baronowski, “The Status of the Greek Cities of Asia Minor after 190 B.C.” 450.

53 Allen, *The Attalid Kingdom: A Constitutional History*, 181.

54 Le Rider, “Numismatique Grecque,” 259; Meadows, “The Eras of Pamphylia and the Seleucid Invasions of Asia Minor,” 68.

55 Baronowski, “The Status of the Greek Cities of Asia Minor after 190 B.C.” 450 ff.

56 McDonald, “The Treaty of Apamea (188 BC),” 1; Hansen, *The Attalids of Pergamon*, 95 ff.

57 Plb. 21.45; Liv. 38.39.

likelihood it was under the domination of the Attalids.⁵⁸

Modern scholarship largely follows Polybius (with supplements from Livy), although there is disagreement on the status of individual cities. Magie lists free cities as Aegae, Alexandria Troas, Bargylia, Chios, Clazomenae, Cnidus, Cos, Cyme, Cyzicus, Dardanus, Eresus, Erythrae, Halicarnassus, Heracleia ad Latmum, Ilium, Lampsacus, Magnesia-on-Meander, Methymna, Miletus, Mitylene, Mylasa, Myndus, Notium, Phocaea, Pidasa, Pitane, Priene, Samos, Smyrna, and Tenedos. He also believes that Priapus and Scepsis were subject to Pergamon. He argues that Temnos, Teos and Parium were likely free cities, and while the status of Myrina is in doubt, Colophon was certainly free by 150 BCE.⁵⁹ Magie believes that Temnos was autonomous in part from the (restored) mention of προσβέται (ambassadors) in a letter of Eumenes II to the city,⁶⁰ along with a decree from the polis granting citizenship to a citizen of Sardis which features similar phrasing as that used by known autonomous poleis.⁶¹ Magie is followed by le Rider who suggests that Temnos, citing as evidence the production of the Alexander tetradrachms, was not subject to Eumenes II (or at possibly fell under his control and was granted autonomy a short time afterwards).⁶²

Hansen believes that Aegae, Alexandria, Clazomenae, Cyme, Dardanus, Erythae, Ilium, Lampsacus, Notium, and Smyrna were granted autonomy while Abydus, Colophon, Ephesus, Magnesia ad Meander, Magnesia ad Sipylus, Piramus, Parium, Phocaea, Sardes, Scepsis, Telmessus, Temnos, Teos, Thyatira, Tralles, and (probably) Lebedus were subjects.⁶³ Ma includes in his list of autonomous

58 Plb. 21.45; Hansen, *The Attalids of Pergamon*, 95–96; Ma, *Antiochus III and the Cities of Western Asia Minor*, 282–283.

59 Magie, *Roman Rule in Asia Minor, to the End of the Third Century After Christ*, 958–959 n.75.

60 Welles, *Royal Correspondence in the Hellenistic Period: A Study in Greek Epigraphy*, # 48. Welles sees this letter as proof of the subject status of Temnos.

61 Keil-Premterstein, 1. Bericht 95,202 = DAW 53,2.1908.95,202

62 Magie, *Roman Rule in Asia Minor, to the End of the Third Century After Christ*, 958 n.75; Le Rider, “Numismatique Grecque,” 260.

63 Hansen, *The Attalids of Pergamon*, 95–96.

cities Aspendus, Aigai, Herakleia under Latmos, Colophon, Cyme, Mylasans, Mylasa and Side while Phocaea and Skepsis paid tribute.⁶⁴ He further observes that many former Attalid possessions were left autonomous after 188, many of which were in Aeolis and Mysia, perhaps as a strategy to gain goodwill or because the expansion of the Attalid territory had lessened need for direct tribute from these cities.⁶⁵

Although the precise number of subject poleis is a matter of debate, the treaty of Apamea certainly altered the constitutional basis of the Attalid kingdom, offsetting a substantial increase in royal territory and the number of allied and dependent poleis, coupled with a new reliance upon the benefaction of Rome as the guarantee of Attalid power.⁶⁶ Eumenes then faced the difficult problem of incorporating large regions which were formerly under the control of the Seleucids into his kingdom while theoretically respecting the Greek cities' traditional "freedom and autonomy". Eumenes would have to tread carefully if he was to take advantage of his new position.

One significant aspect to Eumenes' strategy was his monetary policy, which changed dramatically with the introduction of cistophoroic coins.⁶⁷ Cistophoroi were lighter than the Attic standard and were issued throughout the Attalid kingdom, becoming the chief means of monetary exchange in Asia Minor for almost three centuries.⁶⁸ Interestingly, cistophoroi shared some design elements with civic and Alexander issues common to Asia Minor and Temnos, specifically the ivy-wreath which was featured on the obverse.⁶⁹ The exact history and nature of the cistophoroi remains a matter of contention and obscurity, including if the change was primarily a propagandistic or monetary

64 Ma, *Antiochus III and the Cities of Western Asia Minor*, 282–283.

65 Ibid., 283.

66 Hansen, *The Attalids of Pergamon*, 97; Allen, *The Attalid Kingdom: A Constitutional History*, 86.

67 Howgego, *Ancient History from Coins*, 54; Kosmetatou, "The Attalids of Pergamon," 164.

68 Hill, *Historical Greek Coins*, 139; Kleiner and Noe, *The Early Cistophoric Coinage*, 10.

69 Burkert, *Greek Religion: Archaic and Classical*, 276; Mørkholm, Grierson, and Westermark, *Early Hellenistic Coinage*, 172.

decision and the precise timeframe of their production.⁷⁰ Scholars date their first issue variably from 200 or earlier, the 190s, 175, and even after 133, while a recent examination of the evidence offers a revised date of 168-133.⁷¹ What is certain is that cistophoroi were produced by a number of cities, perhaps with some level of centralization and oversight from Pergamon.⁷² These coins, due in a large part to their lighter weight than their Attic counterparts, rarely circulated outside of areas under direct political control of the dynasty.⁷³

The production of cistophoroi was far from universal in Attalid territory. The minting of Alexanders continued unabated in some Aeolian, Carian, and Pamphylian cities, including Cyme, Myrina, Alabanda, Aspendus, and Phaselis.⁷⁴ Temnos was also excluded from the imposition of cistophoric production and continued to mint Alexanders on the reduced Attic standard, although the polis was certainly in territory nominally in the Attalid sphere of influence after 188.⁷⁵

Unfortunately, the precise political status of Temnos is not made explicit by its exclusion from the cistophoric system, Polybius and Livy do not specifically mention the polis in the treaty of Apamea, and the epigraphical evidence confuses the situation even further. There is an extremely fragmentary inscription dated to 197-160/159 where Eumenes II granted Temnos certain subsidies, which could have included provisions for temples and civic administration.⁷⁶ Mentioned early in the document is the

70 Harl, “Livy and the Date of the Introduction of the Cistophoric Tetradrachma,” 294.

71 Mørkholm, Grierson, and Westermark, *Early Hellenistic Coinage*, 172–173; Harl, “Livy and the Date of the Introduction of the Cistophoric Tetradrachma,” 268; Kleiner and Noe, *The Early Cistophoric Coinage*, 15; Le Rider, “Sur Un Aspect Du Comportement Monétaire Des Villes Libres d’Asie Mineure Occidentale Au IIe Siècle: Leurs Émissions de Tétradrachmes de Poids Attique Frappées Entre 188 et c. 140,” 37; Meadows, “The Closed Currency System of the Attalid Kingdom,” 34.

72 Howgego, *Ancient History from Coins*, 54.

73 Ibid., 54–55.

74 Le Rider, “La Politique Monétaire Du Royaume de Pergame Après 188,” 178; Lorber and Hoover, “An Unpublished Tetradrachm Issued by the Artists of Dionysos,” 63; Meadows, “The Closed Currency System of the Attalid Kingdom,” 35; Meadows, “The Eras of Pamphylia and the Seleucid Invasions of Asia Minor,” 77–78.

75 Welles, *Royal Correspondence in the Hellenistic Period: A Study in Greek Epigraphy*, #48; Meadows, “The Closed Currency System of the Attalid Kingdom,” 30–31.

76 Welles, *Royal Correspondence in the Hellenistic Period: A Study in Greek Epigraphy*, #48; SEG 37.1016; SEG 38.1264; SEG 39.1332.

action of σύνταξαντα to an unspecified party (possibly a payment of a tax or other assessment), which Wells presumes was paid to Eumenes II.⁷⁷ Although Temnos received support from Eumenes, it was not necessary for the polis to have been a royal dependent, as benefactions and subsidies were a regular part of Eumenes' foreign policy and do not in and of themselves denote exclusive political control.⁷⁸ Even if the σύνταξις mentioned in the decree was a tribute or tax, Temnos could still have had wide latitude in its local administration and foreign affairs, as conceptions of freedom and autonomy (along with required taxes and obligations to a monarch) were extremely elastic in the Hellenistic world.⁷⁹

The treaty of Apamea as related by Polybius highlights such an ambiguity, as the terms included “..however many of the autonomous poleis that previously paid tribute to Antiochos...” who stayed loyal to Rome were free from paying tribute in the future.⁸⁰ This reveals that, at least prior to 188, a polis could be in theory “autonomous” yet still owe tribute or other financial support to a monarch. A polis like Temnos could then owe σύνταξις, or some other fiscal obligation, yet still enjoy a measure of autonomy.

Given the status of Aeolis as a Seleucid possession after 197, it is perhaps most likely that the Temnos would only owe a σύνταξις and receive direct subsides from the Attalids after the peace of Apamea in 188. Therefore the decree should be placed in the period from 188 – 160/159, following the withdraw of direct Seleucid control in the region. As mentioned before, Magie argued that the (restored) mention of πρ[ε]σβ[ιταῖ] in the decree parallels the terminology deployed by autonomous poleis which is further possible evidence that Temnos was not a completely subject community.⁸¹ Even if this evidence does not convince, the decree itself does not provide definitive proof that Temnos was a

77 Ibid., 197.

78 Ibid., 196.

79 Gruen, *The Hellenistic World and the Coming of Rome*, 152.

80 Plb. 21.46: “...ὅσαι μὲν τῶν αὐτονόμων πόλεων πρότερον ὑπετέλουν Ἀντιόχῳ φόρον...”

81 Magie, *Roman Rule in Asia Minor, to the End of the Third Century After Christ*, 958–959 n. 75.

subject community of the Attalid monarchy.

The importance of another inscription resolving a war between Temnos and Clazomenae to the political status of Temnos should not be minimized. Written c. 200-150, this document records the decisions of the judges of Cnidus to settle a recent conflict between the two poleis.⁸² Unfortunately, the lack of precise dating in the decree leads to significant difficulties in elucidating the political status of the belligerents and the judges. If the war occurred prior to the peace of Apamea in 188, then it could have been associated with the reconquest of Antiochos III in 197 and a possible general situation of unrest, yet the lack of any royal involvement in such a situation would be puzzling. The war could also have occurred between 197 and the battle of Magnesia in 190, although that would require a conflict between two recently conquered poleis and arbitration by a third without any Seleucid oversight, an unlikely event in a region as volatile and prized as Aeolis. A further complication is that Clazomenae was certainly a supporter of the Attalids, receiving autonomy after 188, and Cnidus seems to have been in a similar situation, making them less likely candidates for a hands-off approach from the Seleucid Empire.⁸³

A much more compelling case can be made by dating the war to the period following the peace of Apamea. Entirely absent from the decree is the mention of any royal institutions, governors, or other officials from either the Seleucids or Attalids. It is unlikely that Antiochos III would grant autonomy and remain completely disinterested in armed conflict in the volatile region of Aeolis, not least due to its geographic proximity to Pergamum. If the war occurred after 188, then the lack of Attalid officials and the status of Cnidus as arbiter instead of a royal official or commission can be easily explained if

82 SEG 29.1130 bis A and B = P. Herrmann, MDAI(I) 29 (1979) pp. 239-71 = Piejko, MDAI(I) 36 (1986) pp. 95-97; SEG 36.1040; Robert, REG 1980, 438; Gruen, p. 110; F.; Thür, pp. 474, 483.

83 Plb. 21.45; Magie, *Roman Rule in Asia Minor, to the End of the Third Century After Christ*, 958–959 n. 75.

Temnos, much like Clazomenae (and likely Cnidus), was autonomous at the time.

There has also been a recent proposal that an isolated issue of Clazomenian coinage has a connection to this conflict, presumably as a method to fund expenditures related to the war effort and paralleling 4th century minting activity by the same city.⁸⁴ As a result of this association, the conflict could be more precisely dated to 170-151, well after the Peace of Apamea and the expansion of the Attalid kingdom. The very significant Temnian issues of types 1688 and 1689, along with 1679 and 1680, also date to this period and together represent one of the largest groups of obverse dies in the series. It is highly attractive to see these types as financing for the war and serving a parallel purpose to the issues of Clazomenae at the same time. The largest Temnian production, represented by 1676 and 1678, occur near the end of this timeframe and could have some connection to the war, although they are more likely a response to the conflict against Prusias II, which is discussed below.

There is a possibility for further refinement in the chronology of this war due to the Temnian charge, dismissed by the Cnidian judges, that Clazomenians shut themselves into a temple and burial ground which was not subject to Clazomenae (and therefore presumably under Temnian control).⁸⁵ In 156 Prusias II of Bithynia invaded the Attalid kingdom, although it was not until the following year that Attalos finally secured Roman consent to resist the attack.⁸⁶ As part of this conflict, the temple of Apollo Cynneius near or in Temnos was despoiled and destroyed by Prusias in 155.⁸⁷ The precise geographical relationship of the temple to Temnos seems to be irrecoverable (Polybius merely mentions that the *temenos* of the temple is near or at Temnos (...τὸ τοῦ Κυννείου Ἀπόλλωνος τέμνος τό περὶ

84 Meadows, “The Hellenistic Silver Coinage of Clazomenae,” 254.

85 SEG, 29.1130: “κρίνομες δὲ καὶ ὑπὲρ τ[οῦ ἐγ][κλήμ]ατος οὐ ἐνεκάλεσαν Τημῆται Κλαζομενίοις ὑπὲρ τ[οῦ τε][μ]ένος....”

86 Oakley, “The Autonomous Wreathed Tetradrachms of Kyme, Aeolis,” 14; Hansen, *The Attalids of Pergamon*, 125–128.

87 Plb. 32.15: “όμοιώς καὶ τὸ τοῦ Κυννείου Ἀπόλλωνος τέμνον τὸ περὶ Τήμονος οὐ μόνον ἐσύλησεν, ἀλλὰ καὶ τῷ πυρὶ διέφθειρεν.”

Tῆμον...), and there are no further mentions of the location in literature. Although it is impossible to firmly associate or differentiate the *temenos* of the Clazomenian conflict and the temple of Apollo Cynneius, the central importance of a temple to both these events is striking. The destruction wrought by Prusias against the allies of the Attalids seems general and would have likely included a temple that was capable (at least theoretically) of being captured and exploited by a lesser power like Clazomenae. It is therefore highly probable that the conflict with Clazomenae preceded the war against Prusias, unless Temnos rebuilt the temple after 155, entered into an intense conflict with a neighboring community, and then submitted to arbitration prior to 150, which is an extremely unlikely chronology for these events.

The aftermath of the war against Prusias provides some further insight into Temnian autonomy and minting activity. Polybius discusses the indemnities imposed on Prusias II, by which the cities of Aegae, Cyme, Heracleia, and Methymna were given a hundred talents in compensation for the destruction caused by the monarch in addition to the twenty ships, five hundred talents, and the repatriation of any captured territory directly to Attalos.⁸⁸ Some modern commentators have taken this passage to mean that cities that were attacked and were not singled out for specific reparations, such as Temnos, were therefore subject to the Attalids since Polybius did not mention their individual compensation from Prusias as part of the treaty's terms.⁸⁹

This interpretation is not without significant problems, as this portion of Polybius is extremely fragmentary and the author did not always record all aspects or clauses of treaties throughout his work.⁹⁰ The war is also of secondary importance to Polybius, as the section is mostly concerned with

88 Plb. 33.13: “διορθώσασθαι δὲ Προυσίαν καὶ τὴν καταφθορὰν τῆς χώρας τῆς τε Μηθυμναίων καὶ τῶν Αίγαιέων καὶ τῆς Κυμαίων καὶ Ἡρακλειωτῶν, ἐκατὸν τάλαντα δόντα τοῖς προειρημένοις.”

89 Meyer, *Die Grenzen der hellenistischen Staaten in Kleinasien*, 156; Allen, *The Attalid Kingdom: A Constitutional History*, 99.

90 Walbank, *Polybius, Rome, and the Hellenistic World. Essays and Reflections*, 23.

the moral failings and impiety of Prusias II instead of a local conflict that only peripherally involves Greek and Roman interaction. Furthermore, the heaviest period of Temnian coinage, the production of types 1676 and 1678, is datable to the shortly before 151/0, a period immediately following the conflict. This production could easily have been the result of an influx of silver from an indemnity to Temnos which could be part of what was given to Aegae, Cyme, Heracleia, and Methymna, or otherwise not recorded by Polybius and part of a rebuilding effort following the war.

Even if Temnos was technically a subject city immediately following Apamea, the freedom of action revealed in the war against Clazomenae and the minting activity following the war against Prusias supports the contention that Temnos was autonomous before 162. This autonomy did not mean that Temnos and the Attalids did not foster commercial, economic, religious, and other connections, or that Temnos did not follow the political lead of the Attalid monarchy. The Attalids could not readily use cistophoroi for diplomatic or military means outside of their territory due to the overvalued and underweight nature of those issues, so they were largely reliant upon “free” cities to produce coins which were suitable for foreign consumption.⁹¹ Such currency could be the result of taxation, direct payments, or as the result of general economic exchange, especially if the Attalid economic system was as open as recent scholarship suggests.⁹²

The issues of Price 1687, 1689, 1688, 1681, 1680, 1679, 1676, 1678, 1680, and 1690, in addition to their relevance to Temnos itself, illustrate this phenomenon. The quantity of minting activity and the distribution of hoards may suggest some association with the intrigues of Attalos II against Demetrios I Soter, the son of Seleucus IV Philopator.⁹³ When the Seleucid monarch Antiochos IV died

91 Hoover and MacDonald, “Syrian Imitations of New Style Athenian Tetradrachms Struck Over Myrina,” 115.

92 Meadows, “The Closed Currency System of the Attalid Kingdom,” 34–37.

93 Hansen, *The Attalids of Pergamon*, 135.

in 164/163 Demitrius quickly took advantage of the situation by staking his claim to the Seleucid throne and executing Antiochos V, the son of Antiochos IV.⁹⁴ Eumenes II threw his support behind a certain Alexander I Balas in response, who Eumenes brought forward in 159 as a son of Antiochous IV Epiphanes and promoted this claim directly to the Roman senate. In 153 /152 Alexander Balas invaded Syria from Anatolia at the head of a mercenary army primarily drawn from Attalid and Roman territories along with limited aid from Egypt and Cappadocia. Winning control over the Seleucid kingdom by 150, Alexander's reign was short-lived. He was overthrown by Demetrios I, losing the kingdom and his life in 145.⁹⁵

The coinage of Temnos and other poleis in Attalid Asia Minor may have some relation to these events. Temnian coinage is found in Urfa, Babylonia, 1900, Khan Cheikhoun, "Demetrios I", Southern Asia Minor (1964), Akkar, Trabzon, Beqa' Valley, Tell Kotchek, Anatolia (1994), Syria, Gazinatep, and Kırıkkale hoards, all of which date to this period and are within the same general geographic proximity as the conflict between Alexander I Balas and Demetrios. The extensive Temnain minting during the time, especially the very large production of type 1690, could have been an extremely beneficial resource for the Attalids to draw upon in support of their own political projects.

One attractive possibility for Temnain coins was their use as a medium to pay mercenaries, as soldiers for hire would presumably want some form of wealth that was transferable outside of the Attalid kingdom.⁹⁶ Such a consideration is clearly shown in an earlier mutiny of mercenaries at Philateria and Attalea against the Attalid monarch Eumenes I (r. 263-241).⁹⁷ As part of a compact ending the disturbance, Eumenes swore to provide his rioting troops with fixed prices for food, back

94 Ibid., 125.

95 Plb. 3.5.3; 33.15.1-3; 33.18; Strab. 13.4.2; Justin 35.1.6-9; Hansen, *The Attalids of Pergamon*, 125–126; Hoover and MacDonald, "Syrian Imitations of New Style Athenian Tetradrachms Struck Over Myrina," 115–116.

96 Le Rider, "La Politique Monétaire Du Royaume de Pergame Après 188," 179.

97 Allen, *The Attalid Kingdom: A Constitutional History*, 11.

pay, and the ability for a discharged solider to “take his belongings out [of the kingdom] untaxed”, which speaks to the desire of mercenaries in Attalid service to have some form of moveable wealth or property.⁹⁸ Even if the mercenaries enrolled to support Alexander Balas were interested in permanent settlement instead of cash and booty, currency like Temnian Alexanders would be preferable as a means of payment to forces in Seleucid territories as opposed to cistophoroi that only circulated within the Attalid kingdom. Such a use has already been posited for the issues of Myrina and the coinage of Dionysiac artists, and it is not much of a stretch to consider the intensive production of Temnos at the same period and in the same geographic area in a similar light.⁹⁹

Temnian Alexander production, at least in the major issues, could serve both the needs of the polis and compliment Attalid foreign policy in the east. It seems likely that Temnian autonomy was not grossly infringed upon by the Attalid kingdom, and the production of tetradrachms was a mutually beneficial arrangement where Temnian minting activity could be consumed by the Attalids and their allies and then used as a currency that would be acceptable to a broader constituency than regional and overvalued cistophoic coins. Although circulation patterns and the alignment of Temnian coinage with Attalid political objectives could be construed as an indicator of subordinate status, the literary record, inscriptions, and minting activity taken together strongly suggests that Temnos was autonomous in the same manner as Cyme, Myrina, and other Aeolian polies.

Viewing Temnos as an autonomous polis allows for its minting activity to viewed with civic coinages and Alexanders from surrounding regions, due to similar political situations and the distribution of coins in hoard evidence. In Aeolis, Cymian Alexanders seem to have been produced

98 OGIS, 226 “... ἀτελῆς ἔστω ἐξάγων τὰ αὐτοῦ ὑπάρχοντα.”

99 Hoover and MacDonald, “Syrian Imitations of New Style Athenian Tetradrachms Struck Over Myrina,” 116; Lorber and Hoover, “An Unpublished Tetradrachm Issued by the Artists of Dionysos,” 67.

from 215 to slightly before 170 with the introduction of magistrates' names on the reverse following the declaration of autonomy after the peace of Apamea. The polis later switched to autonomous wreathed coinage after 154, possibly as a response to silver from the indemnities paid by Prusias II.¹⁰⁰ Myrina appears to have minted Alexanders from c. 215 to c.170, ceasing before the Latikia hoard, which Mattingly dates to c. 160.¹⁰¹ Therefore, both poleis seemed to stop production before the Temnian shift to vine-tendril design, with Temnian minting activity lasting approximately fifteen years longer than the other mints. There are some interesting stylistic parallels in the obverse dies amongst all of the Aeolian mints, so die studies of other Aeolian Alexanders will be needed to form a complete picture of the region's coinage.

Despite falling under direct Attalid control after 188, Pamphylian mints also produced Alexander tetradrachms nearly contemporary with Temnos. Although there has not been a die study on the Alexanders of Aspendus,¹⁰² it appears that production of the coinage stopped in 185/184,¹⁰³ certainly overlapping with Price 1665 and possibly other non-tendril types as well. The coinage of Phaselis seems to have ended production in 181/0,¹⁰⁴ which, like the production of Aspendus, corresponds with Price 1666 and possibly other non-tendril types from Temnos.

Carrian mints also produced Alexander coinage. Although no proper die study of Alabandian Alexanders has been attempted, minting of the type seems to have occurred from c. 185 – 167, during the supremacy of Rhodes in Caria.¹⁰⁵ These dates correspond with Temnian activity, although some of the more common Temnian types (1676, 1678 and 1690) may have been created after Alabanda

100 Price, *The Coinage in the Name of Alexander the Great and Philip Arrhidaeus*, 237.

101 Mattingly, *From Coins to History: Selected Numismatic Studies*, 35.

102 Meadows, "The Eras of Pamphylia and the Seleucid Invasions of Asia Minor," 52 n.2.

103 Ibid., 78.

104 Ibid., 79.

105 Waggoner, "A New Wrinkle in the Hellenistic Coinage of Antioch / Alabanda," 289.

switched to an autonomous design sometime before before 140 BCE.¹⁰⁶

Further contemporary minting of Alexanders occurred in Ionia. Production of Alexanders at Chios was separated into four distinct periods, with 5 obverse dies in period 1 (280-270), 25 obverse dies in period 2 (270-220), 14 in period 3 (202/1 – 190), and 33 in period 4 (190 – 160).¹⁰⁷ The production of Temnos at the same time, excluding Price 1690 which postdates this period, was 55 obverse dies to the 33 known at Chios. Alexanders from Perge, ending production c. 191/0,¹⁰⁸ evidently had a long circulation period and the presence of these coins alongside Temnos in hoards speaks more for a broader distribution than any political or historical reason.

Caution should be taken in reading too much into the choice of a civic design over Alexanders, as it has been argued that such a shift could be attributed more to fashion and not indicative of a historical impetus.¹⁰⁹ Furthermore, the distribution of the coinage into Syria after the 170s is not necessarily the part of a direct payment of a minting polis and may have involved prior distributive or acquisition by a third party.¹¹⁰ Unfortunately, the paucity of formal die studies for many of the civic Alexander types makes direct comparisons to the scale of Temnian minting activity currently impossible.

Given that this paper is in a preliminary state, there are still some observations and conclusions that can be drawn from the available data. Temnian minting activity was sporadic, with distinct groupings of production which often contained more than one reverse type. The dating of 1667, 1670, and 1688 should be adjusted due to the obverse die linkages. More attention needs to be focused on the possible telescoping of 1673, 1674, and 1675 as a single type, unless definitive evidence to the contrary

106 Ibid., 286.

107 Bauslaugh, “The Posthumous Alexander Coinage of Chios,” 2–29.

108 Meadows, “The Eras of Pamphylia and the Seleucid Invasions of Asia Minor,” 77.

109 Oakley, “The Autonomous Wreathed Tetradrachms of Kyme, Aeolis,” 20.

110 Price, *The Coinage in the Name of Alexander the Great and Philip Arrhidaeus*, 241.

surfaces. The periods of most intensive production (by obverse dies) adhere closely to conflicts between Temnos and its neighbors, along with Attalid intrigues and the extensive internal turmoil within the Seleucid Empire. The historical context of Temnian minting activity, the lack of Temnian *cistophoroi*, and the political status of Aeolis in general strongly suggests that Temnos was an autonomous polis which produced currency destined for consumption and distribution external to the Attalid kingdom with an interest towards “international” acceptance. The presence of many other cities with similar minting activity reveals that Attalid territories, along with poleis in the Attalid sphere of influence, were not participants in a closed monetary system but were instead part of a broad patchwork of regional, autonomous, civic, and royal coinages that provided different functions and benefits in a largely mutually beneficial manner to the Attalids and the smaller civic institutions of Asia Minor.

Catalog
(Arranged by Reverse Minting Order)

Obv. Head of Heracles in lion skin cap r.

Rev. Zeus seated l on throne, holding eagle in r. and long scepter in l. ΑΛΕΞΑΝΔΡΟΥ

* = illustrated in plates

ID	Weight	Dies	Description	Reference
T1 *	15.58	O1 / R1	<LF> OINOCHOE. Price 1665.	Price (1991) 1665.
T2	—	O2 / R2	As last (same obv. die)	ANS Photo File, 113.6.
T3	16.97	O2 / R3	As last (same obv. die)	Freeman & Sear 12 (2005), 73.
T4	—	O2 / R4	As last	Hoover, Pamphylia (2010) 91.
T5	16.78	O2 / R4	As last (same obv. and rev. die)	ANS Photo File, Bement Sale I, Naville Geneva (1925) 757.
T6	16.78	O2 / R4	As last (same obv. and rev. die)	ANS Photo File, Glendining (1958) 1371.
T7	16.77	O2 / R5	As last (same obv. die)	Olcay and Seyrig, Mektepini (1965) 257.
T8*	16.8	O2 / R5	As last (same obv. and rev. die)	ANS Collection, 1951.35.2.
T9	16.73	O2 / R6	As last (same obv. die)	ANS Collection, 1951.90.7.
T10*	16.96	O3 / R7	As last	Olcay and Seyrig, Mektepini (1965), 256.
T11*	—	O4 / R8	As last	ANS Photo File, Neg. 101.10.
T12*	15.95	O5 / R9	<LF> ΜΡ, OINOCHOE. Price —. (same obv. die). c.f Price 1684.	ANS collection, 1944.100.31415.
T13*	—	O5 / R10	<LF> ΙΙ Η, OINOCHOE. Price 1666.	ANS Photo File, 150.11.
T14*	16.67	O6 / R11	<LF> Α Μ, OINOCHOE. Price —. (same obv. die). c.f Price 1684.	ANS collection, 1944.100.31416.
T15*	—	O7 / R12	<LF> ΗΙ, OINOCHOE; <TH> Α (same obv. die). Price —.	Ariadne Galleries (1981), 114.
T16*	16.6	O7 / R13	<LF> ΑΙ, OINOCHOE; <TH> Α (same obv. die). Price 1670.	ANS Photo File.
T17*	16.02	O7 / R14	<LF> ΑΙ, OINOCHOE; <TH> Α (same obv. die). Price —. cf. Price 1669.	Monedas Jesus Vico (1998) 67.
T18*	16.6	O7 / R15	As last (same obv. die)	ANS Collection, 1944.100.31417.
T19	15.48	O7 / R15	As last (same obv. and rev. die)	SNG Cop Supp (2002) 138.
T20	—	O7 / R16	As last (same obv. die)	Augé et al. Gaziantep (1997), 9.
T21	16.73	O7 / R16	As last (same obv. and rev. die)	Augé et al. Gaziantep (1997), 10.
T22	15.92	O7 / R17	As last (same obv. die)	Birkler & Waddell (1979), 95.
T23	16.4	O7 / R17	As last (same obv. and rev. die)	Kovacs 4 (1983), 75.
T24	—	O7 / R17	As last (same obv. and rev. die)	ANS Photo File, 129.6
T25	16.14	O7 / R17	As last (same obv. and rev. die)	Kürpfälzische Münzhandlung 27 (1984), 77.
T26	—	O7 / R17	As last (same obv. and rev. die)	Numismatik Lanz München 44 (1988), 191.
T27	16.72	O7 / R18	As last (same obv. die)	Price (1991) 1669.
T28	—	O7 / R18	As last (same obv. and rev. die)	Noble Numismatics (1999), 1871.

T29	15.76	O7 / R18	As last (same obv. and rev. die)	ANS Photo File, 136.14.
T30	—	O7 / R19	<LF>  , OINOCHOE. Price 1667. (same obv. die)	Meadows and Houghton, Gaziantep (2010), A973.
T31	—	O7 / R19	As last (same obv. and rev. die)	Busso 318 (1987), 1244.
T32*	16.7	O7 / R20	As last (same obv. die)	ANS Collection, 1951.19.7.
T33*	16.65	O8 / R21	<LF>  , OINOCHOE. Price 1668.	ANS Photo File, Neg. 35.1.
T34*	14.57	O9 / R22	<LF> EΔ, OINOCHOE BENEATH VINE-TENDRIL. Price 1671.	ANS Photo File, 5.3-A.U.B
T35	—	O9 / R23	As last (same obv. die)	Price (1991) 1671.
T36*	15.82	O10 / R23	As last (same rev. die)	Heidelberger Münzhandlung Herbert Grün e.K. 49 (2008), 26.
T37	16.52	O11 / R24	<LF> ΔH, OINOCHOE BENEATH VINE-TENDRIL; <RF> H – P. Price 1672.	Price (1991) 1672.
T38	16.49	O11 / R25	As last (same obv. die)	Le Rider, Suse (1965), Trésor 6, 619.
T39*	16.62	O11 / R25	As last (same obv. and rev. die)	ANS Collection, 1947.98.151.
T40	—	O11 / R26	As last (same obv. die)	Münzen & Medaillen, Gmbh 17 (2005), 1195.
T41	—	O11 / R27	As last (same obv. die)	Vedrines (1995), 55.
T42	15.71	O11 / R27	As last (same obv. and rev. die)	ANS Photo File, 34..
T43	16.21	O11 / R28	As last (same obv. die)	Nummorum Auctiones 6 (1997) 374.
T44	16.07	O11 / R29	As last (same obv. die)	ANS Photo File, De Luynes (1926?).
T45	—	O11 / R30	As last (same obv. die)	Seyrig, Trésors (1973), Trésor 15, 15,18.
T46*	—	O12 / R31	<LF>  , OINOCHOE BENEATH VINE-TENDRIL; <TH> AE. Price 1675.	Seyrig, Trésors (1973), Trésor 15, 15,20.
T47*	16.14	O12 / R32	As last (same obv. die)	Regling Babylon (1928), 27.
T48	—	O13 / R33	<LF> E Δ , OINOCHOE BENEATH VINE-TENDRIL. Price 1678.	Gorny and Mosch 170 (2008), 1294.
T49*	15.87	O13 / R34	As last (same obv. die)	ANS Collection, 1952.177.12.
T50*	—	O13 / R35	<LF>  , OINOCHOE BENEATH VINE-TENDRIL. Price —. (same obv. die). cf. Price 1676.	Meadows and Houghton, Gaziantep (2010), A994.
T51	15.95	O14 / R36	<LF> E Δ , OINOCHOE BENEATH VINE-TENDRIL. Price 1678.	ANS Photo File, Eric von Post Collection, Stockholm.
T52	15.78	O14 / R37	As last (same obv. die)	Lepczyk 43 (—), 569.
T53	—	O14 / R37	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek.
T54	—	O14 / R37	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, B1.
T55*	15.52	O14 / R38	As last (same obv. die)	ANS Collection, 1952.177.13.
T56	—	O14 / R39	As last (same obv. die)	ANS Photo File, Tell Kotchek.
T57	—	O14 / R40	As last (same obv. die)	Meadows and Houghton, Gaziantep (2010), A999.
T58	16.18	O14 / R40	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, B2.

T59	16.08	O14 / R41	As last (same obv. die)	ANS Photo File, Tell Kotchek, B3.
T60	—	O14 / R42	As last (same obv. die)	CNG 67 (2004), 424.
T61*	16.26	O15 / R36	As last	Le Rider, Suse (1965), Trésor 6, 614,7.
T62	—	O14 / R37	As last	ANS Collection, 1951.35.25.
T63	15.41	O14 / R37	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek.
T64	—	O16 / R43	As last	ANS Photo File, Tell Kotchek.
T65	16.43	O15 / R43	As last (same rev. die)	Price (1991) 1678 B.
T66	16.63	O16 / R44	As last	SNG Saroglos (2005), 427.
T67	—	O16 / R45	As last (same obv. die)	Augé et al. Gaziantep (1997), 14.
T68	16.67	O16 / R45	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek.
T69	16.2	O16 / R45	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, C1.
T70	—	O16 / R46	As last (same obv. die)	Crédit de la Bourse SA (1994), 29.
T71	16.42	O16 / R47	As last (same obv. die)	Heritage World Coin Auctions 3012 (2011), 24429.
T72	—	O16 / R47	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, C2.
T73	—	O16 / R47	As last (same obv. and rev. die)	Freeman & Sear 12 (2005), 77.
T74*	16.45	O16 / R48	As last (same obv. die)	ANS Collection, 1951.35.24.
T75	15.71	O16 / R48	As last (same obv. and rev. die)	Le Rider, Suse (1965), Trésor 6, 614,5.
T76	16.58	O16 / R48	As last (same obv. and rev. die)	CNG 36 (1995), 1823.
T77	—	O16 / R48	As last (same obv. and rev. die)	CNG 161 (2007), 30.
T78	—	O16 / R49	As last (same obv. die)	ANS Photo File, Tell Kotchek.
T79*	—	O17 / R50	As last	ANS Collection, 1944.100.31430.
T80	16.43	O17 / R50	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek.
T81	16.78	O16 / R50	As last (same rev. die)	Künker 27 (1994), 133.
T82	—	O16 / R50	As last (same obv. and rev. die)	ANS Photo File, Aechan (1930), 1233.
T83	16.62	O15 / R51	As last	Münzen & Medaillen, Gerhard Hirsch 93 (1975), 3037.
T84	—	O15 / R52	As last (same obv. die)	Le Rider, Suse (1965), Trésor 6, 614,8.
T85	15.88	O18 / R53	As last	Gorny and Mosch 191 (2010), 1297.
T86	—	O18 / R54	As last (same obv. die)	SNG Keckman, Part 2 (1999), 15.
T87	16.59	O18 / R55	As last (same obv. die)	CNG 104 (2004), 31.
T88	—	O18 / R55	As last (same obv. and rev. die)	Victor Gadoury (1985), 25.
T89	—	O18 / R56	As last (same obv. die)	ANS Photo File, Tell Kotchek.
T90*	16.66	O18 / R57	As last (same obv. die)	ANS Collection, 1953.4.1.
T91	16.64	O16 / R57	As last (same rev. die)	ANS Collection, 1947.98.154.
T92	—	O16 / R57	As last (same obv. and rev. die)	Le Rider, Suse (1965), Trésor 6, 614,1.
T93	—	O17 / R58	As last	ANS Collection, 1944.100.31421. (This appears to be a duplicate number on the coin boxes at the ANS).
T94	16.98	O17 / R58	As last (same obv. and rev. die)	SNG München 10/11 Heft (2001), 494.
T95	—	O17 / R58	As last (same obv. and rev. die)	CNG 260 (2011), 224.
T96	—	O17 / R59	As last (same obv. die)	ANS Photo File, Tell Kotchek, A2.
T97	—	O17 / R60	As last (same obv. die)	Meadows and Houghton, Gaziantep (2010), A996.

T98	15.83	O17 / R60	As last (same obv. and rev. die)	Jean Elsen 110 (2011), 166.
T99	16.23	O17 / R60	As last (same obv. and rev. die)	Craig A Whitford Numismatic Auctions (1994), 60.
T100	—	O17 / R60	As last (same obv. and rev. die)	CNG 224 (2009), 190.
T101	—	O17 / R61	As last (same obv. die)	Meadows and Houghton, Gaziantep (2010), A995.
T102	11	O17 / R61	As last (same obv. and rev. die)	Asta 28 (1992), 178.
T103	—	O17 / R61	As last (same obv. and rev. die)	Elayi, la Bequa (1999), 3.
T104	15.04	O17 / R61	As last (same obv. and rev. die)	Price (1991) 1678 A.
T105	—	O17 / R62	As last (same obv. die)	ANS Photo File, Tell Kotchek, A3.
T106	15.9	O17 / R63	As last (same obv. die)	ANS Photo File, Tell Kotchek, A1.
T107	16.82	O17 / R64	As last (same obv. die)	Harlan J. Berk (—), 10.
T108	—	O17 / R64	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, A5.
T109	16.67	O17 / R65	As last (same obv. die)	Bonhams (—), 110.
T110	—	O17 / R65	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, A4.
T111	—	O17 / R65	As last (same obv. and rev. die)	Le Rider, Bassit (1978), 3.
T112	16.58	O17 / R66	As last (same obv. die)	ANS Collection, 1951.35.23.
T113	—	O17 / R66	As last (same obv. and rev. die)	Numismatik Lanz München 58 (1991), 204.
T114	—	O17 / R66	As last (same obv. and rev. die)	CGB.fr Monnaies 16 (2002), 57.
T115	16.43	O17 / R66	As last (same obv. and rev. die)	Claude Burgan Numismatique (1991), 394.
T116	—	O17 / R66	As last (same obv. and rev. die)	Le Rider, Suse (1965), Trésor 6, 614,6.
T117*	—	O19 / R67	As last	Meadows and Houghton, Gaziantep (2010), A997.
T118	—	O20 / R68	As last	ANS Collection, 1952.177.14.
T119	—	O20 / R68	As last (same obv. and rev. die)	Jesus Vico (—), 113.
T120	16.46	O13 / R69	<LF> AE , OINOCHOE BENEATH VINE-TENDRIL. Price 1676.	Münzen & Medaillen, Gerhard Hirsch 187 (1995), 268.
T121	16.16	O13 / R70	As last (same obv. die)	ANS Photo, Provided by Meadows (2012).
T122	16.54	O13 / R70	As last (same obv. and rev. die)	Münzen & Medaillen 42 (1967), 71.
T123	16.97	O13 / R71	As last (same obv. die)	Coin Galleries (2008), 548.
T124	17	O13 / R72	As last (same obv. die)	Le Rider, Suse (1965), Trésor 6, 615,9.
T125	16.3	O13 / R72	As last (same obv. and rev. die)	Auctioenes S.A (1985), 78.
T126	—	O13 / R73	As last (same obv. die)	Meadows and Houghton, Gaziantep (2010), A993 = Heritage Auctions, Inc (2004), 12038.
T127	—	O13 / R73	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, E1.
T128	—	O13 / R73	As last (same obv. and rev. die)	Numismatic Fine Arts 33 (1994), 1304.
T129	16.84	O13 / R74	As last (same obv. die)	ANS Collection, 1948.19.909.
T130	16.09	O13 / R75	As last (same obv. die)	Le Rider, Suse (1965), Trésor 6, 615,8.
T131	16.1	O14 / R76	As last	ANS Collection, 1952.177.5.
T132	—	O21 / R77	As last	ANS Photo File, Tell Kotchek, H1.
T133*	16.57	O21 / R78	As last (same obv. die)	ANS Collection, 1952.177.8.
T134	16.32	O21 / R78	As last (same obv. and rev. die)	Le Rider, Suse (1965), Trésor 6, 615,14.
T135	16.34	O21 / R78	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, H3.

T136	16.26	O21 / R78	As last (same obv. and rev. die)	ANS Photo File, 4.5.AUB.
T137	16.36	O21 / R78	As last (same obv. and rev. die)	Mithra Ancient Coins Ebay Sale (2012), 380446335300.
T138	16.69	O21 / R79	As last (same obv. die)	ANS Photo File, Tell Kotchek, H2.
T139	—	O21 / R79	As last (same obv. and rev. die)	ANS Collection, 1944.100.31422.
T140	16.79	O22 / R80	As last	Meadows and Houghton, Gaziantep (2010), A987.
T141*	15.89	O22 / R80	As last (same obv. and rev. die)	ANS Photo File, Bement Sale 1, (1925), 758.
T142	15.97	O21 / R80	As last (same rev. die)	ANS Photo File, Tell Kotchek.
T143	—	O21 / R80	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, H4.
T144	16.72	O21 / R80	As last (same obv. and rev. die)	Lorber, Demetrius I (2010), 226.
T145	—	O21 / R81	As last (same obv. die)	ANS Photo File, Hess (1921), 333.
T146*	15.87	O23 / R82	As last	ANS Collection, 1944.100.31424.
T147	—	O23 / R83	As last (same obv. die)	CNG 179 (2008), 15.
T148	16.53	O23 / R84	As last (same obv. die)	Price (1991) 1676 A.
T149	16.42	O23 / R84	As last (same obv. and rev. die)	Heritage World Coin Auctions 397 (2006), 12009. = ANS Photo File, Tell Kotchek II.
T150*	—	O24 / R85	As last	CNG 262 (2011), 124.
T151	—	O24 / R85	As last (same obv. and rev. die)	Price (1991) 1676 B.
T152	—	O24 / R85	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, A2.
T153	—	O24 / R85	As last (same obv. and rev. die)	ANS Photo File, A2.
T154	16.9	O24 / R86	As last (same obv. die)	ANS Photo File, Tell Kotchek.
T155	15.92	O24 / R87	As last (same obv. die)	Noble Numismatics (2004), 3183.
T156	16.67	O25 / R88	As last	ANS Photo File, Tell Kotchek.
T157	—	O25 / R88	As last (same obv. and rev. die)	Josiane Vedrines (1992), 27.
T158	—	O23 / R89	As last	ANS Collection, 1952.177.9.
T159	—	O23 / R89	As last (same obv. and rev. die)	UBS Gold & Numismatics (2004), 5381.
T160	16.61	O23 / R89	As last (same obv. and rev. die)	Jean Elsen 69 (2002), 147.
T161	15.87	O24 / R89	As last (same rev. die)	Stack's 163 (2011), 20804.
T162	—	O24 / R89	As last (same obv. and rev. die)	ANS Collection, 1952.177.3 = ANS Photo File, Tell Kotchek, A6.
T163	16.47	O25 / R89	As last (same rev. die)	Palmyra Heritage Morris Khouli Gallery, Ebay sale (2012), 30067215881.
T164	—	O25 / R89	As last (same obv. and rev. die)	Münzenhandlung Dr. Busso Peus 261 (1960), 786.
T165	16.6	O24 / R90	As last	Freeman & Sear 12 (2005), 75.
T166*	—	O25 / R90	As last (same rev. die)	ANS Collection, 1952.177.10.
T167	—	O24 / R91	As last	ANS Collection, 1944.100.31427.
T168	16.35	O24 / R91	As last (same obv. and rev. die)	Münchner Münzhandlung Karl Kreß 161 (1974), 194.
T169	—	O24 / R91	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek.
T170	16.46	O24 / R91	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, A5.
T171	—	O24 / R91	As last (same obv. and rev. die)	Freeman & Sear 12 (2005), 74.
T172	16.15	O13 / R92	As last	CNG 259 (2011), 113.

T173	16.8	O13 / R92	As last (same obv. and rev. die)	Auktionshaus H.D. Rauch (2009), D 148.
T174	—	O13 / R92	As last (same obv. and rev. die)	ANS Collection, 1952.177.6.
T175	—	O24 / R92	As last (same rev. die)	Künker 89 (2004), 1354.
T176	16.37	O24 / R92	As last (same obv. and rev. die)	ANS Collection, 1944.100.31421. (This appears to be a duplicate number on the coin boxes at the ANS) = “Parthian Hoard” #2.
T177	—	O13 / R93	As last	ANS Collection, 1944.100.31423.
T178	16.58	O13 / R93	As last (same obv. and rev. die)	Frank S. Robinson 33 (1995), 74.
T179	16.77	O13 / R93	As last (same obv. and rev. die)	John R. Gainor (1994), 16.
T180	—	O24 / R94	As last	Schweizerische Kreditsanstalt 7 (1987), 221.
T181	16.21	O24 / R94	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, A4.
T182	16.83	O24 / R94	As last (same obv. and rev. die)	Meadows and Houghton, Gaziantep (2010), A991.
T183	15.79	O24 / R95	As last (same obv. die)	Classical Numismatic Auctions 9 (1989), 44.
T184	15.5	O24 / R95	As last (same obv. and rev. die)	Freeman & Sear Gemini 1 (2005), 81.
T185	16.4	O24 / R95	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, A1.
T186	16.36	O24 / R95	As last (same obv. and rev. die)	ANS Collection, 1944.100.31426.
T187	16.58	O24 / R96	As last (same obv. die)	SNG München 10/11 Heft (2001), 493.
T188	16.59	O24 / R97	As last (same obv. die)	Freeman & Sear 12 (2005), 76.
T189	—	O24 / R97	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, A3.
T190	—	O24 / R97	As last (same obv. and rev. die)	ANS Collection, 1944.100.31420.
T191	16.46	O26 / R97	As last (same rev. die)	ANS Photo, Provided by Meadows (2012).
T192	16.37	O22 / R98	As last	Augé et al. Gaziantep (1997), 11.
T193	16.22	O22 / R98	As last (same obv. and rev. die)	Alex G. Malloy 31 (1990), 87.
T194	16.75	O22 / R98	As last (same obv. and rev. die)	Glendining & Co. (1971), 36.
T195	16.81	O22 / R99	As last (same obv. die)	Glendining & Co. (1980), 15.
T196	16.57	O22 / R99	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek.
T197	16.91	O22 / R100	As last (same obv. die)	Giessener Münzhandlung 42 (1988), 184.
T198	16.11	O22 / R100	As last (same obv. and rev. die)	CNG 27 (1993), 439.
T199	16.48	O22 / R100	As last (same obv. and rev. die)	Freeman & Sear 1 (1995), 155.
T200	—	O22 / R100	As last (same obv. and rev. die)	Fritz Rudolf Künker GmbH & Co. 104 (2005), 242.
T201	16.53	O22 / R100	As last (same obv. and rev. die)	M. Ratto, (1935), 8.
T202	16.5	O22 / R101	As last (same obv. die)	Meadows and Houghton, Gaziantep (2010), A984.
T203	16.74	O22 / R101	As last (same obv. and rev. die)	ANS Collection, 1951.35.26.
T204	—	O22 / R101	As last (same obv. and rev. die)	Müller Solingen 46 (1984), 50.
T205	16.59	O22 / R101	As last (same obv. and rev. die)	ANS Photo File, Harvey Hurii Collection.
T206	13.85	O22 / R102	As last (same obv. die)	Le Rider, Suse (1965), Trésor 6, 615,13.
T207	—	O22 / R102	As last (same obv. and rev. die)	ANS Photo File, Museo Civico, Torino, Fab. 253.
T208	16.86	O22 / R102	As last (same obv. and rev. die)	Le Rider, Bassit (1978), 4.
T209	16.6	O22 / R103	As last (same obv. die)	ANS Photo File, Lepegyk (1976), 1075.
T210	—	O22 / R103	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, C5.

T211	—	O22 / R104	As last (same obv. die)	Asta 11 (2002).
T212	16.66	O22 / R104	As last (same obv. and rev. die)	Bourgey (1979), 39.
T213	16.2	O22 / R105	As last (same obv. die)	Meadows and Houghton, Gaziantep (2010), A988.
T214	16.46	O22 / R105	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, C3.
T215	16.5	O22 / R106	As last (same obv. die)	Superior Galleries (1998), 1478.
T216	16.52	O22 / R107	As last (same obv. die)	Freeman & Sear 1 (1995), 156.
T217	—	O22 / R108	As last (same obv. die)	CNG 37 (1996), 205.
T218	16.57	O22 / R109	As last (same obv. die)	ANS Collection, 1944.100.31428.
T219	16.75	O22 / R110	As last (same obv. die)	ANS Collection, 1947.98.153.
T220	15.64	O22 / R110	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek.
T221	—	O22 / R110	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, C2.
T222	16.94	O22 / R111	As last (same obv. die)	Meadows and Houghton, Gaziantep (2010), A986.
T223	15.5	O22 / R111	As last (same obv. and rev. die)	Le Rider, Suse (1965), Trésor 6, 615,6.
T224	16.44	O22 / R111	As last (same obv. and rev. die)	H. Grunthal (1946), 349.
T225	—	O22 / R111	As last (same obv. and rev. die)	Numismatik Lanz München 58 (1991), 203.
T226	16.51	O22 / R111	As last (same obv. and rev. die)	Numismatik Lanz München 125 (2005), 254.
T227	15.46	O22 / R111	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, C1.
T228	—	O22 / R112	As last (same obv. die)	Meadows and Houghton, Gaziantep (2010), A985.
T229	16.45	O22 / R112	As last (same obv. and rev. die)	Augé et al. Gaziantep (1997), 12.
T230	16.33	O22 / R112	As last (same obv. and rev. die)	Le Rider, Suse (1965), Trésor 6, 615,12.
T231	16.55	O22 / R112	As last (same obv. and rev. die)	Baldwin's 4 (1995), 20.
T232	16.61	O22 / R112	As last (same obv. and rev. die)	Numismonnaies (1991), 246.
T233	16.5	O22 / R112	As last (same obv. and rev. die)	Joel L. Malter & Co. (1971), 287.
T234	16.17	O22 / R113	As last (same obv. die)	ANS Photo File, Tell Kotchek, C4.
T235	15.96	O22 / R114	As last (same obv. die)	ANS Collection, 1944.100.31429.
T236	15.85	O22 / R115	As last (same obv. die)	CNG 35 (1995), 106.
T237	16.65	O26 / R116	As last	SNG Saroglos (2005), 425.
T238	—	O26 / R116	As last (same obv. and rev. die)	Seyrig, Trésors (1973), Trésor 15, 15,74.
T239	—	O26 / R117	As last (same obv. die)	Meadows and Houghton, Gaziantep (2010), A992.
T240	—	O26 / R117	As last (same obv. and rev. die)	Le Rider, Suse (1965), Trésor 6, 615,15.
T241*	—	O26 / R117	As last (same obv. and rev. die)	ANS Collection, 1952.177.4.
T242	—	O26 / R117	As last (same obv. and rev. die)	Ader & Vincchon (1961), 135.
T243	—	O26 / R117	As last (same obv. and rev. die)	Ariadne Galleries (1982), 49.
T244	—	O26 / R117	As last (same obv. and rev. die)	Freeman & Sear 10 (2004), 121.
T245	16.39	O26 / R118	As last (same obv. die)	ANS Collection, 1944.100.31419.
T246	16.45	O26 / R118	As last (same obv. and rev. die)	SNG Aarhus. Heft 2. (1987), 742.
T247	16.79	O26 / R118	As last (same obv. and rev. die)	Numismatik Lanz München 58 (1991), 202.
T248	15.94	O26 / R118	As last (same obv. and rev. die)	Lorber, Demetrius I (2010), 223.
T249	16.02	O26 / R118	As last (same obv. and rev. die)	ANS Photo File, 5.1 – Lab. Mus.

T250	16.36	O26 / R119	As last (same obv. die)	Albrecht & Hoffmann GmbH 44 (1981), 255.
T251	16.4	O26 / R119	As last (same obv. and rev. die)	Numismatik Lanz München 123 (2005), 198.
T252	—	O26 / R119	As last (same obv. and rev. die)	CNG 75 (2007), 134.
T253	16.4	O26 / R119	As last (same obv. and rev. die)	ANS Photo File, 5.2 – Lab. Mu.
T254	16.36	O26 / R120	As last (same obv. die)	Jeffrey Hoare 25 (1992), 10.
T255	—	O26 / R120	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek.
T256	16.89	O26 / R120	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, B2.
T257	16.24	O26 / R120	As last (same obv. and rev. die)	A. Tkalec AG (2007), 38.
T258	16.34	O26 / R120	As last (same obv. and rev. die)	Coin Galleries (1992), 69.
T259	—	O26 / R120	As last (same obv. and rev. die)	ANS Photo File, Seaby II (1929), 287.
T260	—	O27 / R121	As last	ANS Collection, 1952.177.11.
T261	—	O26 / R121	As last (same rev. die)	CNG 257 (2011), 126.
T262*	16.25	O27 / R122	As last	ANS Collection, 1947.97.281.
T263	—	O27 / R122	As last (same obv. and rev. die)	Münzen & Medaillen, Gerhard Hirsch 161 (1989), 155.
T264	16.76	O27 / R122	As last (same obv. and rev. die)	M. Jean Vinchon 10 (1962), 177.
T265	16.4	O27 / R122	As last (same obv. and rev. die)	Claude Burgan Numismatique (1993), 86.
T266	—	O27 / R122	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek.
T267	16.58	O27 / R122	As last (same obv. and rev. die)	ANS Photo File, G. Hirsch (1972), 107.
T268	17.09	O27 / R123	As last (same obv. die)	Meadows and Houghton, Gaziantep (2010), A980.
T269	16.55	O27 / R124	As last (same obv. die)	Meadows and Houghton, Gaziantep (2010), A977.
T270	16.37	O27 / R124	As last (same obv. and rev. die)	Meadows and Houghton, Gaziantep (2010), A978.
T271	16.54	O27 / R124	As last (same obv. and rev. die)	Meadows and Houghton, Gaziantep (2010), A979.
T272	16.73	O27 / R124	As last (same obv. and rev. die)	Kürpfälzische Münzhandlung 25 (1983), 88.
T273	—	O27 / R124	As last (same obv. and rev. die)	Elayi, la Bequa (1999), 2.
T274	16.47	O27 / R124	As last (same obv. and rev. die)	Schweizerischer Bankverein 30 (1992), 30.
T275	16.63	O27 / R124	As last (same obv. and rev. die)	Clark's Ancient Coins 101 (1997), 8.
T276	—	O27 / R124	As last (same obv. and rev. die)	Christie's (1993), 40.
T277	16.09	O27 / R124	As last (same obv. and rev. die)	Harlan J. Berk 58 (1989), 132.
T278	—	O28 / R125	As last	Meadows and Houghton, Gaziantep (2010), A983.
T279	16.08	O28 / R125	As last (same obv. and rev. die)	CNG 88 (2011), 322.
T280	16.66	O28 / R125	As last (same obv. and rev. die)	Crédit de la Bourse SA (1997), 38.
T281	—	O28 / R125	As last (same obv. and rev. die)	ANS Photo File, Harvey Hurii Coll.
T282	—	O28 / R125	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek.
T283	16.7	O28 / R126	As last (same obv. die)	Künker 89 (2004), 1353.
T284	16.89	O28 / R126	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, F4.
T285	16.02	O28 / R126	As last (same obv. and rev. die)	ANS Photo File, Dehaual Stockholm.
T286	—	O28 / R127	As last (same obv. die)	ANS Photo File, Tell Kotchek, D1.
T287	—	O28 / R128	As last (same obv. die)	CNG 144 (2006), 73.

T288	—	O28 / R128	As last (same obv. and rev. die)	Aureo (1999), 2030.
T289	—	O28 / R129	As last (same obv. die)	Münzen & Medaillen, Gerhard Hirsch 125 (1981), 3100.
T290	—	O28 / R130	As last (same obv. die)	Le Rider, Suse (1965), Trésor 6, 615,7.
T291	16.8	O28 / R131	As last (same obv. die)	Meadows and Houghton, Gaziantep (2010), A982.
T292	—	O28 / R131	As last (same obv. and rev. die)	Hans Schulman (1960), 227.
T293	—	O28 / R131	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, F1.
T294	16.73	O28 / R132	As last (same obv. die)	CNG 175 (2007), 23.
T295	16.01	O28 / R133	As last (same obv. die)	ANS Photo, Provided by Meadows (2012).
T296	—	O28 / R133	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, F2.
T297	16.54	O28 / R134	As last (same obv. die)	Freeman & Sear 10 (2004), 122.
T298	—	O28 / R135	As last (same obv. die)	Bourgey (1985), 18.
T299	—	O28 / R136	As last (same obv. die)	ANS Photo File, Tell Kotchek.
T300*	—	O28 / R137	As last (same obv. die)	ANS Collection, 1952.177.7.
T301	16.45	O28 / R138	As last (same obv. die)	Meadows and Houghton, Gaziantep (2010), A981.
T302	16.87	O28 / R138	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek.
T303	—	O28 / R138	As last (same obv. and rev. die)	Le Rider, Bassit (1978), 5.
T304	16.34	O29 / R139	As last	Kürpfälzische Münzhandlung 25 (1983), 87.
T305	15.85	O29 / R139	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek.
T306	—	O29 / R139	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, G1.
T307	16.84	O29 / R139	As last (same obv. and rev. die)	Freeman & Sear 14 (2007), 142.
T308	—	O29 / R140	As last (same obv. die)	Jean Elsen 110 (2011), 165.
T309	16.58	O29 / R140	As last (same obv. and rev. die)	Münzen & Medaillen, Gerhard Hirsch 43 (1965), 1099.
T310	—	O29 / R140	As last (same obv. and rev. die)	Augé et al. Gaziantep (1997), 13.
T311	—	O29 / R140	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, G2.
T312	—	O29 / R141	As last (same obv. die)	Jaques Schulman 254 (1971), 3035.
T313	—	O29 / R141	As last (same obv. and rev. die)	Freeman & Sear 10 (2004), 120.
T314	—	O29 / R141	As last (same obv. and rev. die)	CNG 180 (2008), 13.
T315	—	O29 / R142	As last (same obv. die)	Superior Galleries (1990), 12.
T316	15.62	O29 / R142	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, G3.
T317*	—	O29 / R143	As last (same obv. die)	ANS Collection, 1944.100.31425.
T318	16.65	O29 / R144	As last (same obv. die)	Meadows and Houghton, Gaziantep (2010), A989.
T319	15.36	O29 / R144	As last (same obv. and rev. die)	SNG Saroglos (2005), 426.
T320	—	O29 / R145	As last (same obv. die)	Meadows and Houghton, Gaziantep (2010), A990.
T321	16.61	O29 / R145	As last (same obv. and rev. die)	ANS Photo, Provided by Meadows (2012).
T322	16.11	O29 / R146	As last (same obv. die)	ANS Photo File, Tell Kotchek.
T323*	—	O30 / R147	As last	Auktionshaus H.D. Rauch 53 (1994), 66.
T324	16.65	O31 / R148	<LF> AE L , OINOCHOE BENEATH VINE-TENDRIL. Price 1679.	ANS Photo File, 32.

T325	16.63	O31 / R149	As last (same obv. die)	Augé et al. Gaziantep (1997), 15.
T326	16.77	O31 / R149	As last (same obv. and rev. die)	Imperial (1993), 15.
T327*	16.72	O31 / R149	As last (same obv. and rev. die)	ANS Collection, 1978.64.133.
T328	—	O31 / R150	As last (same obv. die)	ANS Collection, 1978.64.132.
T329	—	O31 / R150	As last (same obv. and rev. die)	Hans Schulman Volume 1 (1964), 1202.
T330	16.42	O31 / R151	<LF> AEI , OINOCHOE BENEATH VINE-TENDRIL. Price 1680. (same obv. die)	Gorny and Mosch 196 (2011), 1417.
T331	16.59	O31 / R151	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek.
T332	16	O31 / R152	As last (same obv. die)	Kürpfälzische Münzhandlung 25 (1983), 89.
T333	—	O31 / R153	As last (same obv. die)	Numismatik Lanz München 58 (1991), 207.
T334	15.82	O31 / R154	As last (same obv. die)	Numismatik Lanz München 62 (1992), 315.
T335	11	O31 / R155	As last (same obv. die)	ANS Photo File, Tell Kotchek.
T336	—	O31 / R155	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, A1.
T337	—	O31 / R155	As last (same obv. and rev. die)	SNG München 10/11 Heft (2001), 495.
T338	—	O31 / R156	As last (same obv. die)	ANS Photo File, Tell Kotchek, A6.
T339	16.22	O31 / R157	As last (same obv. die)	ANS Collection, 1952.177.22.
T340	16.67	O31 / R158	As last (same obv. die)	Jean Elsen 60 (1999), 166.
T341	16.79	O31 / R158	As last (same obv. and rev. die)	ANS Photo File, Eric von Post Collection, Stockholm.
T342	16.23	O31 / R159	As last (same obv. die)	ANS Photo File, Dehaual Stockholm.
T343	—	O32 / R159	As last (same rev. die)	ANS Photo File, Tell Kotchek.
T344	16.59	O31 / R160	As last	Art Coins Roma 5 (2012), 178.
T345	16.59	O31 / R160	As last (same obv. and rev. die)	Le Rider, Suse (1965), Trésor 6, 616,6.
T346	—	O31 / R161	<LF> AEI , OINOCHOE BENEATH VINE-TENDRIL. Price 1679. (same obv. die)	ANS Photo File, Museo Civico, Torino Fab. 2531, 15.
T347	—	O31 / R162	As last (same obv. die)	Stacks (2012), 154.
T348	16.6	O31 / R163	<LF> AEI , OINOCHOE BENEATH VINE-TENDRIL. Price 1680. (same obv. die)	ANS Photo File, Tell Kotchek, A4.
T349		O31 / R164	As last (same obv. die)	ANS Photo File, Tell Kotchek, A5.
T350	—	O31 / R164	As last (same obv. and rev. die)	Meadows and Houghton, Gaziantep (2010), A1008.
T351	—	O31 / R165	As last (same obv. die)	Meadows and Houghton, Gaziantep (2010), A1007.
T352	15.91	O32 / R166	<LF> AEI , OINOCHOE BENEATH VINE-TENDRIL. Price 1679.	Price (1991) 1679.
T353	16.02	O32 / R167	As last (same obv. die)	Augé et al. Gaziantep (1997), 16.
T354	16.89	O32 / R168	As last (same obv. die)	ANS Photo File, Tell Kotchek.
T355	16.51	O32 / R169	<LF> AEI , OINOCHOE BENEATH VINE-TENDRIL. Price 1680. (same obv. die)	Gorny and Mosch 142 (2005), 1355.
T356	16.47	O32 / R169	As last (same obv. and rev. die)	Le Rider, Suse (1965), Trésor 6, 616,7.
T357	16.59	O32 / R169	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek.
T358*	16.39	O32 / R170	As last (same obv. die)	ANS Collection, 1944.100.31440.

T359	16.8	O32 / R170	As last (same obv. and rev. die)	Kürpfälzische Münzhandlung 24 (1983), 62.
T360	16.53	O32 / R171	As last (same obv. die)	Le Rider, Suse (1965), Trésor 6, 616,8.
T361	16.02	O32 / R171	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek.
T362	—	O32 / R171	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, C1.
T363	16.62	O32 / R172	As last (same obv. die)	ANS Photo File, Tell Kotchek.
T364	—	O32 / R173	As last (same obv. die)	Meadows and Houghton, Gaziantep (2010), A1009.
T365	—	O32 / R174	As last (same obv. die)	Barthold & Poplausky (1976), 36.
T366	16.19	O32 / R175	As last (same obv. die)	Poinsignon Numismatique (1985), 170.
T367	16.18	O32 / R176	As last (same obv. die)	Jeffrey Hoare 29 (1994), 11.
T368	16.72	O32 / R177	As last (same obv. die)	ANS Photo File, Tell Kotchek, C2.
T369	—	O32 / R178	As last (same obv. die)	Meadows and Houghton, Gaziantep (2010), A1010.
T370	16.2	O32 / R178	As last (same obv. and rev. die)	Craig A Whitford Numismatic Auctions (1993), 91.
T371	—	O32 / R178	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, C3.
T372	16.62	O32 / R179	<LF> AEΠ , OINOCHOE BENEATH VINE-TENDRIL. Price 1679. (same obv. die)	ANS Photo File, Tell Kotchek.
T373	16.58	O32 / R177	<LF> AEΠ , OINOCHOE BENEATH VINE-TENDRIL. Price 1680. (same obv. die)	ANS Collection, 1944.100.31437.
T374	16.11	O32 / R178	As last (same obv. die)	ANS Collection, 1944.100.31436.
T375	15.9	O32 / R180	As last (same obv. die)	Ira & Larry Goldberg 69 (2012), 3094.
T376	—	O32 / R180	As last (same obv. and rev. die)	ANS Collection, 1944.100.31439.
T377	—	O32 / R181	As last (same obv. die)	CGB.fr Monnaies 24 (2005), 90.
T378	16.31	O32 / R176	As last (same obv. die)	ANS Collection, 1946.124.3.
T379	—	O32 / R182	As last (same obv. die)	Numismatik Lanz München 38 (1986), 234.
T380	—	O32 / R183	As last (same obv. die)	ANS Photo File, Numismatica Wien (1975), 54.
T381	—	O32 / R184	As last (same obv. die)	ANS Collection, 1948.19.910.
T382	—	O33 / R185	As last	E.U.E Le Carie (1954), 45.
T383	—	O33 / R185	As last (same obv. and rev. die)	Monnaies et Medailles SA (1988), 151.
T384	16.35	O33 / R186	As last (same obv. die)	CNG 35 (1995), 107.
T385	—	O33 / R187	As last (same obv. die)	Augé et al. Gaziantep (1997), 17.
T386	—	O33 / R187	As last (same obv. and rev. die)	Lorber, Demetrius I (2010), 180.
T387	15.78	O33 / R188	As last (same obv. die)	CNG 76 (2007), 290.
T388	16.71	O33 / R189	As last (same obv. die)	Seyrig, Trésors (1973), Trésor 15, 15,27.
T389*	—	O33 / R189	As last (same obv. and rev. die)	ANS Collection, 1944.100.31438.
T390	—	O34 / R189	As last (same rev. die)	ANS Photo, Provided by Meadows (2012).
T391	16.44	O33 / R190	As last	ANS Photo File, Tell Kotchek.
T392*	16.55	O34 / R190	As last (same rev. die)	ANS Collection, 1952.177.23.
T393	15.93	O34 / R191	As last (same obv. die)	Le Rider, Suse (1965), Trésor 6, 616,3.
T394	—	O34 / R191	As last (same obv. and rev. die)	CNG 263 (2011), 101.
T395	16.46	O34 / R192	As last (same obv. die)	Davissons 14 (2000), 136.

T396	16.74	O34 / R191	As last (same obv. die)	Augé et al. Gaziantep (1997), 18.
T397	16.2	O34 / R191	As last (same obv. and rev. die)	Ira & Larry Goldberg 69 (2012), 3073.
T398*	—	O35 / R193	<LF> ΧΑΙ, OINOCHOE BENEATH VINE-TENDRIL. Price 1683.	Seyrig, Trésors (1973), Trésor 15, 15,21.
T399	16.38	O36 / R194	<LF> ΗΦΩ, OINOCHOE BENEATH VINE-TENDRIL. Price 1687.	ANS Collection, 1952.177.27.
T400	—	O36 / R195	<LF> ΧΑΙ, OINOCHOE BENEATH VINE-TENDRIL. Price 1683. (same obv. die).	Münzen & Medaillen, Gerhard Hirsch 198 (1998), 134
T401	16.35	O36 / R196	As last (same obv. die)	Tom Cederlind 158 (2011), 99.
T402	—	O36 / R196	As last (same obv. and rev. die)	ANS Collection, 1951.35.22.
T403*	—	O36 / R197	As last (same obv. die)	ANS Collection, 1944.100.31435.
T404	—	O36 / R198	As last (same obv. die)	Meadows and Houghton, Gaziantep (2010), A1013.
T405	15.68	O36 / R199	<LF> ΗΦΩ, OINOCHOE BENEATH VINE-TENDRIL. Price 1687. (same obv. die).	ANS Photo File, Tell Kotchek.
T406	16.54	O36 / R199	As last (same obv. and rev. die)	Münzhandlung Gmbh 148 (1997), 50.
T407	—	O36 / R200	<LF> ΧΑΙ, OINOCHOE BENEATH VINE-TENDRIL. Price 1683. (same obv. die)	Augé et al. Gaziantep (1997), 19.
T408	16.45	O36 / R200	As last (same obv. and rev. die)	CNG 76 (2007), 291.
T409	16.65	O37 / R201	<LF> ΗΦΩ, OINOCHOE BENEATH VINE-TENDRIL. Price 1687.	Numismatik Lanz München 58 (1991), 208.
T410	16.79	O37 / R201	As last (same obv. and rev. die)	Kölner Müzkabinett Tyll Kroha 77 (2002), 47.
T411	16.77	O37 / R202	As last (same obv. die)	Gorny and Mosch 191 (2010), 1298.
T412*	16.5	O37 / R203	As last (same obv. die)	ANS Collection, 1953.4.2.
T413	16.3	O37 / R204	As last (same obv. die)	Gorny and Mosch 104 (2000), 274.
T414*	16.12	O38 / R205	As last	Harlan J. Berk 58 (1989), 134.
T415*	—	O39 / R206	As last	ANS Photo File, Richemann 30, 454.
T416	16.6	O39 / R206	As last (same obv. and rev. die)	Seyrig, Trésors (1973), Trésor 15, 15,25.
T417	15.82	O39 / R207	As last (same obv. die)	Owl Ltd Sale 4 (1984), 19.
T418	16.54	O39 / R208	As last (same obv. die)	CNG 90 (2012), 580.
T419	—	O39 / R209	As last (same obv. die)	ANS Collection, 1952.177.26.
T420	—	O39 / R210	As last (same obv. die)	Jean Elsen 58 (1999), 878.
T421	—	O39 / R211	As last (same obv. die)	SNG Saroglos (2005), 429.
T422	—	O39 / R212	As last (same obv. die)	Meadows and Houghton, Gaziantep (2010), A1027.
T423	—	O39 / R213	As last (same obv. die)	ANS Collection, 1952.177.25.
T424	16.61	O39 / R213	As last (same obv. and rev. die)	CNG Triton 1 (1997), 424.
T425	—	O39 / R213	As last (same obv. and rev. die)	Meadows and Houghton, Gaziantep (2010), A1026 = Harlan J. Berk 86 (1995), 206.
T426*	16.92	O40 / R214	<LF> ΕΗΦ, OINOCHOE BENEATH VINE-TENDRIL. Price 1685.	Price (1991) 1685.

T427	16.85	O41 / R215 <LF>  , OINOCHOE BENEATH VINE-TENDRIL. Price 1686.	Superior Auction Galleries (1994), 1795.
T428	16.51	O41 / R216 As last (same obv. die)	Le Rider, Suse (1965), Trésor 6, 617,6.
T429	—	O41 / R216 As last (same obv. and rev. die)	Helios Numismatik 6 (2011), 44.
T430*	16.39	O41 / R217 As last (same obv. die)	ANS Collection, 1952.177.2.
T431	—	O41 / R217 As last (same obv. and rev. die)	Numismatik Lanz München 58 (1991), 205.
T432	15.63	O41 / R218 As last (same obv. die)	ANS Photo File, Tell Kotchek, C4.
T433	16.56	O41 / R218 As last (same obv. and rev. die)	W & FC Bonham & Sons (1998), 365.
T434	16.56	O41 / R218 As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, 657.
T435	16.7	O41 / R218 As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, 658.
T436	16.39	O41 / R217 As last (same obv. die)	Laurens Schulman 23 (1999), 1561.
T437	16.65	O41 / R217 As last (same obv. and rev. die)	Meadows and Houghton, Gaziantep (2010), 32.(Unable to match image with publication number).
T438	16.8	O41 / R219 As last (same obv. die)	SNG München 10/11 Heft (2001), 496.
T439	—	O41 / R219 As last (same obv. and rev. die)	Frank S. Robinson 43 (1999), 59.
T440	16.4	O41 / R219 As last (same obv. and rev. die)	Galerie Numismatique 4 (2004), 108.
T441	16.5	O41 / R219 As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, C2.
T442	16.43	O41 / R219 As last (same obv. and rev. die)	Meadows and Houghton, Gaziantep (2010), 31.(Unable to match image with publication number).
T443	—	O41 / R219 As last (same obv. and rev. die)	ANS Photo File, 34.3.
T444	—	O41 / R220 As last (same obv. die)	ANS Photo File, Tell Kotchek, C1.
T445	—	O41 / R218 As last (same obv. die)	Jeffrey Hoare / Torex (1989), 289.
T446	16.41	O41 / R218 As last (same obv. and rev. die)	Numismatik Lanz München 30 (1984), 164.
T447	—	O41 / R218 As last (same obv. and rev. die)	Münzen & Medaillen, Gerhard Hirsch 135 (1983), 98.
T448	16.7	O41 / R218 As last (same obv. and rev. die)	Münzen & Medaillen, Gerhard Hirsch 166 (1990), 182.
T449	16.74	O41 / R218 As last (same obv. and rev. die)	Meadows and Houghton, Gaziantep (2010), 34. (Unable to match image with publication number).
T450	—	O41 / R221 As last (same obv. die)	Coin Galleries (1961), 91.
T451	—	O41 / R221 As last (same obv. and rev. die)	Meadows and Houghton, Gaziantep (2010), 30. (Unable to match image with publication number).
T452	16.57	O41 / R222 As last (same obv. die)	SNG Saroglos (2005), 428.
T453	—	O42 / R222 As last (same rev. die)	Auktionshaus H.D. Rauch 53 (1994), 65.
T454	16.57	O42 / R222 As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, B1.
T455	—	O41 / R223 As last	CNG 31 (1994), 126.
T456	16.32	O41 / R224 As last (same obv. die)	Elayi, la Bequa (1999), 4.
T457	—	O42 / R225 As last	Nihon 7 (—), 14.
T458	16.66	O42 / R225 As last (same obv. and rev. die)	Nummorum Auctiones 15 (1999), 155.
T459	—	O42 / R225 As last (same obv. and rev. die)	CNG 203 (2009), 63.
T460	—	O42 / R226 As last (same obv. die)	E.U.E Le Carie (1954), 48.

T461	16.32	O42 / R226	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, B2.
T462	16.07	O42 / R227	As last (same obv. die)	ANS Photo File, Tell Kotchek, B4.
T463	16.74	O42 / R227	As last (same obv. and rev. die)	Numismatica Ars Classica F (1996), 1193.
T464	—	O42 / R228	As last (same obv. die)	ANS Photo File, Tell Kotchek.
T465	—	O42 / R229	As last (same obv. die)	ANS Photo File, K. Kress (1972), 328.
T466	16.53	O42 / R229	As last (same obv. and rev. die)	ANS Photo File, Houston FPL 54.
T467	16.78	O42 / R229	As last (same obv. and rev. die)	Numismatica Ars Classica H (1998), 1276.
T468	16.58	O42 / R230	As last (same obv. die)	ANS Photo File, 4.6 - Leb. Mas.
T469	16.58	O42 / R230	As last (same obv. and rev. die)	Meadows and Houghton, Gaziantep (2010), 33. (Unable to match image with publication number). = CNG Triton 8 (2005), 168.
T470	16.03	O42 / R231	As last (same obv. die)	Price (1991) 1686.
T471	16.34	O42 / R231	As last (same obv. and rev. die)	ANS Photo File, Karl Kress, (1973).
T472	16.27	O42 / R231	As last (same obv. and rev. die)	SNG Tübingen, Heft 2 (1982), 1100.
T473	15.5	O42 / R232	As last (same obv. die)	SNG Stockholm (1980), 1014.
T474	—	O42 / R233	As last (same obv. die)	Dr. Busso Peus 294 (1978), 263.
T475*	15.52	O42 / R233	As last (same obv. and rev. die)	ANS Collection, 1951.35.28.
T476	—	O42 / R233	As last (same obv. and rev. die)	Vinchon (1983), 84.
T477	16.5	O42 / R234	As last (same obv. die)	ANS Collection, 1984.5.108.
T478	16.43	O42 / R234	As last (same obv. and rev. die)	CNG 179 (2008), 17.
T479	16.27	O42 / R234	As last (same obv. and rev. die)	Meadows and Houghton, Gaziantep (2010), 37. (Unable to match image with publication number). = CNG 60 (2002), 297.
T480	16.27	O43 / R235	As last	Numismatik Lanz München 42 (1987), 219.
T481	16.71	O42 / R235	As last (same rev. die)	Malloy 31 (1990), 86.
T482	15.9	O42 / R236	As last (same obv. die)	World Coins Japan A (1995), 40.
T483	16.85	O42 / R236	As last (same obv. and rev. die)	ANS Photo File, Bourgey (1975).
T484	—	O42 / R236	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek.
T485	16.3	O42 / R236	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, B6.
T486	—	O42 / R236	As last (same obv. and rev. die)	ANS Photo File, 4.3-H.S.
T487	—	O42 / R237	As last (same obv. die)	Noble Numismatics (2000), 2238.
T488	—	O42 / R238	As last (same obv. die)	ANS Photo File, Tell Kotchek, B5.
T489	16.59	O42 / R239	<LF>  E, OINOCHOE BENEATH VINE-TENDRIL. Price —. (same obv. die). cf. Price 1686.	ANS Collection, 1952.177.1.
T490	—	O43 / R240	<LF>  E, OINOCHOE BENEATH VINE-TENDRIL. Price 1686.	ANS Photo File, Tell Kotchek, A6.
T491	—	O43 / R240	As last (same obv. and rev. die)	CNG 179 (2008), 16.
T492	15.74	O43 / R240	As last (same obv. and rev. die)	Kricheldorf 40 (?), 19.
T493	15.91	O43 / R240	As last (same obv. and rev. die)	ANS Photo File, Bourgey (1976), 57.
T494	—	O43 / R240	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, A4.
T495	16.69	O43 / R241	As last (same obv. die)	ANS Photo File, Eric von Post Collection, Stockholm.

T496	—	O43 / R242	As last (same obv. die)	ANS Photo File, Tell Kotchek, A7.
T497	—	O43 / R243	As last (same obv. die)	CGB.fr Monnaies 11 (1999), 117.
T498	16.21	O43 / R243	As last (same obv. and rev. die)	Jean Elsen 58 (1999), 877.
T499	16.47	O43 / R244	As last (same obv. die)	Meadows and Houghton, Gaziantep (2010), 35. (Unable to match image with publication number).
T500	—	O43 / R245	As last (same obv. die)	Le Rider, Suse (1965), Trésor 6, 617,5.
T501	—	O43 / R245	As last (same obv. and rev. die)	ANS Photo File, Neg. 4.4 – HS.
T502	16.52	O43 / R246	As last (same obv. die)	Jean Elsen 109 (2011), 103.
T503	16.56	O43 / R246	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, A3.
T504	16.81	O43 / R246	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, A4.
T505	—	O43 / R247	As last (same obv. die)	Leu Numismatik 59 (1994), 102.
T506	16.15	O43 / R248	As last (same obv. die)	ANS Photo File, Schlesinger 13 (1949), 734.
T507	—	O43 / R248	As last (same obv. and rev. die)	ANS Photo File, P&P Santamaria (1949), 50.
T508	16.57	O43 / R248	As last (same obv. and rev. die)	Dr. Claus W. Hild 67 (1994), 94.
T509	—	O43 / R248	As last (same obv. and rev. die)	Kölner Müzkabinett Tyll Kroha 61 (1994), 77.
T510	15.61	O43 / R248	As last (same obv. and rev. die)	Leu Numismatik 86 (2003), 363.
T511	—	O43 / R248	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, A2.
T512	15.84	O43 / R248	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, A3.
T513	16.39	O43 / R249	As last (same obv. die)	ANS Photo File, Tell Kotchek, A5.
T514	—	O43 / R250	<LF>  E, OINOCHOE BENEATH VINE-TENDRIL. Price —. (same obv. die). cf. Price 1686.	ANS Photo File, Tell Kotchek.
T515	—	O43 / R251	<LF>  E, OINOCHOE BENEATH VINE-TENDRIL. Price 1686. (same obv. die).	ANS Collection, 1947.98.152.
T516	—	O43 / R251	As last (same obv. and rev. die)	Augé et al. Gaziantep (1997), 21.
T517	16.33	O43 / R251	As last (same obv. and rev. die)	Boehringer Chronologe 9 (1972), 16.
T518	—	O43 / R251	As last (same obv. and rev. die)	Le Rider, Suse (1965), Trésor 6, 617,4.
T519	16.4	O43 / R251	As last (same obv. and rev. die)	Münzen & Medaillen, Schulten GmbH (1986), 152.
T520	16.59	O43 / R251	As last (same obv. and rev. die)	Coin Galleries (1998), 90.
T521	16.67	O43 / R251	As last (same obv. and rev. die)	ANS Collection, 1951.35.27.
T522	—	O43 / R251	As last (same obv. and rev. die)	Münzen & Medaillen, Gerhard Hirsch 148 (1985), 90.
T523	16.57	O43 / R252	As last (same obv. die)	Gorny and Mosch 142 (2005), 1357.
T524	16.69	O43 / R252	As last (same obv. and rev. die)	Münzen & Medaillen, Gerhard Hirsch 155 (1987), 68.
T525	16.58	O43 / R252	As last (same obv. and rev. die)	ANS Collection, 1944.100.31418.
T526	15.74	O43 / R253	As last (same obv. die)	Bourgey (1994), 41
T527	—	O43 / R254	As last (same obv. die)	Meadows and Houghton, Gaziantep (2010), 36. (Unable to match image with publication number). = CNG 35 (1995), 108.
T528	—	O44 / R255	<LF>  Σ, OINOCHOE BENEATH VINE-TENDRIL. Price 1688.	SNG Saroglos (2005), 430.

T529	15.79	O44 / R255	As last (same obv. and rev. die)	SNG München 10/11 Heft (2001), 497.
T530	16.27	O44 / R255	As last (same obv. and rev. die)	Jean Elsen 54 (1998), 168.
T531	16.43	O44 / R256	As last (same obv. die)	Victor Gadoury (1993), 22.
T532	—	O44 / R256	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, D1.
T533*	16.42	O44 / R256	As last (same obv. and rev. die)	ANS Collection, 1947.98.155.
T534	16.67	O44 / R257	<LF> ΛΣ, OINOCHOE BENEATH VINE-TENDRIL. Price 1689. (same obv. die)	Le Rider, Suse (1965), Trésor 6, 618,3.
T535	—	O44 / R257	As last (same obv. and rev. die)	Tarkis S.A. (1983), 109. = ANS Photo File, Tell Kotchek, D2.
T536*	—	O45 / R258	<LF> ΛΣ, OINOCHOE BENEATH VINE-TENDRIL. Price 1688.	ANS Collection, 1951.35.21. = Waggoner, Propontis (1979), 44.
T537	16.83	O46 / R258	As last (same rev. die)	Gorny and Mosch 141 (2005), 107.
T538	16.38	O47 / R258	As last (same rev. die)	Bourgey (1981), 30.
T539*	16.07	O48 / R258	As last (same rev. die)	ANS Collection, 1944.100.31434.
T540	—	O48 / R258	As last (same obv. and rev. die)	Meadows and Houghton, Gaziantep (2010), A1032.
T541	16.58	O47 / R258	As last (same rev. die)	Kölner Müzkabinett Tyll Kroha 43 (1987), 38.
T542	—	O47 / R259	<LF> ΛΣ, OINOCHOE BENEATH VINE-TENDRIL. Price 1689. (same obv. die)	Harlan J. Berk 18 (1983), 53.
T543	—	O47 / R259	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, A2.
T544	—	O47 / R259	As last (same obv. and rev. die)	ANS Photo File, Malloy 9 (1977), 86.
T545	16.28	O47 / R260	<LF> ΛΣ, OINOCHOE BENEATH VINE-TENDRIL. Price 1688. (same obv. die)	Künker 77 (2002), 164.
T546	—	O47 / R260	As last (same obv. and rev. die)	CGB.fr (2010), 121.
T547	16.8	O47 / R261	As last (same obv. die)	ANS Photo, Provided by Meadows (2012).
T548	—	O47 / R262	As last (same obv. die)	Numismatic Fine Arts 18 (1987), 182.
T549	—	O45 / R263	As last	Augé et al. Gaziantep (1997), 22.
T550	16.27	O45 / R263	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, E1.
T551	16.08	O47 / R263	As last (same rev. die)	Bonhams 22499 (—), 111.
T552	—	O47 / R264	As last (same obv. die)	Numismatik Lanz München 58 (1991), 206.
T553	—	O47 / R265	<LF> ΛΣ, OINOCHOE BENEATH VINE-TENDRIL. Price 1689. (same obv. die)	ANS Photo File, Tell Kotchek, A1.
T554	16.42	O47 / R266	<LF> ΛΣ, OINOCHOE BENEATH VINE-TENDRIL. Price 1688. (same obv. die)	Meadows and Houghton, Gaziantep (2010), A1030.
T555*	—	O45 / R267	<LF> ΛΣ, OINOCHOE BENEATH VINE-TENDRIL. Price 1689.	ANS Collection, 1952.177.20.
T556	16.29	O47 / R267	As last (same rev. die)	Schulman Coin & Mint Inc. and Quality Sales Corp. (1971), 1548.
T557*	16.64	O47 / R267	As last (same obv. and rev. die)	ANS Collection, 1952.177.15. = ANS Photo File, Tell Kotchek, A3
T558	16.37	O47 / R267	As last (same obv. and rev. die)	CNG 179 (2008), 18
T559	—	O47 / R267	As last (same obv. and rev. die)	Müller Solingen 18 (1976), 19.

T560	16.18	O47 / R268	<LF>  OINOCHOE BENEATH VINE-TENDRIL. Price 1688. (same obv. die)	ANS Photo File, Tell Kotchek, A6.
T561	16	O47 / R269	As last (same obv. die)	ANS Photo File, Malloy 9 (1977).
T562	—	O47 / R270	<LF>  OINOCHOE BENEATH VINE-TENDRIL. Price 1689. (same obv. die)	Le Rider, Suse (1965), Trésor 5, 15,37 = ANS Photo File, Neg.4.1 – H.S.
T563	16.85	O47 / R270	As last (same obv. and rev. die)	CNG 230 (2010), 84
T564	—	O47 / R270	As last (same obv. and rev. die)	Meadows and Houghton, Gaziantep (2010), A1029.
T565	—	O47 / R271	As last (same obv. die)	ANS Photo File, Tell Kotchek, A5.
T566	16.55	O47 / R271	As last (same obv. and rev. die)	Meadows and Houghton, Gaziantep (2010), A1028.
T567	—	O47 / R272	<LF>  OINOCHOE BENEATH VINE-TENDRIL. Price 1688. (same obv. die)	ANS Photo File, Malloy 9 (1997), A4.
T568	16.57	O47 / R272	As last (same obv. and rev. die)	Rigö 12 (1969), 53.
T569	16.26	O47 / R272	As last (same obv. and rev. die)	Berk (1992), 132.
T570	16.66	O47 / R272	As last (same obv. and rev. die)	Dr. Busso Peus 288 (1975), 247.
T571	16.61	O45 / R273	<LF>  OINOCHOE BENEATH VINE-TENDRIL. Price 1689.	Claude Burgan Numismatique (1989), 343.
T572	16.64	O45 / R273	As last (same obv. and rev. die)	Christie's (1990), 23.
T573	—	O47 / R273	As last (same rev. die)	Numismatic Art and Ancient Coins (1996), 82.
T574	16.15	O47 / R274	<LF>  OINOCHOE BENEATH VINE-TENDRIL. Price 1688. (same obv. die)	Müller Solingen 60 (1989), 38.
T575	—	O47 / R274	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek.
T576	15.92	O49 / R274	As last (same rev. die)	Bowers and Merena George N. Polis M.D. Collection (1991), 26. = ANS Photo File, Tell Kotchek.
T577	—	O47 / R275	As last	Price (1991) 1688A.
T578	—	O47 / R276	As last (same obv. die)	ANS Photo File, Tell Kotchek.
T579	16.62	O45 / R277	As last	Kurpfälzische Münzhandlung 51 (1996), 73.
T580	16.3	O45 / R277	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek.
T581	—	O45 / R278	<LF>  OINOCHOE BENEATH VINE-TENDRIL. Price 1689. (same obv. die)	ANS Photo File, Tell Kotchek, E2.
T582	16.44	O45 / R278	As last (same obv. and rev. die)	Meadows and Houghton, Gaziantep (2010), A1034.
T583*	16.4	O49 / R279	<LF>  OINOCHOE BENEATH VINE-TENDRIL. Price 1688.	ANS Collection, 1952.177.19.
T584	16.44	O49 / R280	<LF>  OINOCHOE BENEATH VINE-TENDRIL. Price 1689. (same obv. die)	ANS Photo File, Tell Kotchek, C2.
T585	—	O49 / R281	As last (same obv. die)	CGB.fr Monnaies 34 (2008), 192.
T586*	15.57	O50 / R282	<LF>  OINOCHOE BENEATH VINE-TENDRIL. Price 1688.	ANS Collection, 1952.177.24.

T587	—	O50 / R282	As last (same obv. and rev. die)	Numifrance (1982), 54.
T588	16.52	O49 / R282	As last (same rev. die)	ANS Photo File, Tell Kotchek, C3.
T589	—	O50 / R283	As last	Seyrig, Trésors (1973), Trésor 10, 10,2.
T590	—	O50 / R283	As last (same obv. and rev. die)	ANS Photo File, 4.2-H.S.
T591	16.41	O50 / R284	As last (same obv. die)	ANS Photo File, Tell Kotchek.
T592	—	O50 / R284	As last (same obv. and rev. die)	ANS Photo File, 3.7-H..
T593	—	O50 / R285	<LF> Λ , OINOCHOE BENEATH VINE-TENDRIL. Price —. (same obv. die). cf. Price 1688.	Meadows and Houghton, Gaziantep (2010), A1004.
T594	—	O51 / R286	<LF> ΛΣ , OINOCHOE BENEATH VINE-TENDRIL. Price 1688.	Leu Numismatik 74 (1998), 151.
T595*	16.38	O51 / R287	As last (same obv. die)	ANS Collection, 1952.177.17.
T596	16.45	O51 / R288	<LF> ΛΣ , OINOCHOE BENEATH VINE-TENDRIL. Price 1689. (same obv. die)	ANS Photo File, Tell Kotchek.
T597	—	O51 / R289	As last (same obv. die)	ANS Photo File, Tell Kotchek, B3.
T598	16.19	O51 / R290	<LF> ΛΣ , OINOCHOE BENEATH VINE-TENDRIL. Price 1688. (same obv. die)	ANS Photo, Provided by Meadows (2012).
T599	15.74	O51 / R290	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek.
T600	15.26	O51 / R290	As last (same obv. and rev. die)	Münzen & Medaillen, Gerhard Hirsch 201 (1998), 145.
T601	16.12	O51 / R291	As last (same obv. die)	ANS Photo File, Tell Kotchek, B4.
T602	—	O51 / R291	As last (same obv. and rev. die)	Lorber, Demetrius I (2010), 197.
T603	—	O51 / R291	As last (same obv. and rev. die)	Meadows and Houghton, Gaziantep (2010), A1033.
T604	16.3	O51 / R292	As last (same obv. die)	Price (1991) 1688B.
T605	16.29	O51 / R292	As last (same obv. and rev. die)	ANS Collection, 1952.177.18.
T606	—	O52 / R292	As last (same rev. die)	Freeman & Sear 14 (2007), 140.
T607*	15.88	O52 / R292	As last (same obv. and rev. die)	Münzen & Medaillen, Gerhard Hirsch 169 (1991), 264.
T608	16.47	O52 / R292	As last (same obv. and rev. die)	Freeman & Sear 14 (2007), 141.
T609*	15.89	O53 / R293	As last	ANS Collection, 1944.100.31432.
T610	16.17	O53 / R294	As last (same obv. die)	Le Rider, Suse (1965), Trésor 6, 613,8.
T611	—	O53 / R295	<LF> ΛΣ , OINOCHOE BENEATH VINE-TENDRIL. Price 1689. (same obv. die)	ANS Photo File, 18.
T612	16.05	O53 / R296	As last (same obv. die)	ANS Photo File, Tell Kotchek, F1.
T613	—	O53 / R296	As last (same obv. and rev. die)	ANS Collection, 1952.177.21.
T614	16.25	O54 / R296	As last (same rev. die)	Münzen & Medaillen, Gerhard Hirsch 120 (1980), 59.
T615*	16.8	O54 / R297	As last (same obv. die)	ANS Collection, 1944.100.31433.
T616	15.21	O55 / R298	As last	Meadows and Houghton, Gaziantep (2010), A1031.
T617*	—	O55 / R299	As last (same obv. die)	Gorny and Mosch 142 (2005), 1356.

			<LF> EXENIKΟΣ , OINOCHOE BENEATH VINE-TENDRIL; <TH> ΓΕΙΤΑΣ . Price 1690.	
T618	—	O56 / R300	As last	Cayón Subastas (2005), 4129.
T619	—	O57 / R301	As last	Kürpfälzische Münzhandlung 31 (1986), 94.
T620	—	O57 / R301	As last (same obv. and rev. die)	ANS Photo File, Parke-Bern E.T.N Collection (1968), 67.
T621*	15.55	O56 / R301	As last (same rev. die)	ANS Collection, 1944.100.31442.
T622	—	O57 / R302	As last	Cayón Subastas (2005), 4128.
T623	—	O57 / R302	As last (same obv. and rev. die)	ANS Photo File, Myers-Adams 3 (1972), 68.
T624	—	O57 / R302	As last (same obv. and rev. die)	ANS Photo File, Hesperia Art F.P.L 23, 13.
T625	—	O56 / R302	As last (same rev. die)	ANS Photo File, Tell Kotchek.
T626	—	O56 / R303	As last (same obv. die)	Le Rider, Suse (1965), Trésor 6, 620,4.
T627*	16.64	O57 / R303	As last (same rev. die)	Münzen & Medaillen, GmbH 27 (2008), 2039.
T628*	16.62	O58 / R304	As last	Meadows and Houghton, Gaziantep (2010), A1058.
T629	—	O56 / R305	As last	ANS Photo File, 150.12.
T630	16.47	O56 / R305	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek.
T631	16.67	O57 / R305	As last (same rev. die)	Meadows and Houghton, Gaziantep (2010), A1053 = Berk, Gemini 5 (2009), 65.
T632	—	O57 / R305	As last (same obv. and rev. die)	Numismatic Fine Arts (1989), 125 (124?).
T633*	16.31	O59 / R306	As last	Numismatic Fine Arts 33 (1994), 128.
T634	—	O59 / R306	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, A5.
T635	16.4	O57 / R306	As last (same rev. die)	Augé et al. Gaziantep (1997), 28.
T636	—	O57 / R306	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek.
T637	—	O56 / R306	As last (same rev. die)	Le Rider, Suse (1965), Trésor 6, 620,5.
T638	—	O56 / R306	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, E1.
T639	—	O60 / R307	As last	ANS Photo File, Tell Kotchek, B4.
T640	—	O60 / R308	As last (same obv. die)	ANS Photo File, Tell Kotchek, B2.
T641	—	O60 / R308	As last (same obv. and rev. die)	Le Rider, Suse (1965), Trésor 6, 620,1.
T642	—	O59 / R309	As last	ANS Photo File, Tell Kotchek, C1.
T643*	16.22	O60 / R309	As last (same rev. die)	ANS Collection, 1952.177.30.
T644	16.48	O60 / R309	As last (same obv. and rev. die)	Seyrig, Trésors (1973), Trésor 21, 22,27.
T645	16.33	O60 / R310	As last (same obv. die)	ANS Photo File, Tell Kotchek.
T646	—	O60 / R310	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, B3.
T647	16.26	O60 / R310	As last (same obv. and rev. die)	ANS Collection, 1952.177.29.
T648	16.4	O60 / R310	As last (same obv. and rev. die)	CNG 192 (2008), 20.
T649	16.41	O60 / R310	As last (same obv. and rev. die)	CNG 177 (2007), 28.
T650	—	O56 / R310	As last (same rev. die)	ANS Photo File, Superior Stamp & Coin (1972), 102.
T651	15.95	O59 / R311	As last	SNG Cop. Macedonia Part 2 (1943), 743.
T652	16.23	O59 / R311	As last (same obv. and rev. die)	Claude Burgan Numismatique 37 (1994), 373.
T653	16.07	O59 / R311	As last (same obv. and rev. die)	Joel L. Malter & Co. (1993), 97.
T654	—	O59 / R311	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, A8.
T655	16.63	O60 / R311	As last (same rev. die)	H.G. Oldenburg (1995), 32.

T656	—	O59 / R311	As last (same rev. die)	Meadows and Houghton, Gaziantep (2010), A1041.
T657	—	O60 / R312	As last	ANS Photo File, Tell Kotchek, B1.
T658	—	O60 / R312	As last (same obv. and rev. die)	Meadows and Houghton, Gaziantep (2010), A1055.
T659	16.48	O60 / R312	As last (same obv. and rev. die)	Dr. Busso Peus 313 (1985), 94.
T660	—	O60 / R312	As last (same obv. and rev. die)	ANS Photo File, Eric von Post Collection, Stockholm.
T661	15.83	O60 / R313	As last (same obv. die)	Münzen & Medaillen, Gerhard Hirsch 95 (1975), 22.
T662	—	O60 / R313	As last (same obv. and rev. die)	ANS Photo File, Dupriez 90 (1906), 32.
T663	—	O60 / R313	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek.
T664	—	O60 / R313	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, B6.
T665	16.67	O60 / R313	As last (same obv. and rev. die)	Numismatic Fine Arts (1990), 186.
T666	—	O60 / R313	As last (same obv. and rev. die)	Seyrig, Trésors (1973), Trésor 20, 20,35.
T667	16.7	O60 / R313	As last (same obv. and rev. die)	Augé et al. Gaziantep (1997), 23.
T668	15.83	O56 / R313	As last (same rev. die)	G. Hirsch (1975), 22.
T669	16.57	O59 / R314	As last	CNG 177 (2007), 26.
T670	15.47	O60 / R315	As last	ANS Collection, 1934.94.5.
T671	16.57	O60 / R315	As last (same obv. and rev. die)	Giessener Münzhandlung 40 (1988), 129.
T672	15.48	O60 / R315	As last (same obv. and rev. die)	Price (1991) 1690 B.
T673	16.65	O60 / R315	As last (same obv. and rev. die)	Münzen & Medaillen, Gerhard Hirsch 167 (1990), 284.
T674	16.77	O60 / R315	As last (same obv. and rev. die)	Numismatik Lanz München 32 (1985), 167.
T675	16.74	O60 / R315	As last (same obv. and rev. die)	Augé et al. Gaziantep (1997), 24.
T676	—	O56 / R315	As last (same rev. die)	ANS Photo File, Tell Kotchek.
T677	16.26	O59 / R316	As last	Monnaies et Medailles 13 (1983), 165.
T678	—	O59 / R316	As last (same obv. and rev. die)	Münzen & Medaillen, Gerhard Hirsch (1971), 57.
T679	—	O59 / R316	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, A2.
T680	16.38	O59 / R316	As last (same obv. and rev. die)	Jean Elsen 110 (2011), 167.
T681	16.1	O59 / R316	As last (same obv. and rev. die)	Auktionshaus H.D. Rauch 5 (1970), 30.
T682	16.44	O59 / R317	As last (same obv. die)	Tekin The Yapı Kredi Collection (1994), 12.
T683	15.93	O59 / R317	As last (same obv. and rev. die)	Jean Elsen 93 (2007), 232.
T684	—	O59 / R317	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek.
T685	—	O59 / R317	As last (same obv. and rev. die)	Le Rider, Bassit (1978), 6.
T686	16.12	O59 / R318	As last (same obv. die)	Giessener Münzhandlung 79 (1996), 133.
T687	—	O59 / R318	As last (same obv. and rev. die)	ANS Photo File, 150.13.
T688	16.65	O59 / R319	As last (same obv. die)	CNG 177 (2007), 27.
T689	15.99	O59 / R319	As last (same obv. and rev. die)	Numismatik Lanz München 58 (1991), 201.
T690	—	O59 / R319	As last (same obv. and rev. die)	Seyrig, Trésors (1973), Trésor 15, 15,154.
T691	15.91	O59 / R319	As last (same obv. and rev. die)	Dr. Busso Peus 280 (1972), 168.
T692	—	O59 / R319	As last (same obv. and rev. die)	Delorme & Fraysse 8 (1997), 7.

T693	16.61	O59 / R319	As last (same obv. and rev. die)	Meadows and Houghton, Gaziantep (2010), A1043 = Coin Galleries (1995), 59.
T694	16.24	O59 / R319	As last (same obv. and rev. die)	Tom Cederlind 138 (2006), 80.
T695	16.69	O59 / R319	As last (same obv. and rev. die)	CNG 175 (2007), 24.
T696	—	O59 / R319	As last (same obv. and rev. die)	ANS Photo File, Coin Galleries FPL V.3 (1964), C 54.
T697	16.68	O59 / R320	As last (same obv. die)	Argenor Numismatique 5 (2002), 43.
T698	—	O59 / R320	As last (same obv. and rev. die)	Le Rider, Suse (1965), Trésor 6, 620,6.
T699	16.63	O59 / R321	As last (same obv. die)	Noble Numismatics (2000), 3484.
T700	16.25	O59 / R322	As last (same obv. die)	Dr. Busso Peus 291 (1977), 253.
T701	16.9	O59 / R323	As last (same obv. die)	Auktionshaus H.D. Rauch 53 (1994), 67.
T702	16.65	O59 / R323	As last (same obv. and rev. die)	Meadows and Houghton, Gaziantep (2010), A1038 = CNG 30 (1994), 58.
T703	16.69	O59 / R324	As last (same obv. die)	Spink-Taisei 5 (1988), 432.
T704	—	O59 / R324	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, A6.
T705	—	O59 / R325	As last (same obv. die)	Ader & Vincchon (1961), 134.
T706	16.8	O59 / R326	As last (same obv. die)	Meadows and Houghton, Gaziantep (2010), A1039 = CNG 30 (1994), 59.
T707	—	O59 / R327	As last (same obv. die)	ANS Photo File, Tell Kotchek.
T708	—	O59 / R328	As last (same obv. die)	ANS Photo File, Tell Kotchek, A1.
T709	16.41	O59 / R329	As last (same obv. die)	Münzen & Medaillen, Gerhard Hirsch 169 (1991), 265.
T710	—	O59 / R330	As last (same obv. die)	ANS Photo File, Tell Kotchek, A4.
T711	16.68	O61 / R330	As last (same rev. die)	Meadows and Houghton, Gaziantep (2010), A1050 = Kovacs 12 (1995), 85.
T712	16.39	O59 / R331	As last	ANS Photo, Provided by Meadows (2012). Kirkhan Hoard.
T713	—	O59 / R332	As last (same obv. die)	Downie-Lepczyk 65 (1986), 971.
T714	16.37	O59 / R333	As last (same obv. die)	ANS Collection, 1944.100.31444.
T715	—	O59 / R334	As last (same obv. die)	Meadows and Houghton, Gaziantep (2010), A1042.
T716	—	O59 / R335	As last (same obv. die)	Meadows and Houghton, Gaziantep (2010), A1044.
T717	16.68	O59 / R336	As last (same obv. die)	Giessener Münzhandlung 48 (1990), 242.
T718	—	O59 / R336	As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, A3.
T719	16.72	O59 / R336	As last (same obv. and rev. die)	ANS Photo File, Auctiones S.A. (1977), 133. Kirikhan Hoard.
T720	15.99	O59 / R336	As last (same obv. and rev. die)	Numismatik Lanz München 46 (1988), 262.
T721	14.1	O59 / R337	As last (same obv. die)	ANS Collection, 1944.100.31443.
T722	16.52	O59 / R337	As last (same obv. and rev. die)	Augé et al. Gaziantep (1997), 25.
T723	16.63	O59 / R337	As last (same obv. and rev. die)	ANS Photo File, Munz & Med FPL 366 (1975), 17.
T724	16.18	O59 / R337	As last (same obv. and rev. die)	Münzen & Medaillen, Gerhard Hirsch 118 (1979), 541.
T725	16.71	O59 / R338	As last (same obv. die)	Münzen & Medaillen A.G 88 (1999), 141.

T726	—	O59 / R338 As last (same obv. and rev. die)	Meadows and Houghton, Gaziantep (2010), A1040.
T727	16.73	O59 / R338 As last (same obv. and rev. die)	CNA 41 (1993), 10.
T728	16.54	O59 / R338 As last (same obv. and rev. die)	Noble Numismatics (2002), 3134.
T729	—	O59 / R339 As last (same obv. die)	Coin Galleries (1962), 905.
T730	16.56	O59 / R339 As last (same obv. and rev. die)	Tom Cederlind 135 (2005), 64.
T731	—	O59 / R339 As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek.
T732	16.02	O59 / R339 As last (same obv. and rev. die)	Dix Noonan Webb (2010), 477.
T733	16.22	O59 / R340 As last (same obv. die)	ANS Collection, 1949.67.1.
T734	16.45	O59 / R341 As last (same obv. die)	CNG 115 (2005), 16.
T735	—	O59 / R341 As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, A7.
T736	17.03	O59 / R341 As last (same obv. and rev. die)	Augé et al. Gaziantep (1997), 26.
T737	—	O58 / R342 As last	ANS Photo File, Eric von Post Collection, Stockholm.
T738	—	O58 / R342 As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, D2.
T739	16.27	O61 / R342 As last (same rev. die)	ANS Photo File, Batto Sale, 628.
T740	—	O61 / R342 As last (same obv. and rev. die)	Stack's (1970), 420.
T741	—	O61 / R343 As last (same obv. die)	World Coin & Jewelry Exchange, Ebay sale (2012), 8657.
T742	—	O61 / R343 As last (same obv. and rev. die)	ANS Photo, Provided by Meadows (2012).
T743	—	O61 / R343 As last (same obv. and rev. die)	ANS Photo File, Tell Kotchek, F1.
T744	16.47	O61 / R343 As last (same obv. and rev. die)	CNG 66 (2004), 216.
T745	—	O61 / R344 As last (same obv. die)	Meadows and Houghton, Gaziantep (2010), A1051.
T746	16.61	O61 / R344 As last (same obv. and rev. die)	Augé et al. Gaziantep (1997), 27.
T747	16.1	O61 / R344 As last (same obv. and rev. die)	Price (1991) 1690 A.
T748	—	O61 / R345 As last (same obv. die)	Christie's (1991), 121.
T749	16.15	O61 / R345 As last (same obv. and rev. die)	Stack's (2009), 2161.
T750*	16.53	O61 / R346 As last (same obv. die)	ANS Collection, 1944.100.31445.
T751	16.29	O58 / R347 As last	ANS Collection, 1952.177.28.
T752	16.34	O58 / R347 As last (same obv. and rev. die)	Claude Burgan Numismatique (1986), 346.
T753	16.55	O58 / R348 As last (same obv. die)	Kölner Münzkabinett 17 (1975), 35.
T754	—	O58 / R348 As last (same obv. and rev. die)	Downie-Lepczyk 63 (1985), 94.
T755*	—	O62 / R349 As last	ANS Photo File, Eric von Post Collection, Stockholm.

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Plates



Temnian Bronze¹¹¹



Temnian Hemidrachm¹¹²



Typical Cistophoroi from Pergamon¹¹³



T1



T8



956

T6



T11



T12



T13



111 Auktionshaus H.D. Rauch GmbH Summer Auction (2012) #341

112 Roma Numismatics Limited Auction 4 (2012) #1574

113 iNumis Mail Bid Sale 12 (2010) #40



T14



T15



T16



T17



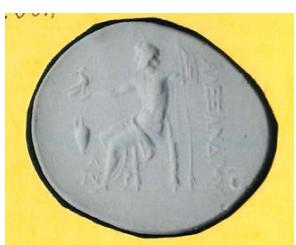
T18



T32



T33



T34





T36



T39



T46: ANS Photo File



T46: Tresors 15.20



T47



T49



T50



T55





T61



T74



T79



T90



T117



T118



T133



T141



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58



T146



T150



T166



T241



T262



T300



T317



T323





T327



T358



T389



T392



T398



T403



T412



T414





T415



T426



T430



T475



T489



T510



T533



T536





T539



T557



T555



T583



T586



T595



T607



T609





T615



T617



T621



T627



T628



T633



T643



T750





T751



T755

