

IRON AGE AND ROMAN ARABLE PRACTICE IN THE
EAST OF ENGLAND

Volume 2

Thesis submitted for the degree of
Doctor of Philosophy
at the University of Leicester

by

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Fig. 1.1. The study region.

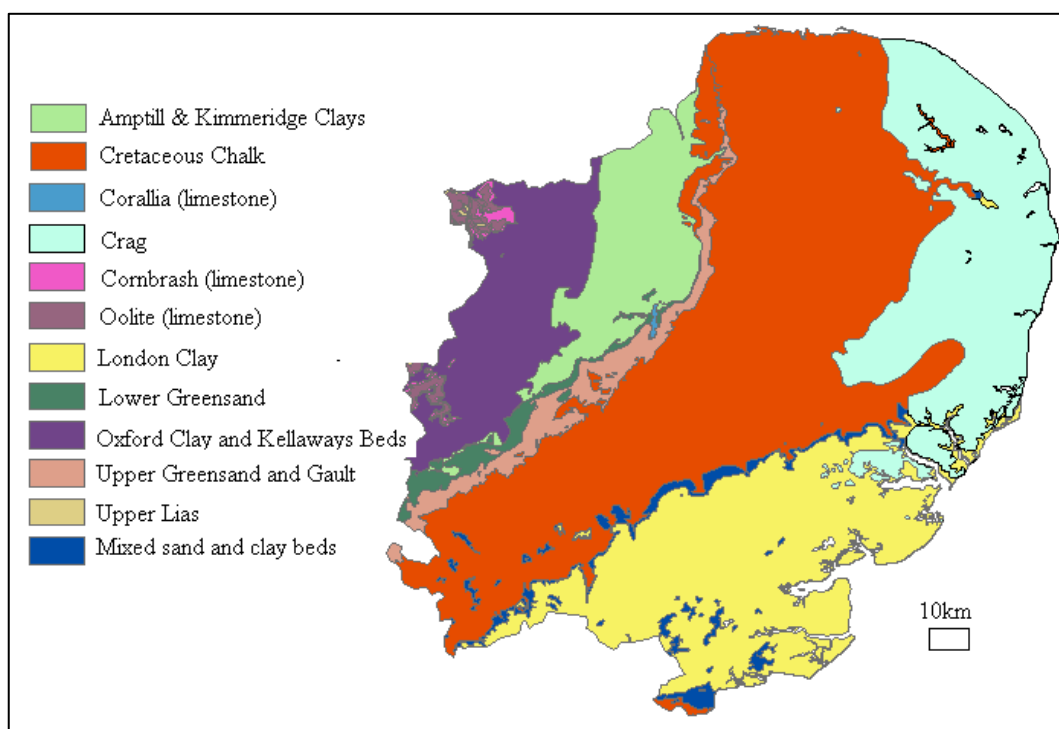


Fig. 1.2. The solid geology of the study region.

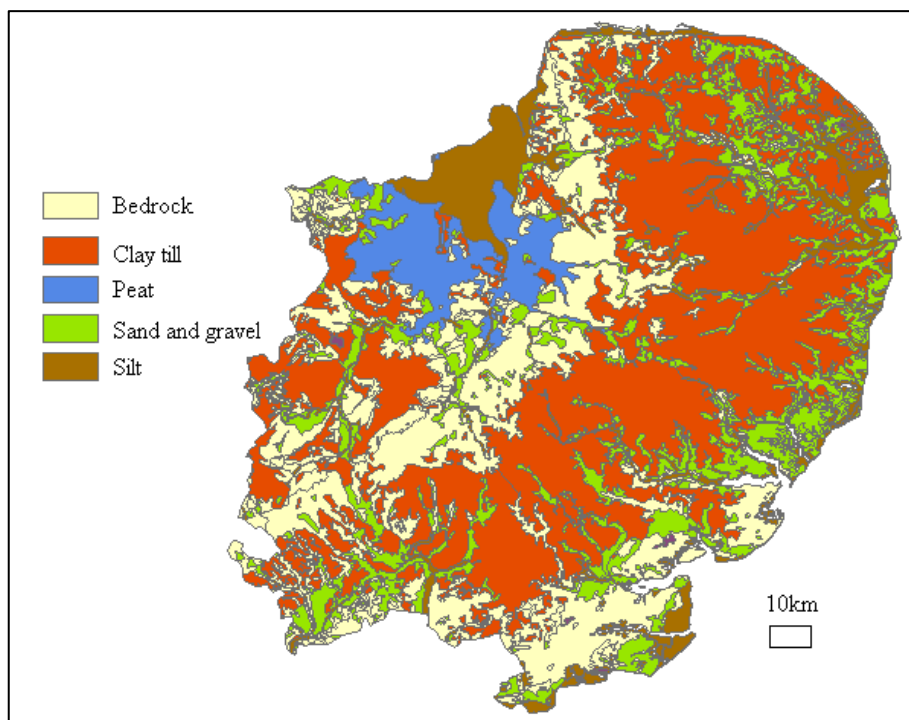


Fig. 1.3. The superficial geology of the study region.

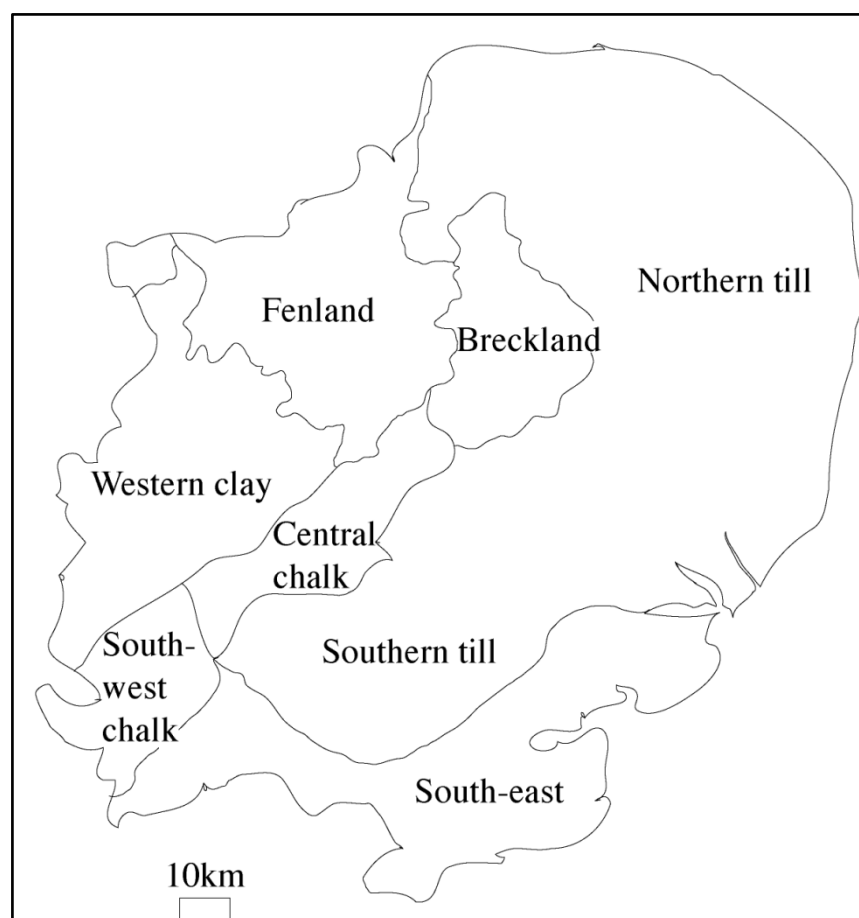


Fig. 1.4. Sub-regions used in this research.

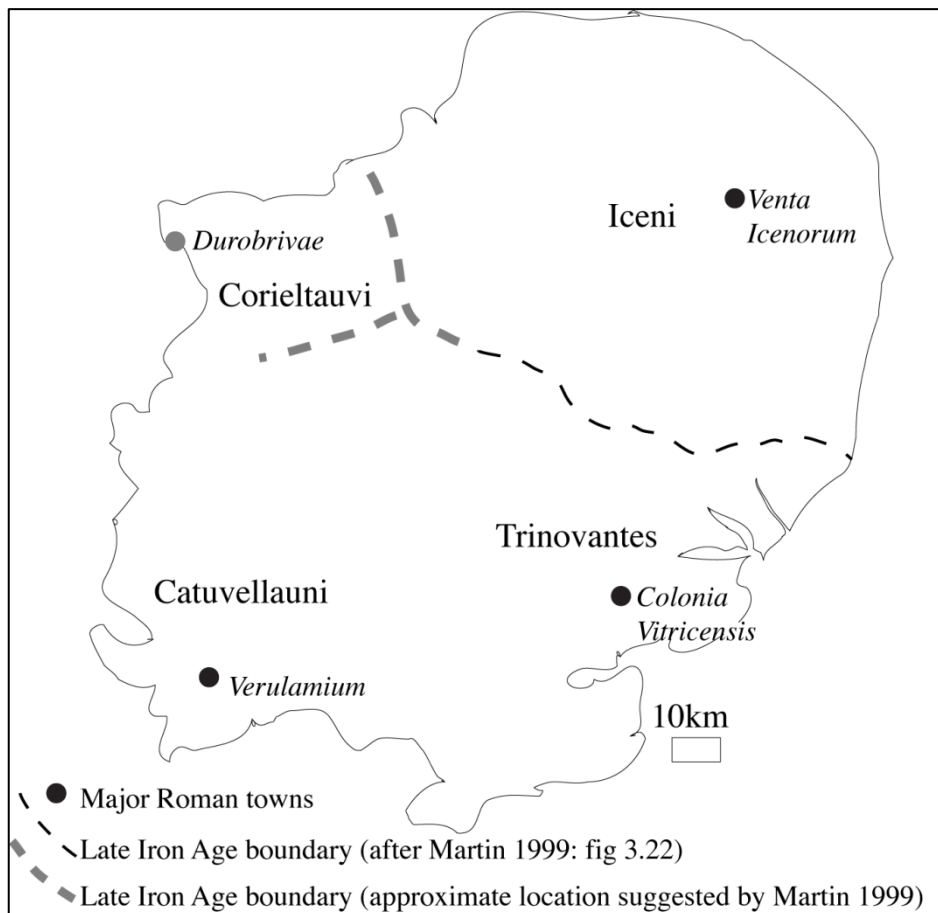


Fig. 1.5. Major Roman towns and Late Iron Age 'tribal territories'.

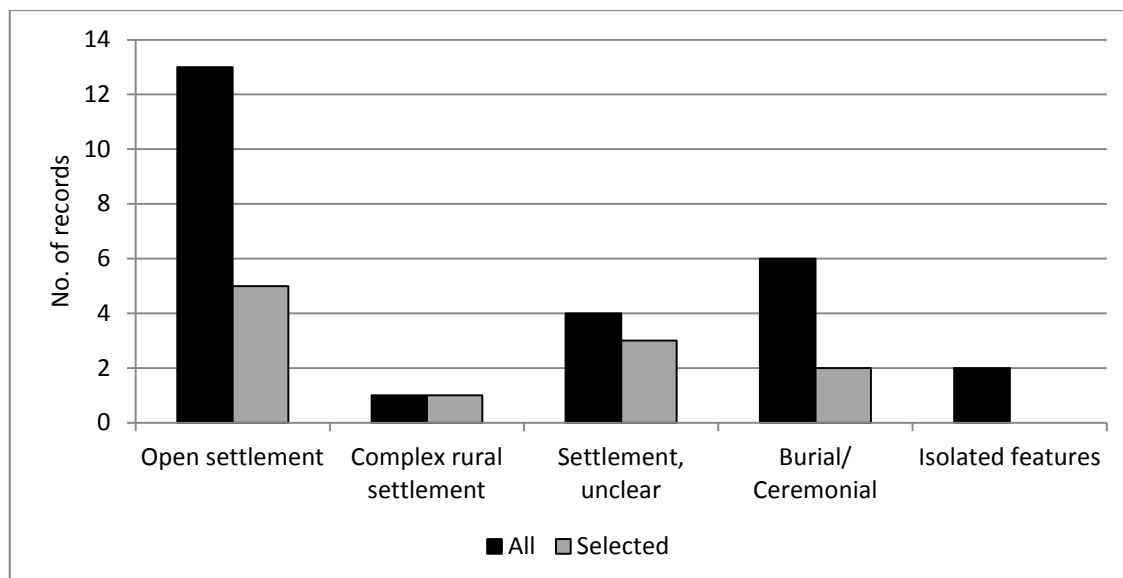


Fig. 2.1. Number of EIA records of different types.
 Shows all records, and those selected for crop-processing analysis and crop identification (Method 2).

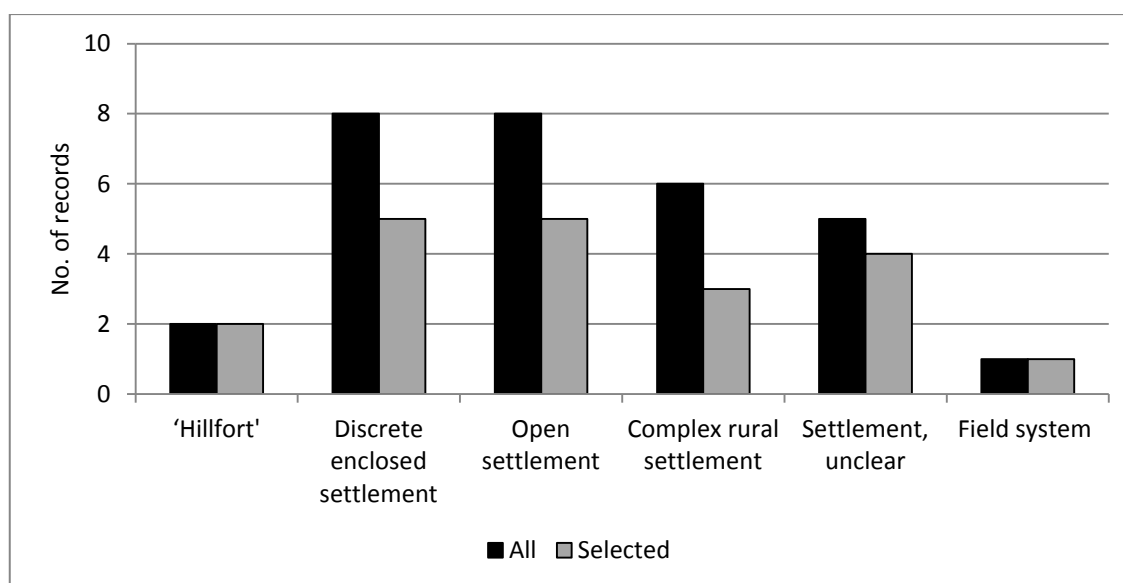


Fig. 2.2. Number of MIA records of different types.
 Shows all records, and those selected for crop-processing analysis and crop identification (Method 2).

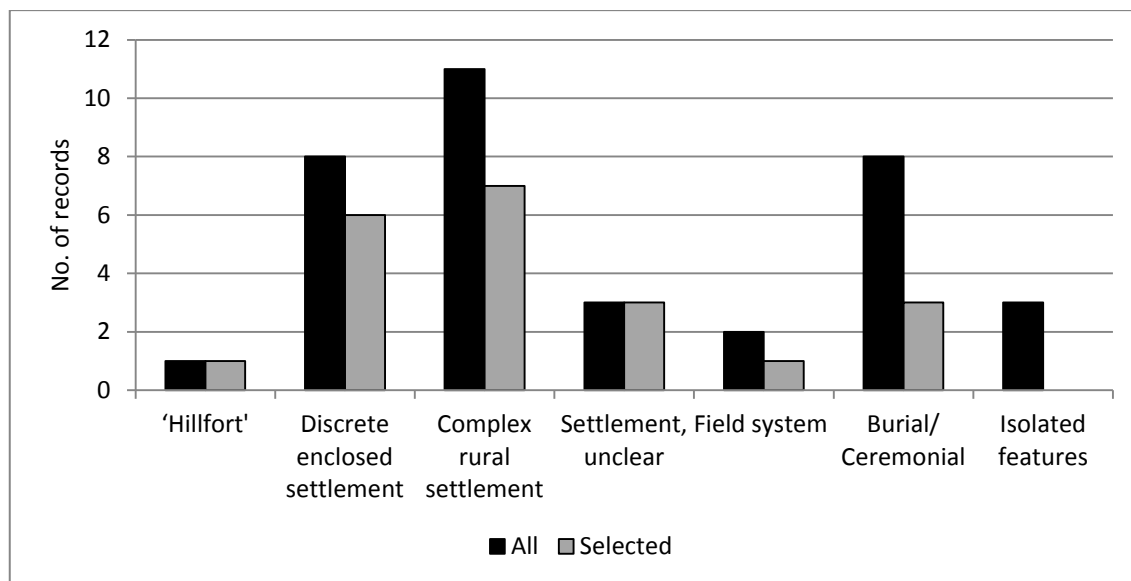


Fig. 2.3. Number of LIA records of different types.
 Shows all records, and those selected for crop-processing analysis and crop identification (Method 2).

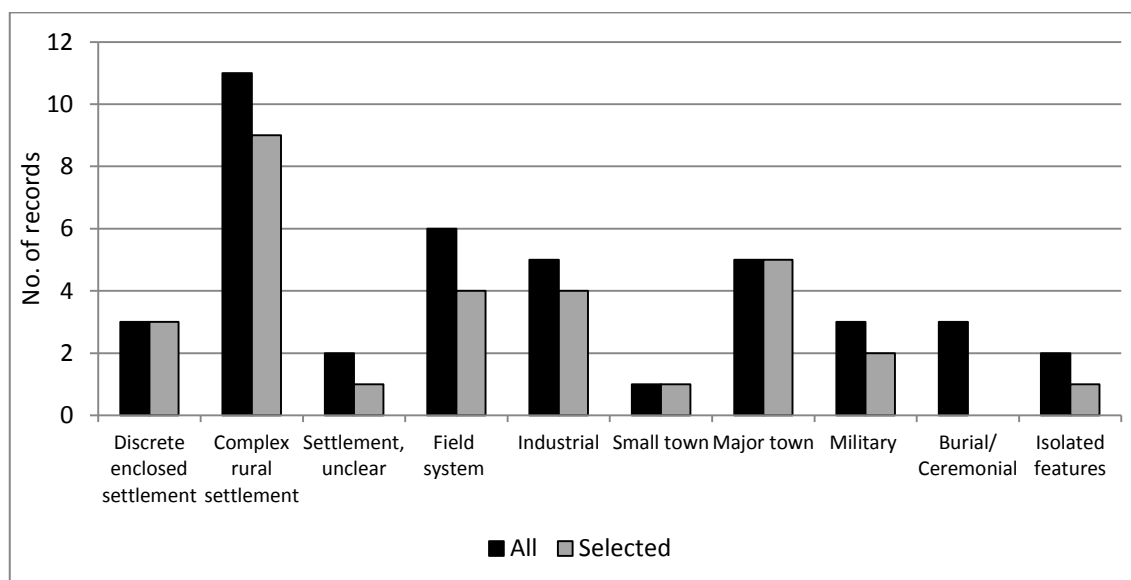


Fig. 2.4. Number of ER records of different types.
 Shows all records, and those selected for crop-processing analysis and crop identification (Method 2).

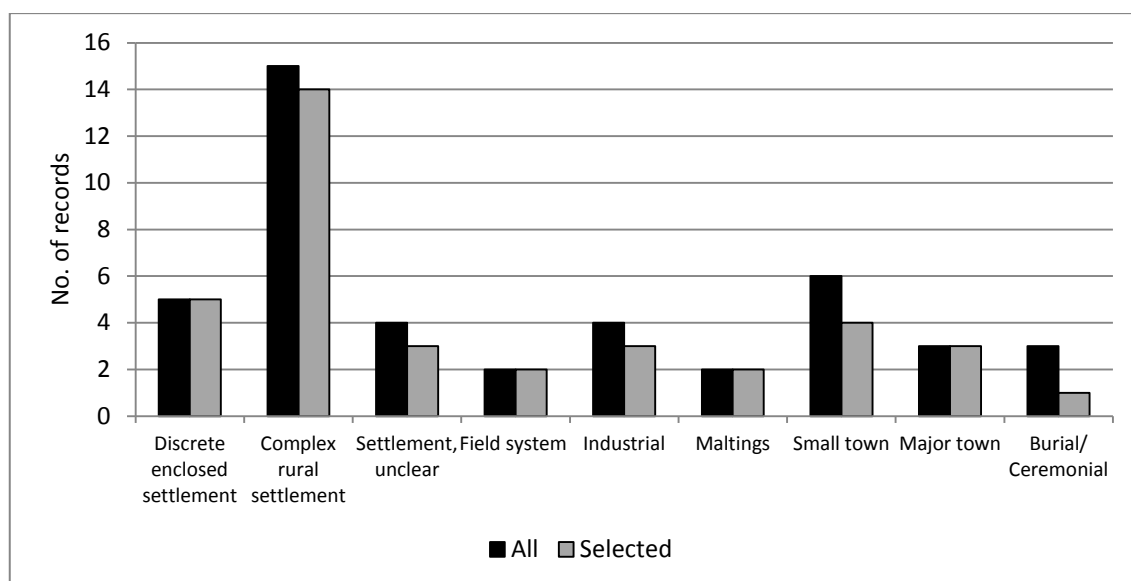


Fig. 2.5. Number of MR records of different types.
 Shows all records, and those selected for crop-processing analysis and crop identification (Method 2).

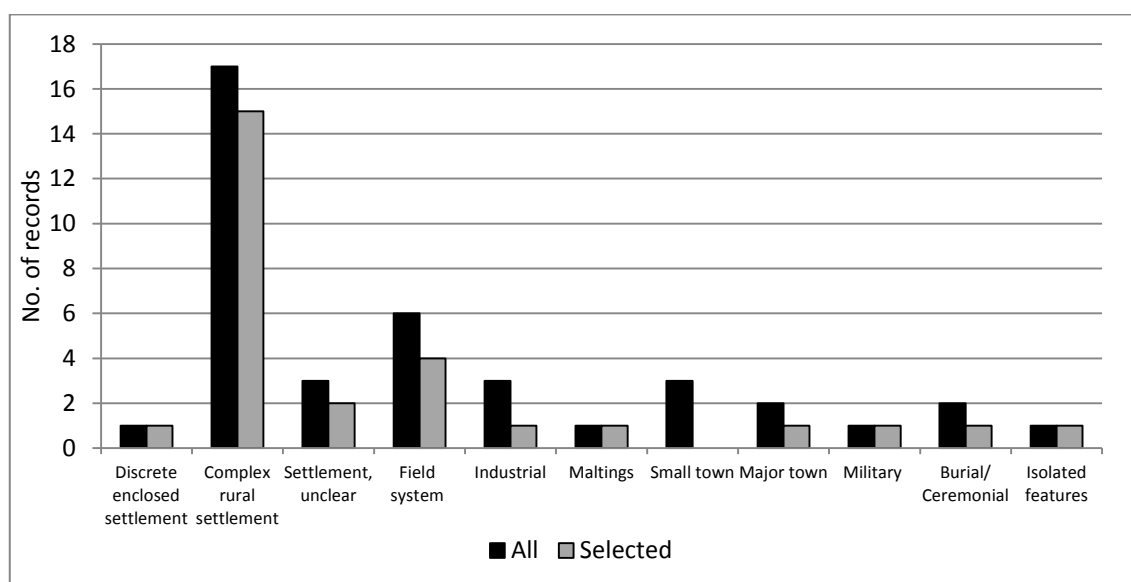


Fig. 2.6. Number of LR records of different types.
 Shows all records, and those selected for crop-processing analysis and crop identification (Method 2).

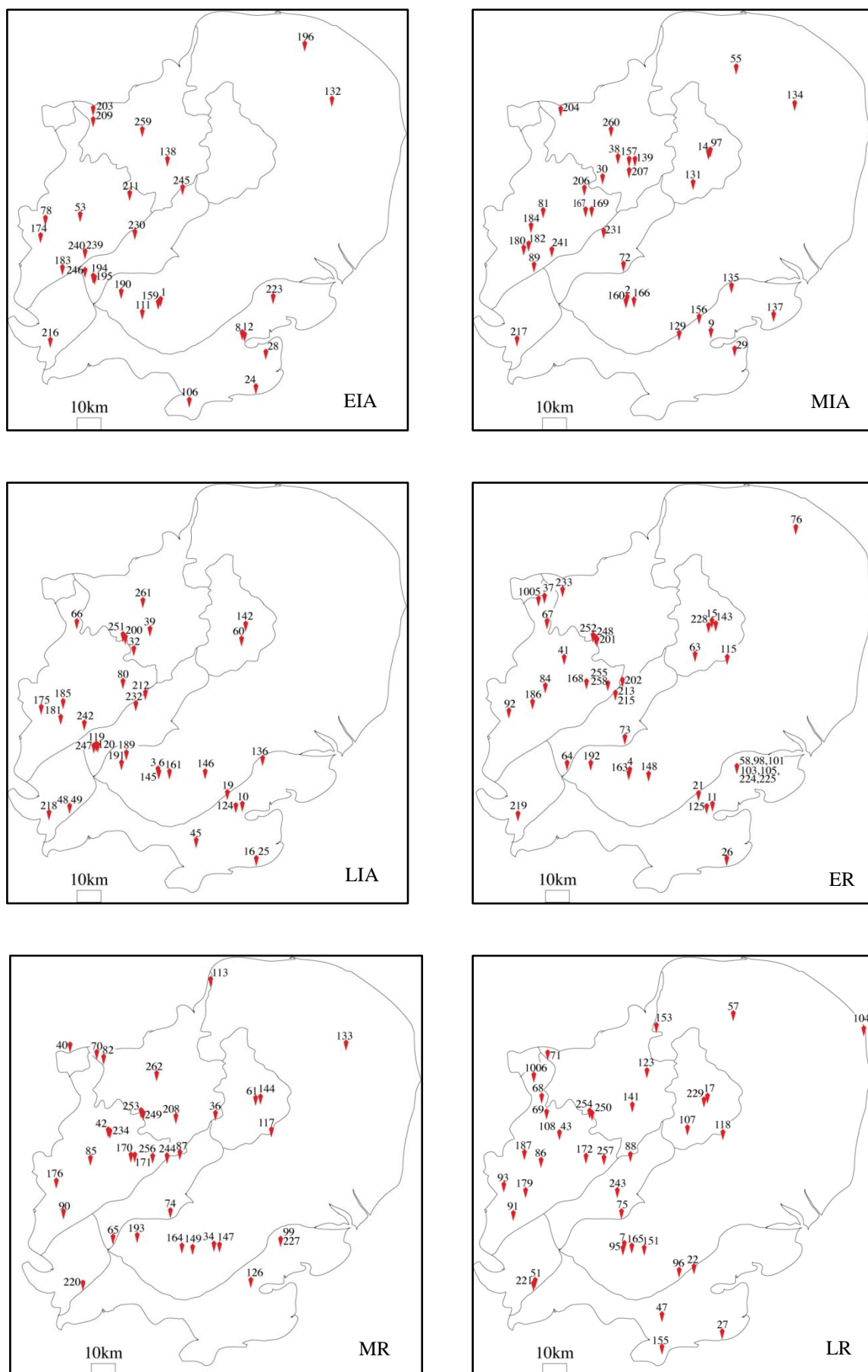


Fig. 2.7. All records, labelled by record number (see Appendix 1).

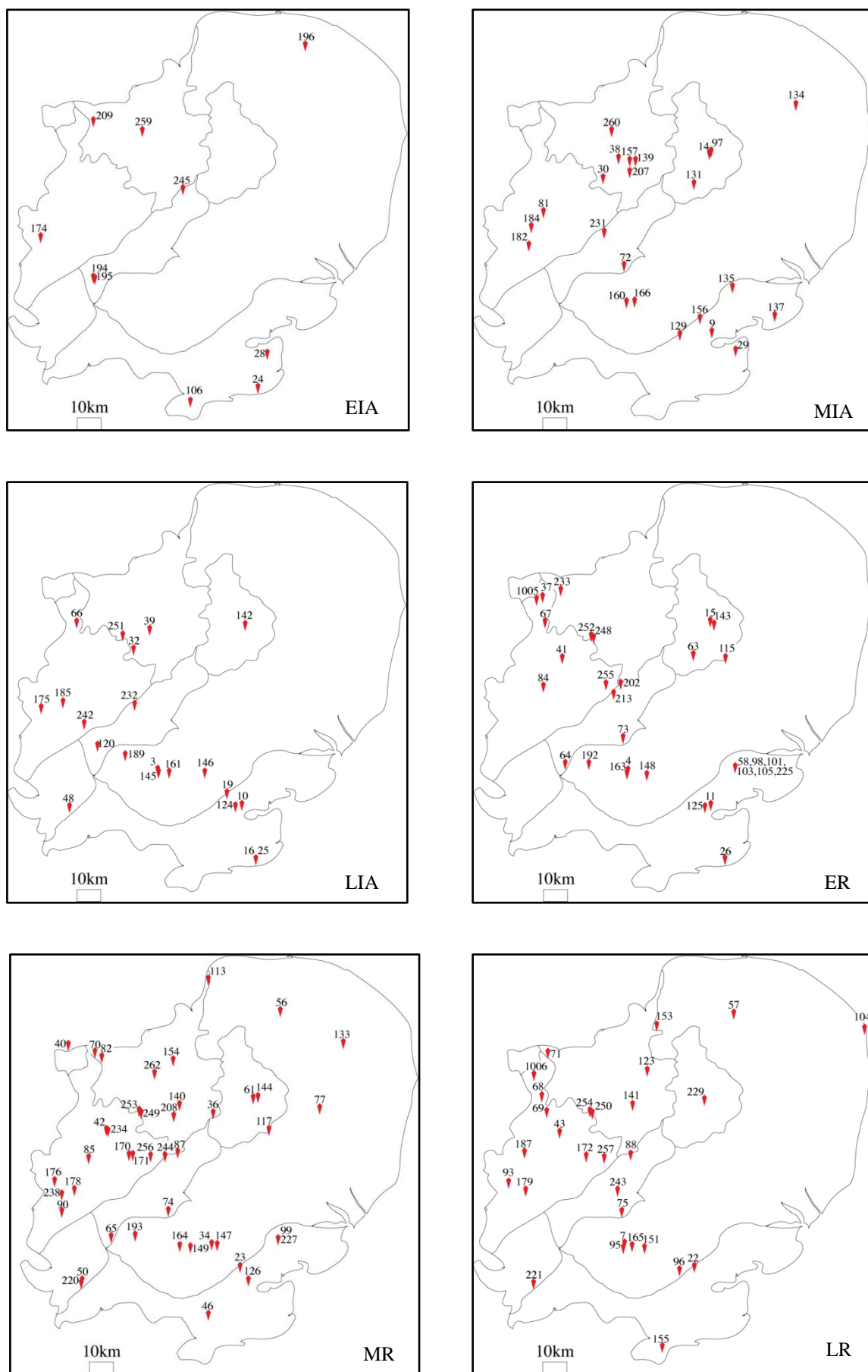


Fig. 3.1. Records included in Method 2, labelled with record numbers (see Appendix 1).

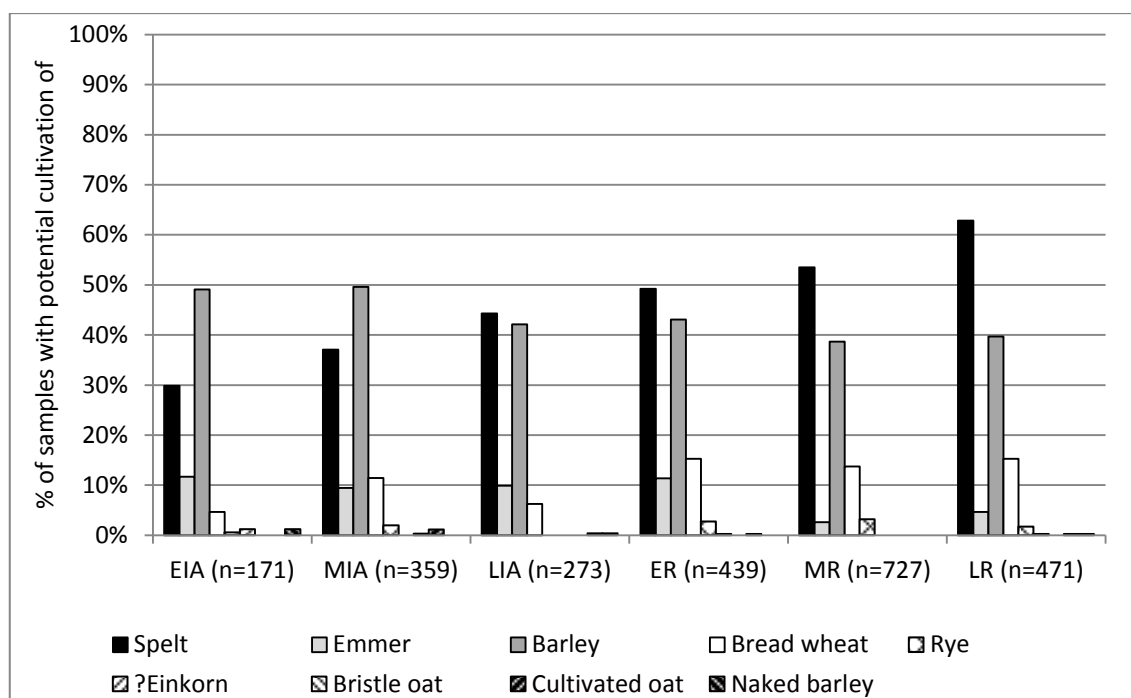


Fig. 3.2. Potential cereal crops identified using Method 1 (n=2440 samples).

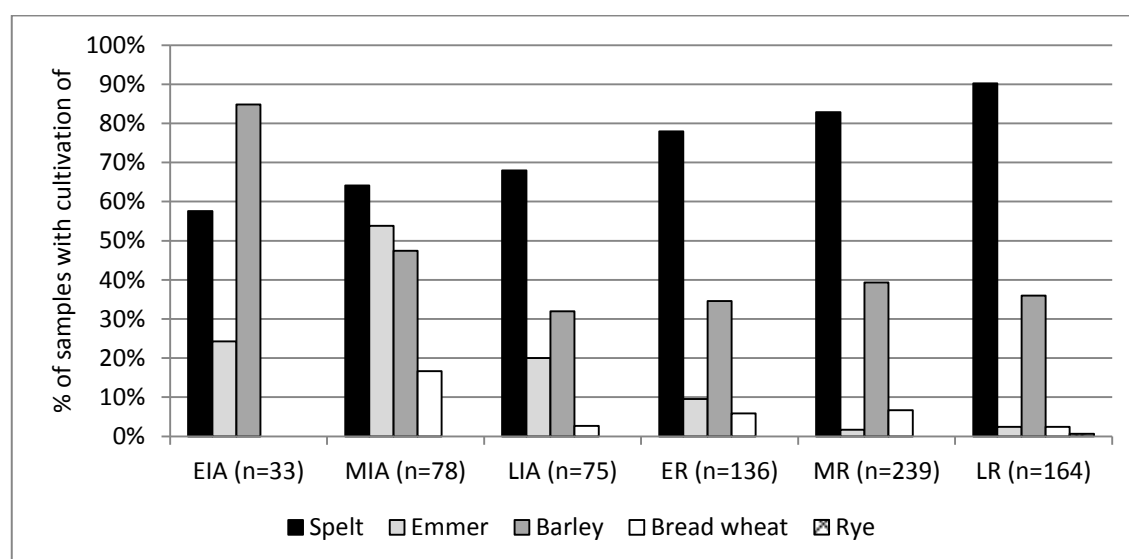


Fig. 3.3. Cereal crops identified using Method 2 (n=725 samples).

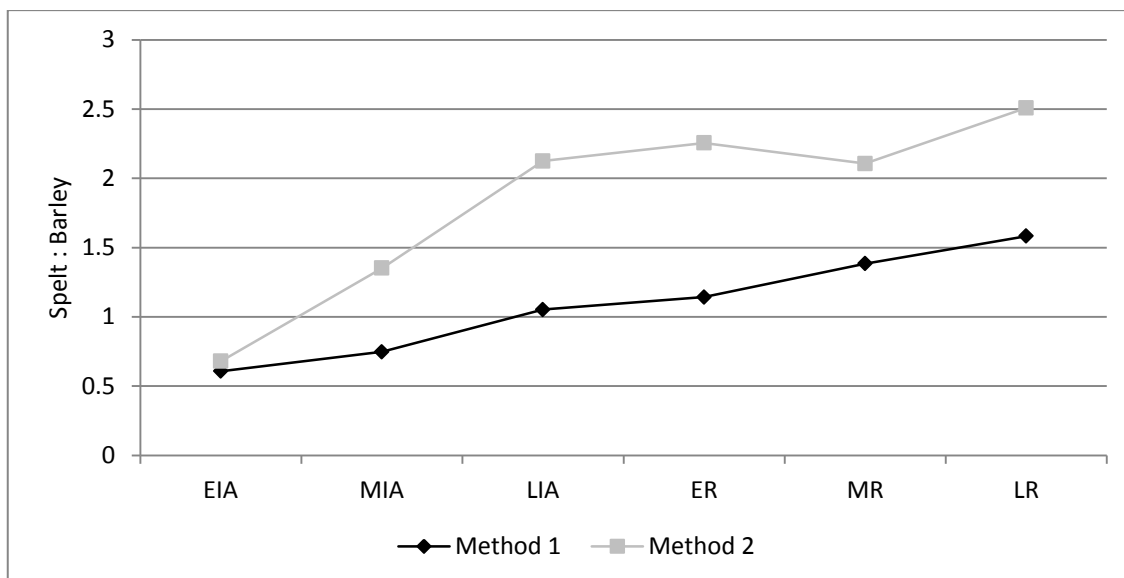


Fig 3.4. Ratio of samples with spelt crops to samples with barley crops.

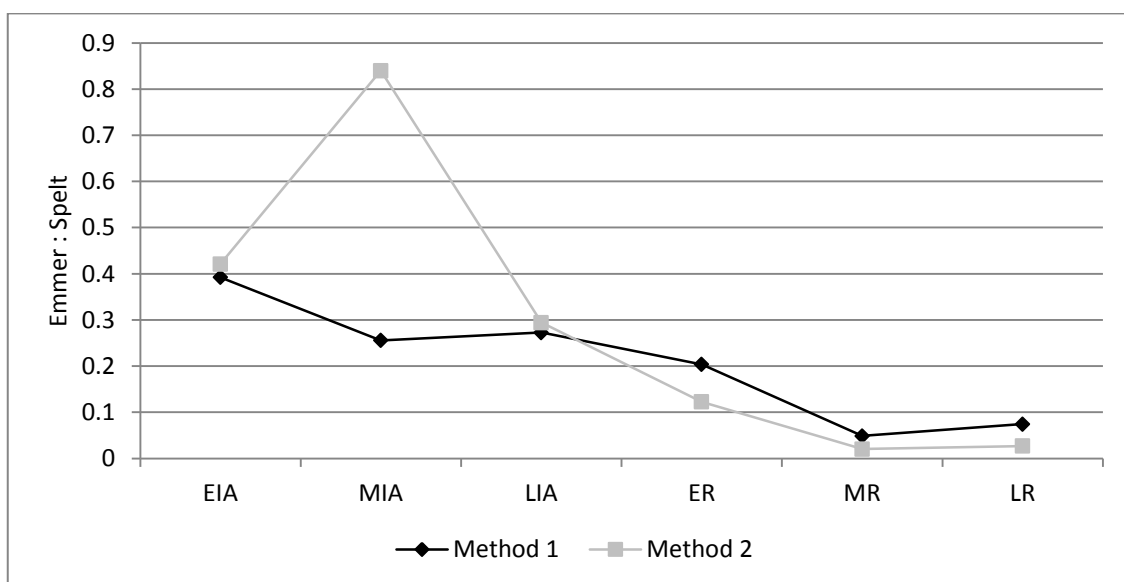


Fig. 3.5. Ratio of samples with emmer crops to samples with spelt crops.

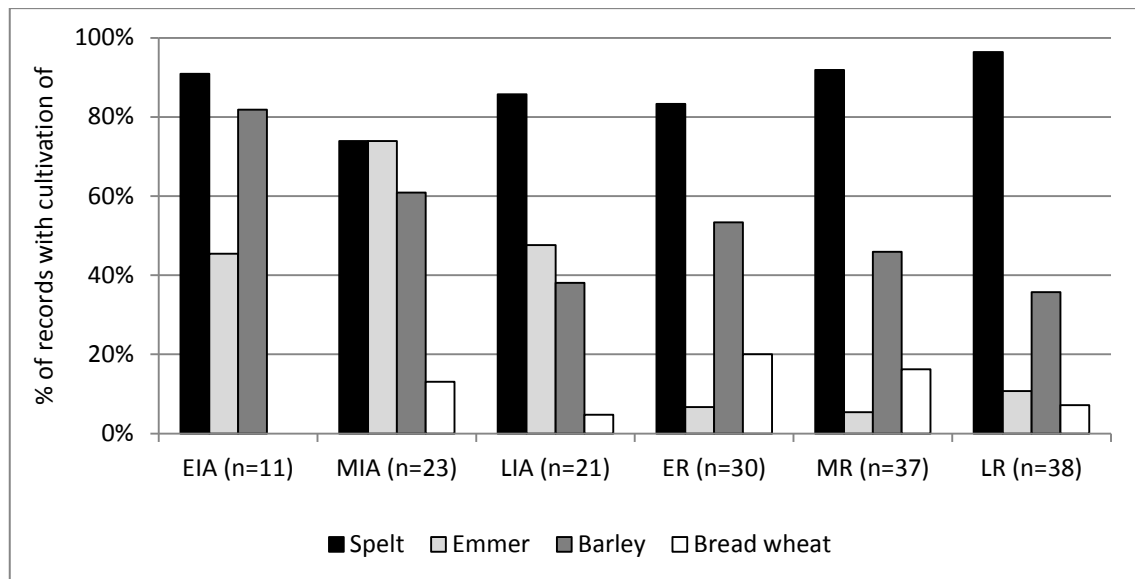


Fig. 3.6. Percentage of records (n=160) with samples representing spelt-, barley- and emmer- cultivation (Method 2).

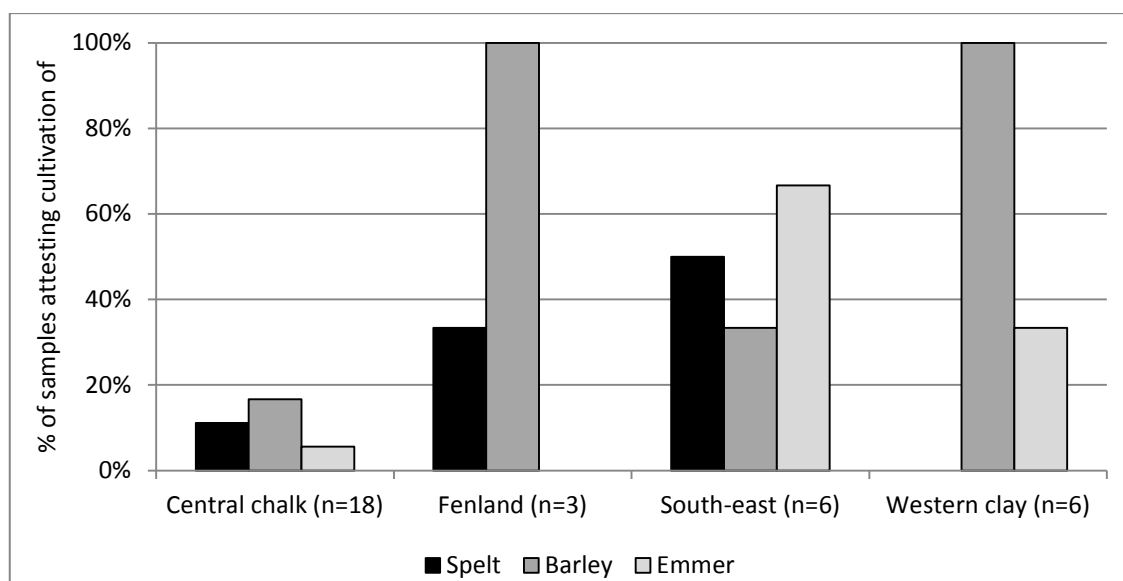


Fig. 3.7. Percentage of EIA (n=33) samples from different sub-regions representing spelt-, barley- and emmer-cultivation (Method 2).

Other crops and sub-regions were not represented in Method 2 for this period.

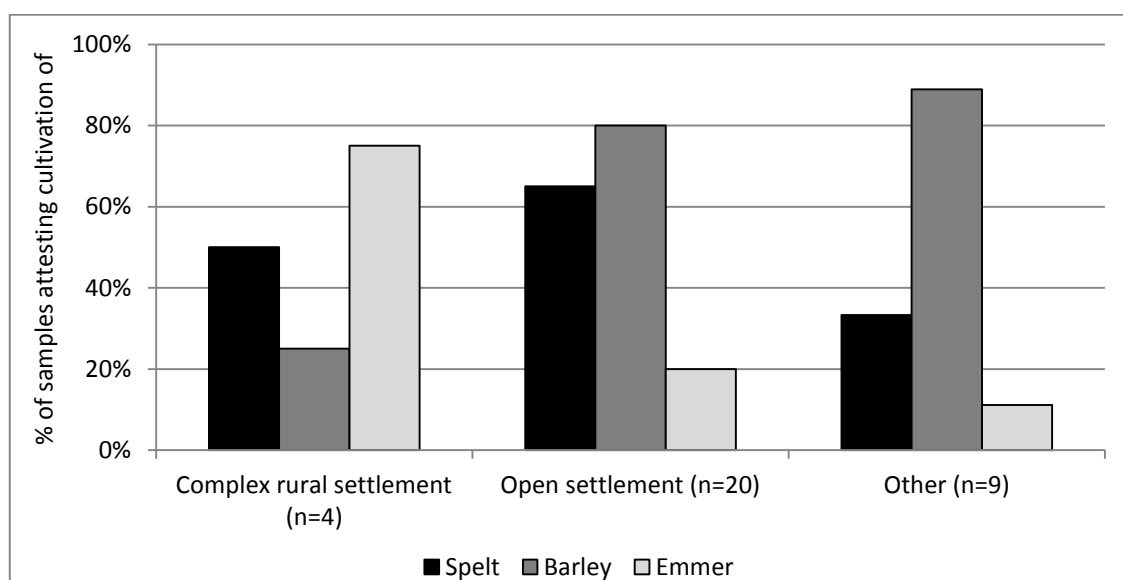


Fig. 3.8. Percentage of EIA (n=33) samples from different record-types representing spelt-, barley- and emmer-cultivation (Method 2).

Other crops and record-types were not represented in Method 2 for this period.

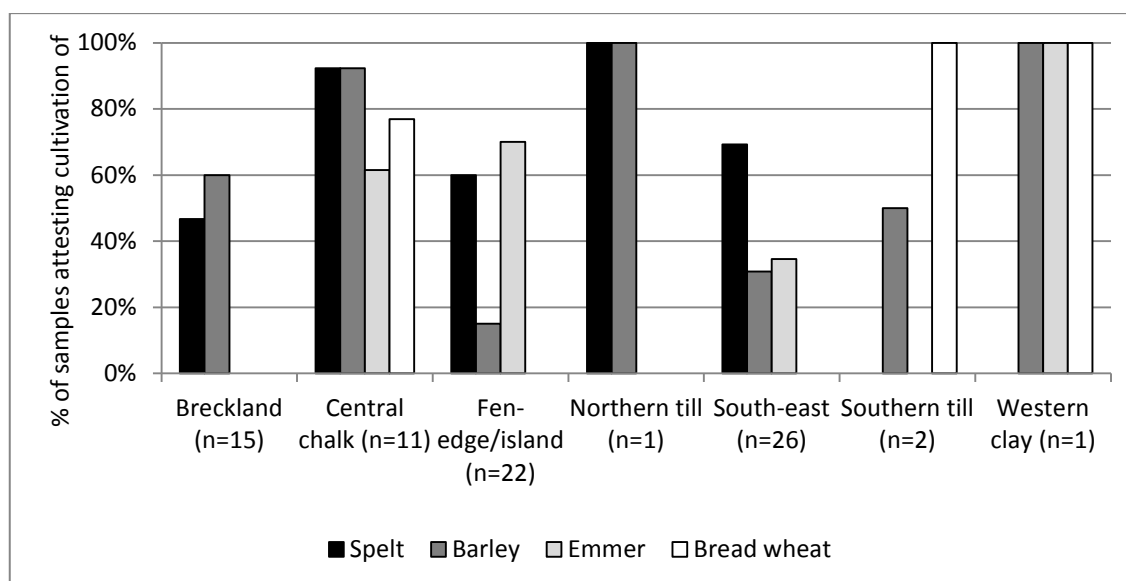


Fig. 3.9. Percentage of MIA samples (n=78) from different sub-regions representing spelt-, barley-, emmer- and bread wheat-cultivation (Method 2).

Other crops and sub-regions were not represented in Method 2 for this period.

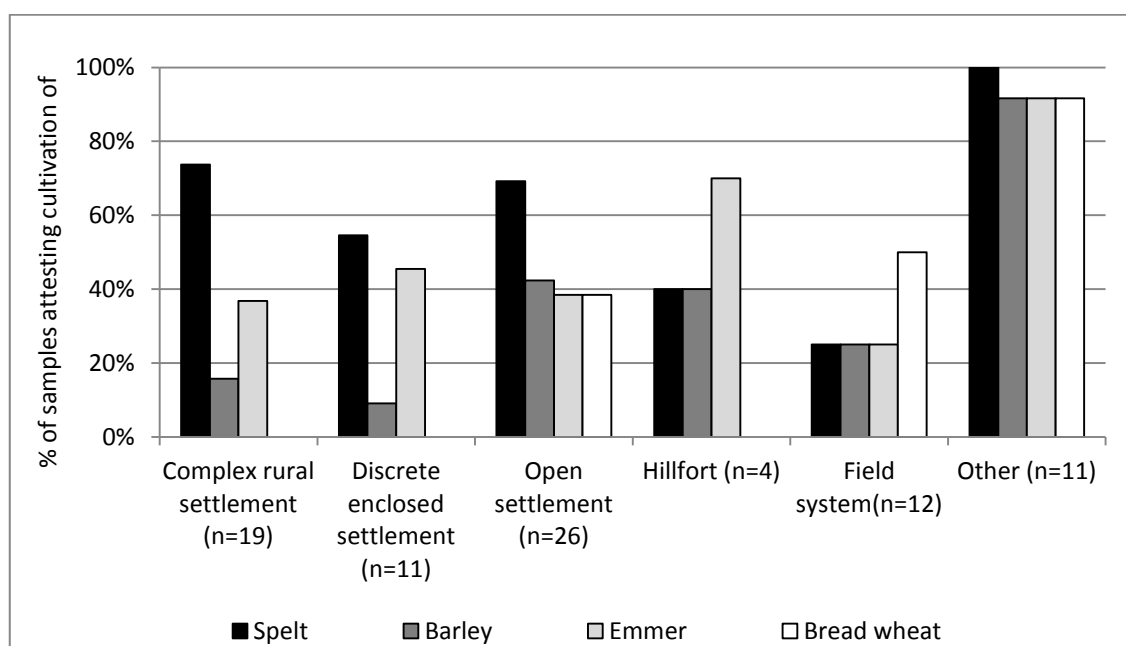


Fig. 3.10. Percentage of MIA samples (n=78) from different record-types representing spelt-, barley-, emmer- and bread wheat-cultivation (Method 2).

Other crops and record-types were not represented in Method 2 for this period.

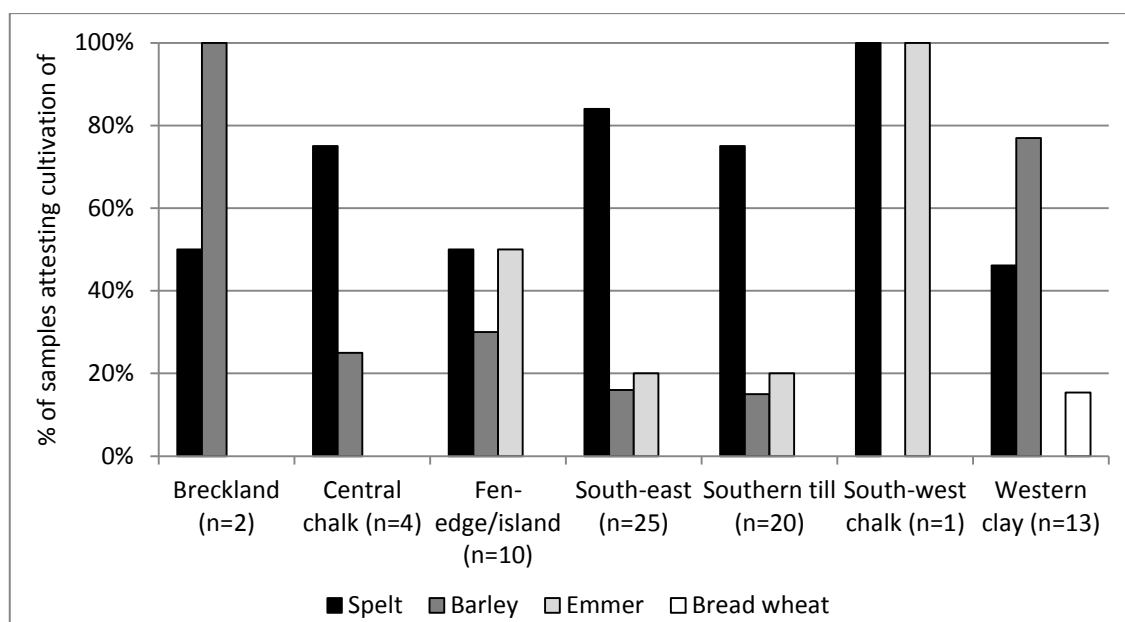


Fig. 3.11. Percentage of LIA samples (n=75) from different sub-regions representing spelt-, barley-, emmer- and bread wheat-cultivation (Method 2).

Other crops and sub-regions were not represented in Method 2 for this period.

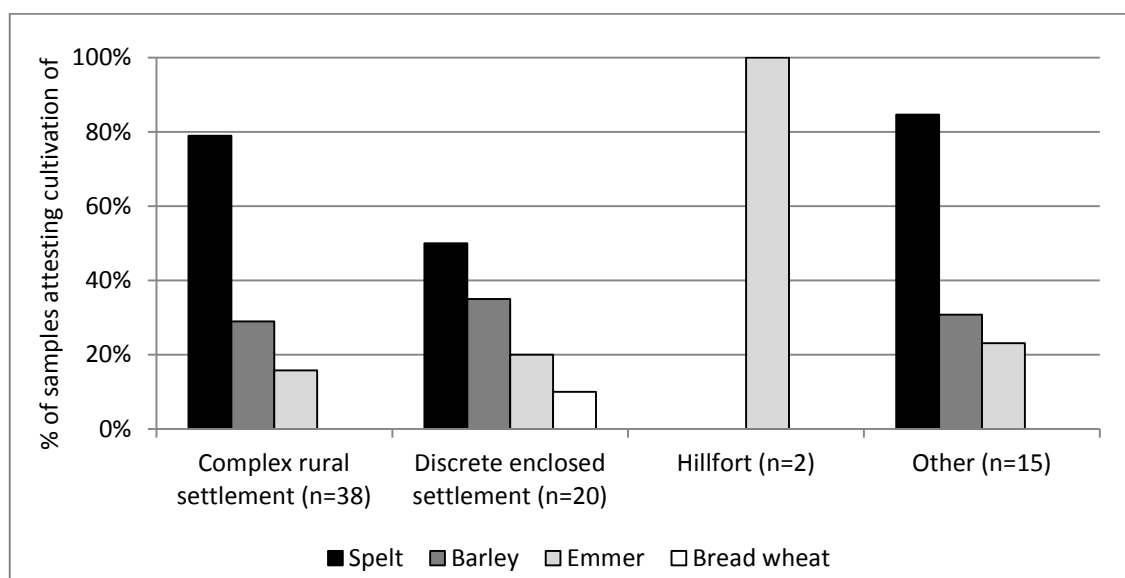


Fig. 3.12. . Percentage of LIA samples (n=75) from different record-types representing spelt-, barley-, emmer- and bread wheat-cultivation (Method 2).

Other crops and record-types were not represented in Method 2 for this period.

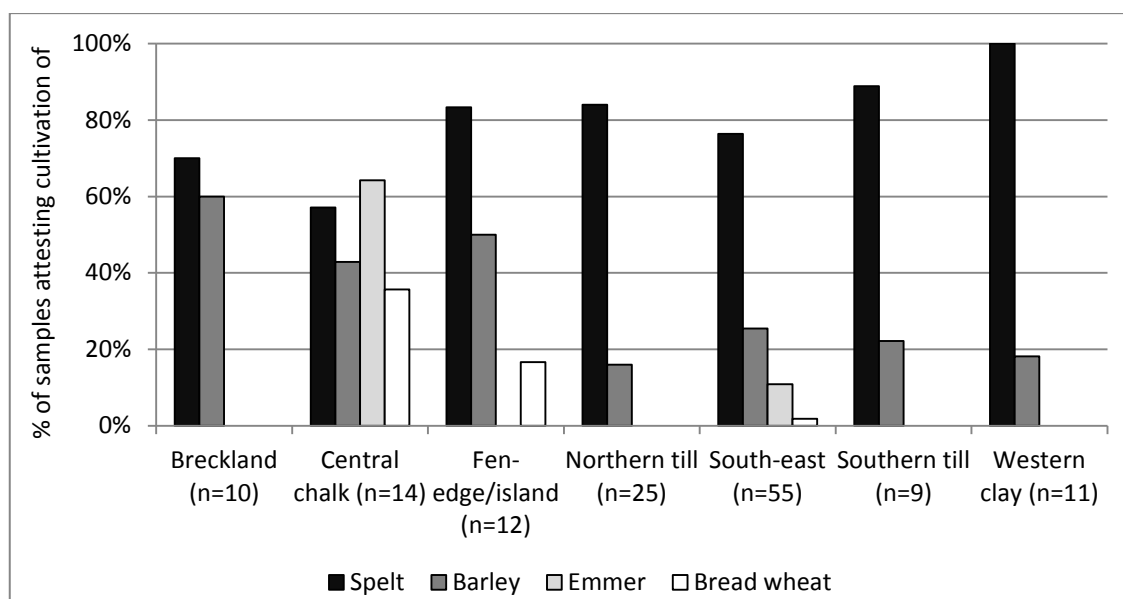


Fig. 3.13. Percentage of ER samples (n=136) from different sub-regions representing spelt-, barley-, emmer- and bread wheat-cultivation (Method 2).

Other crops and sub-regions were not represented in Method 2 for this period.

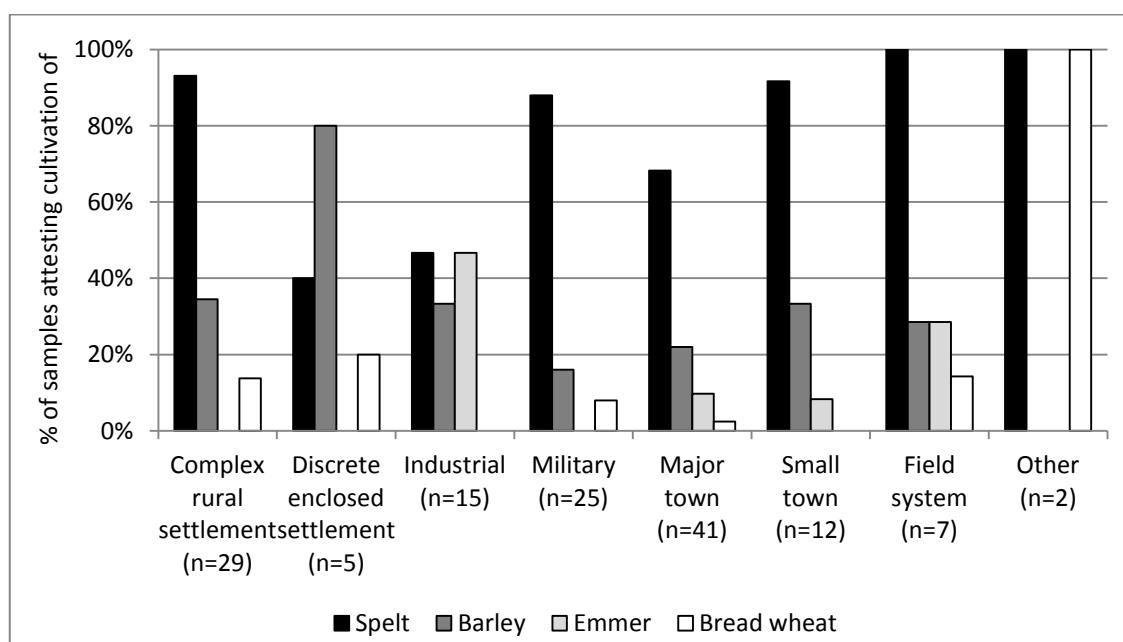


Fig. 3.14. Percentage of ER samples (n=136) from different record-types representing spelt-, barley-, emmer- and bread wheat-cultivation (Method 2).

Other crops and record-types were not represented in Method 2 for this period.

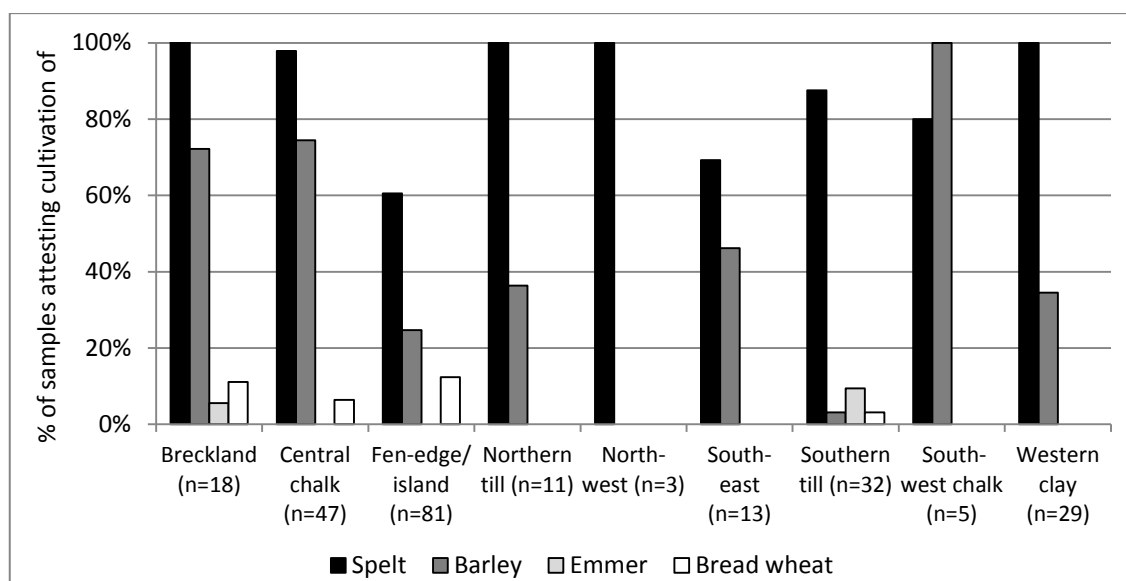


Fig. 3.15. Percentage of MR samples (n=239) from different sub-regions representing spelt-, barley-, emmer- and bread wheat-cultivation (Method 2).

Other crops and sub-regions were not represented in Method 2 for this period.

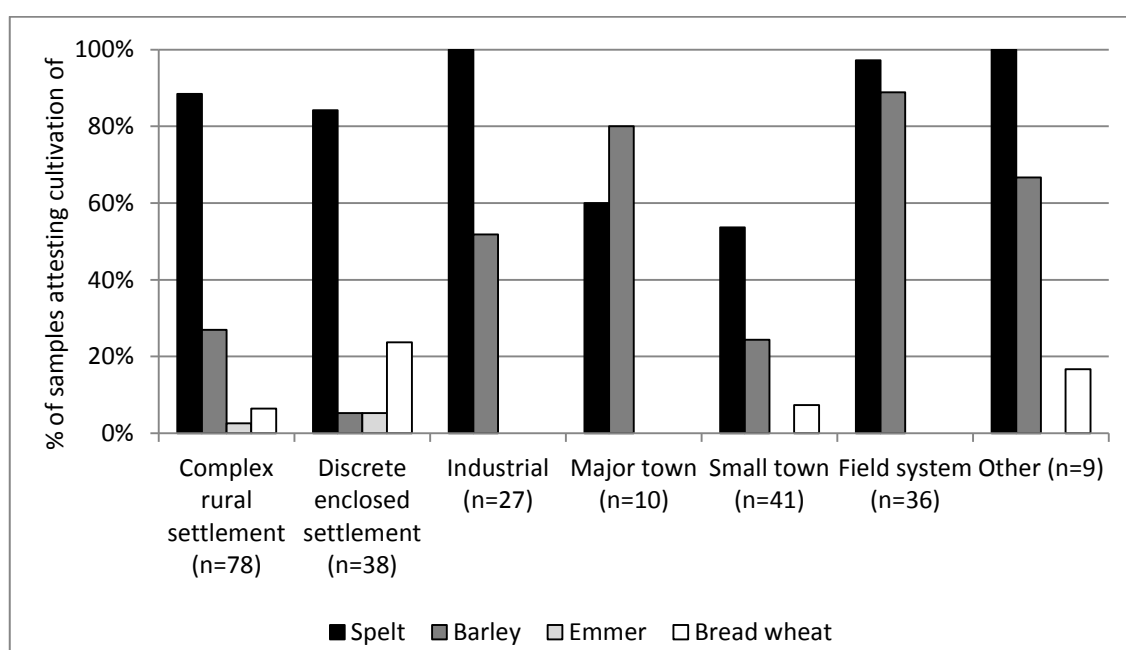


Fig. 3.16. Percentage of MR samples (n=239) from different record-types representing spelt-, barley-, emmer- and bread wheat-cultivation (Method 2).

Other crops and record-types were not represented in Method 2 for this period.

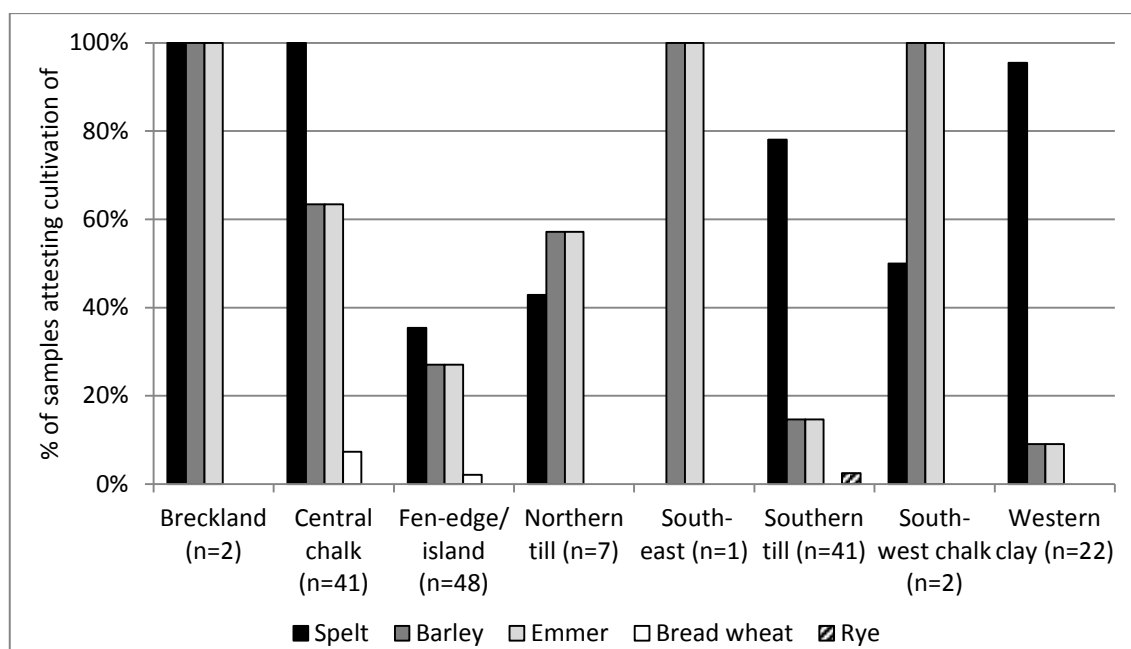


Fig. 3.17. Percentage of LR samples (n=164) from different sub-regions representing spelt-, barley-, emmer- and bread wheat-cultivation (Method 2).
 Other crops and sub-regions were not represented in Method 2 for this period.

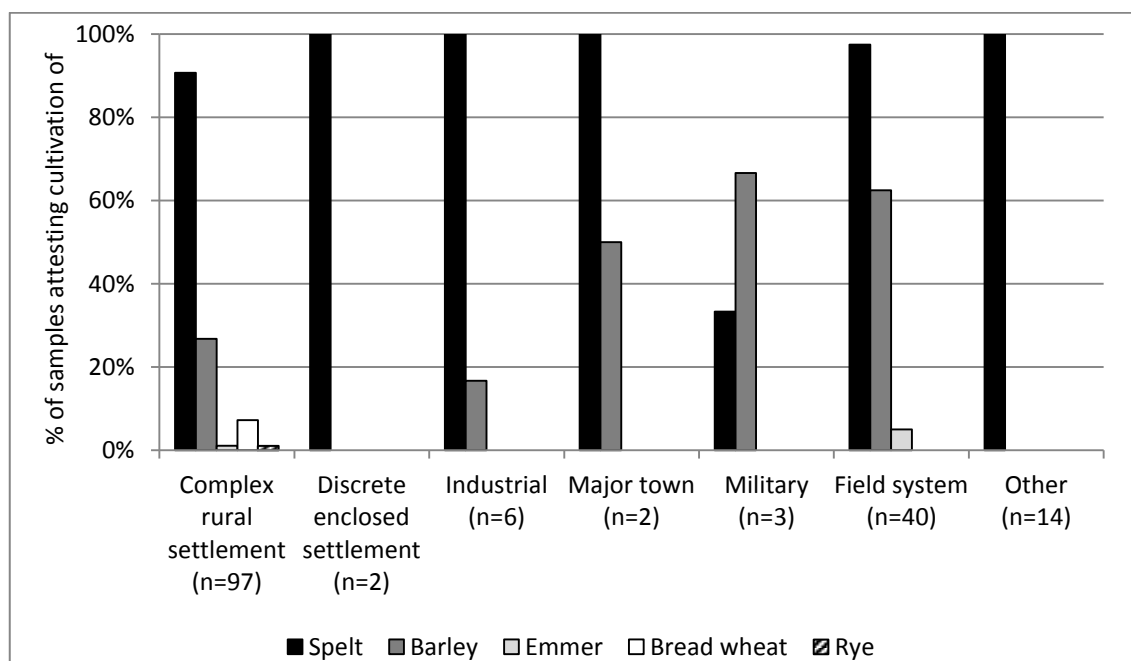


Fig. 3.18. Percentage of LR samples (n=164) from different record-types representing spelt-, barley-, emmer-, bread wheat- and rye-cultivation (Method 2).
 Other crops and record-types were not represented in Method 2 for this period.

331

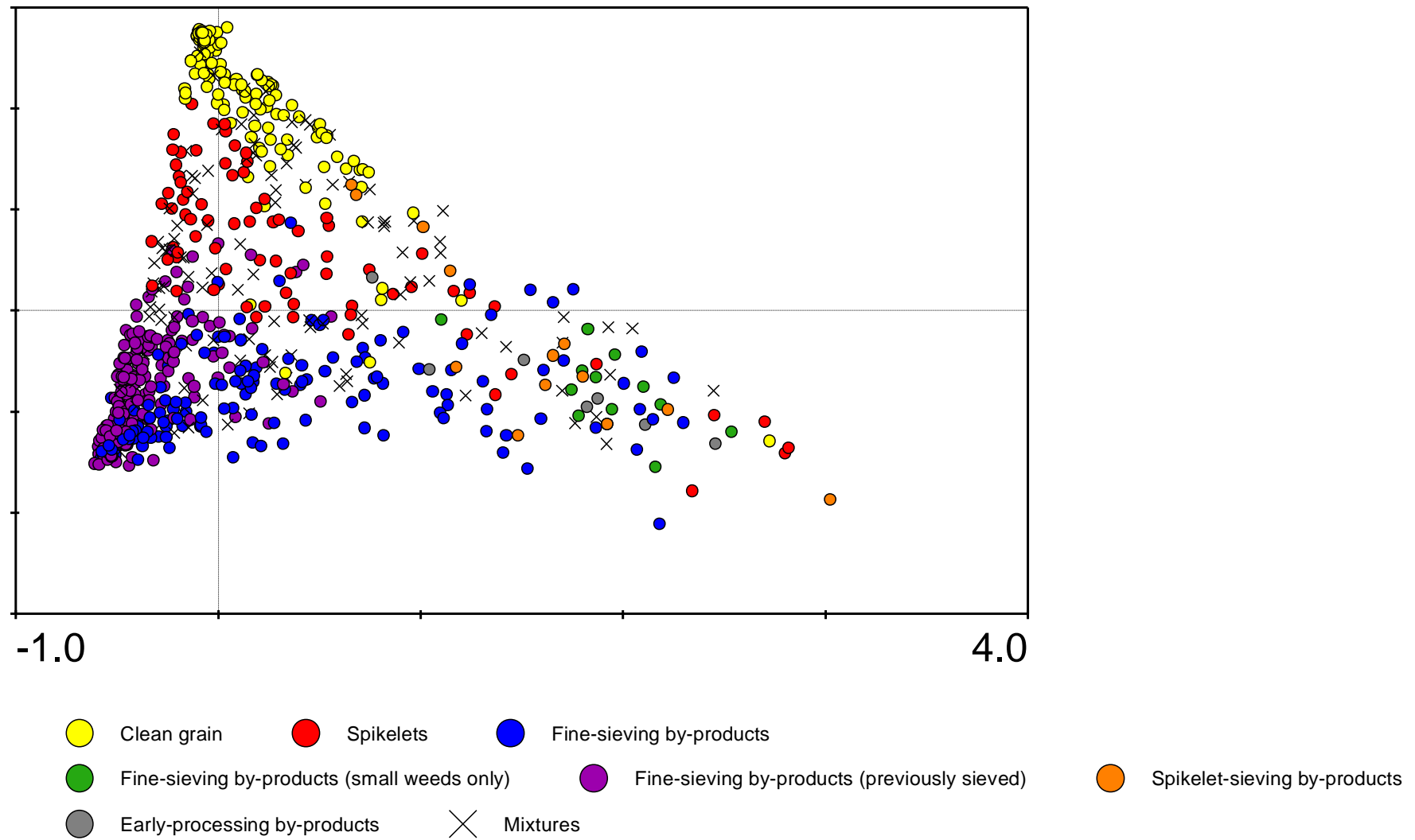


Fig. 4.2. Correspondence analysis for exploration of crop-processing derivation: samples. Pure crop-processing derivatives coded by type.

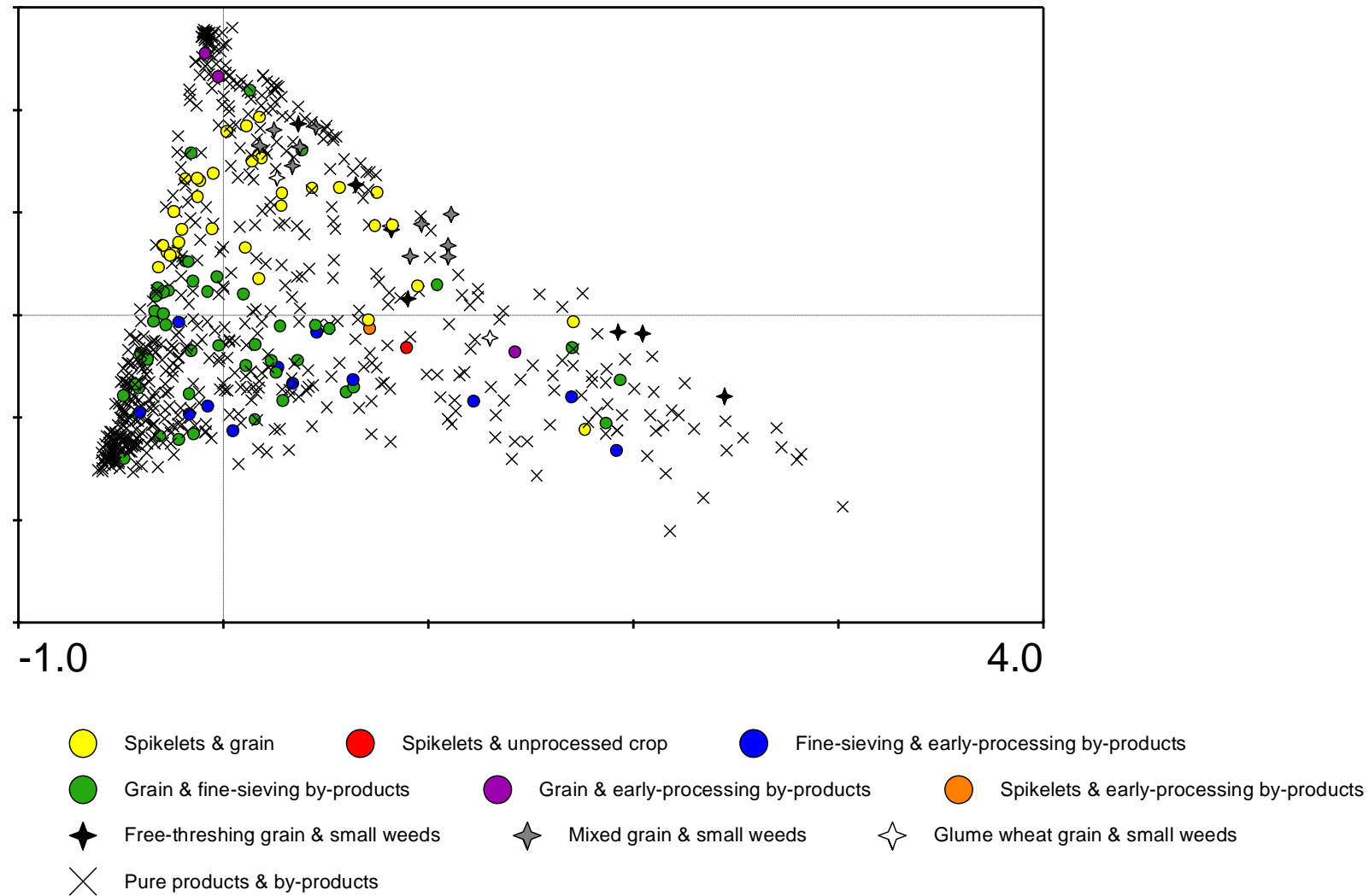


Fig. 4.3. Correspondence analysis: samples. Mixed crop-processing derivatives coded by type.

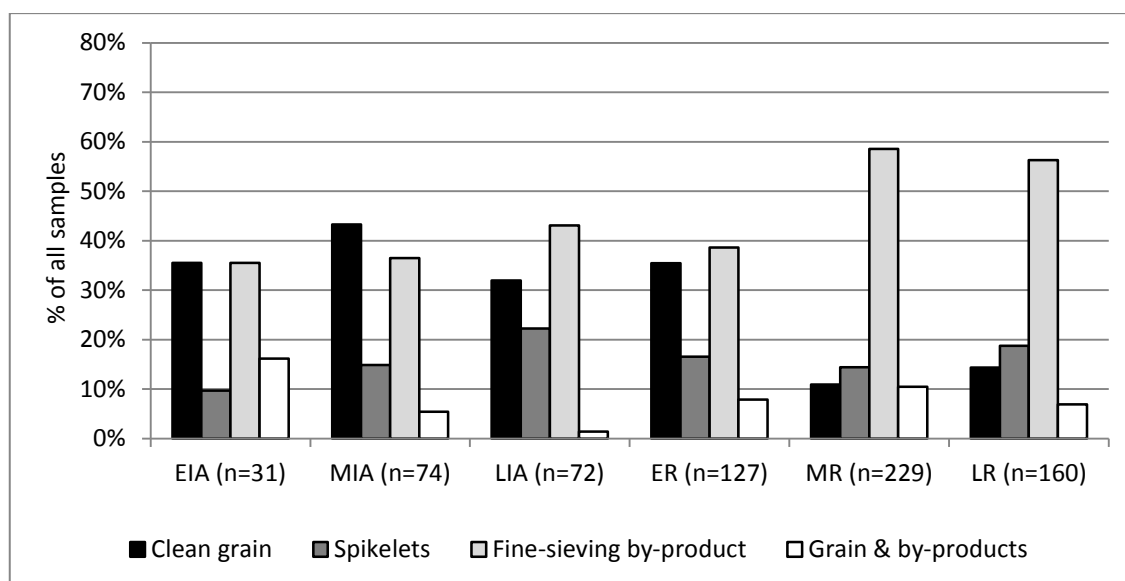


Fig. 4.4 Proportion of all samples (n=693) containing fine-sieving by-products, clean grain, spikelets or mixed grain/fine-sieving by-products.

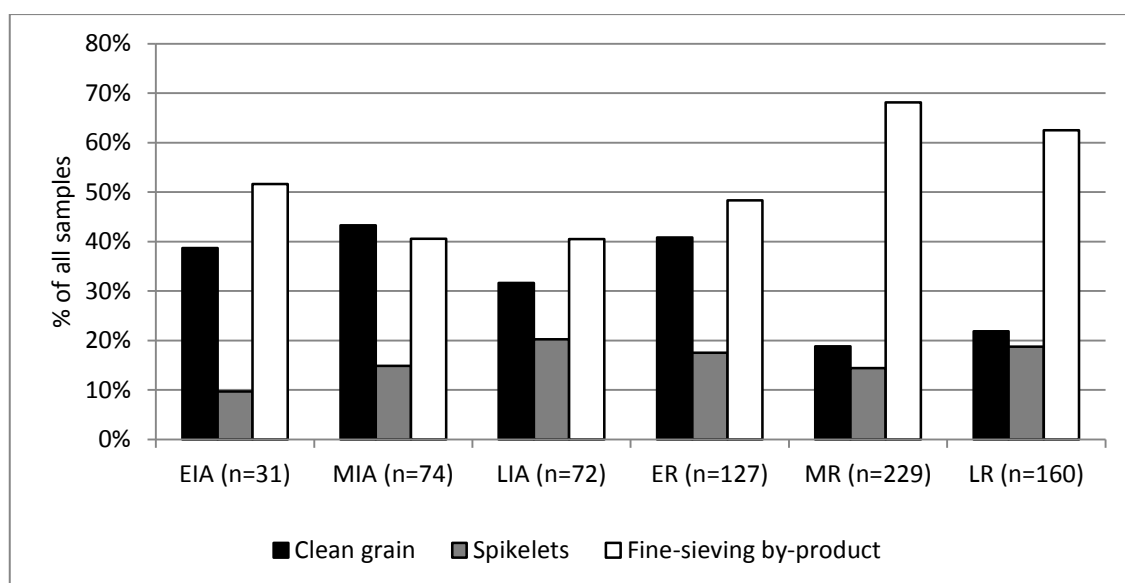


Fig. 4.5. Proportion of all samples (n=693) in which fine-sieving by-products, clean grain and spikelets occurred. Includes samples in which they were mixed with other products or by-products.

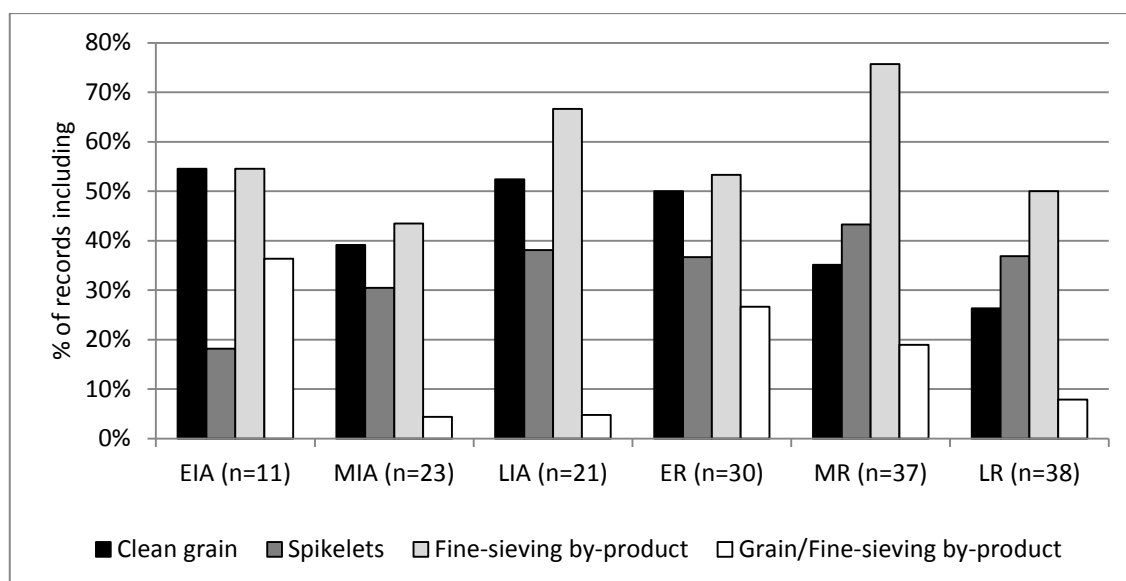
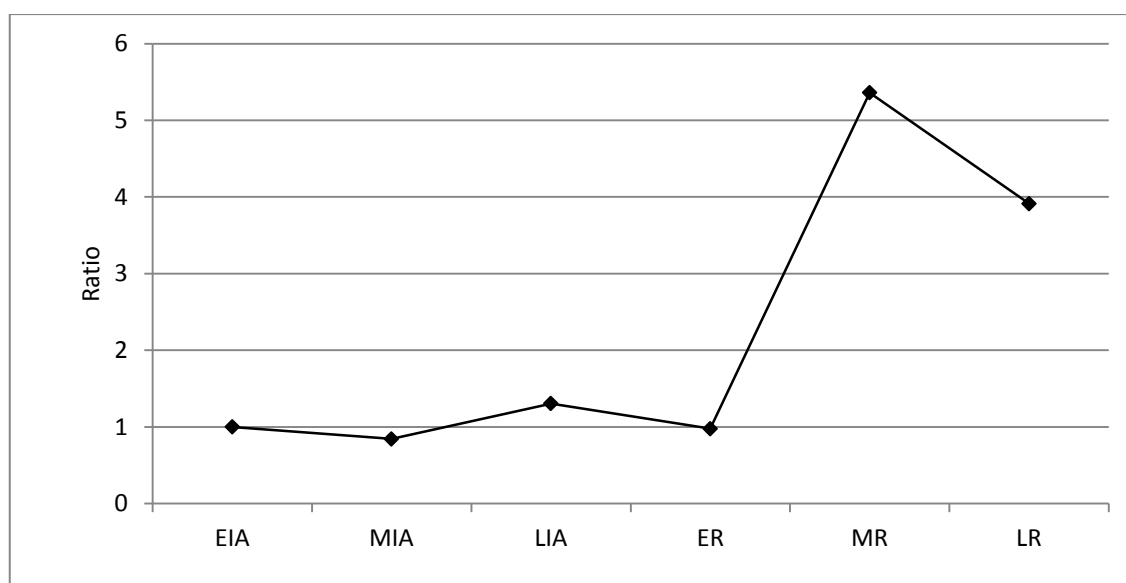


Fig. 4.6. Proportion of records (n=160) with samples containing fine-sieving by-products, clean grain, spikelets and mixed grain/fine-sieving by-products.



*Fig. 4.7. Ratio of fine-sieving by-product samples to clean grain samples.
Excludes mixtures of the two.*

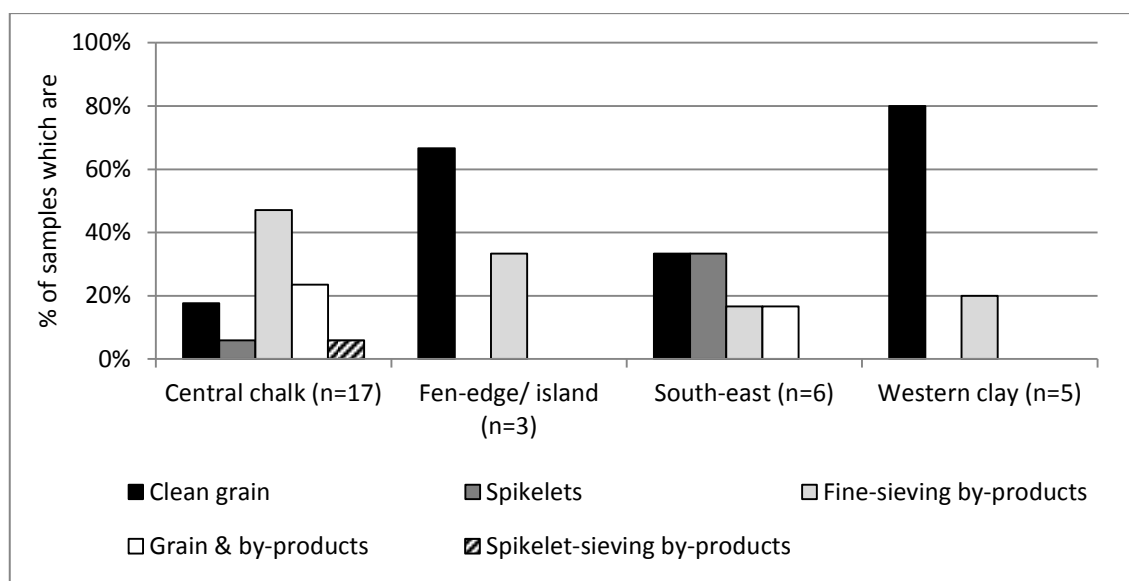


Fig. 4.8. Proportion of EIA samples (n=31) from each sub-region accounted for by each crop-processing derivative/combination.

Sub-regions not shown had no samples included in the analysis for this period.

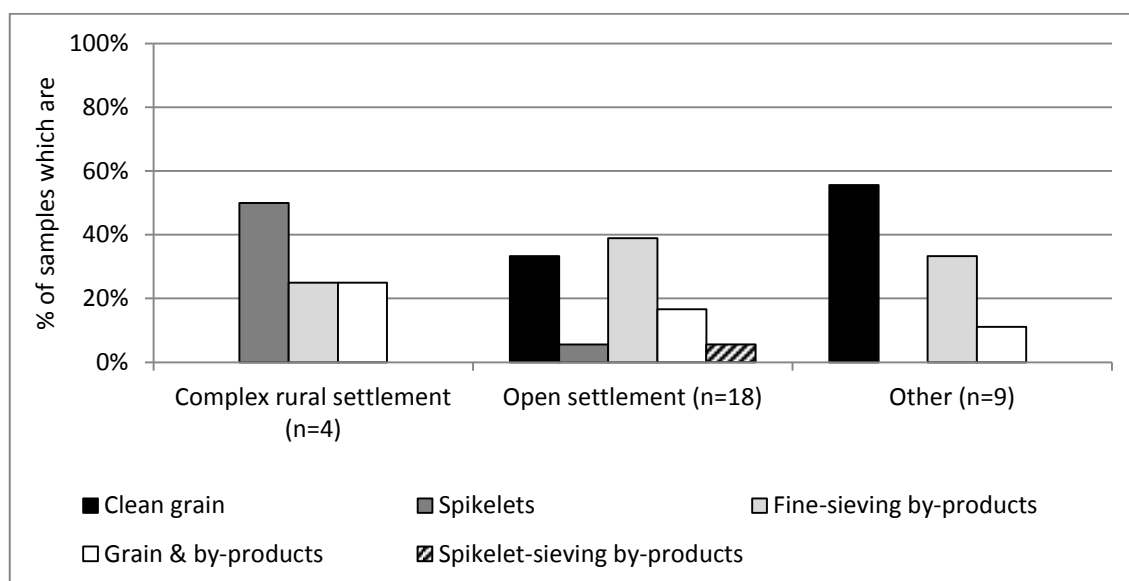


Fig. 4.9. Proportion of EIA samples (n=31) from each record-type accounted for by each crop-processing derivative/combination.

Record-types not shown had no samples included in the analysis for this period; the category 'other' includes settlements of unclear nature, burial/ceremonial sites and isolated features.

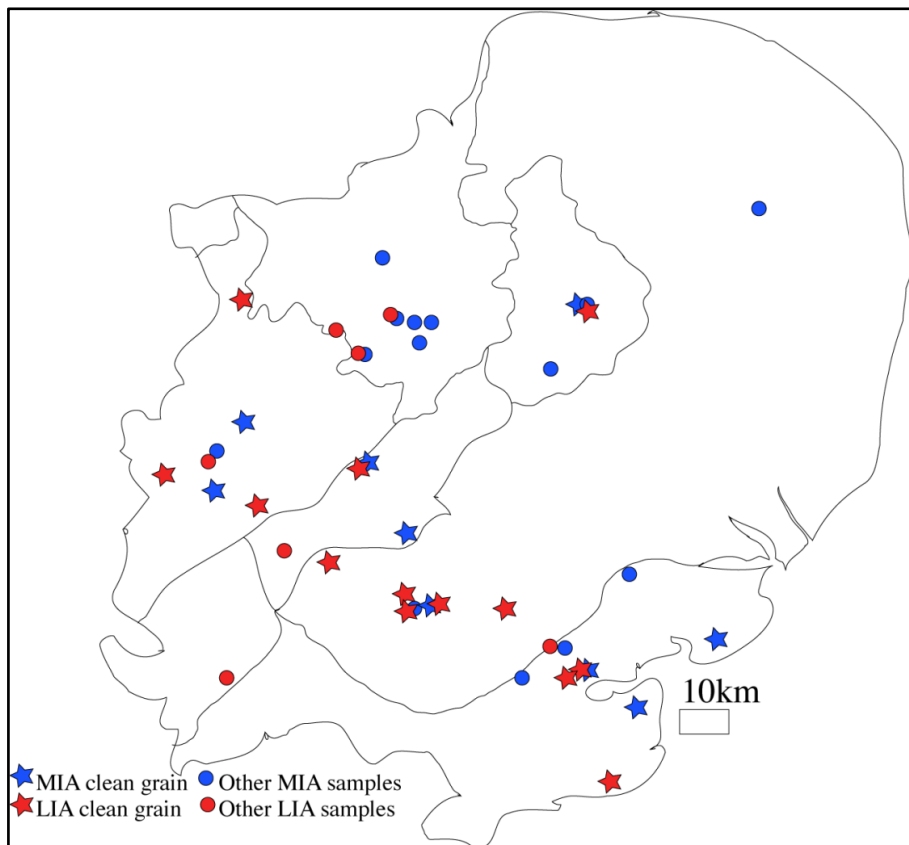


Fig. 4.10. Distribution of MIA and LIA clean grain samples.

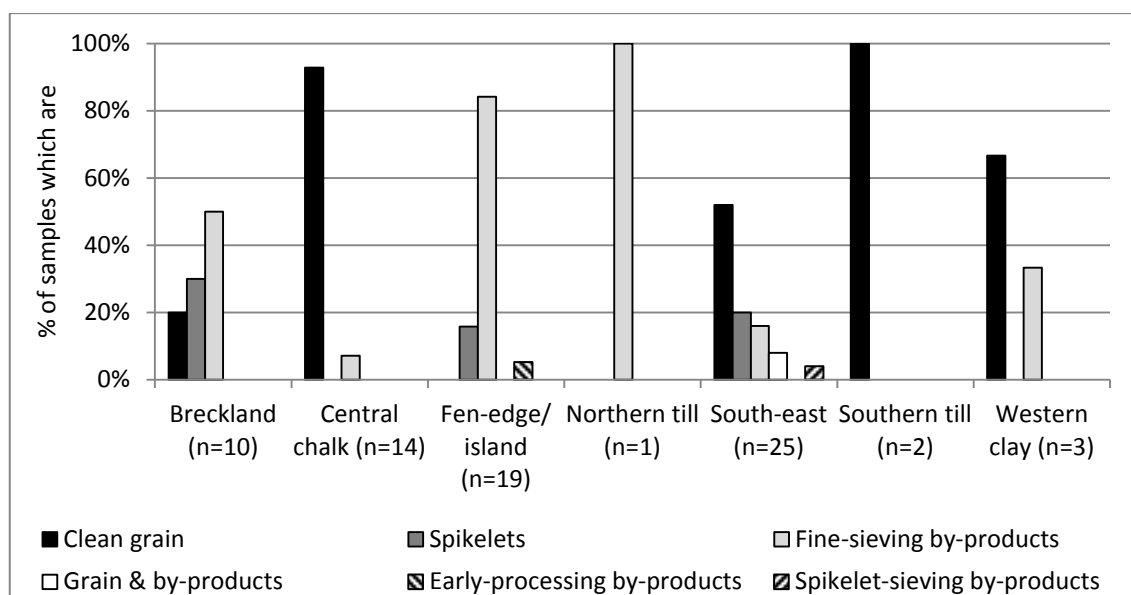


Fig. 4.11. Proportion of MIA samples (n=74) from each sub-region accounted for by each crop-processing derivative/combination.

Sub-regions not shown had no samples included in the analysis for this period.

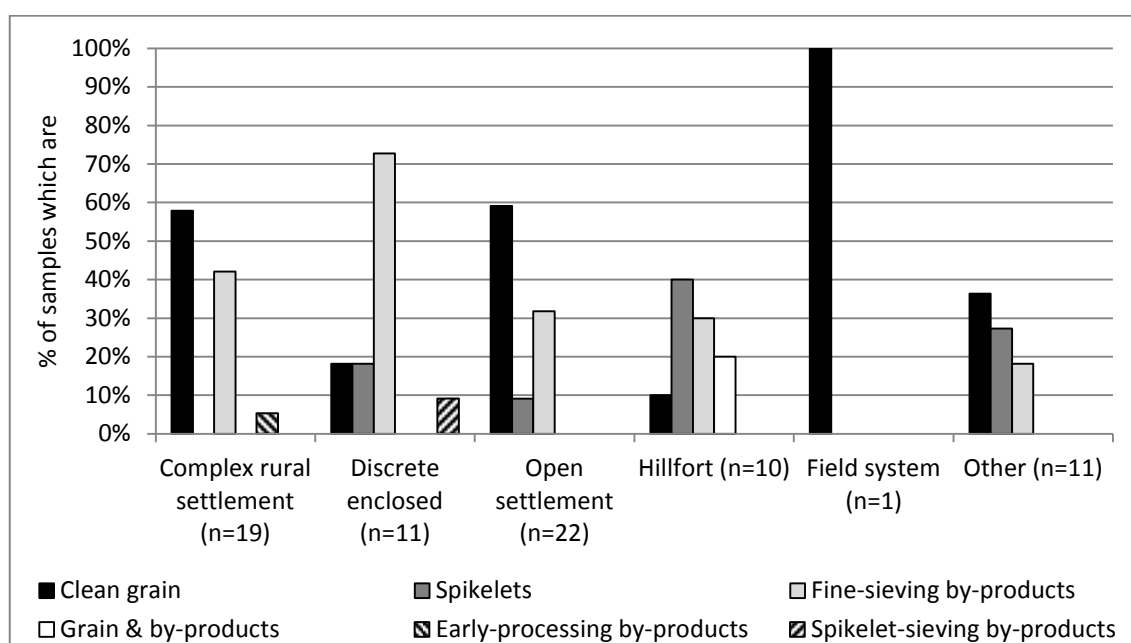


Fig. 4.12. Proportion of MIA samples (n=74) from each record-type accounted for by each crop-processing derivative/combination.

Record-types not shown had no samples included in the analysis for this period; the category 'other' includes settlements of unclear nature, burial/ceremonial sites and isolated features.

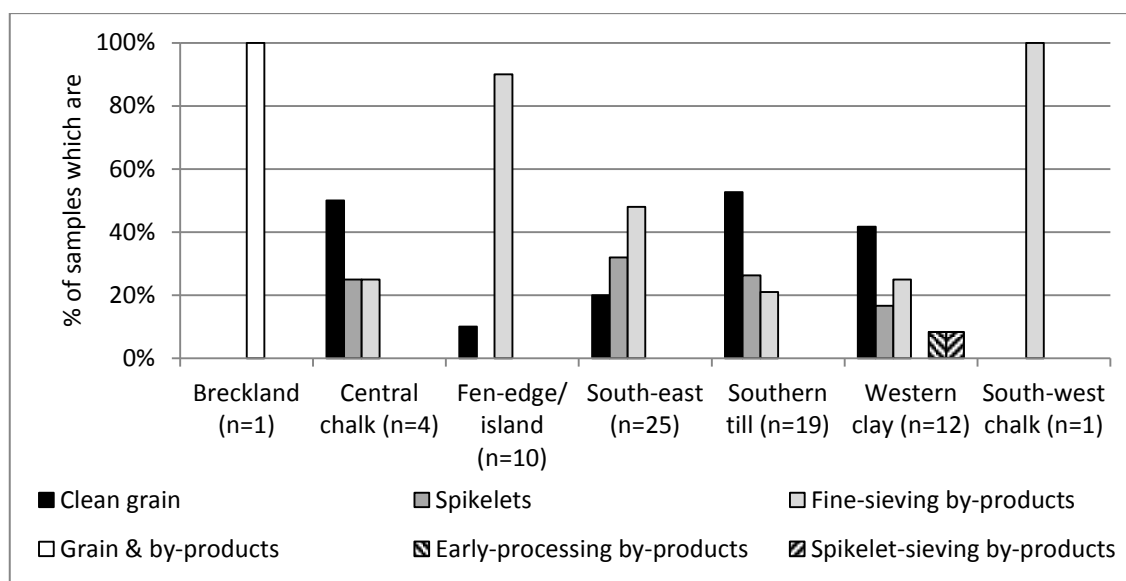


Fig. 4.13. Proportion of LIA samples (n=72) from each sub-region accounted for by each crop-processing derivative/combination.

Sub-regions not shown had no samples included in the analysis for this period.

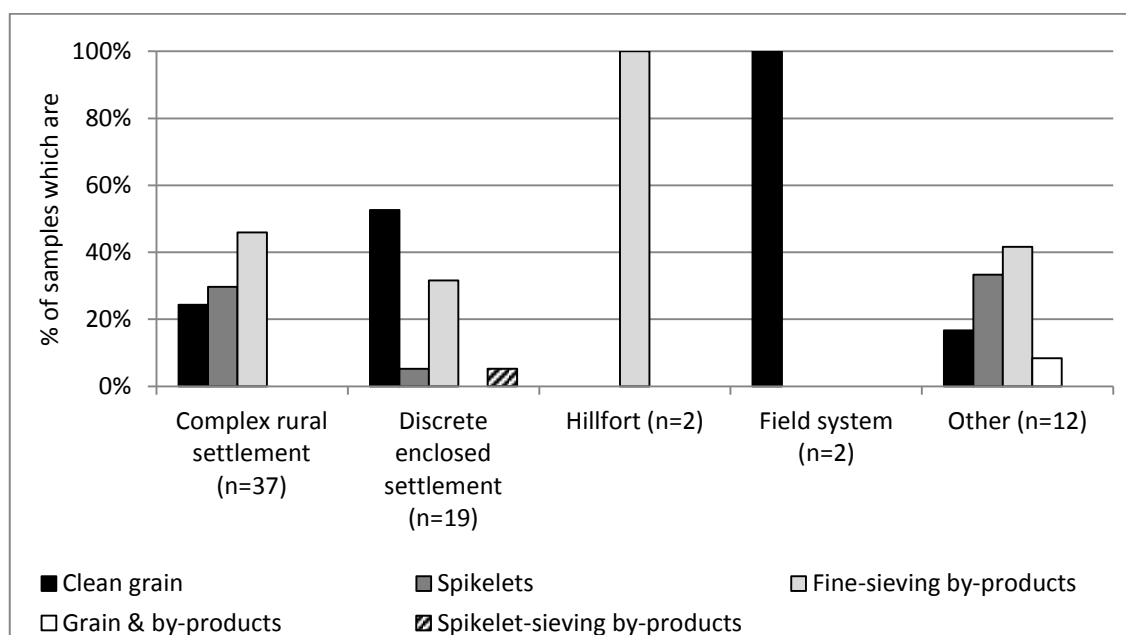


Fig. 4.14. Proportion of LIA samples (n=72) from each record-type accounted for by each crop-processing derivative/combination.

Record-types not shown had no samples included in the analysis for this period; the category 'other' includes settlements of unclear nature, burial/ceremonial sites and isolated features.

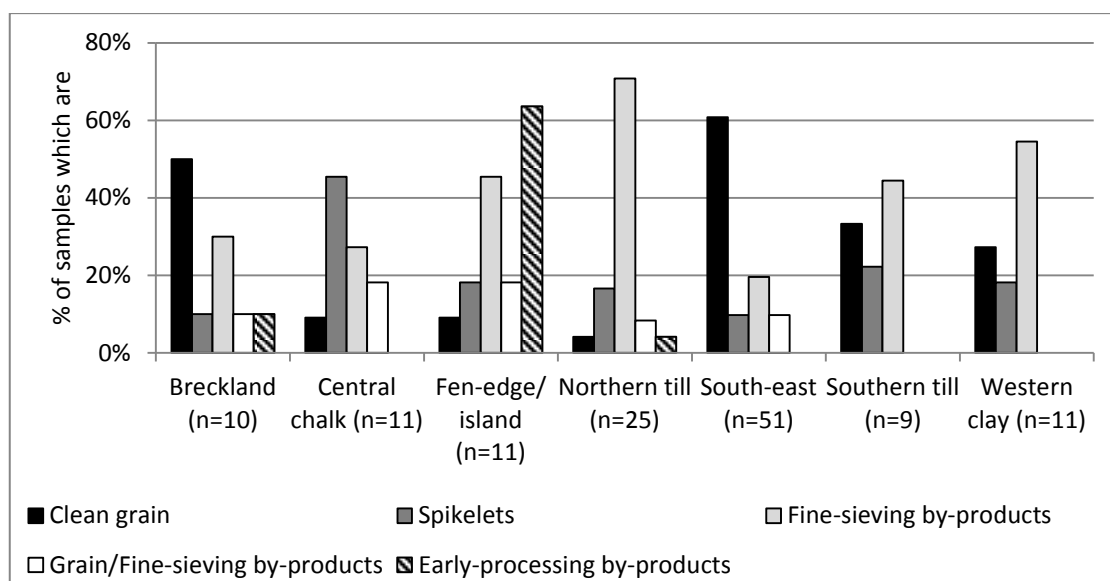


Fig. 4.15. Proportion of ER samples (n=127) from each sub-region accounted for by each crop-processing derivative/combination.

Sub-regions not shown had no samples included in the analysis for this period.

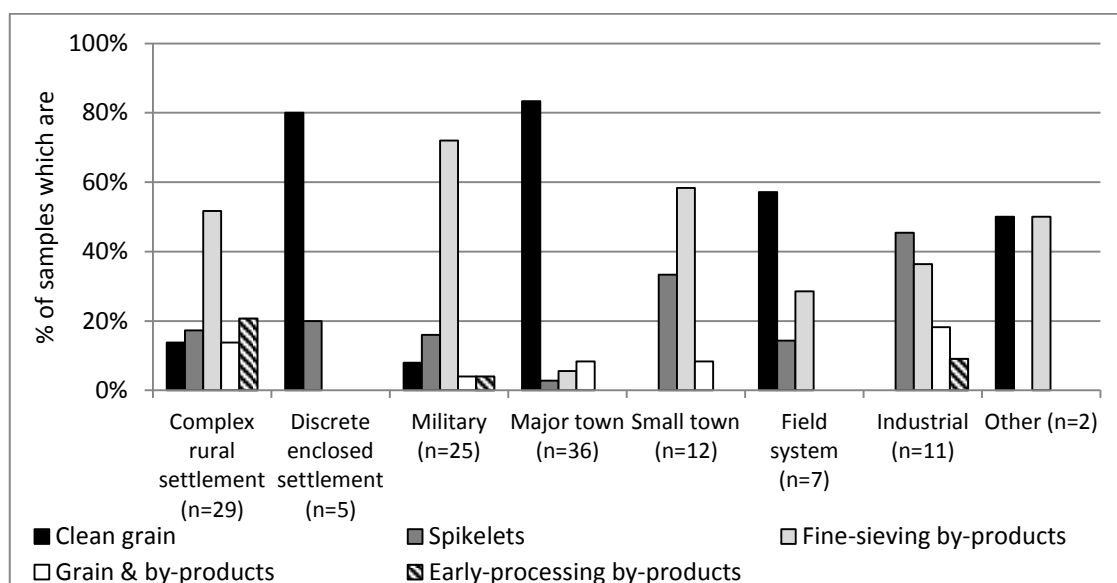


Fig. 4.16. Proportion of ER samples (n=127) from each record-type accounted for by each crop-processing derivative/combination.

Record-types not shown had no samples included in the analysis for this period; the category 'other' includes settlements of unclear nature, burial/ceremonial sites and isolated features.

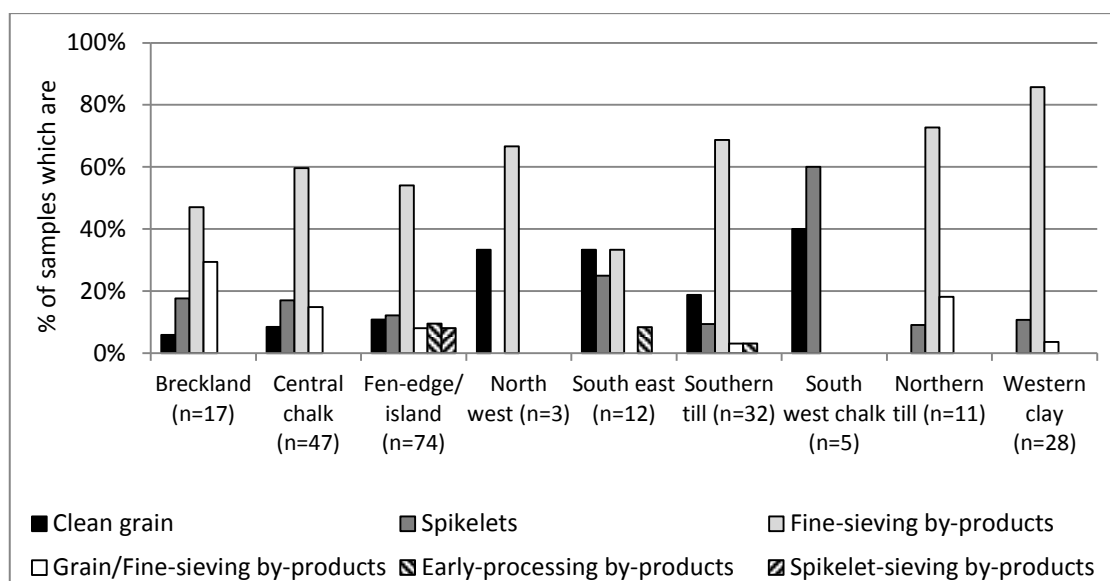


Fig. 4.17. Proportion of MR samples (n=229) from each sub-region accounted for by each crop-processing derivative/combination.

Sub-regions not shown had no samples included in the analysis for this period.

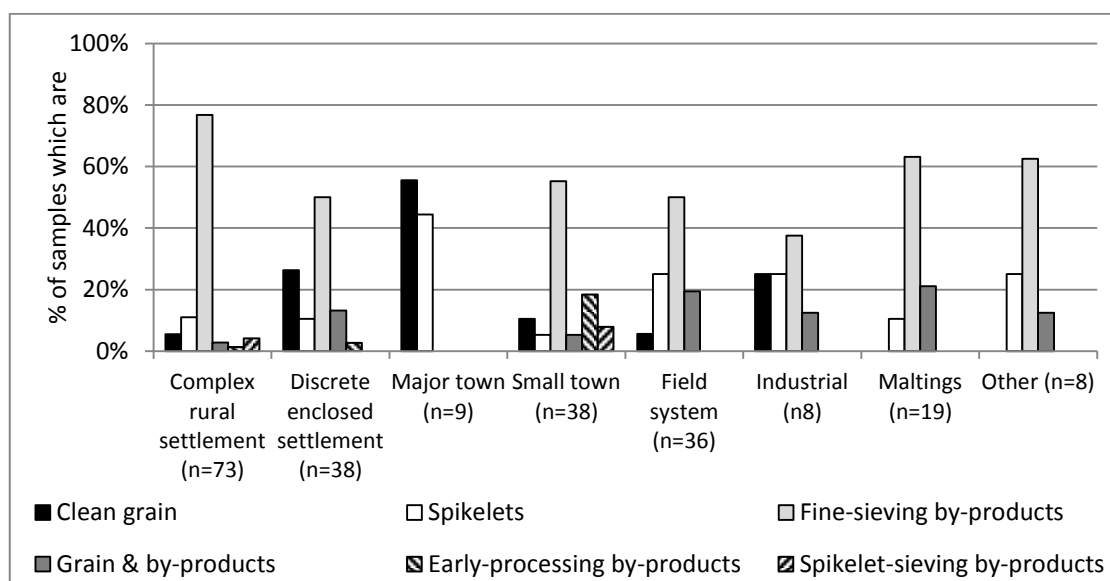


Fig. 4.18. Proportion of MR samples (n=229) from each record-type accounted for by each crop-processing derivative/combination.

Record-types not shown had no samples included in the analysis for this period; the category 'other' includes settlements of unclear nature, burial/ceremonial sites and isolated features.

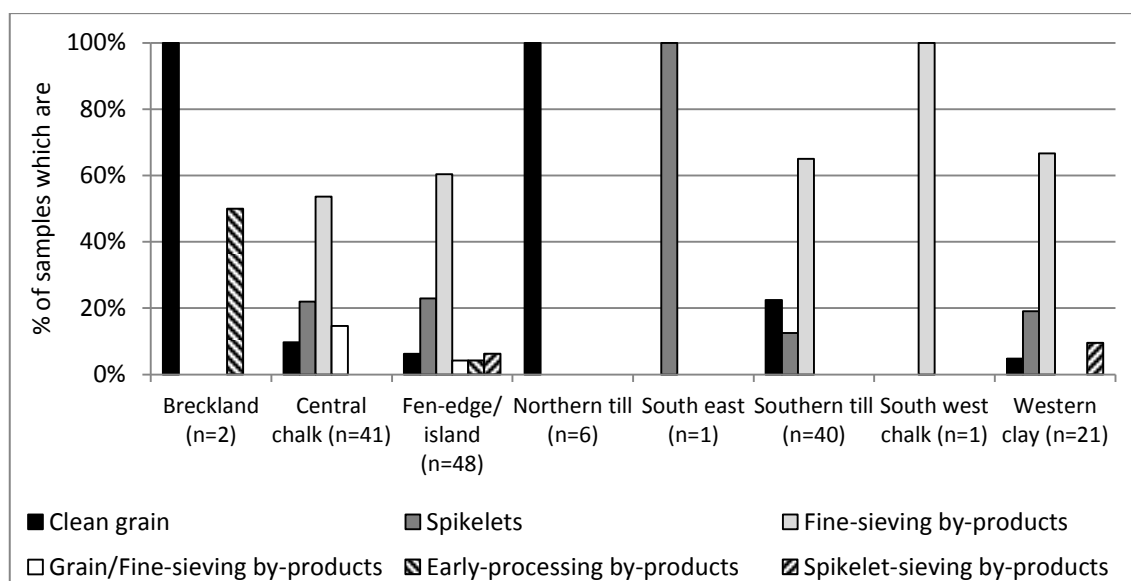


Fig. 4.19. Proportion of LR samples (n=160) from each sub-region accounted for by each crop-processing derivative/combination.

Sub-regions not shown had no samples included in the analysis for this period.

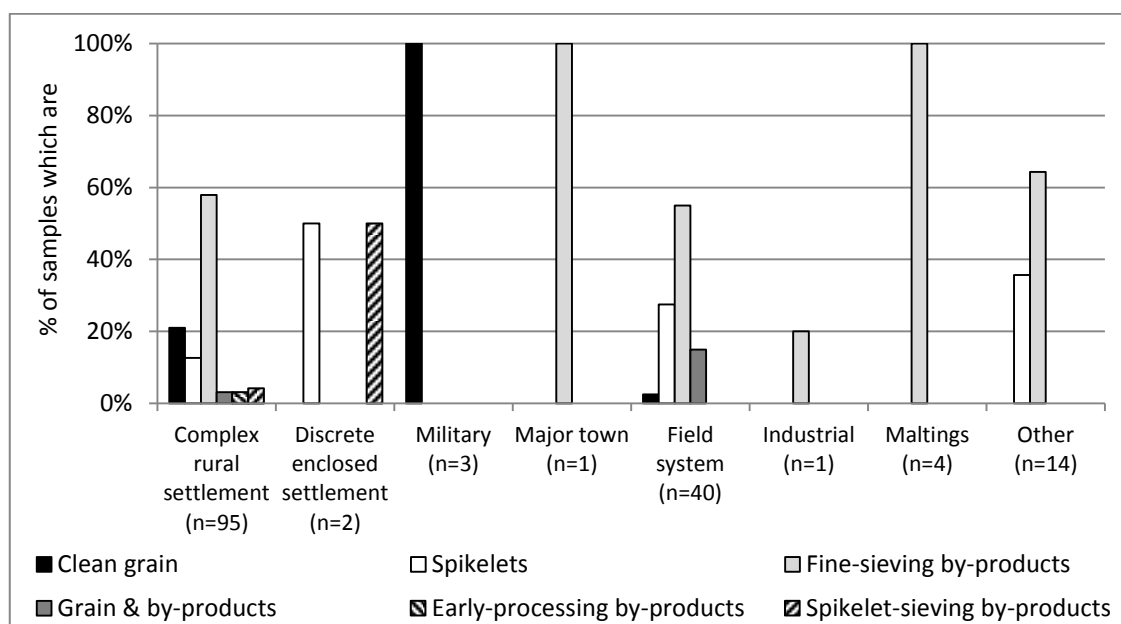


Fig. 4.20. Proportion of LR samples (n=160) from each record-type accounted for by each crop-processing derivative/combination.

Record-types not shown had no samples included in the analysis for this period; the category 'other' includes settlements of unclear nature, burial/ceremonial sites and isolated features.

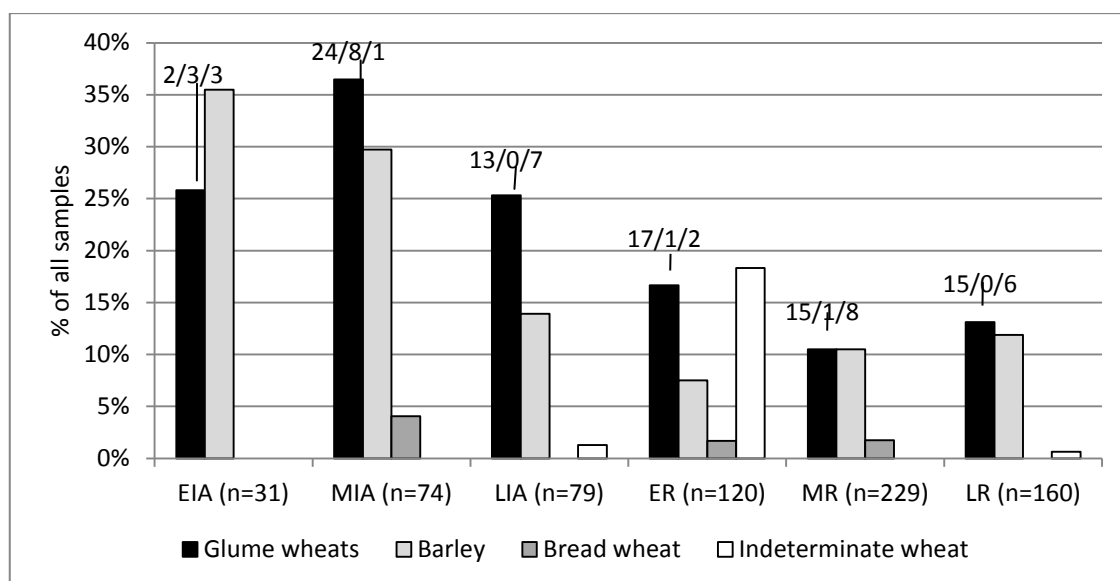


Fig.4.21. Clean grain (including samples mixed with by-products) by species as a proportion of all samples.

Data labels for glume wheat bars show numbers of samples of spelt/emmer/ 'glume wheat'. Samples containing mixtures of two species are included in bars for both.

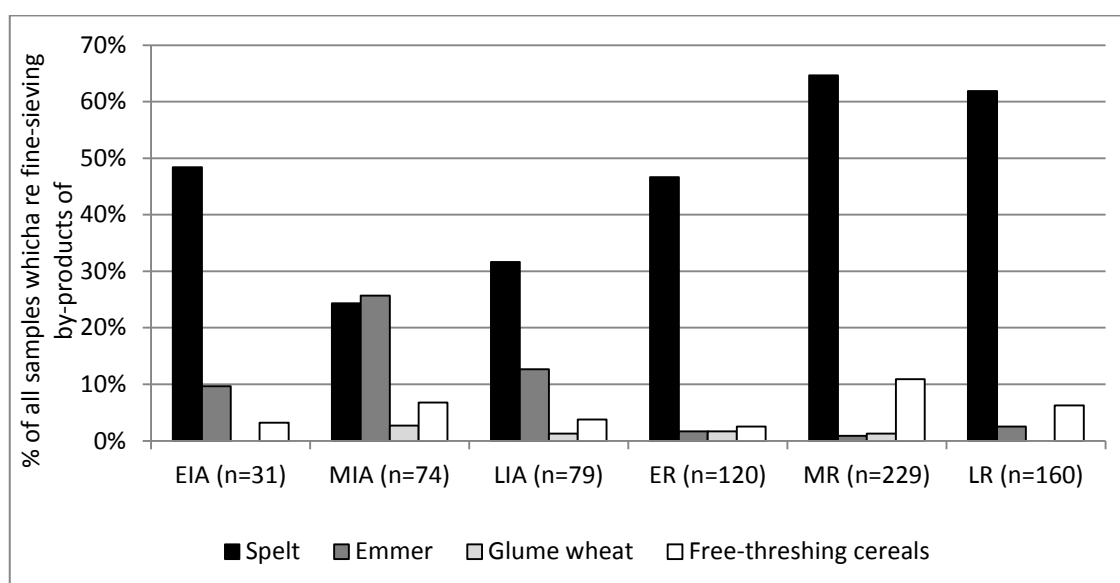


Fig. 4.22. Fine-sieving by-products by species as a proportion of all samples.

Includes samples in which fine-sieving by-products and grain are mixed. Samples containing mixtures of two species are included in bars for both.

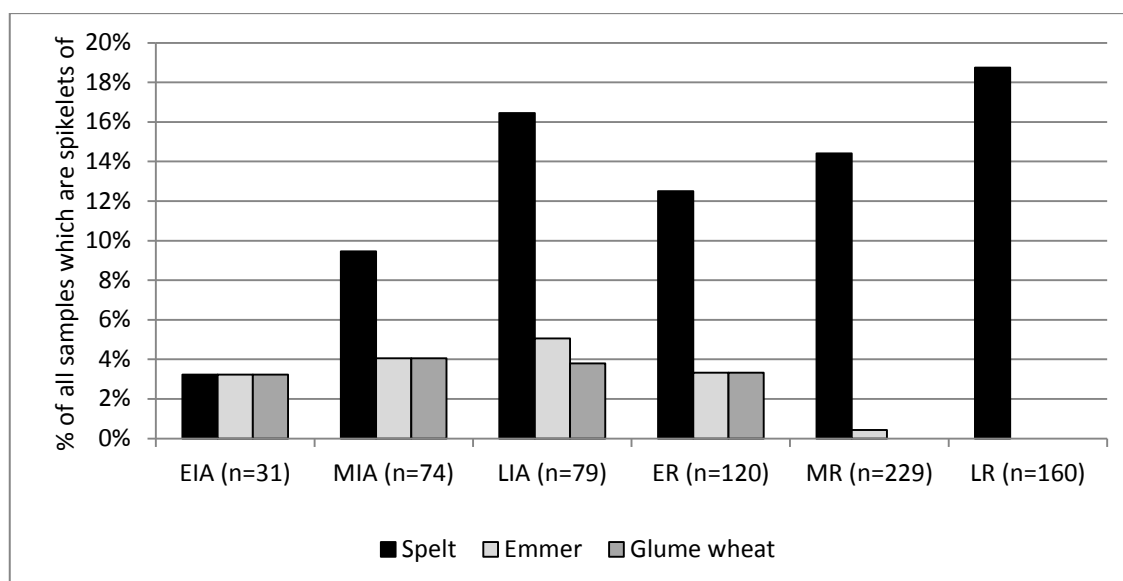


Fig. 4.23. Spikelets by species as a proportion of all samples.
Samples containing mixtures of two species are included in bars for both.

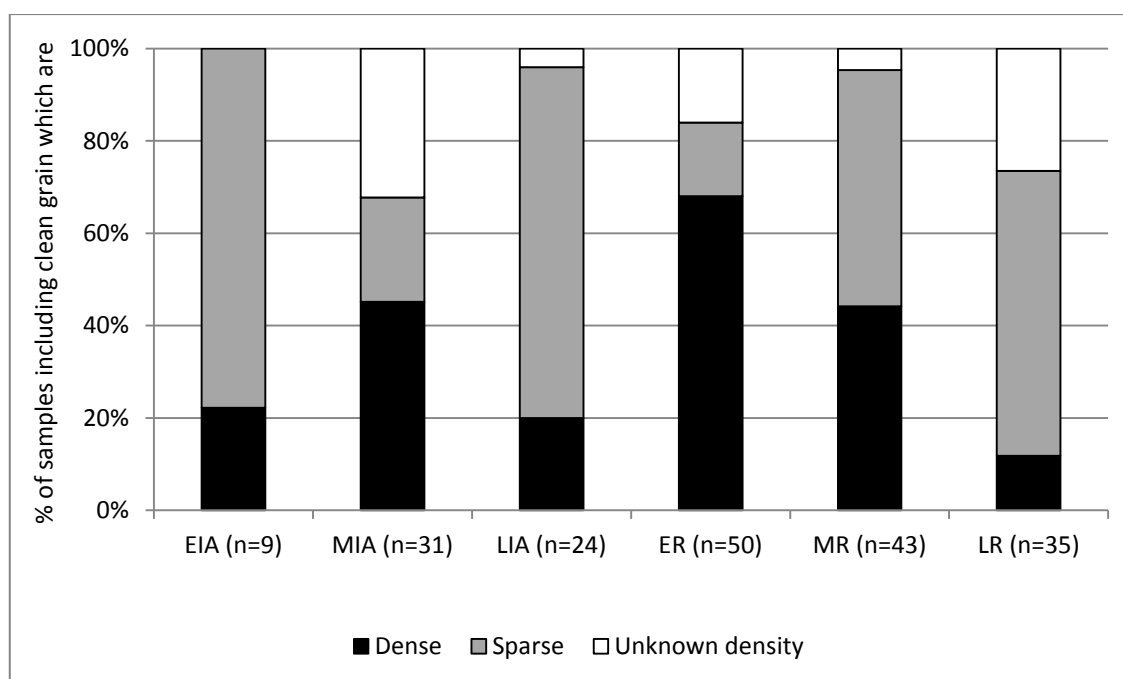


Fig. 4.24. Density of samples which include clean grain.
Includes samples in which clean grain and fine-sieving by-products are mixed.

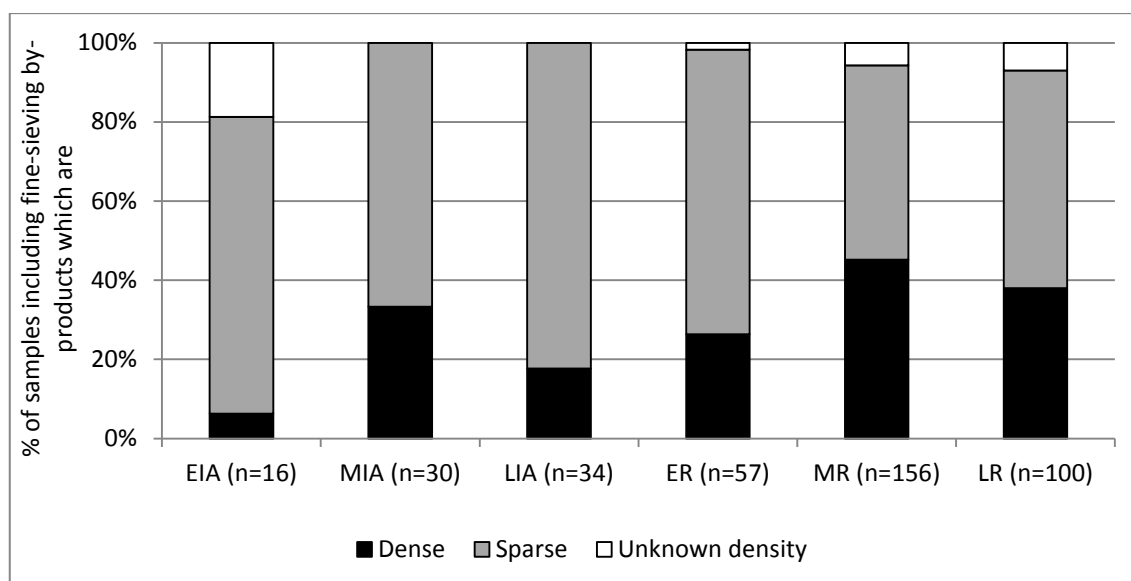


Fig. 4.25. Density of samples which include fine-sieving by-products.
Includes samples in which fine-sieving by-products and clean grain are mixed.

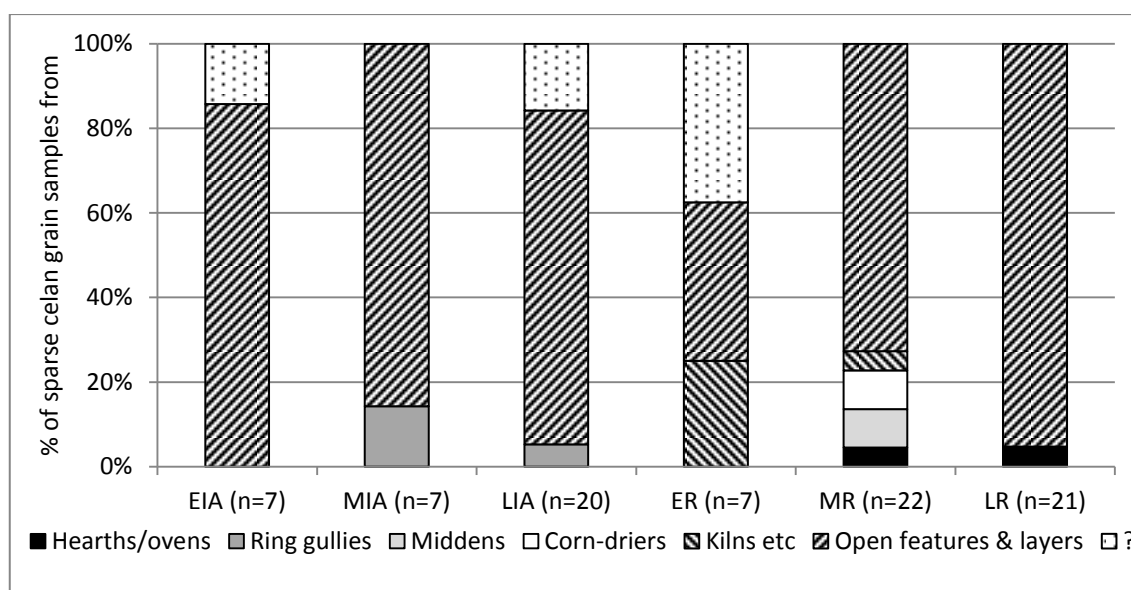


Fig. 4.26 Feature-derivation of sparse clean grain samples.
Includes samples in which clean grain and by-products are mixed.

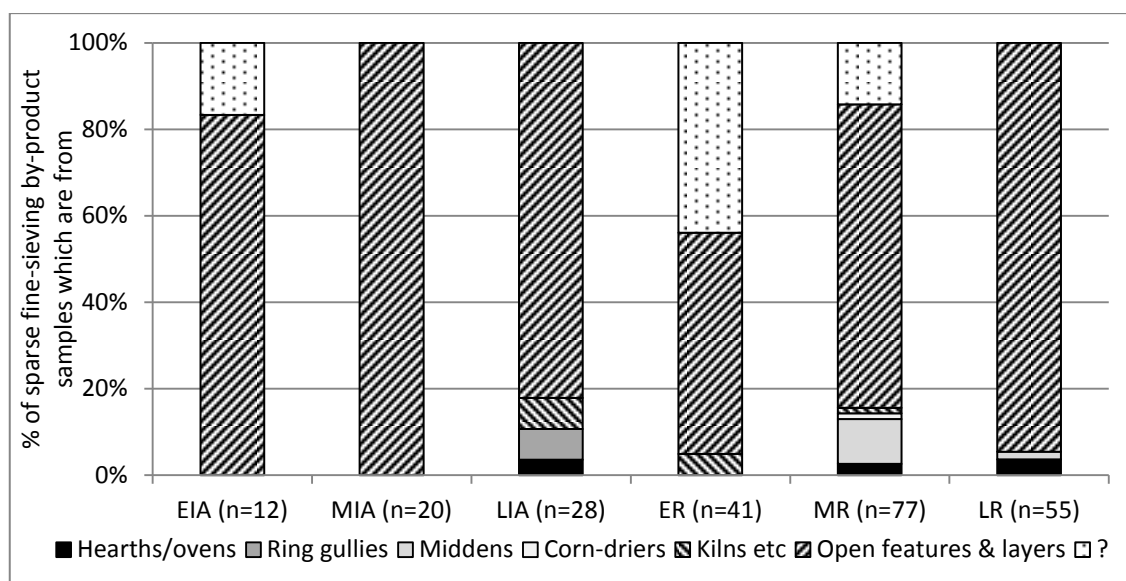


Fig. 4.27. Feature-derivation of sparse fine-sieving by-product samples. Includes samples in which fine-sieving by-products and grain are mixed.

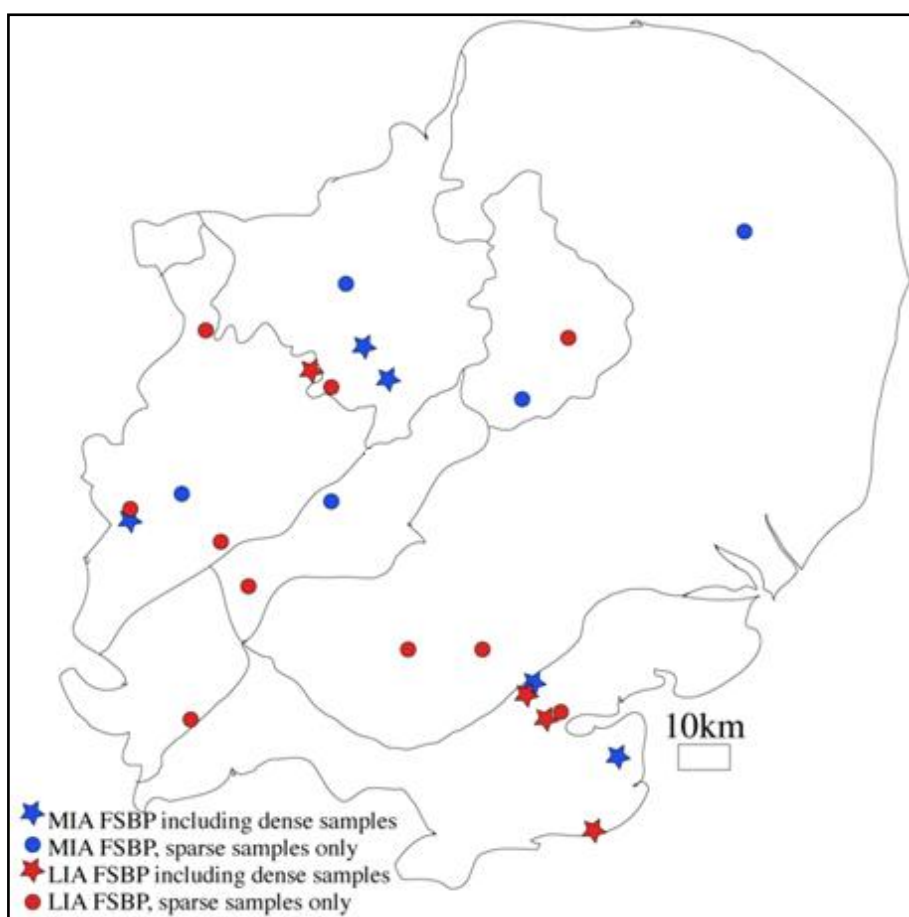


Fig. 4.28. Distribution of MIA and LIA dense fine-sieving by-products.

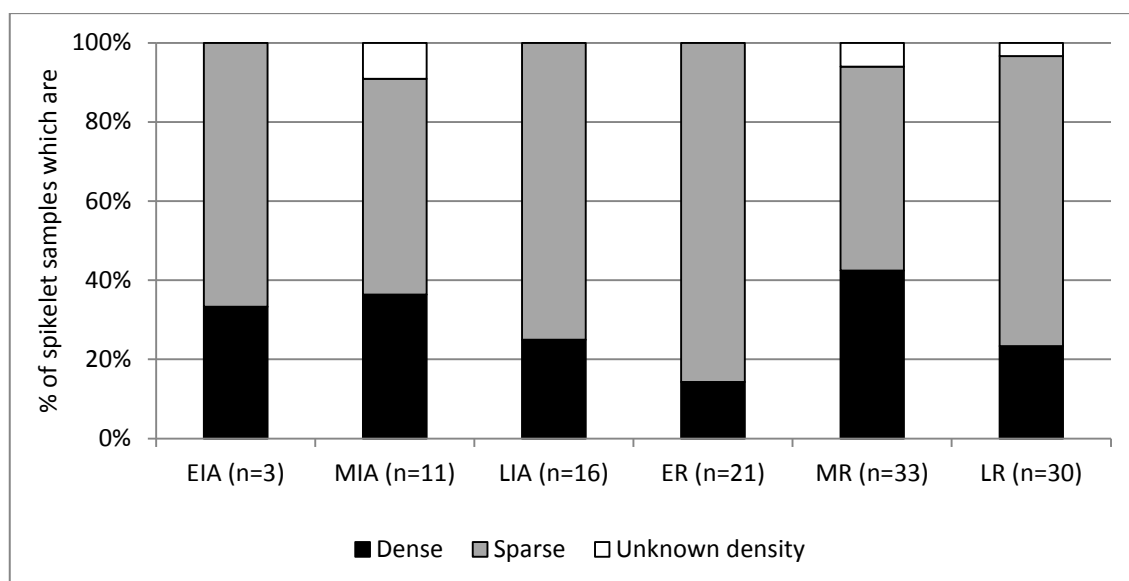


Fig. 4.29. Density of spikelet samples.

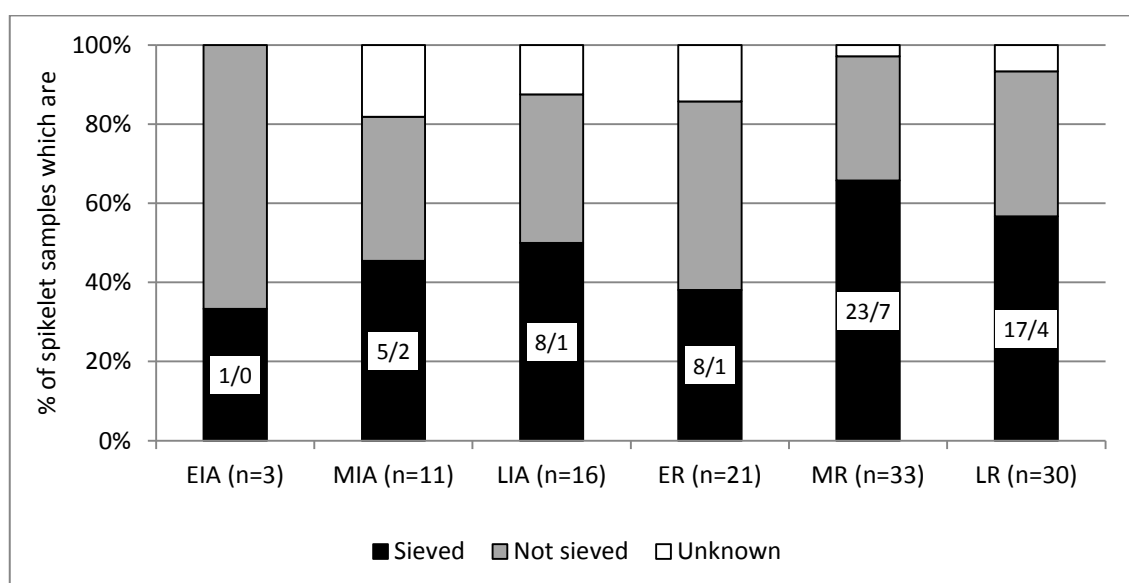


Fig. 4.30. Proportion of spikelet samples which are sieved/not sieved.
Data labels show overall number of sieved samples/number of dense sieved samples.

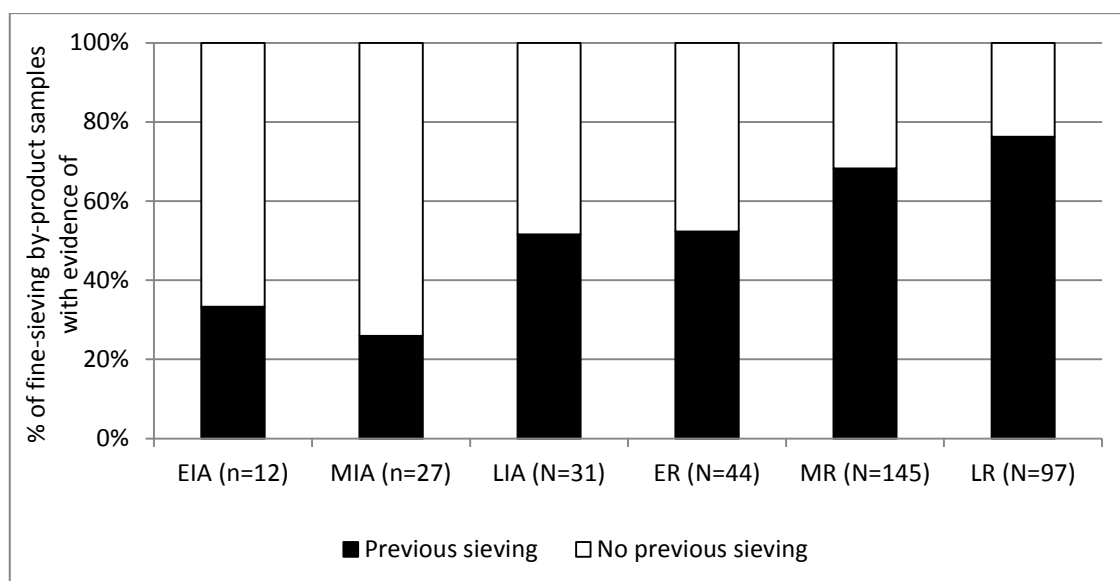


Fig. 4.31. Proportion of fine-sieving by-product samples which have evidence of previous sieving in spikelet form.

Excludes fine-sieving by-products of free-threshing cereals only and fine-sieving by-products mixed with other crop-processing derivatives except clean grain.

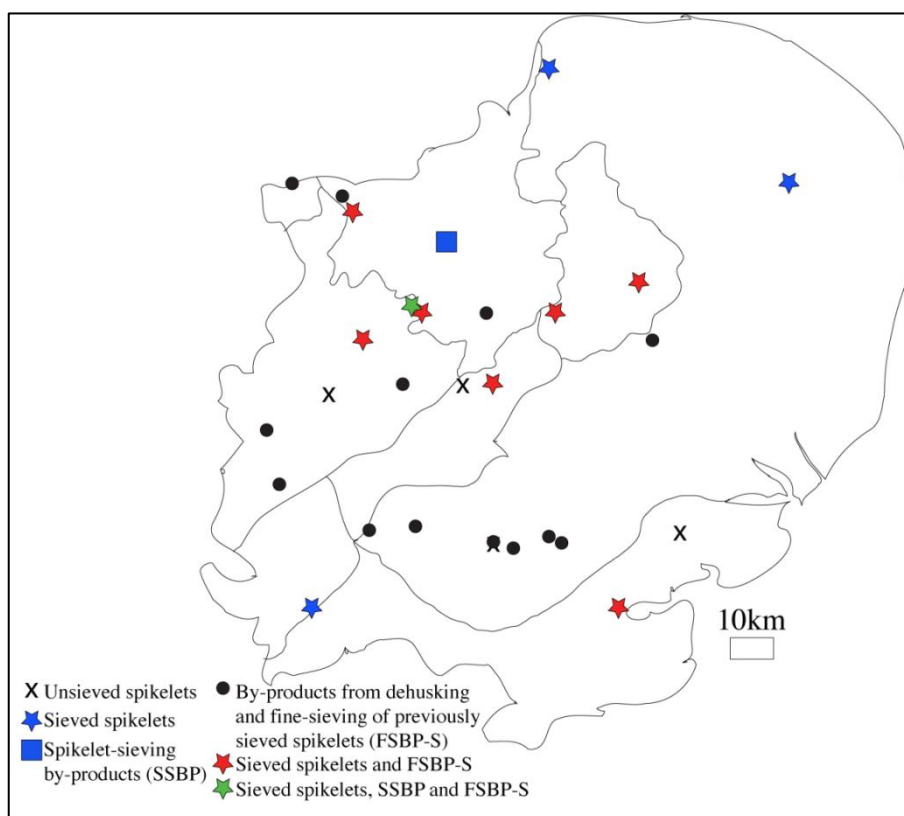


Fig. 4.32. Distribution of MR evidence for spikelet-sieving.

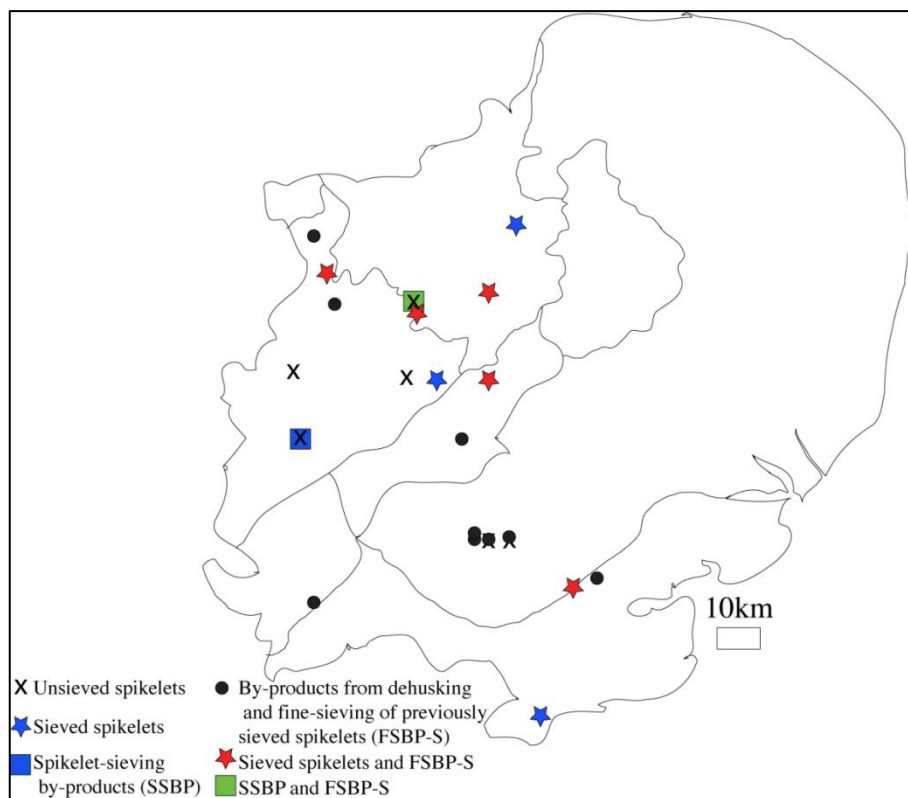


Fig. 4.33. Distribution of LR evidence for spikelet-sieving.

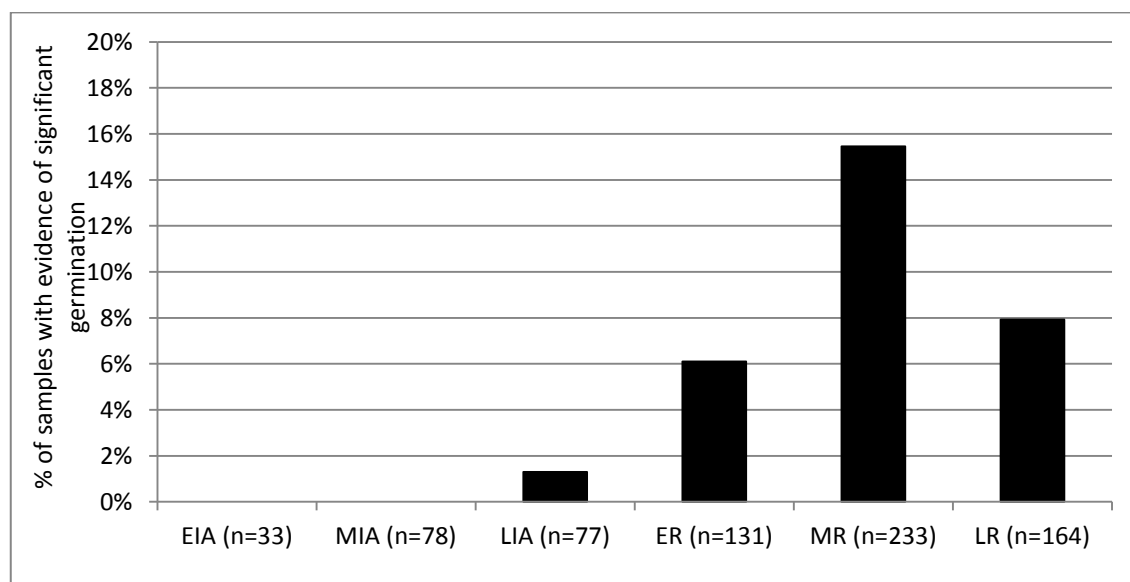


Fig. 4.34 Proportion of samples with evidence of significant germination.

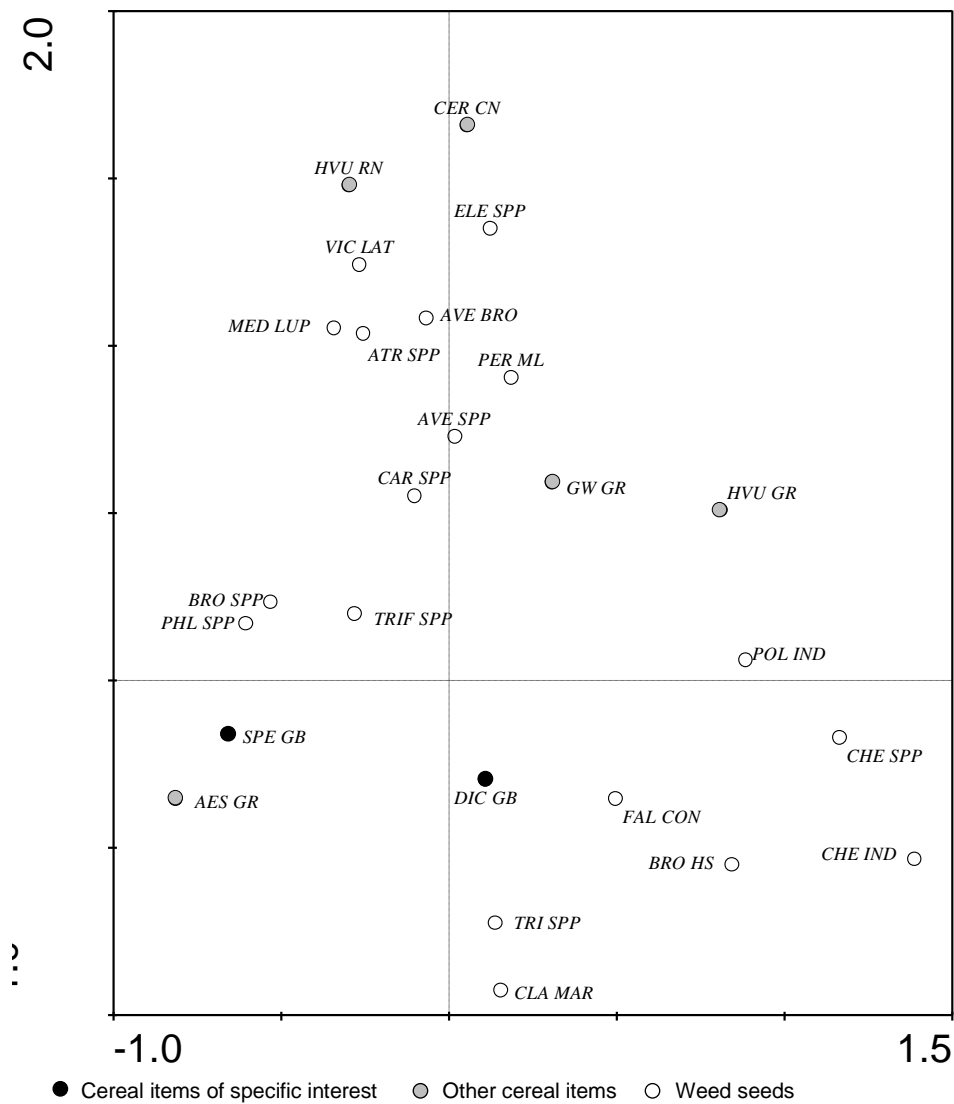


Fig. 5.1. Dataset A: species. MIA spelt and emmer cultivation on the Isle of Ely and in the south-east.

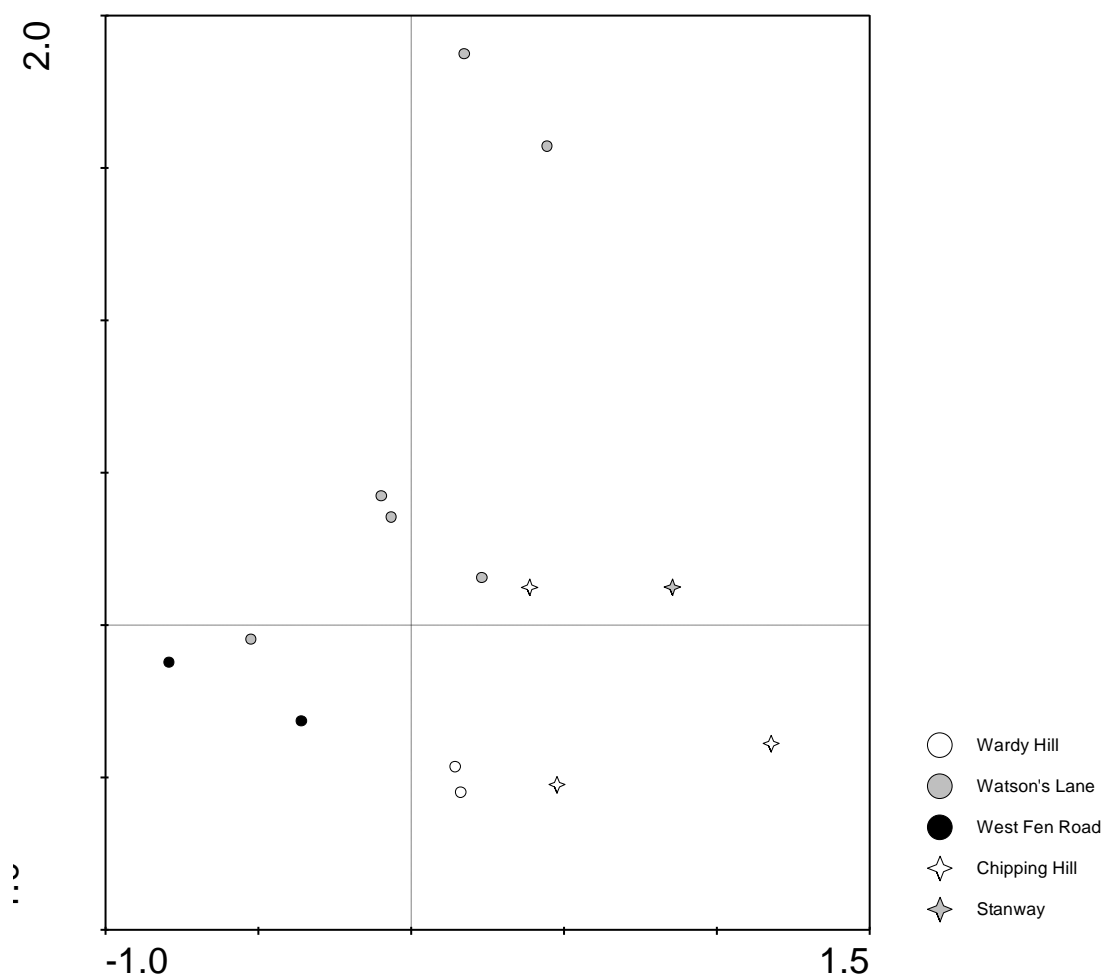


Fig. 5.2. Dataset A: samples, coded by record. MIA spelt and emmer cultivation on the Isle of Ely and in the south-east.

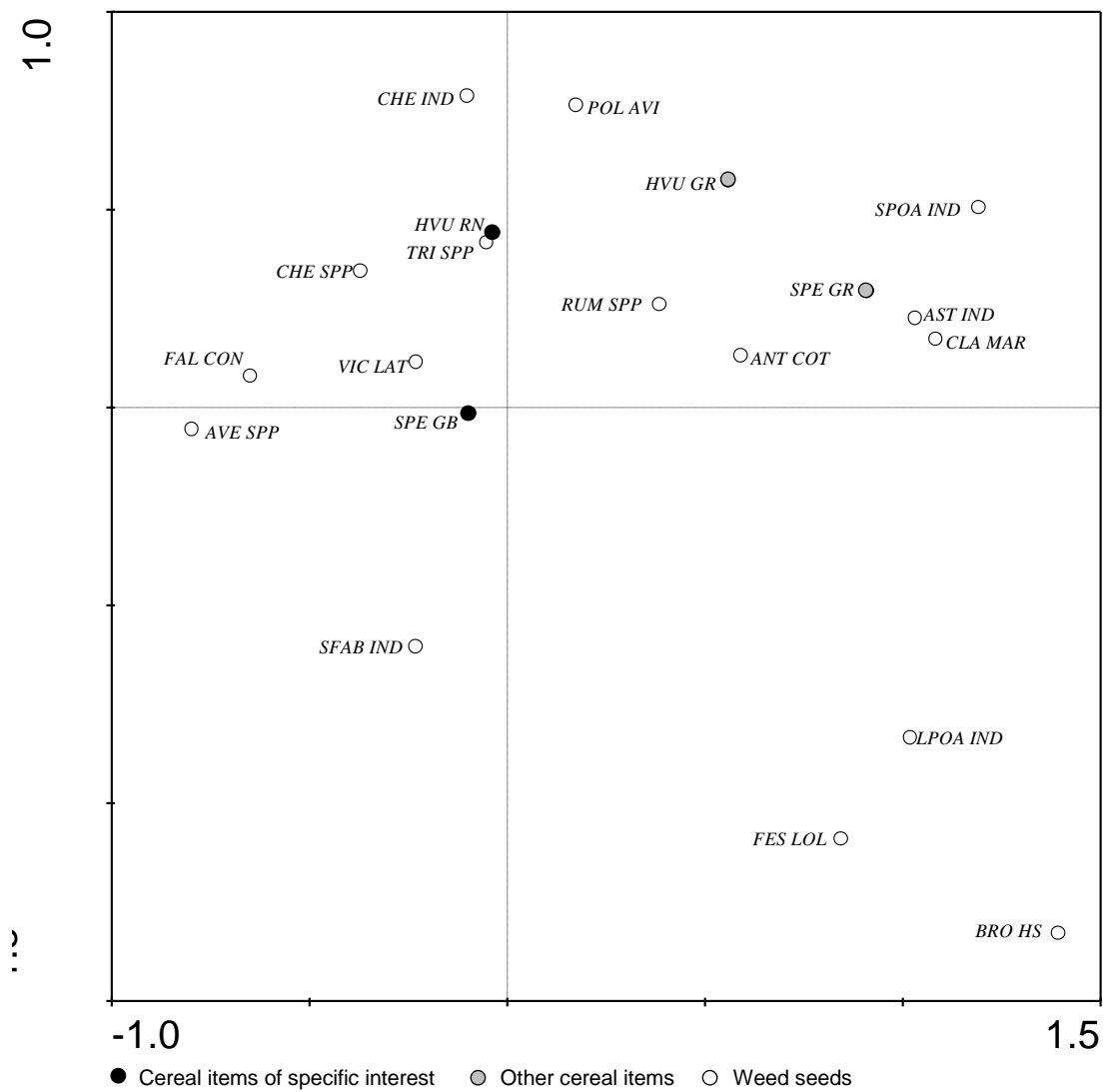


Fig. 5.3. Dataset C: species. MR spelt and barley cultivation.

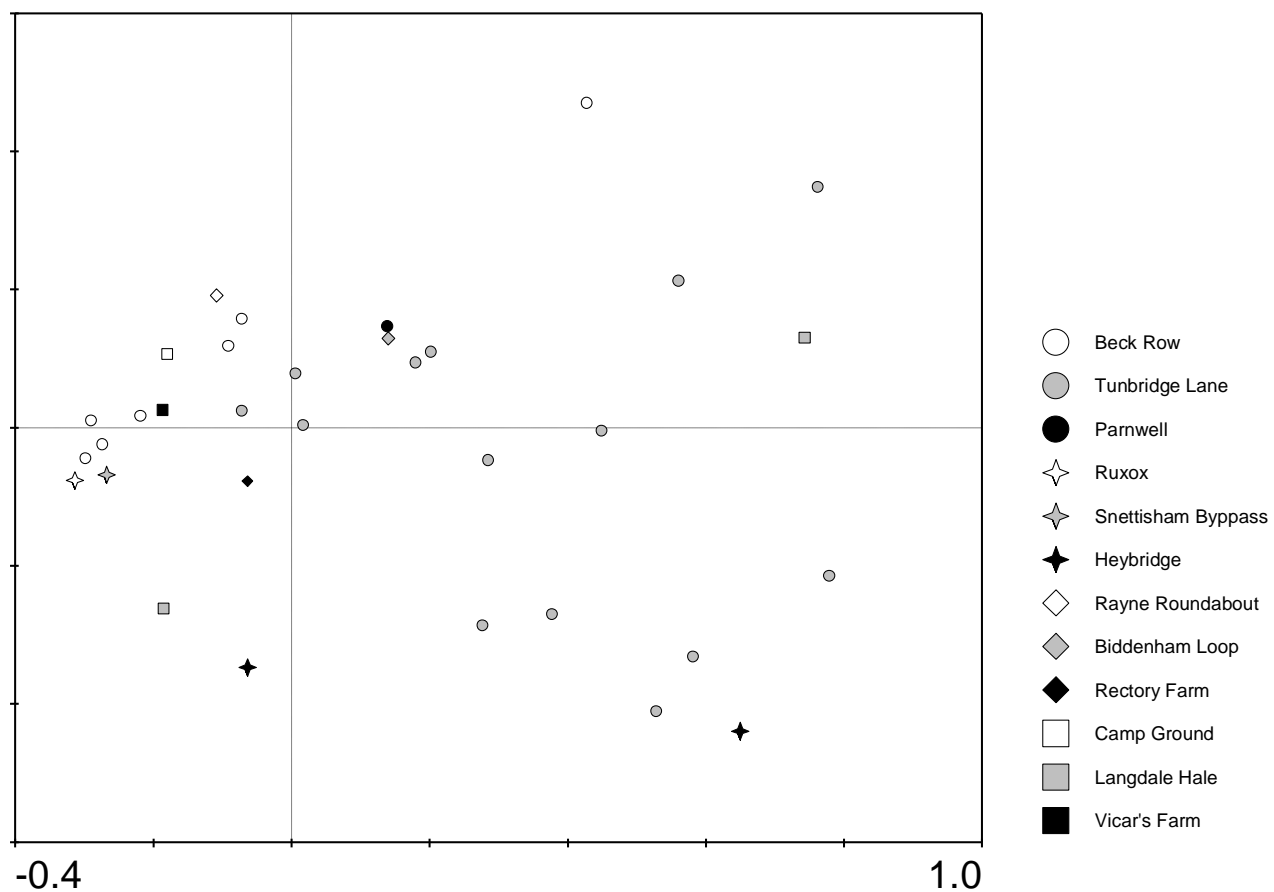


Fig. 5.4. Dataset C: samples, coded by record. MR spelt and barley cultivation.

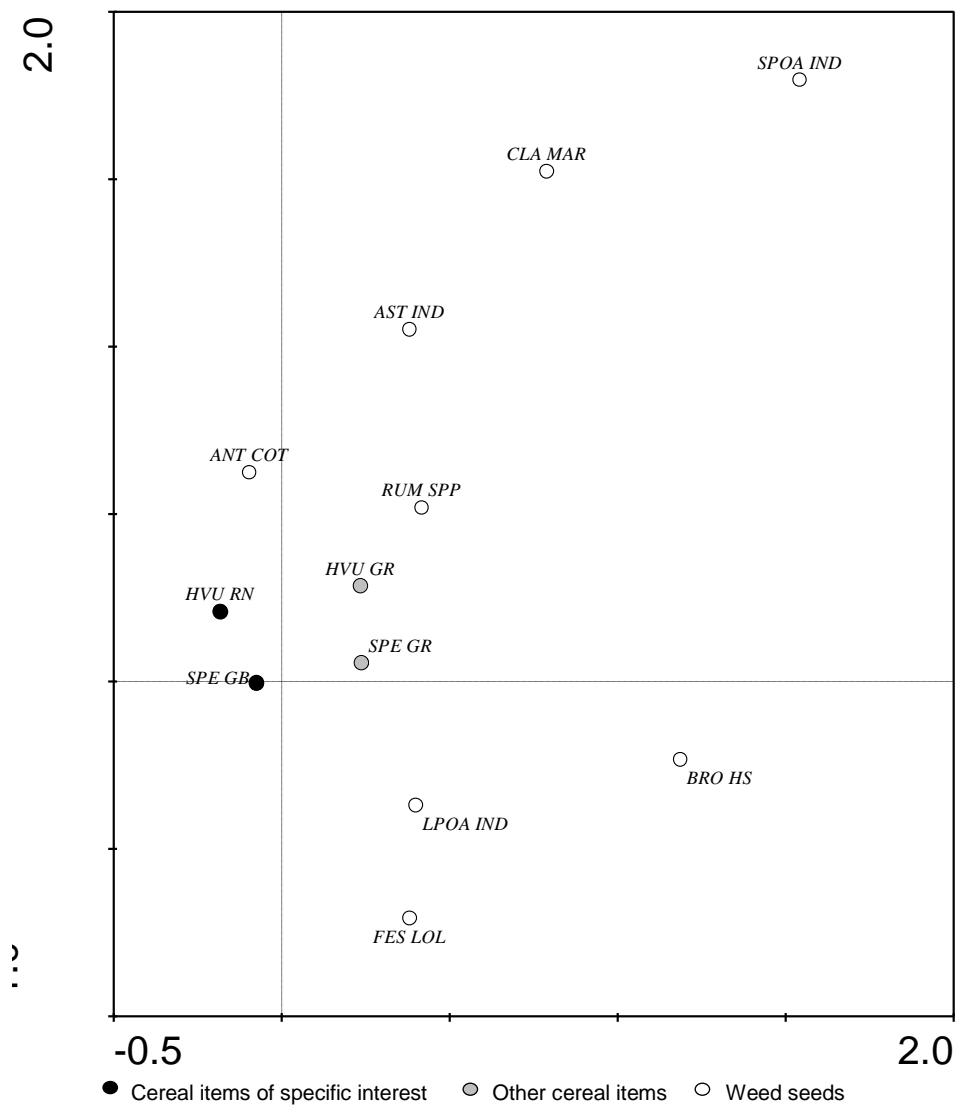


Fig. 5.5. Dataset D: species. Spelt and barley cultivation at MR Tunbridge Lane, Bottisham.

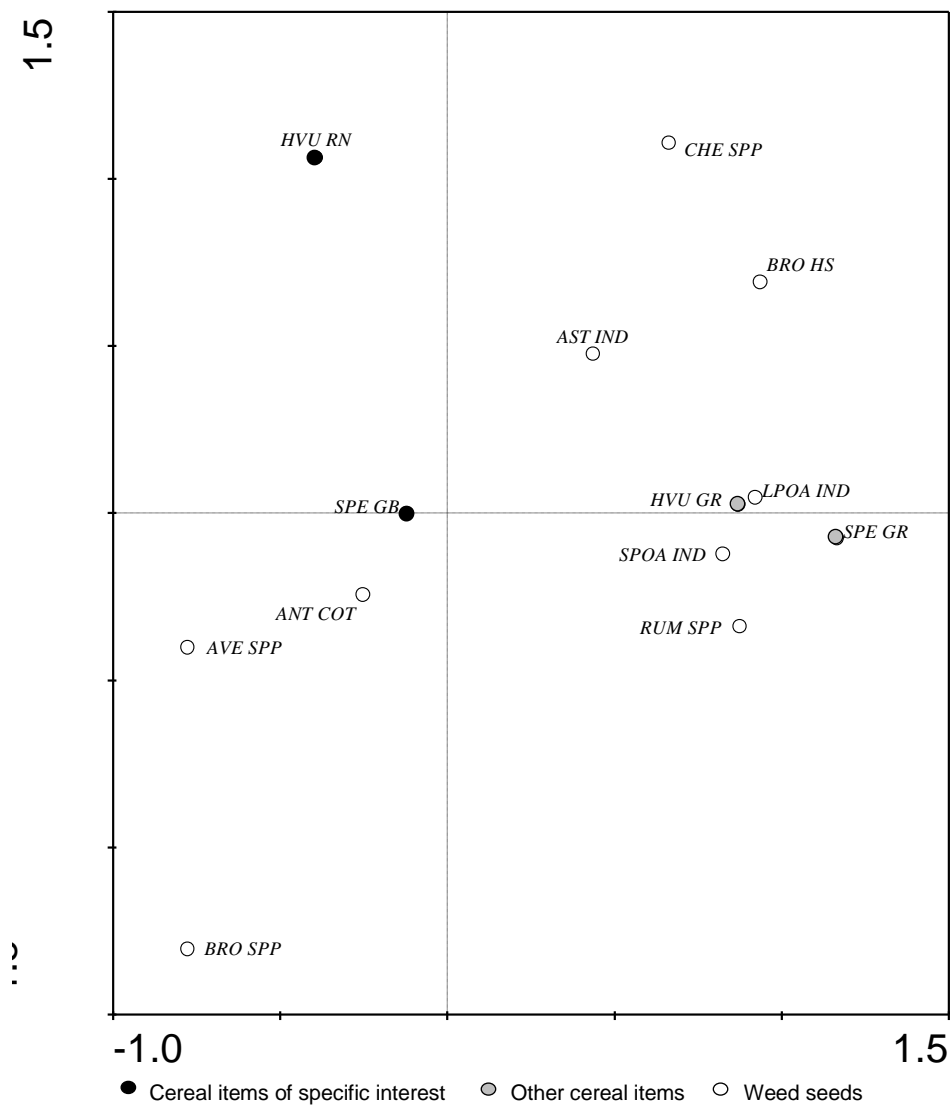


Fig. 5.6. Dataset E: species. LR spelt and barley cultivation.

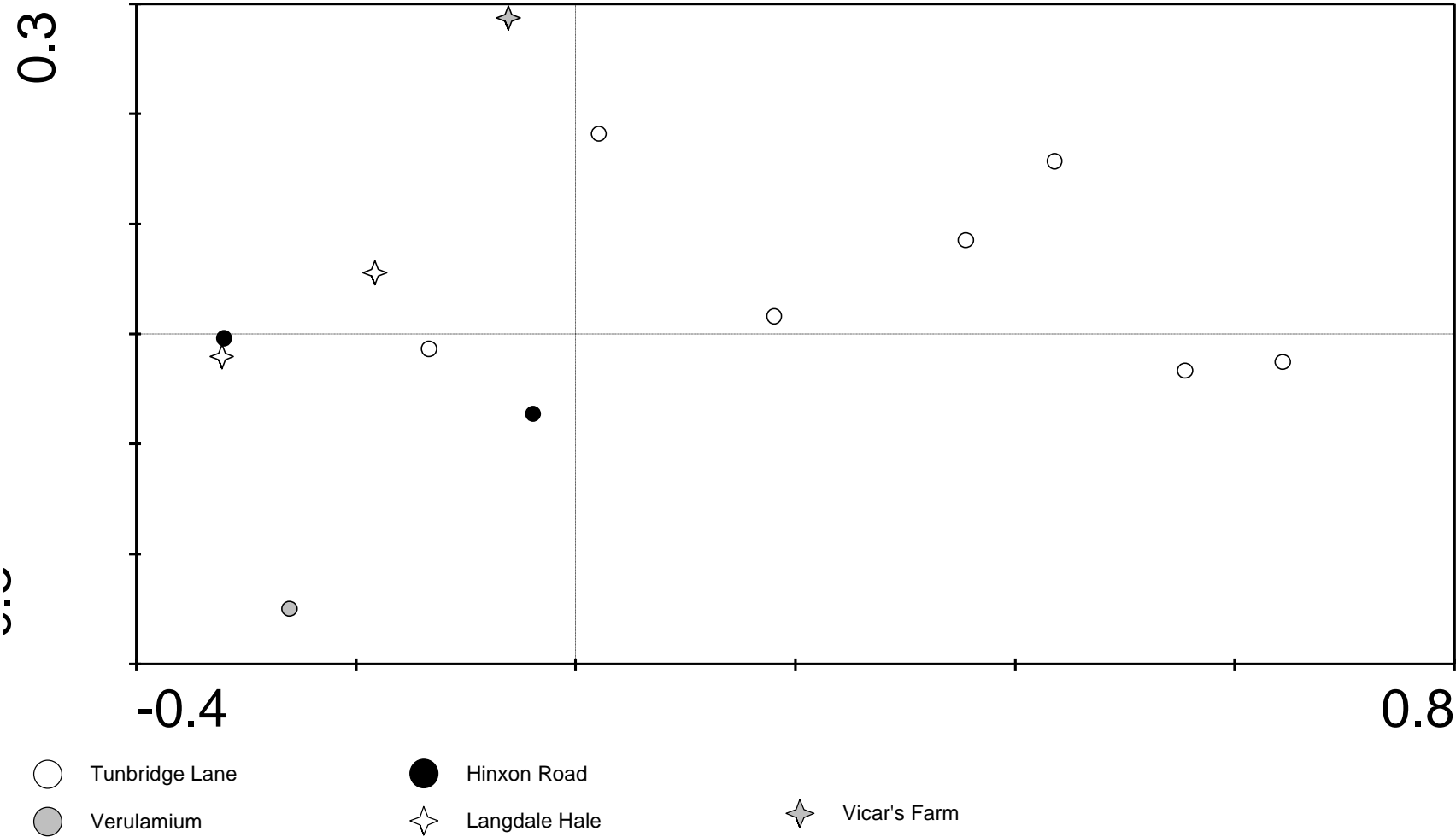


Fig. 5.7. Dataset E: samples, coded by record. LR spelt and barley cultivation.

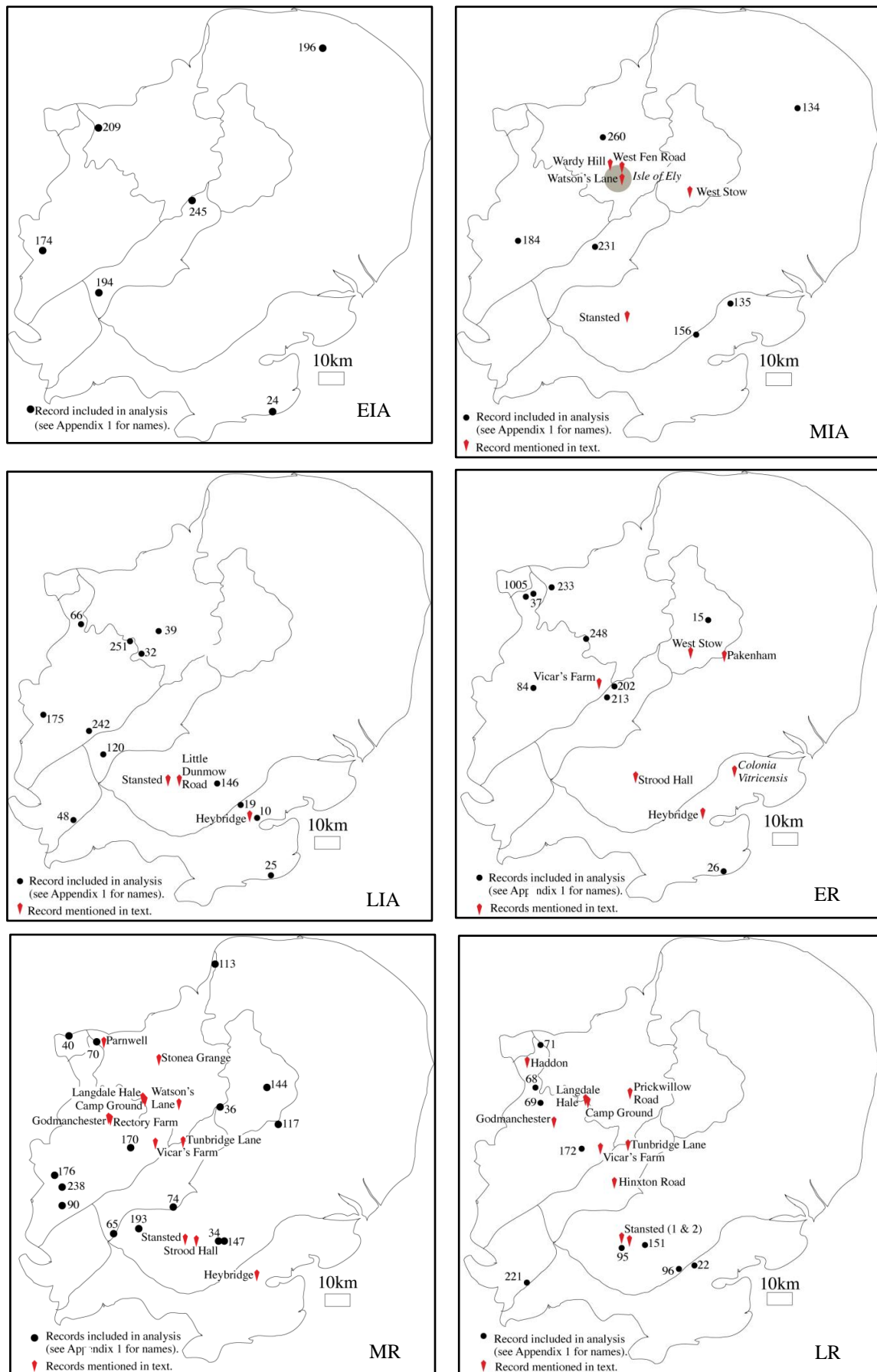


Fig. 6.1. Records with samples included in this analysis.

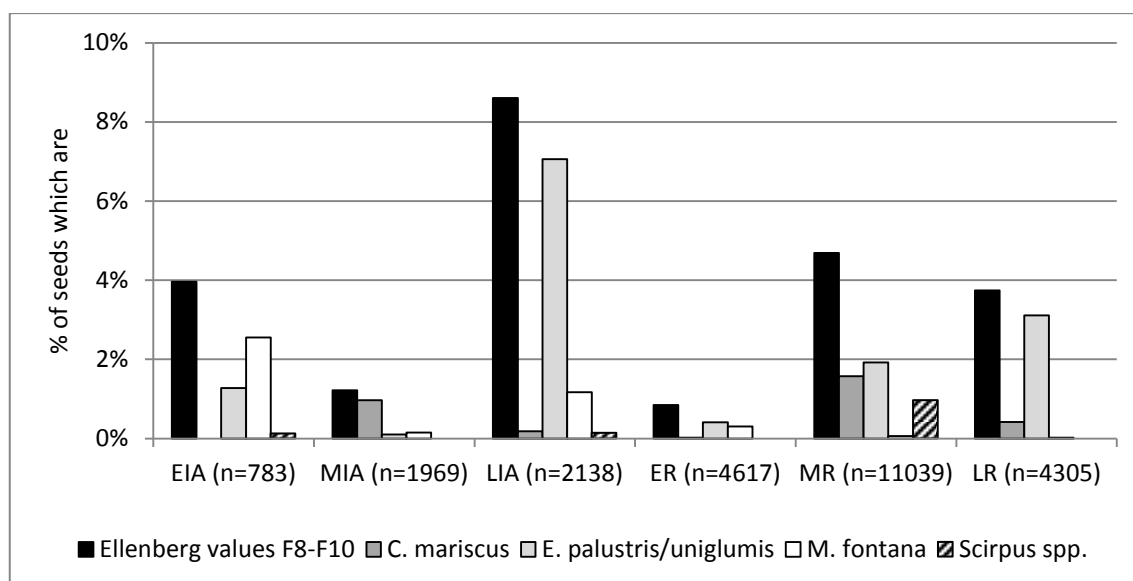


Fig. 6.2. Chronological distribution of weeds indicating cultivation of wet soils in fine-sieving by-product samples.

Individual species (grey, white and patterned bars) are also included in the Ellenberg F8-F10 group (black bars).

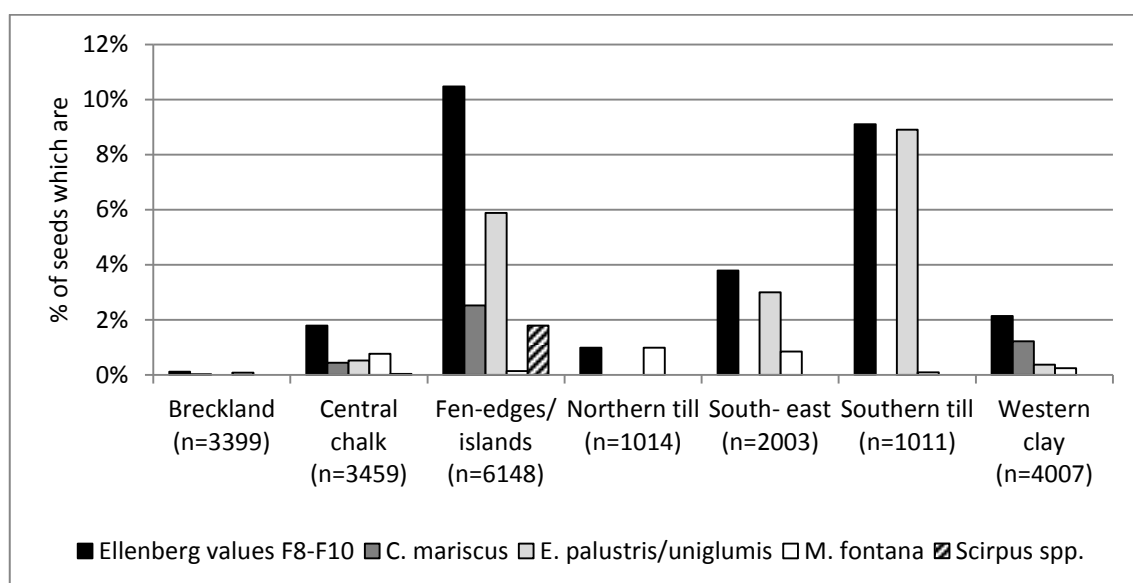


Fig. 6.3. Spatial distribution of weeds indicating cultivation of wet soils in fine-sieving by-product samples.

Individual species (grey, white and patterned bars) are also included in the Ellenberg F8-F10 group (black bars). No weeds indicating cultivation of wet soils occurred in the two fine-sieving by-product samples from the north-west. One of the two fine-sieving by-product samples from the south-west chalk contained a single seed of *C. mariscus*; the other contained a single seed of *E. palustris/uniglumis*.

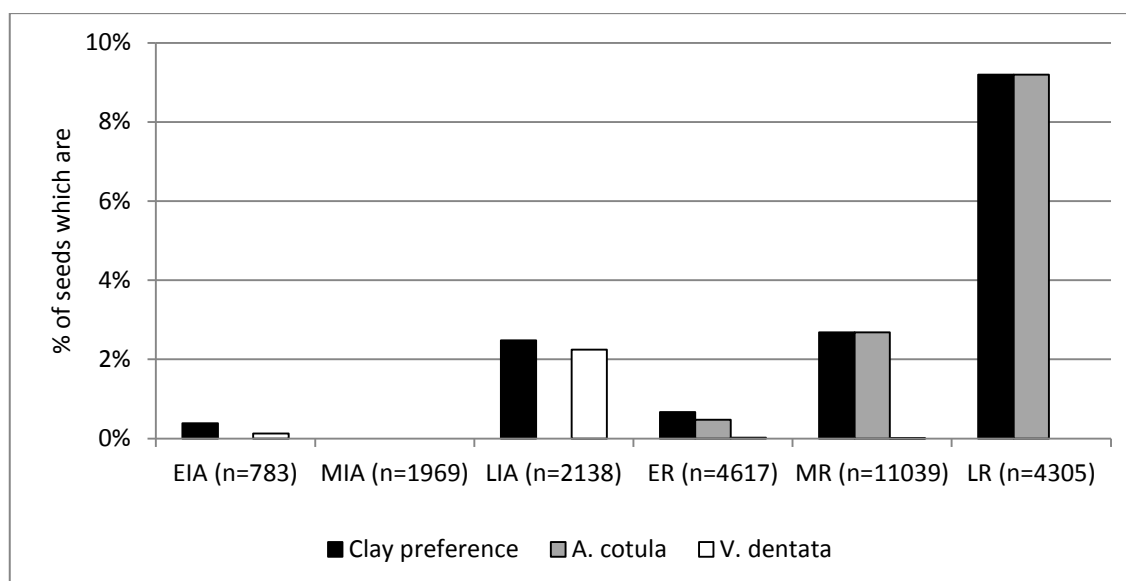


Fig. 6.4. Chronological distribution of weeds with a preference for heavy clay soils in fine-sieving by-product samples.

Individual species (grey and white bars) are also included in the clay preference group (black bars).

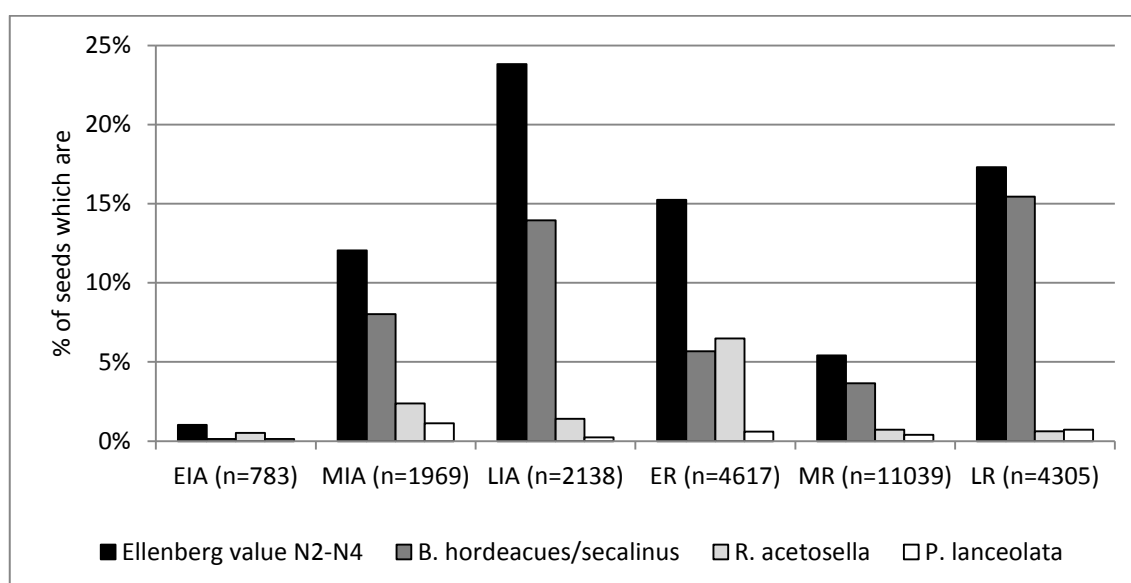


Fig. 6.5. Chronological distribution of weeds of nitrogen-poor soils in fine-sieving by-product samples.

Excludes species which also have Ellenberg values F8-F10.

Individual species (grey and white bars) are also included in the Ellenberg N2-N4 group (black bars).

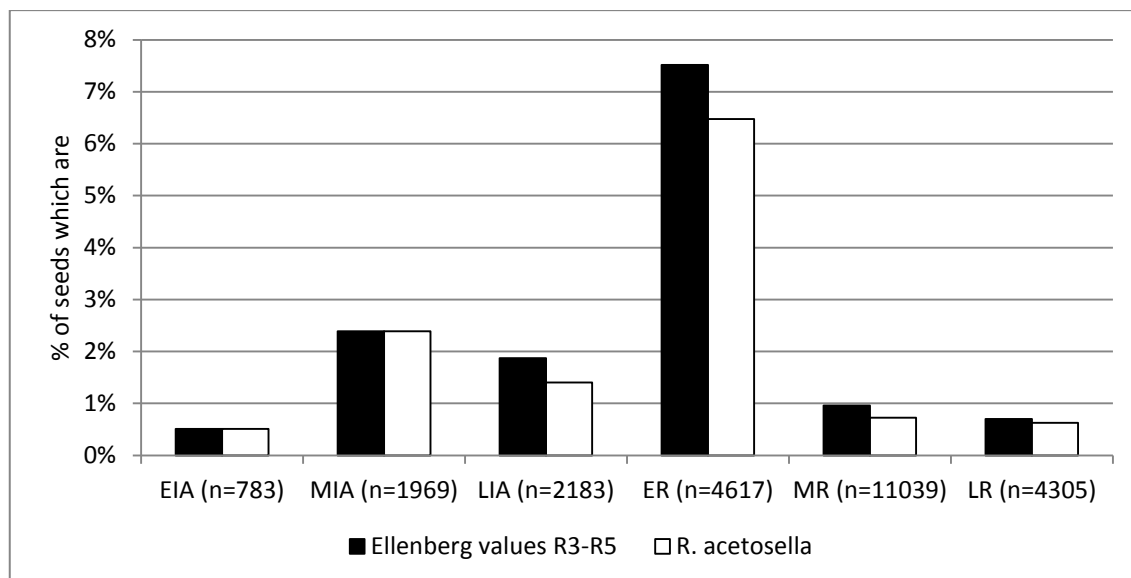


Fig. 6.6. Chronological distribution of weeds of acidic soils in fine-sieving by-product samples. *R. acetosella* (white bars) also included in the Ellenberg R3-R5 group (black bars).

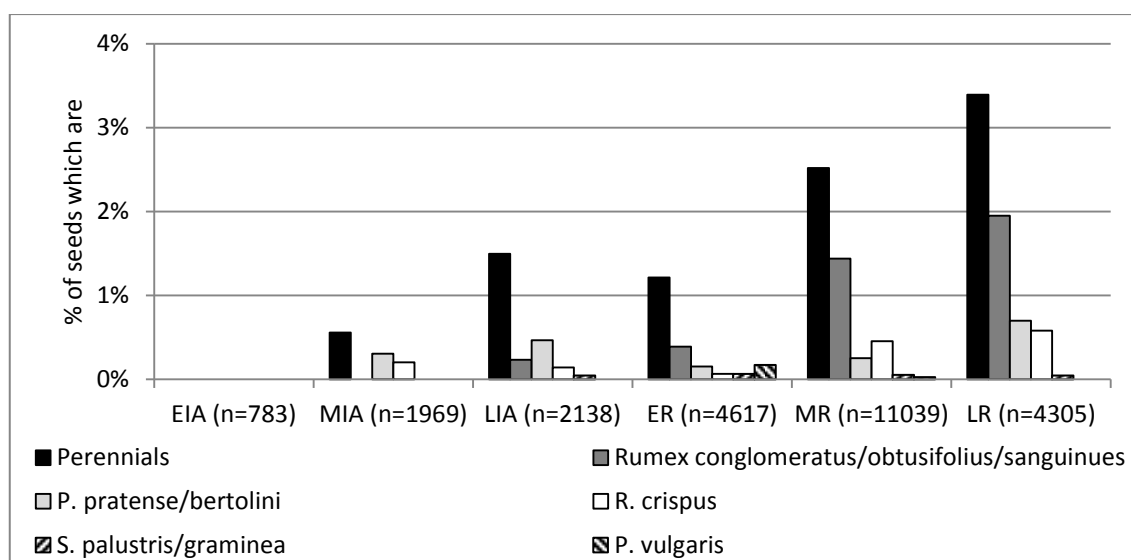


Fig. 6.7 Chronological distribution of perennial weed taxa in fine-sieving by-product samples. Individual species (grey, white and patterned bars) are also included in the combined perennial group (black bars).

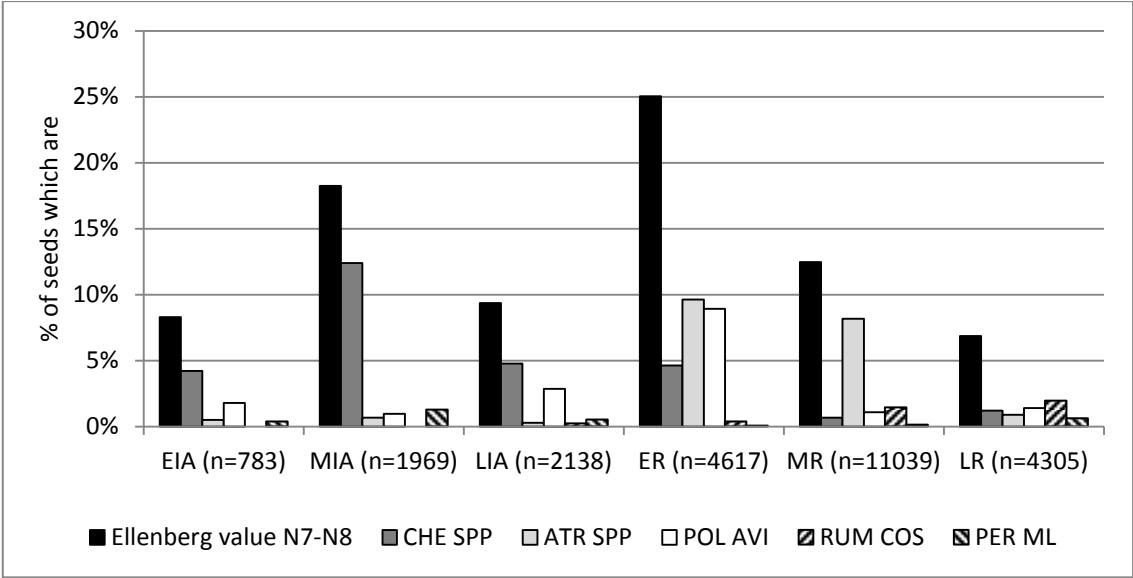


Fig. 6.8. Chronological distribution of weed taxa with Ellenberg values N7-N9 in fine-sieving by-product samples.
Individual species (grey, white and patterned bars) are also included in the Ellenberg N7-N9 group (black bars).

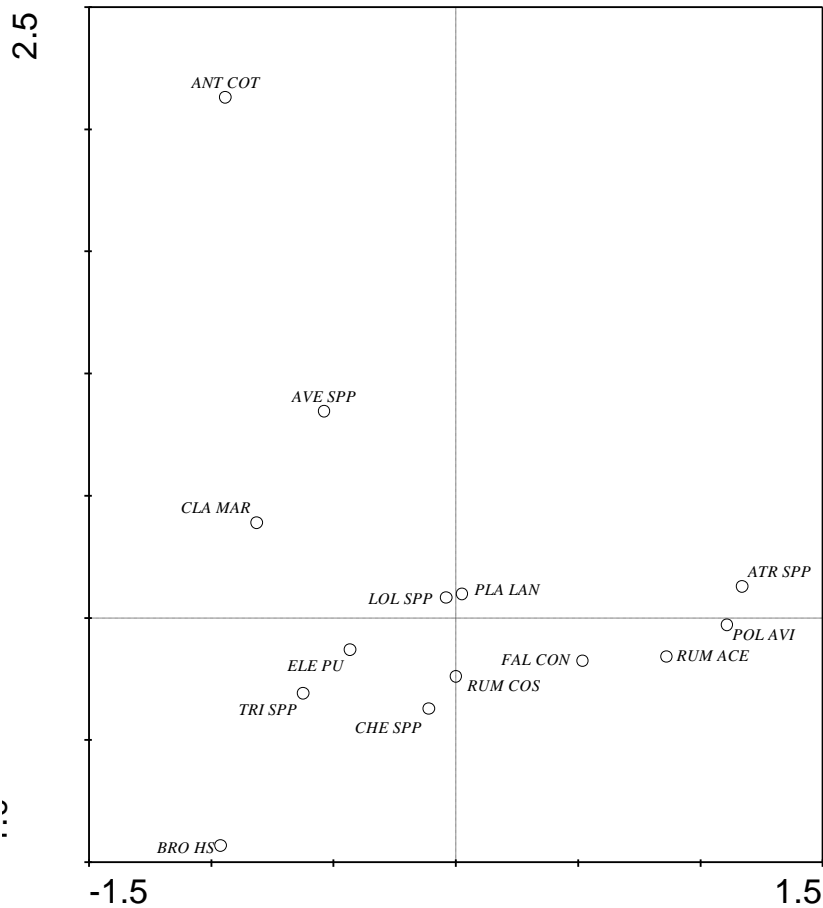


Fig. 6.9. Dataset F: species.

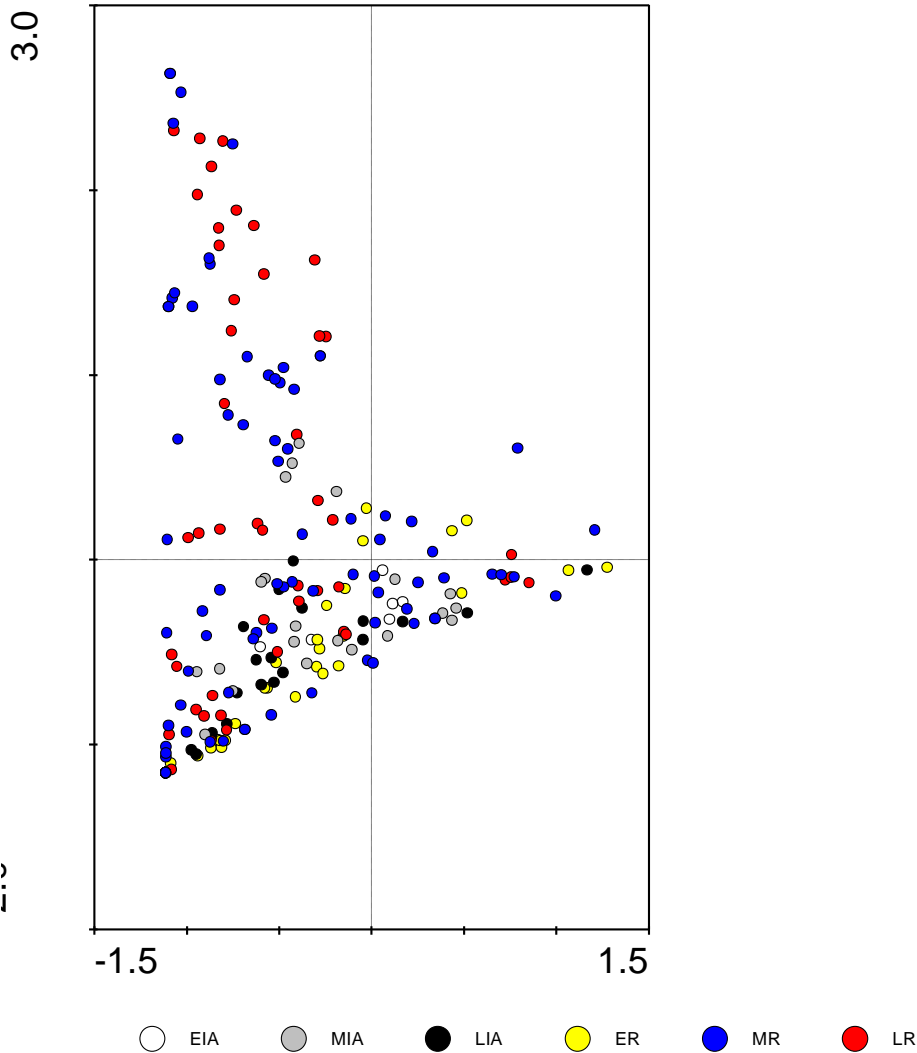


Fig. 6.10. Dataset F: samples, coded by period.

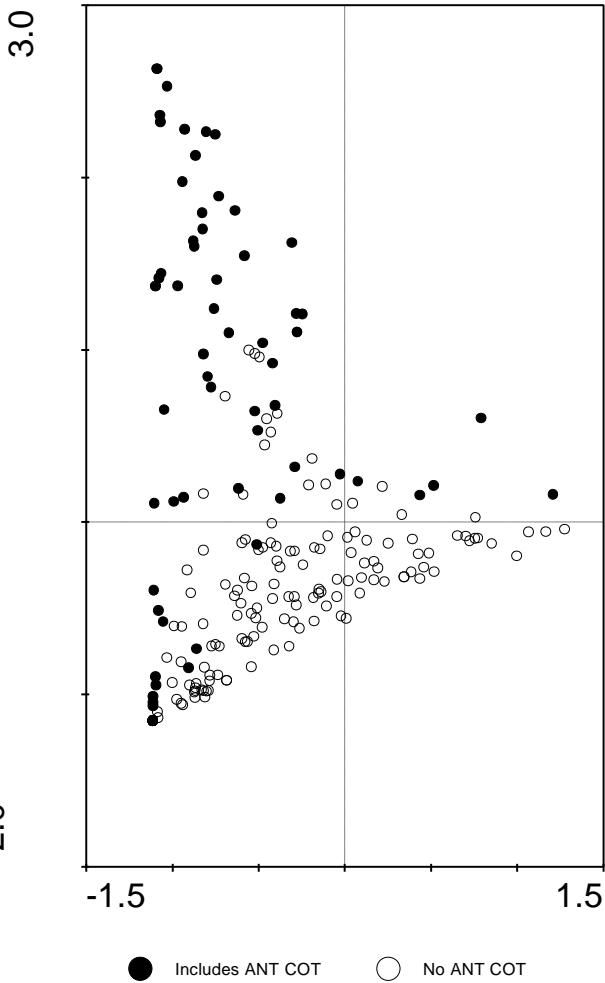


Fig. 6.11. Dataset F: samples, coded by presence/absence of *Anthemis cotula*.

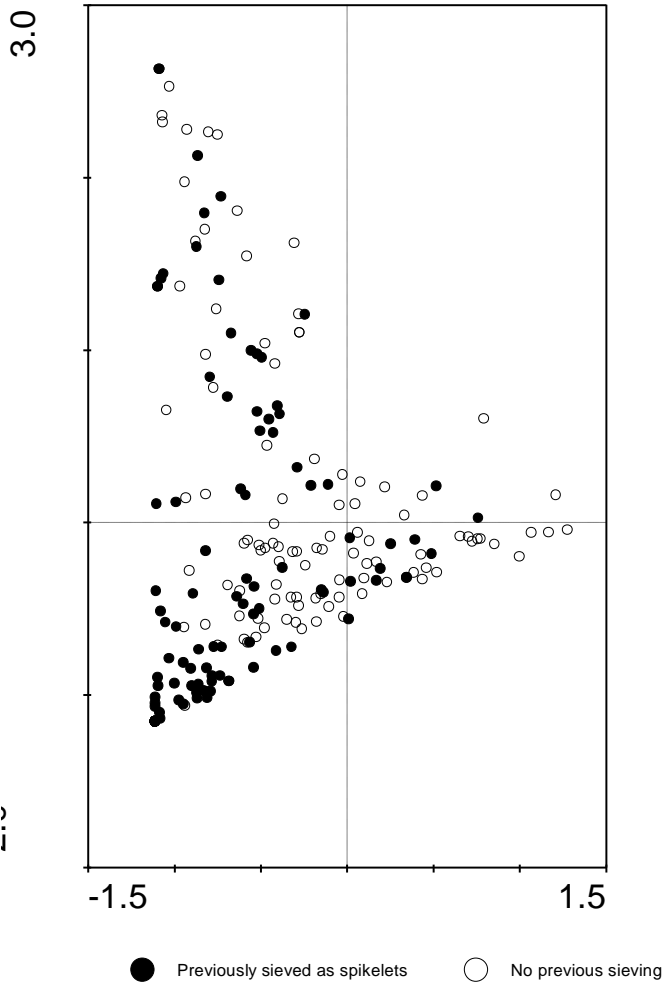


Fig. 6.12. Dataset F: samples, coded by derivation from processing of sieved and unsieved spikelets.

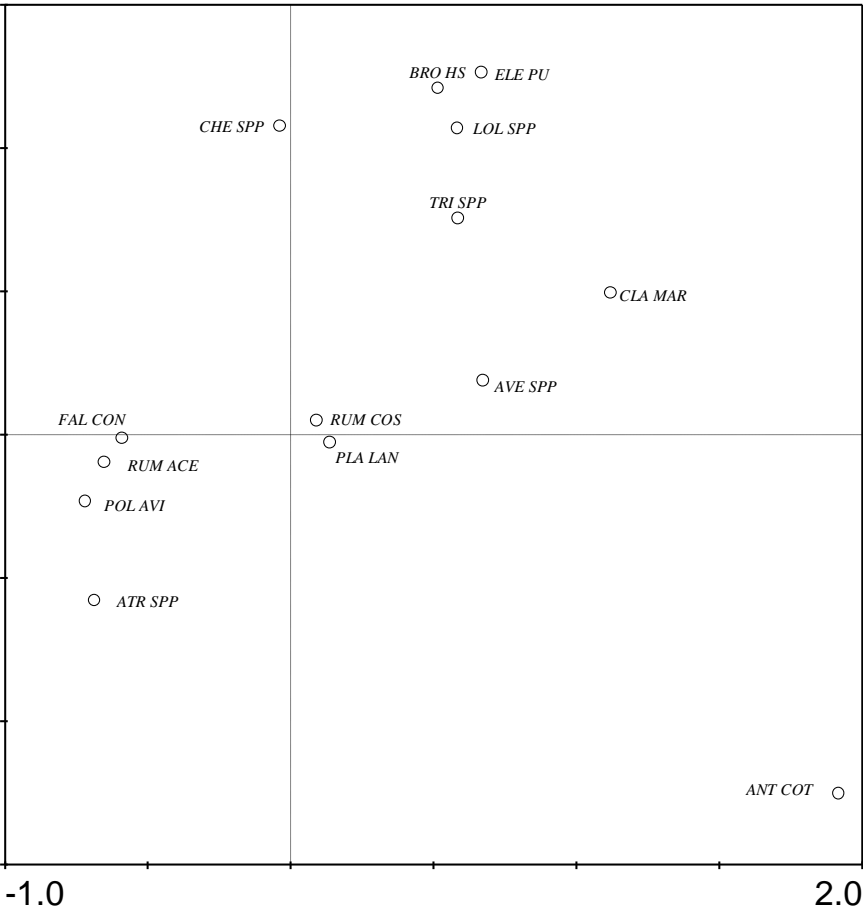


Fig. 6.13. Dataset G: species.

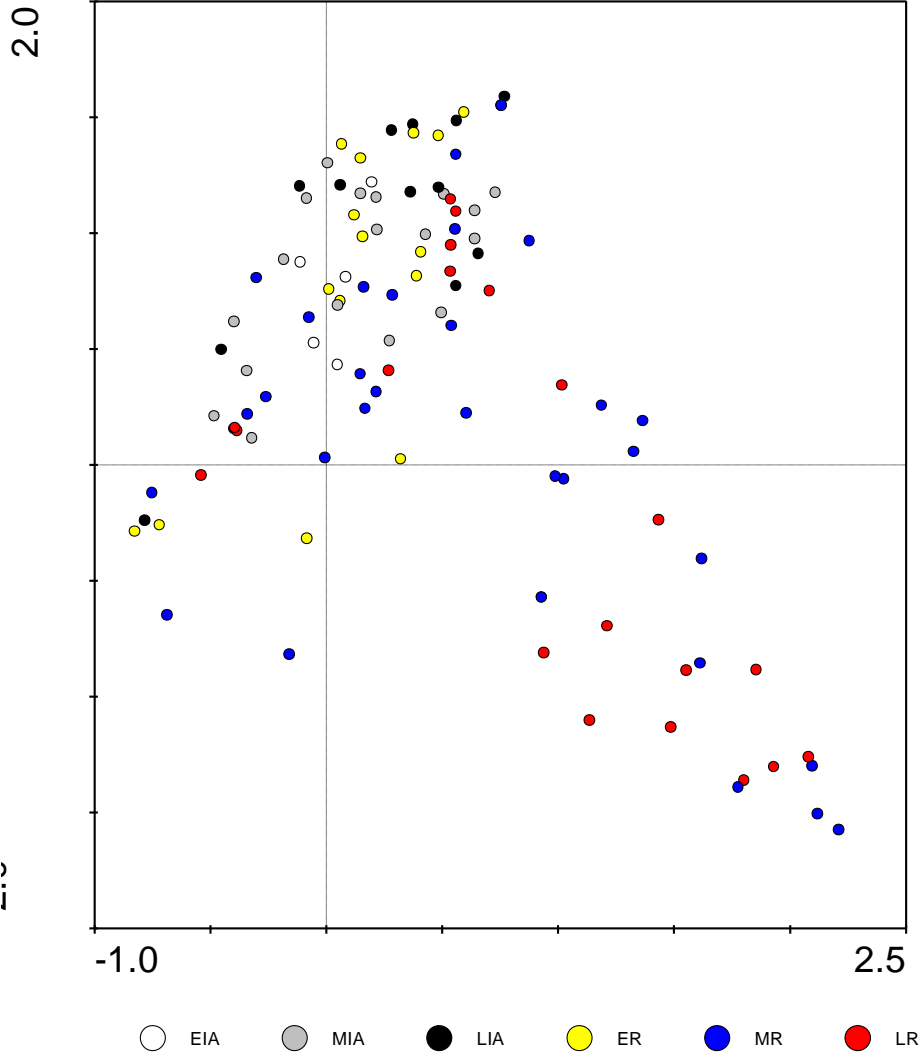


Fig. 6.14. Dataset G: samples, coded by period.

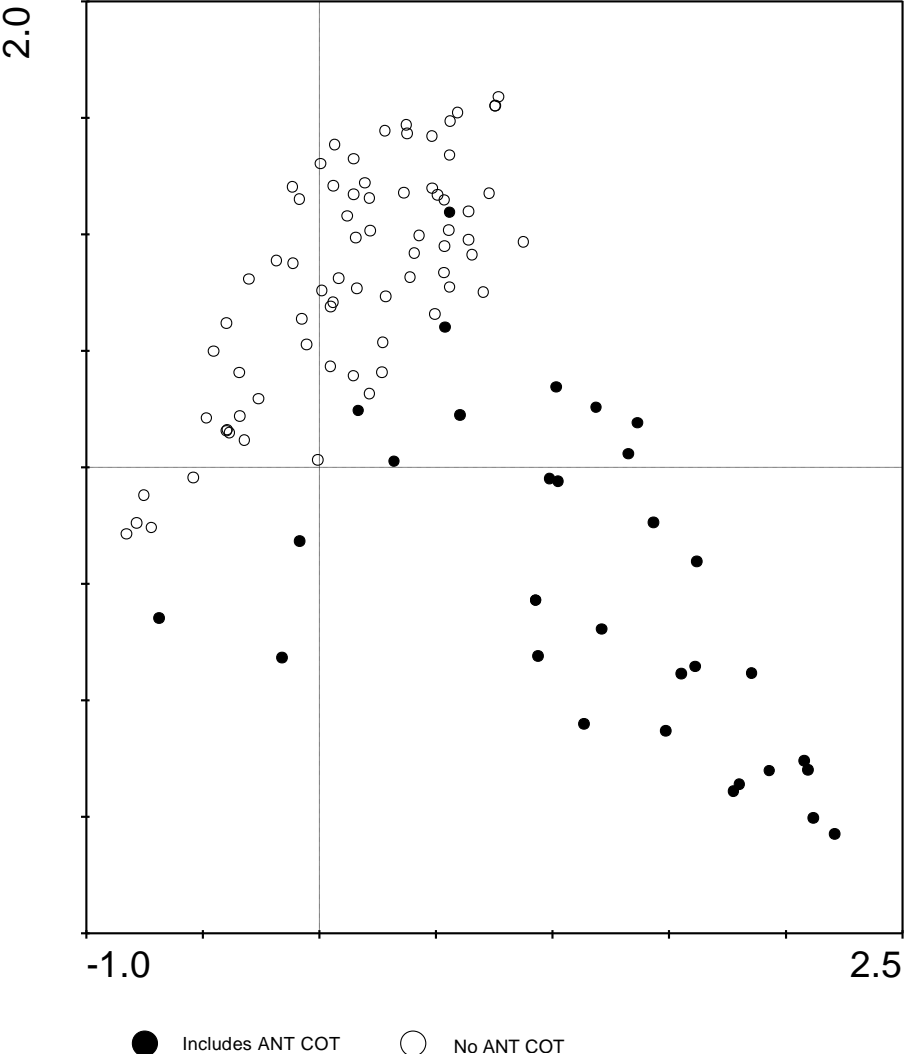


Fig. 6.15. Dataset G: samples, coded by presence/absence of *Anthemis cotula*.

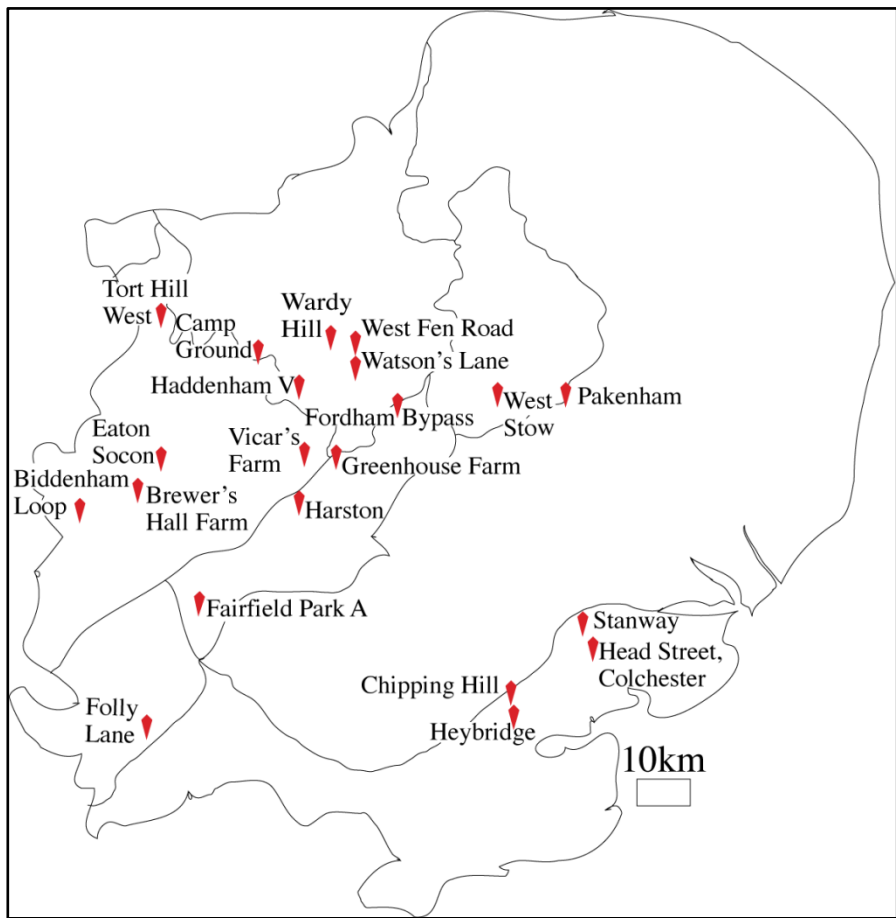


Fig. 6.16. Records with samples included in Dataset H.

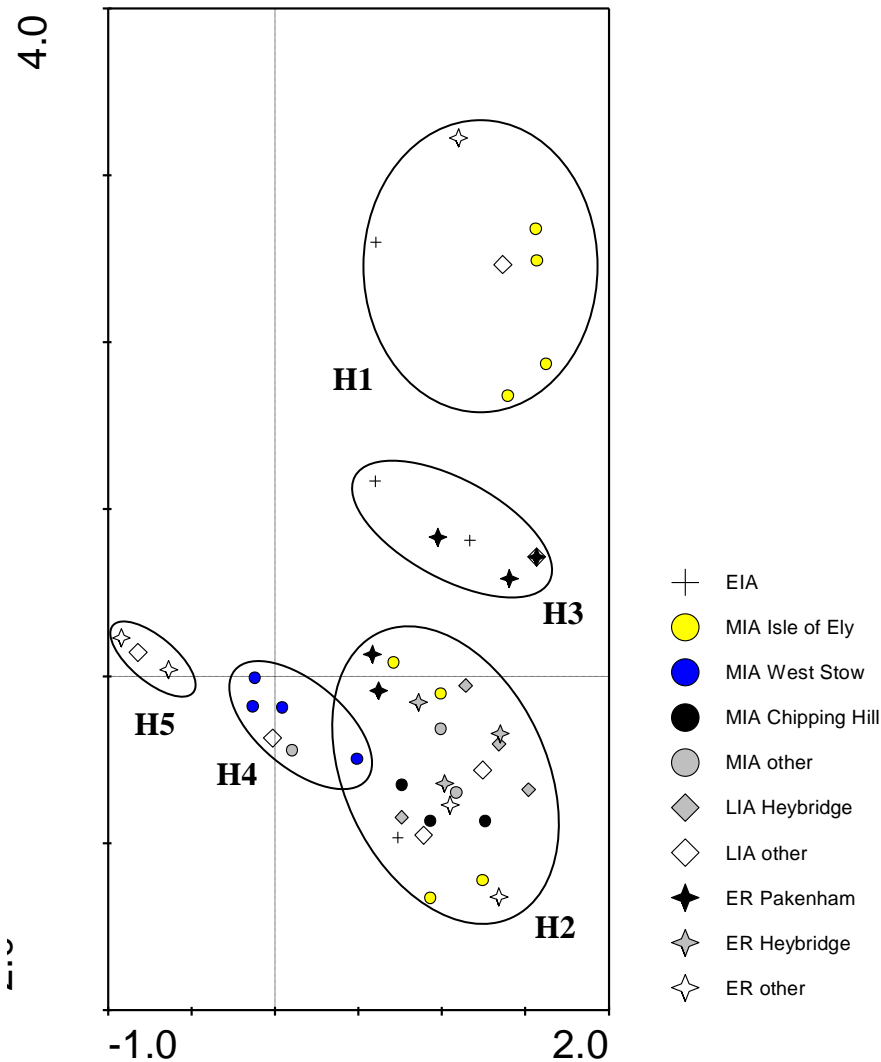


Fig. 6.17. Dataset H: samples (EIA-ER), coded by period and/or record.

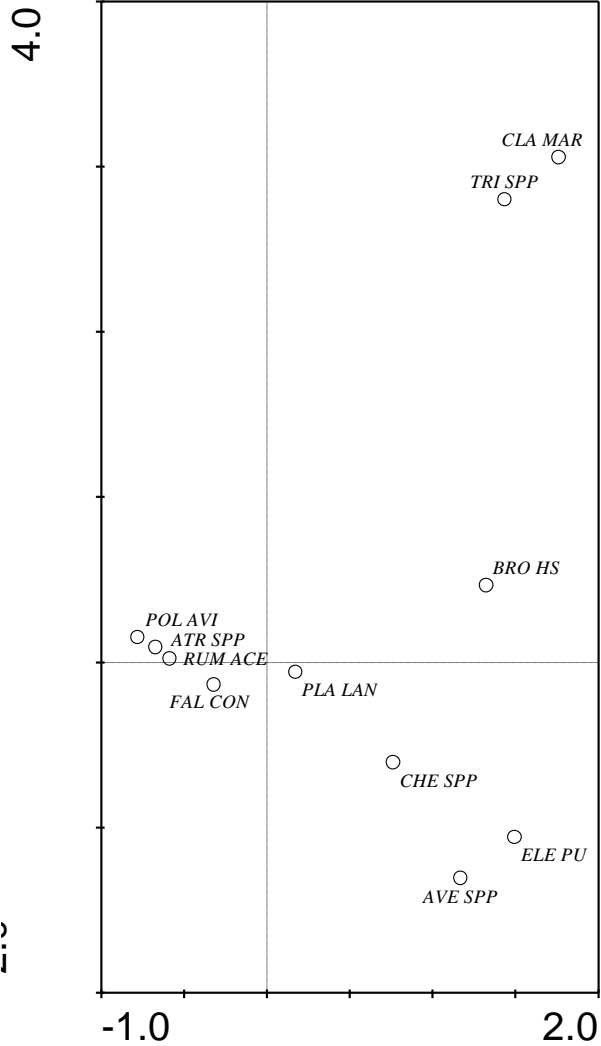


Fig. 6.18. Dataset H: species.

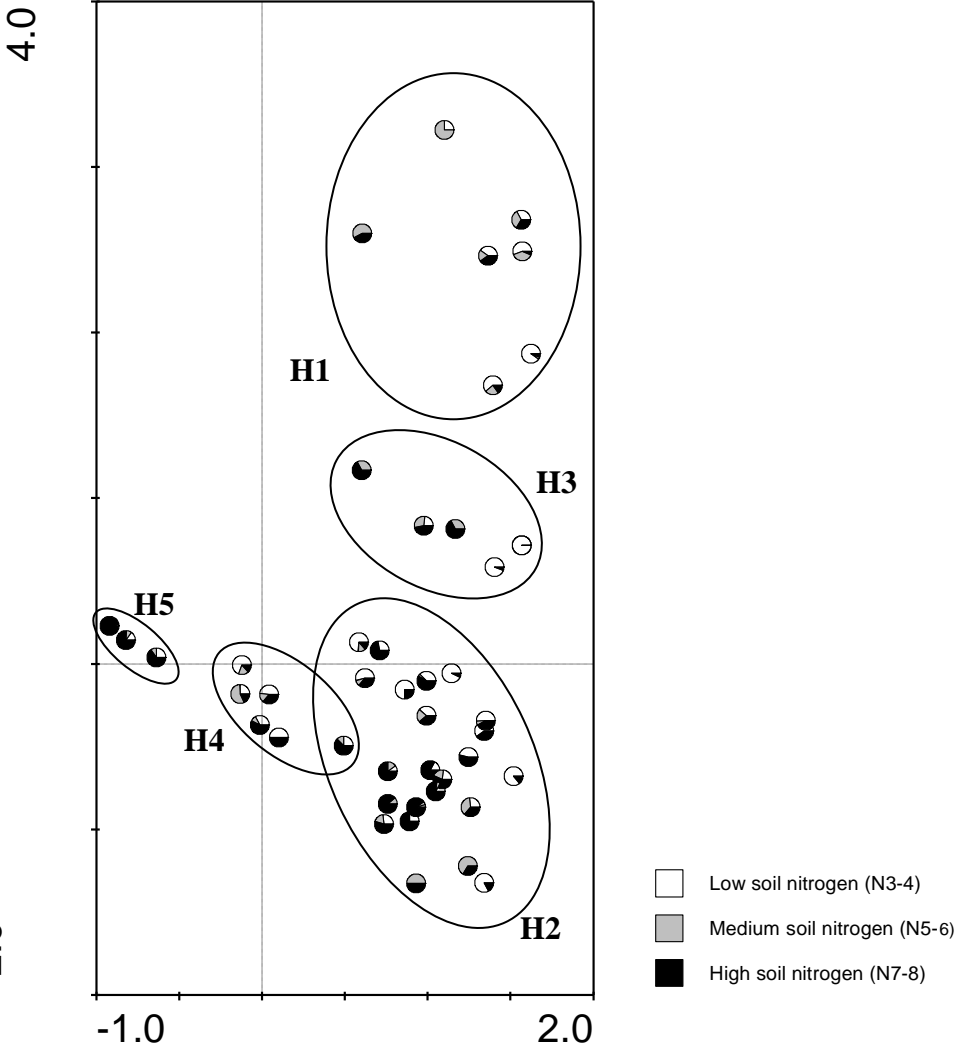


Fig. 6.19. Dataset H: samples (EIA-ER) as pie-charts coded by preference of weed taxa for soil nitrogen-content.

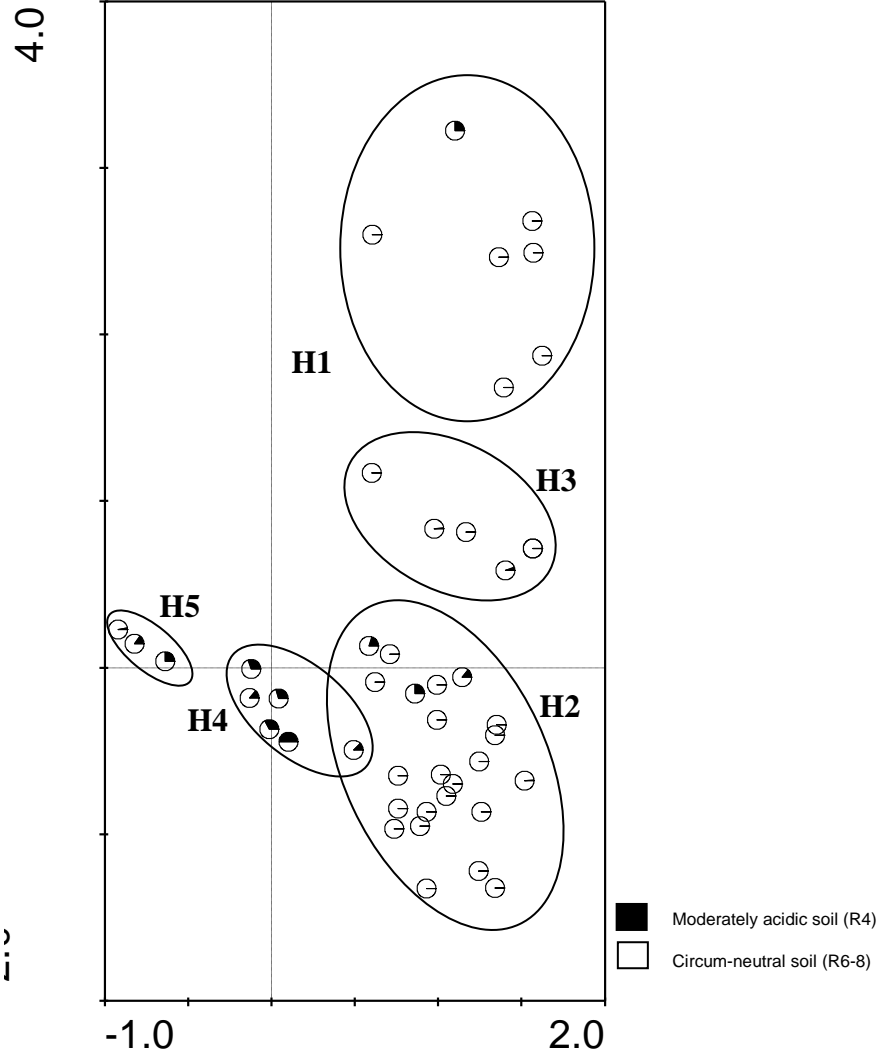


Fig. 6.20. Dataset H: samples (EIA-ER) as pie-charts, coded by weed taxa's preference for soil acidity.

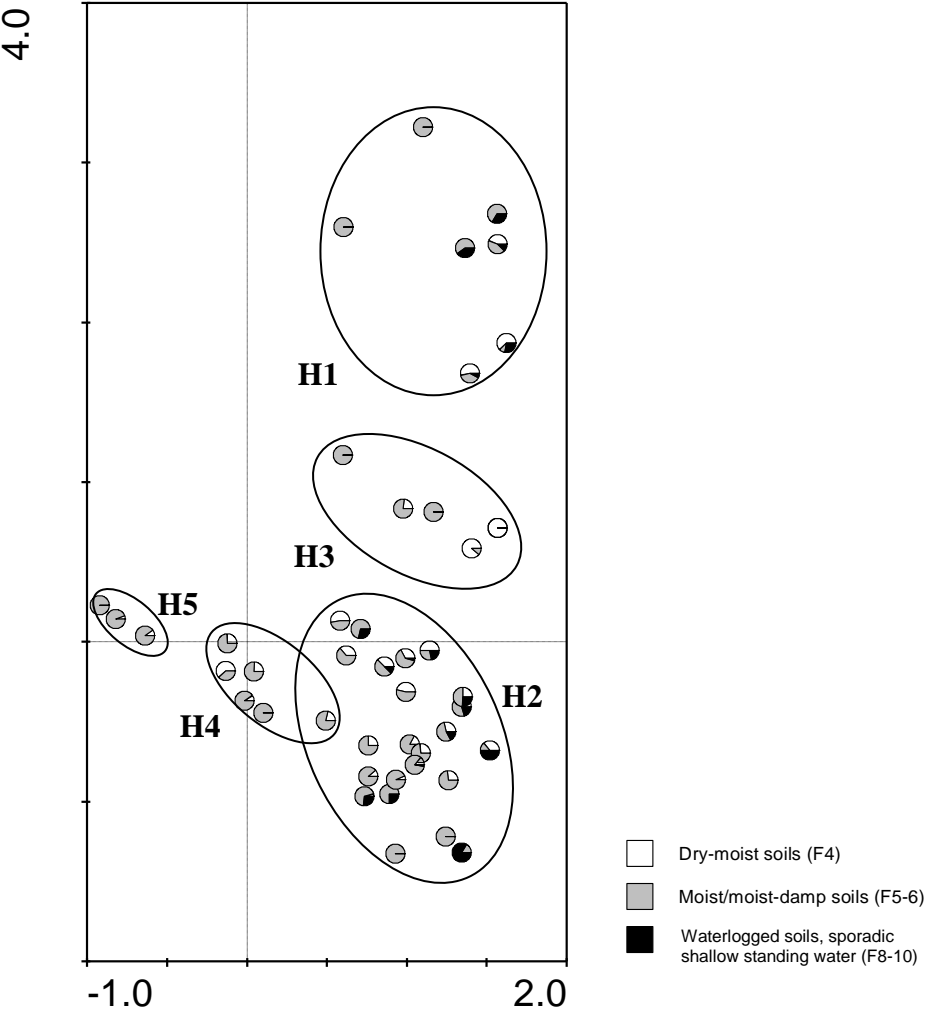


Fig. 6.21. Dataset H: samples (EIA-ER) as pie-charts coded by preference of weed taxa for soil moisture.

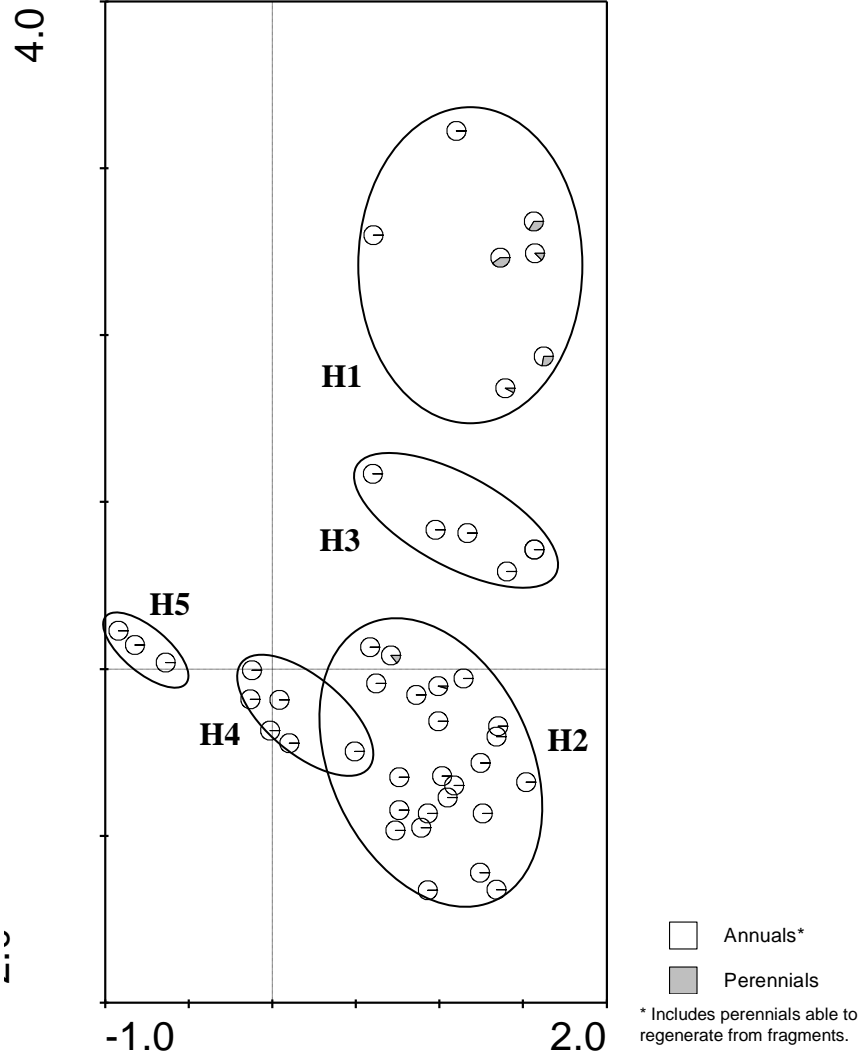


Fig. 6.22. Dataset H: samples (EIA-ER) as pie-charts coded by perennation of weed taxa.

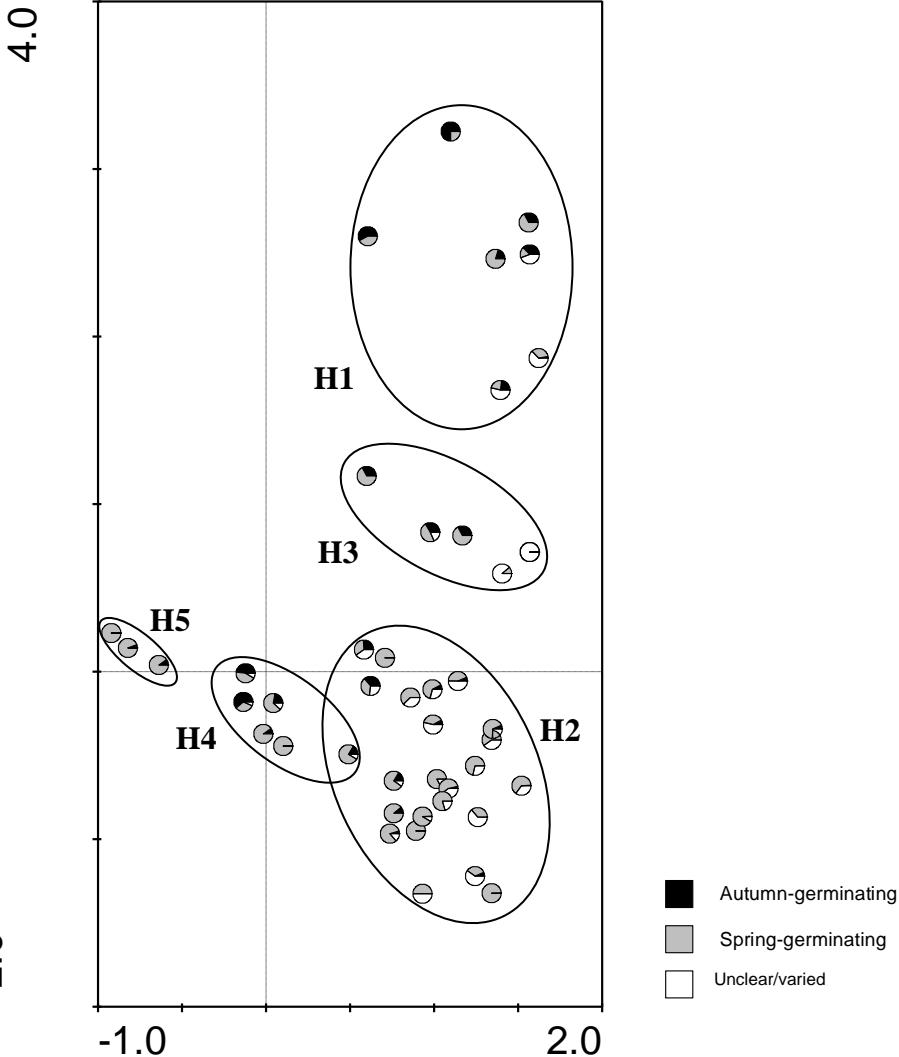


Fig. 6.23. Dataset H: samples (EIA-ER) as pie-charts coded by germination time.

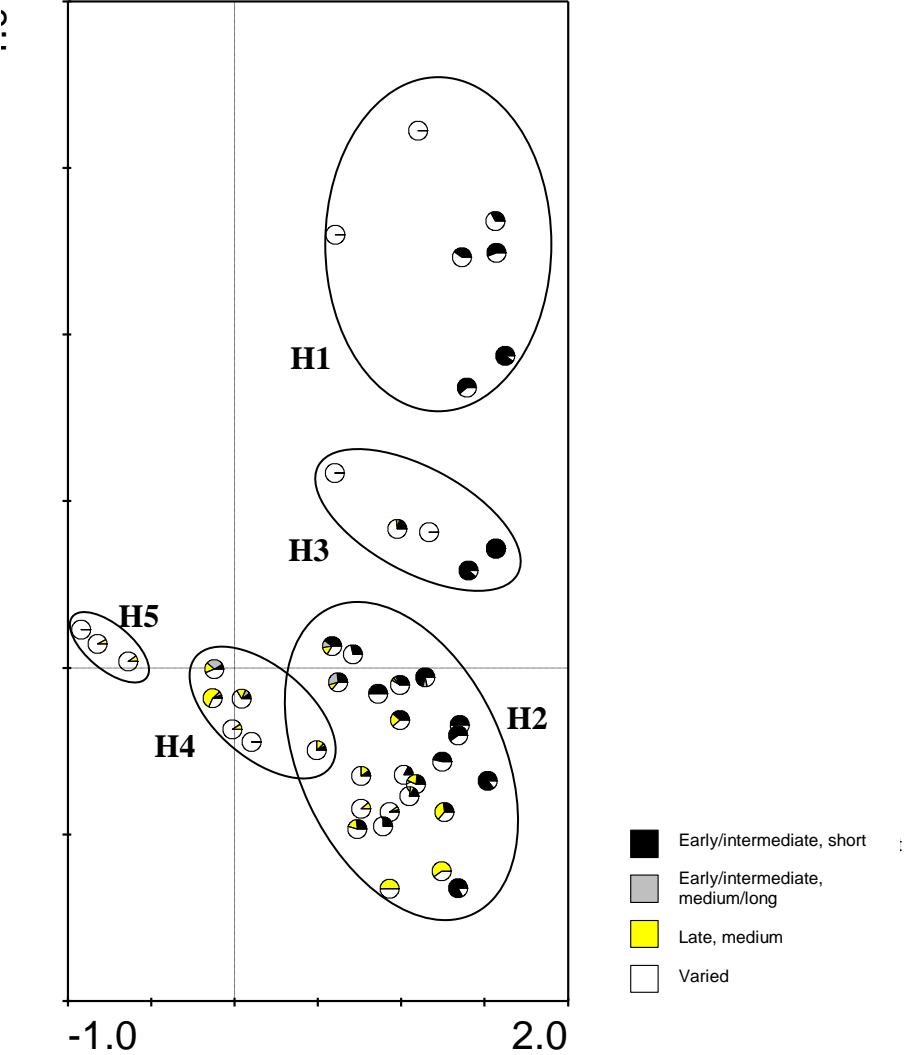


Fig. 6.24. Dataset H: samples (EIA-ER) as pie-charts coded by onset and duration of flowering period.

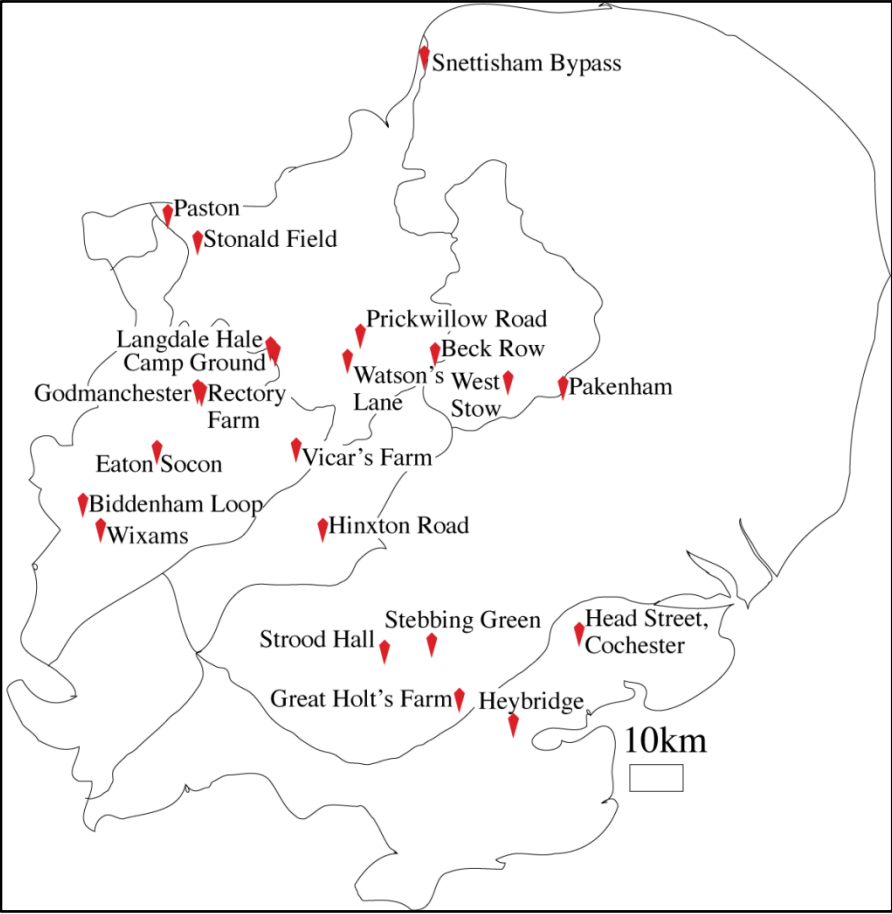


Fig. 6.25. Records with samples included in Dataset I.

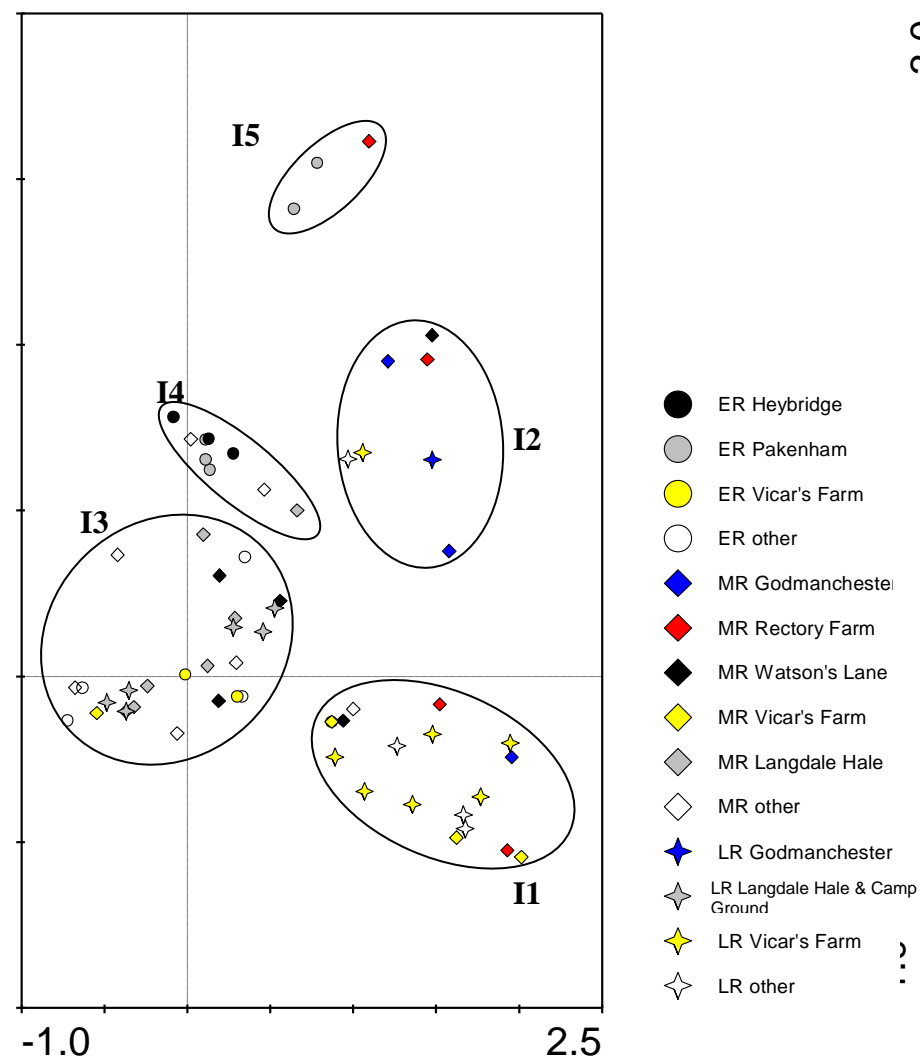


Fig. 6.26. Dataset I: samples (ER-LR) coded by period and individual record.

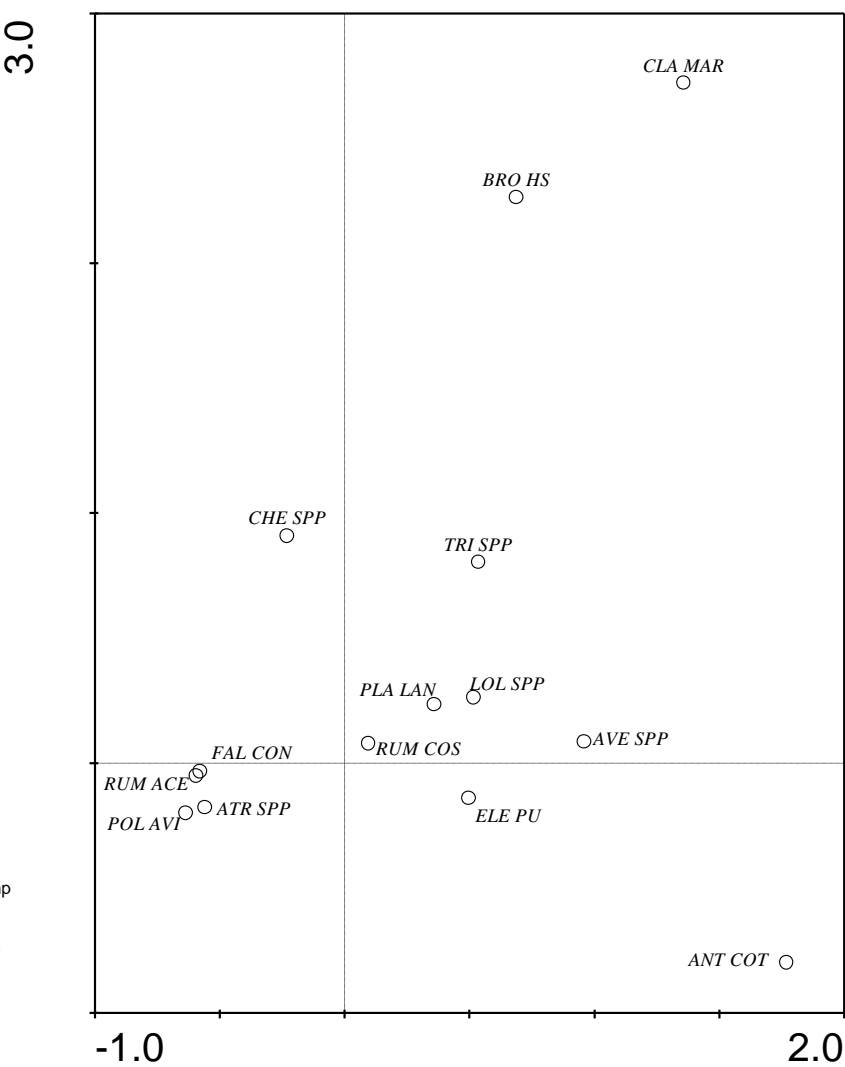


Fig. 6.27. Dataset I: species.

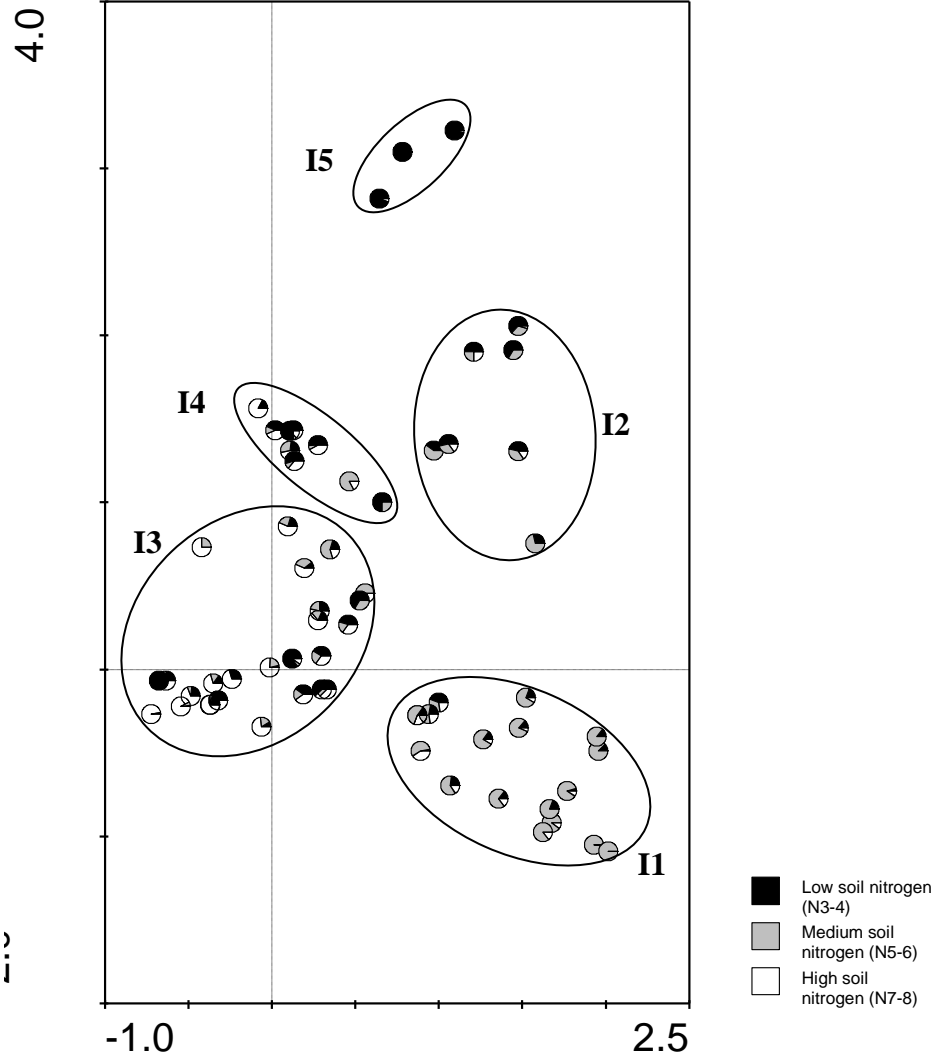


Fig. 6.28. Dataset I: samples (ER-LR) as pie charts coded by weed taxa's preference for soil nitrogen-content.

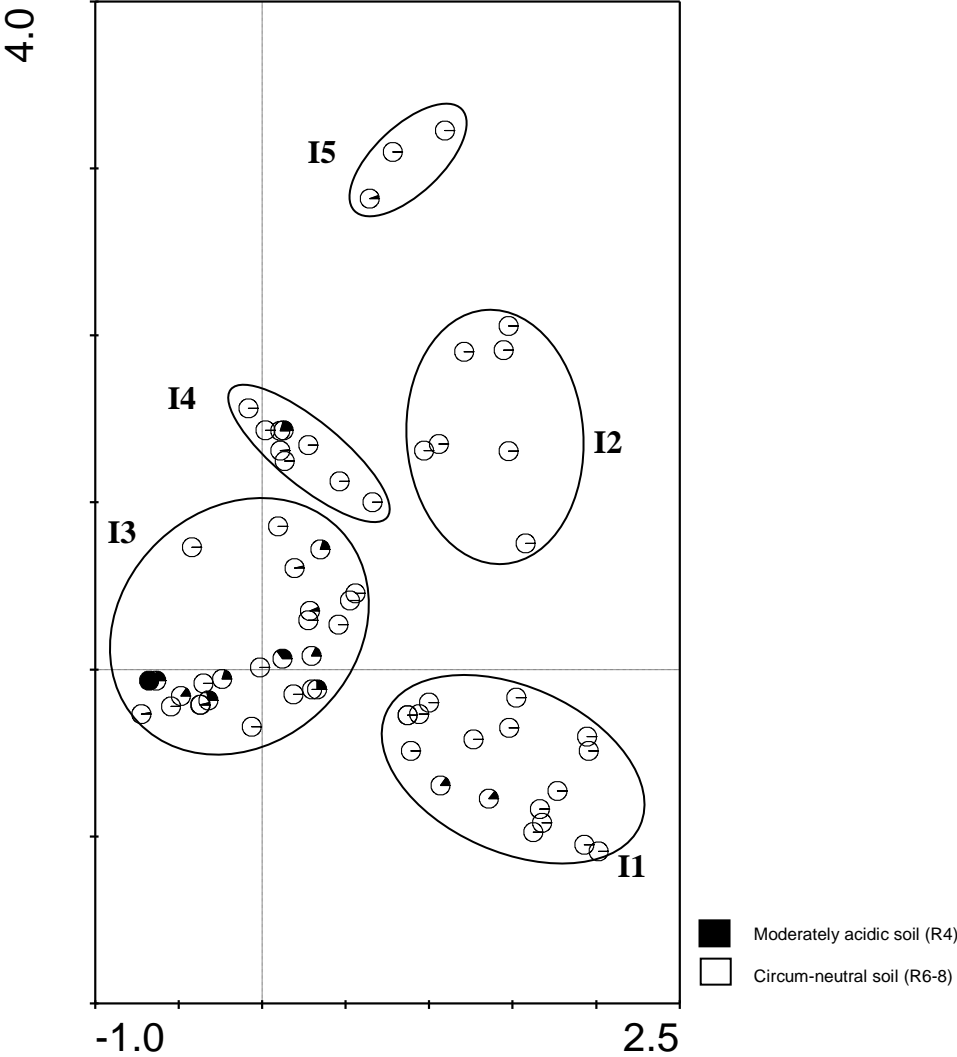


Fig. 6.29. Dataset I: samples (ER-LR) as pie charts coded by weed taxa's preference for soil acidity.

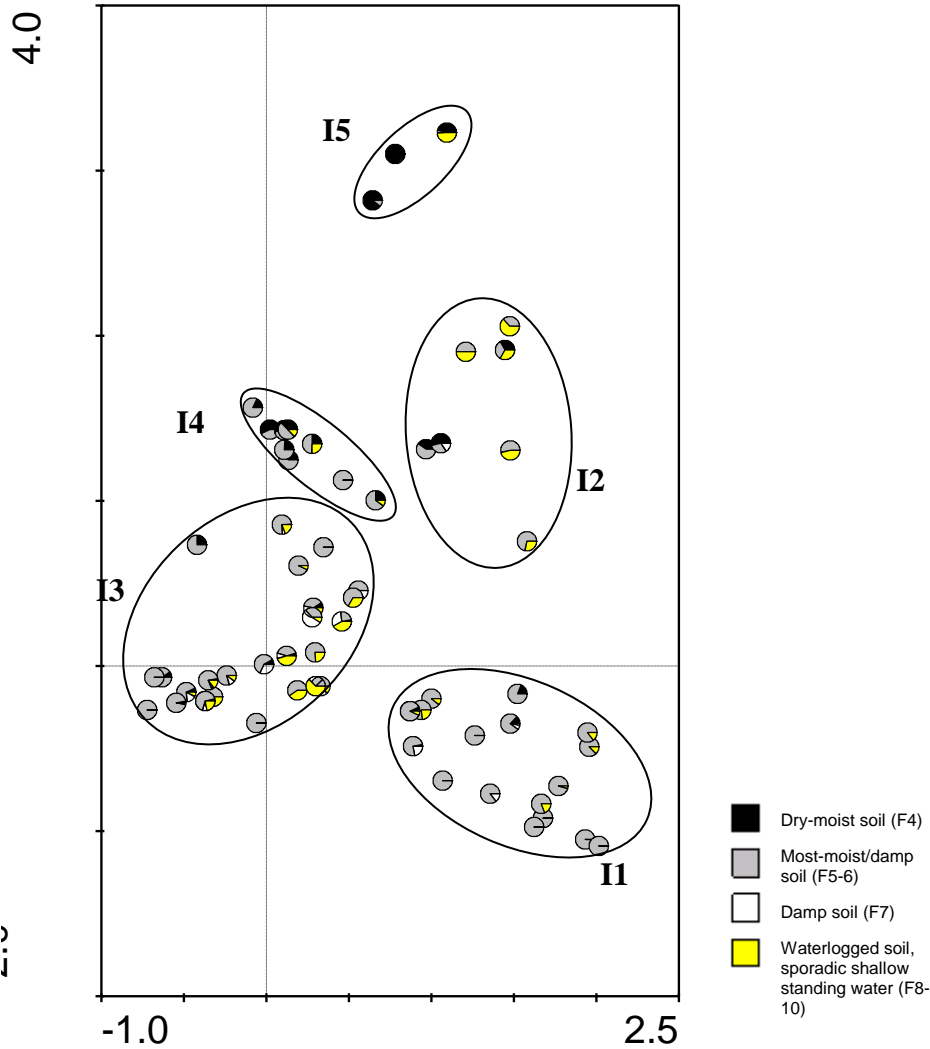


Fig. 6.30. Dataset I: samples (ER-LR) as pie charts coded by weed taxa's preference for soil moisture.

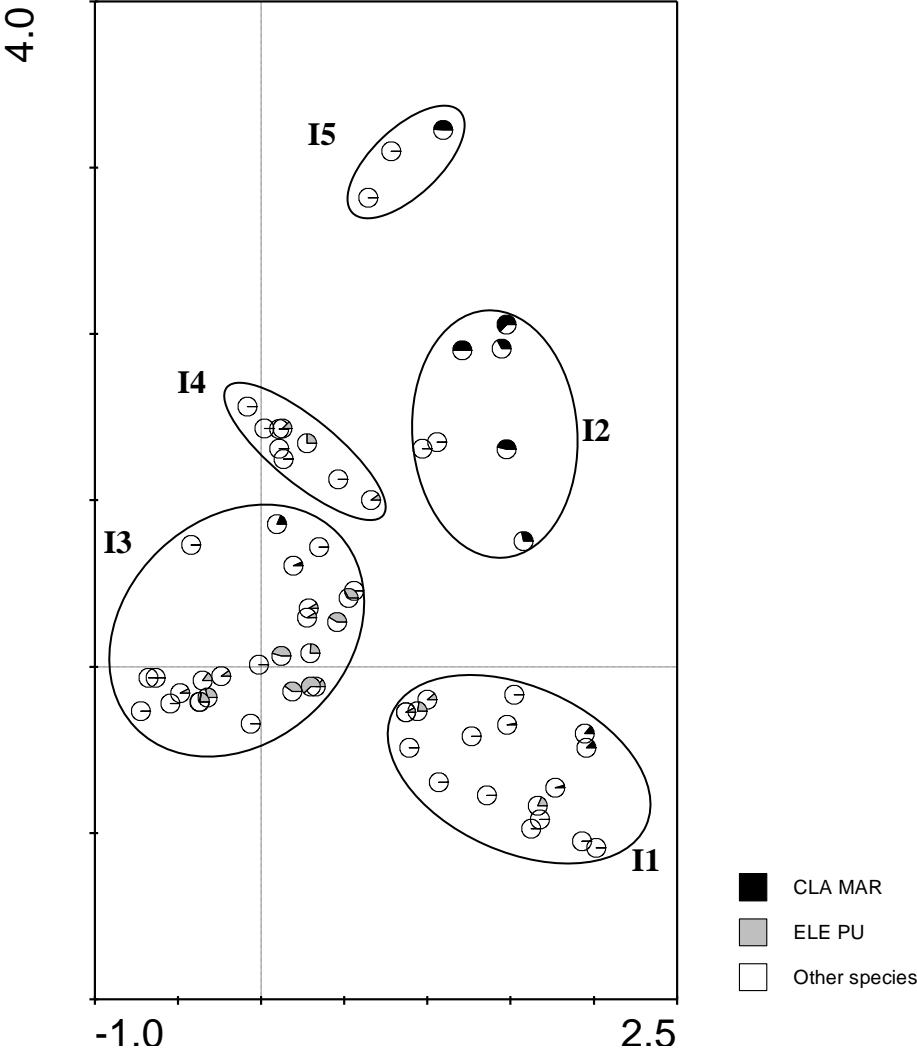


Fig. 6.31. Dataset H: samples (ER-LR) as pie charts coded by individual taxa representing waterlogged soils prone to shallow-water inundation.

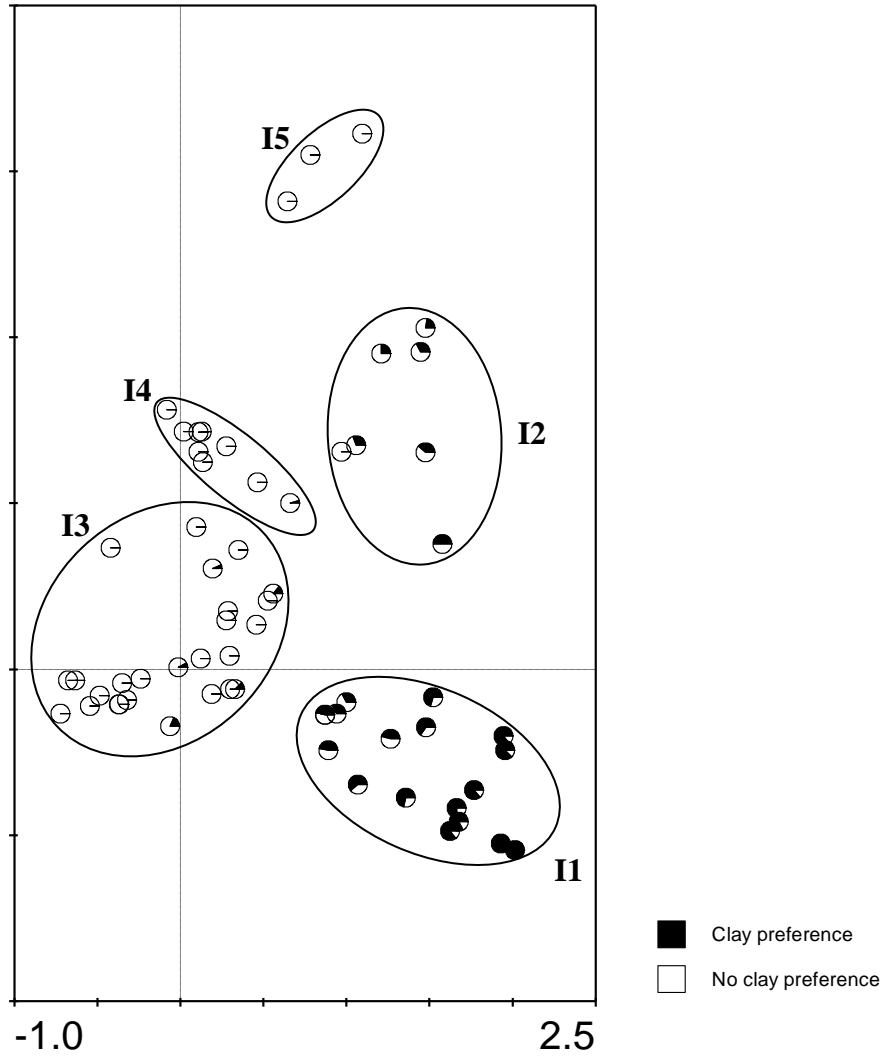


Fig. 6.32. Dataset I: samples (ER-LR) as pie charts coded by weed taxa's preference heavy clay soils.

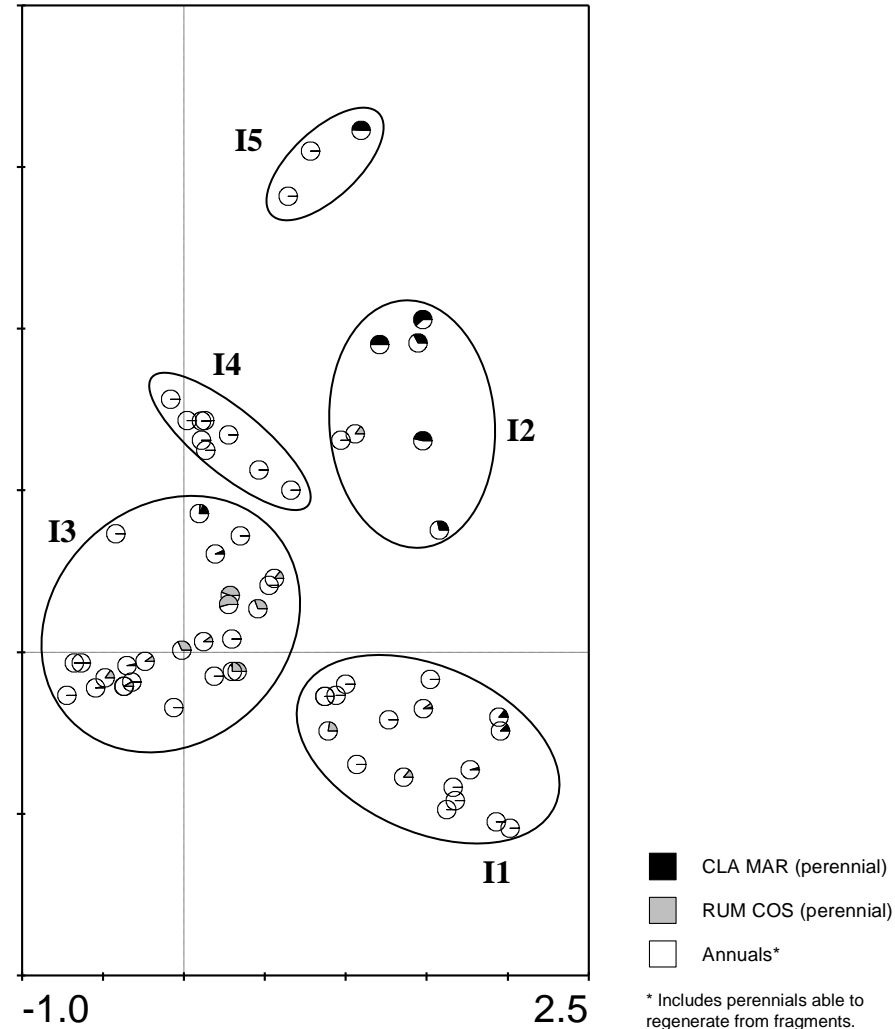


Fig. 6.33. Dataset I: samples (ER-LR) as pie charts coded by weed taxa's modes of perennation.

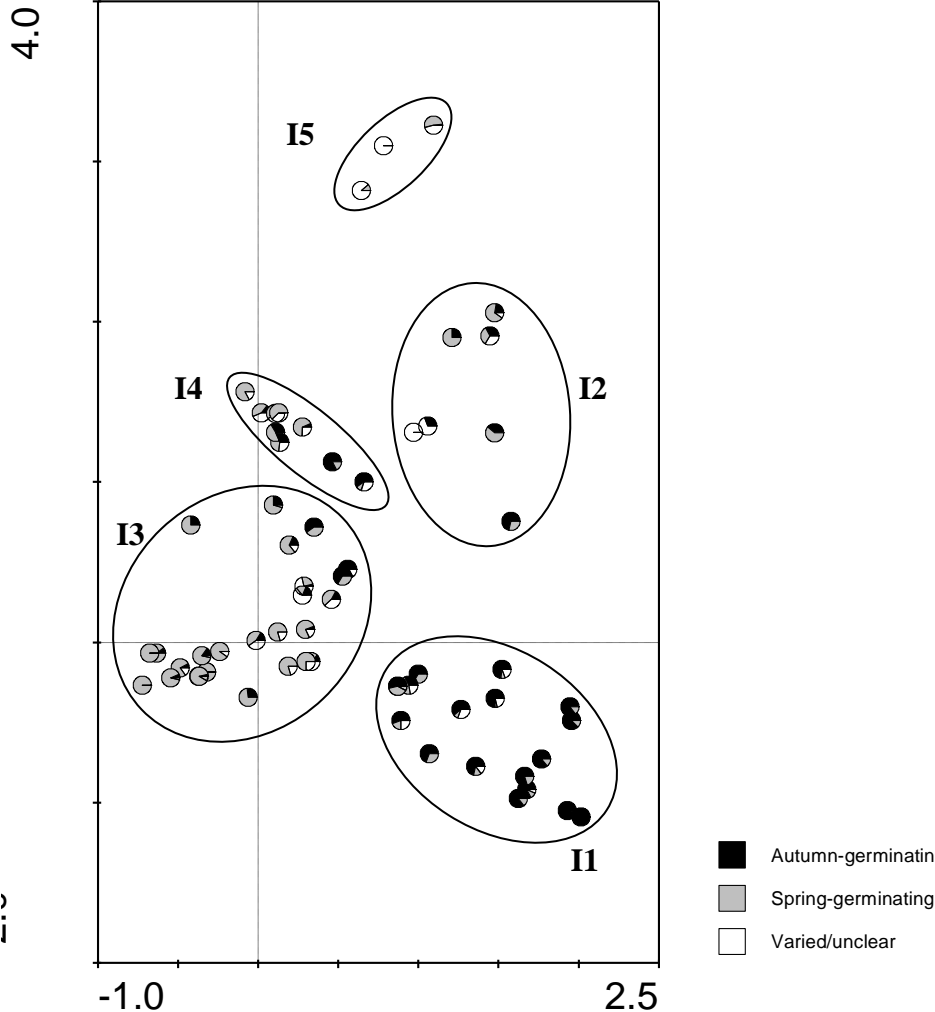


Fig. 6.34. Dataset I: samples (ER-LR) as pie charts coded by weed taxa's germination time.

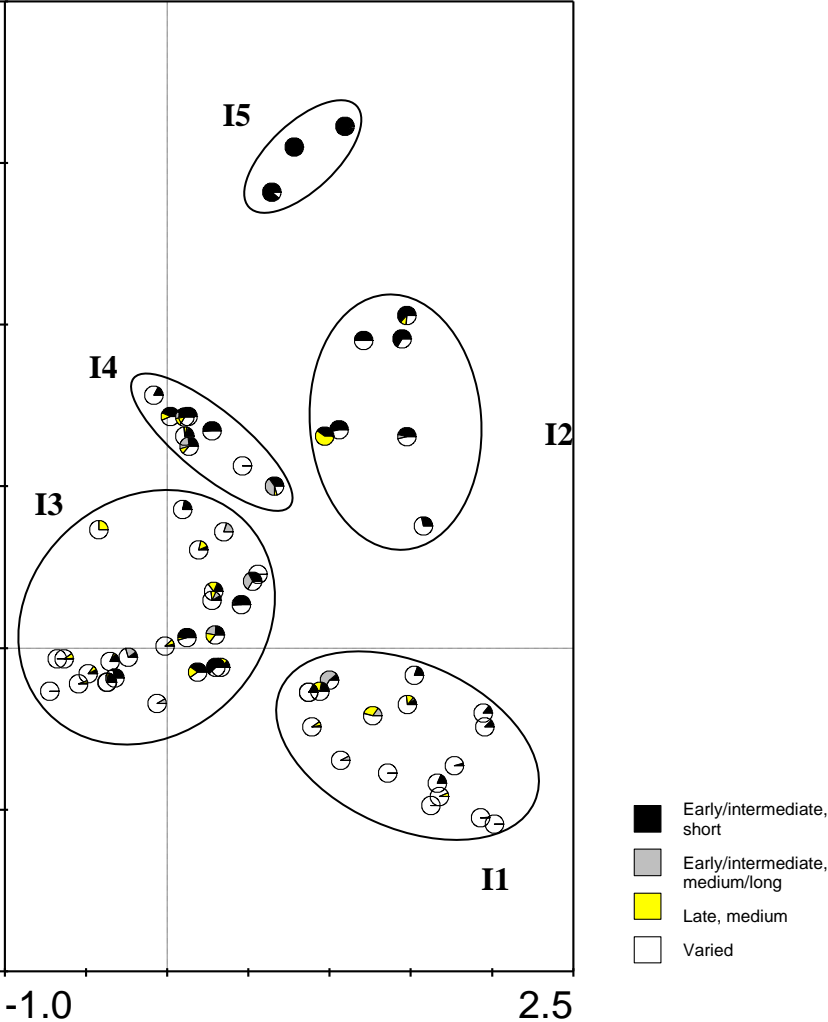


Fig. 6.35. Dataset I: samples (ER-LR) as pie charts coded by onset and duration of weed taxa's flowering.

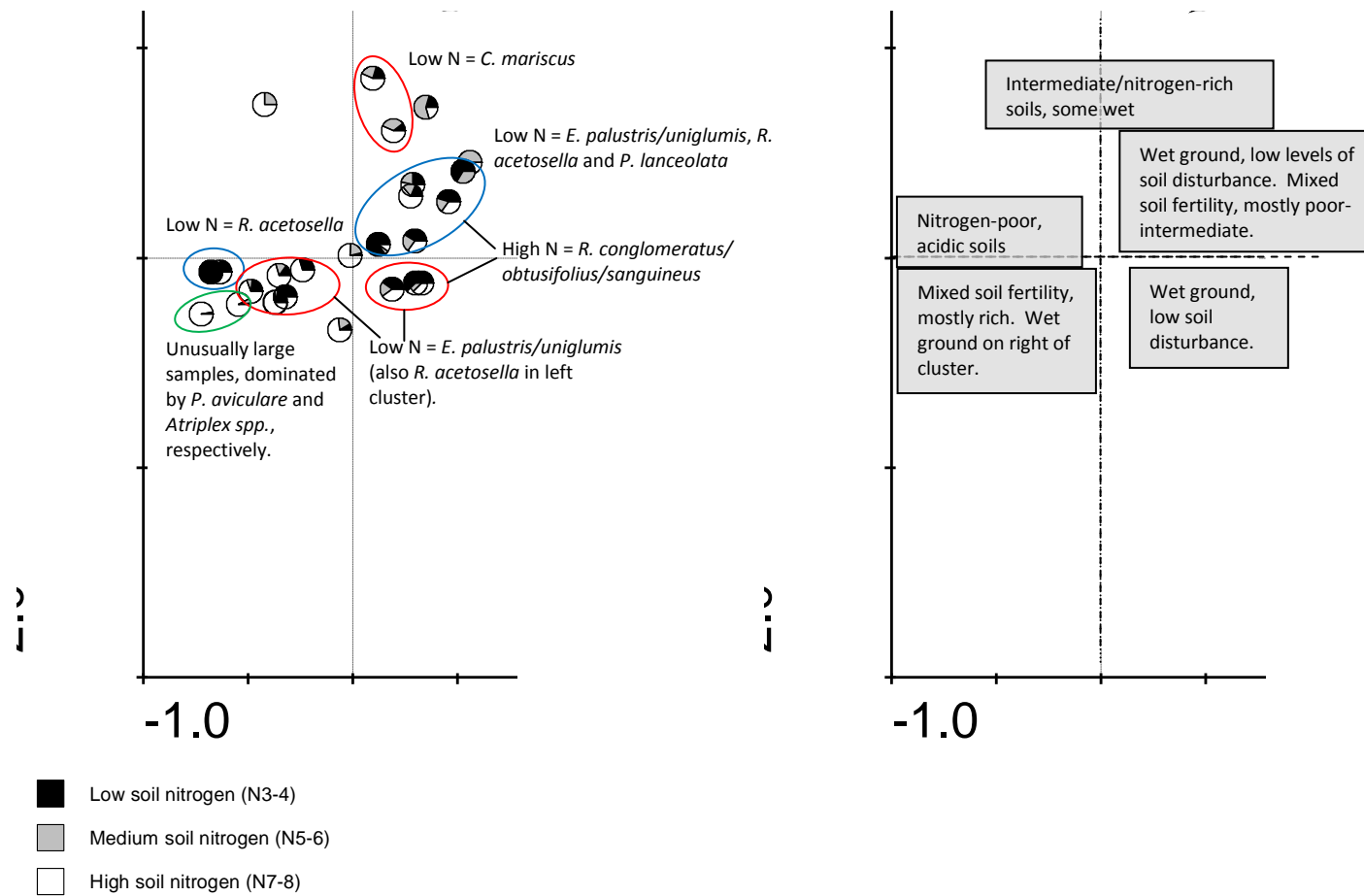
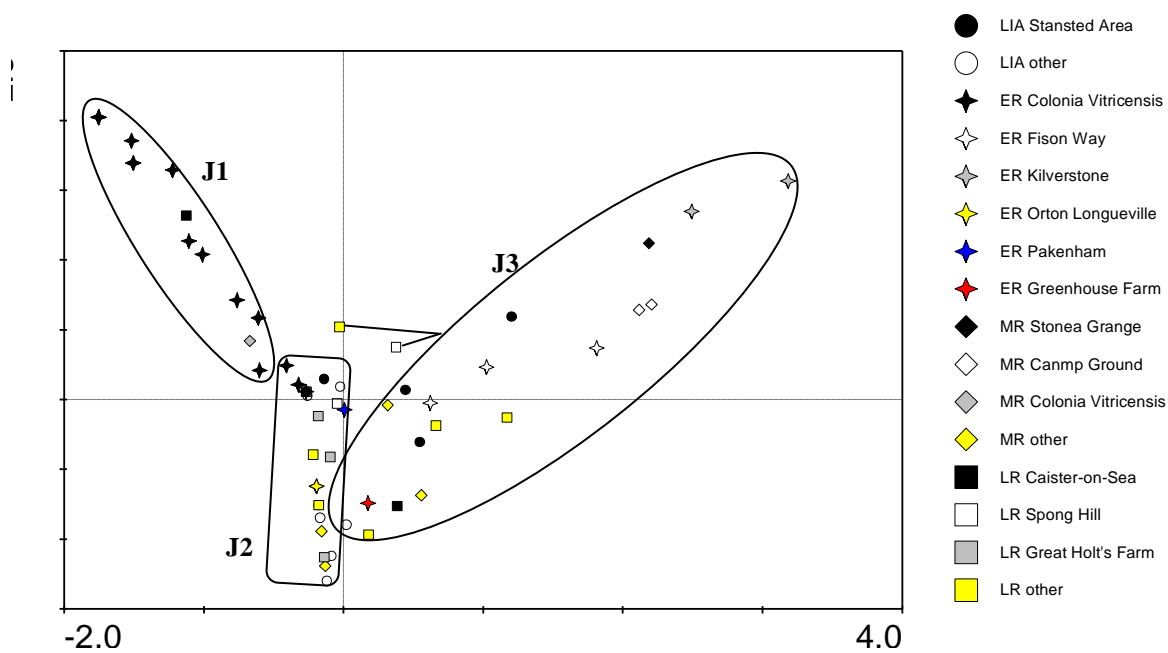


Fig. 6.36. Understanding Group I3 (based on Fig. 6.28).



Fig. 6.37. Records with samples included in Dataset J.



6.38. Dataset J: samples (LIA-LR) coded by period and individual record.

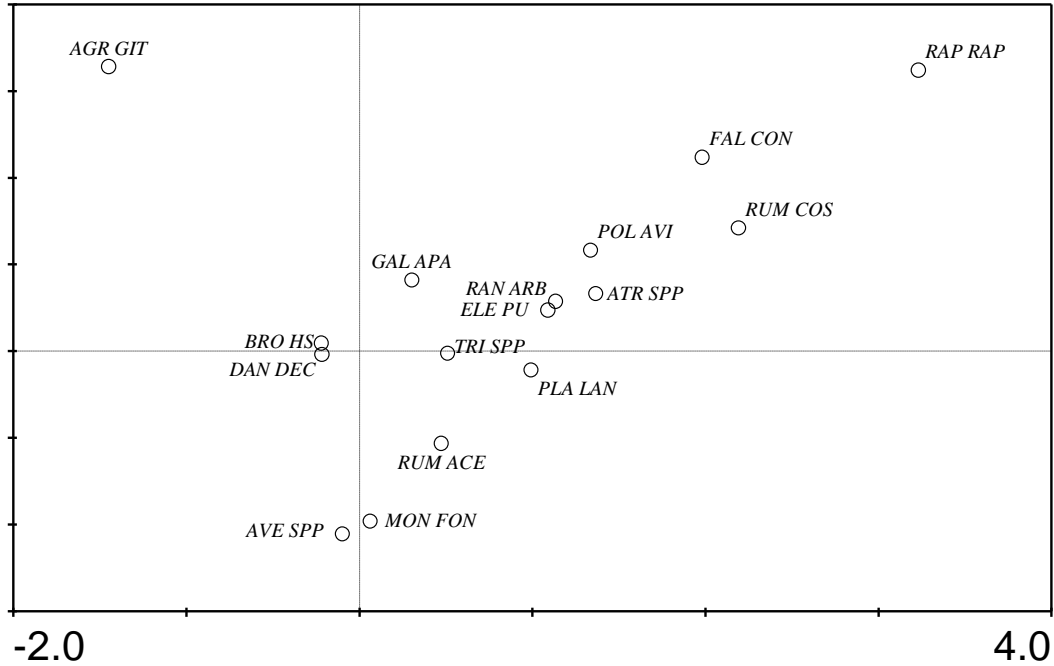


Fig 6.39. Dataset J: species.

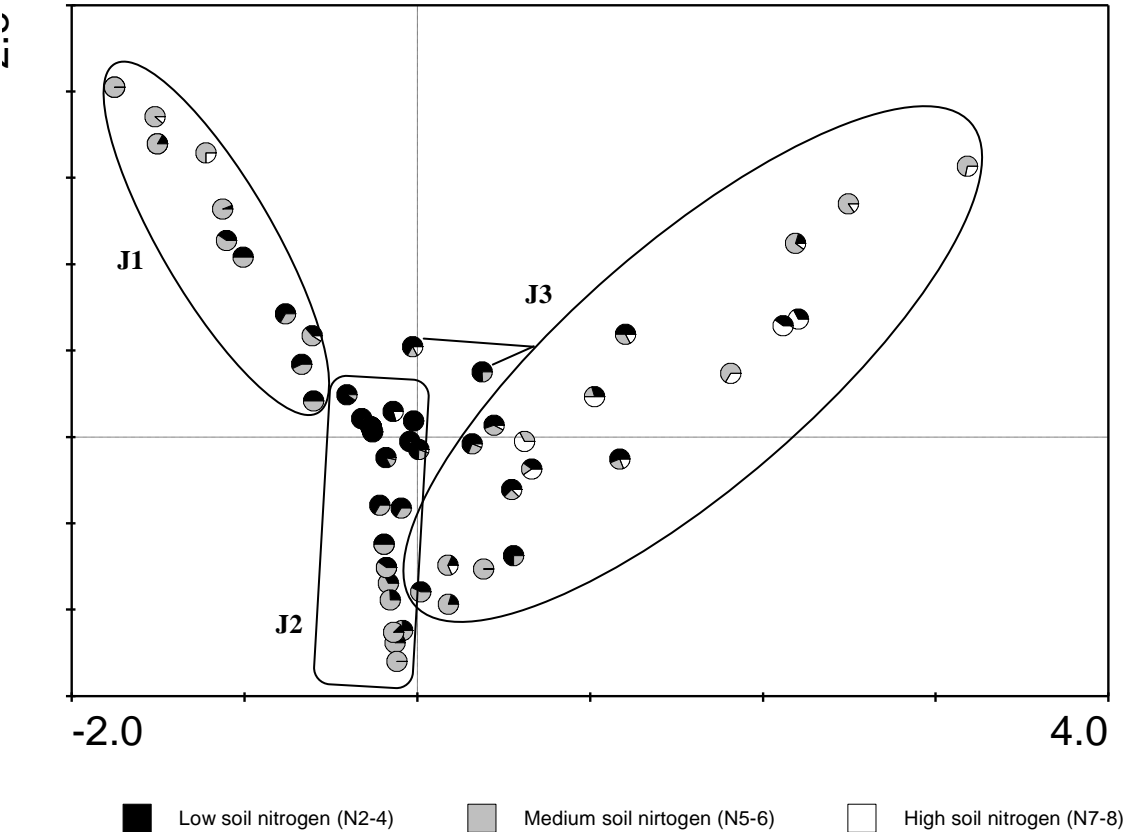


Fig. 6.40. Dataset J: samples (LIA-LR) as pie-charts coded by weed taxa's preferences for soil nitrogen-content.

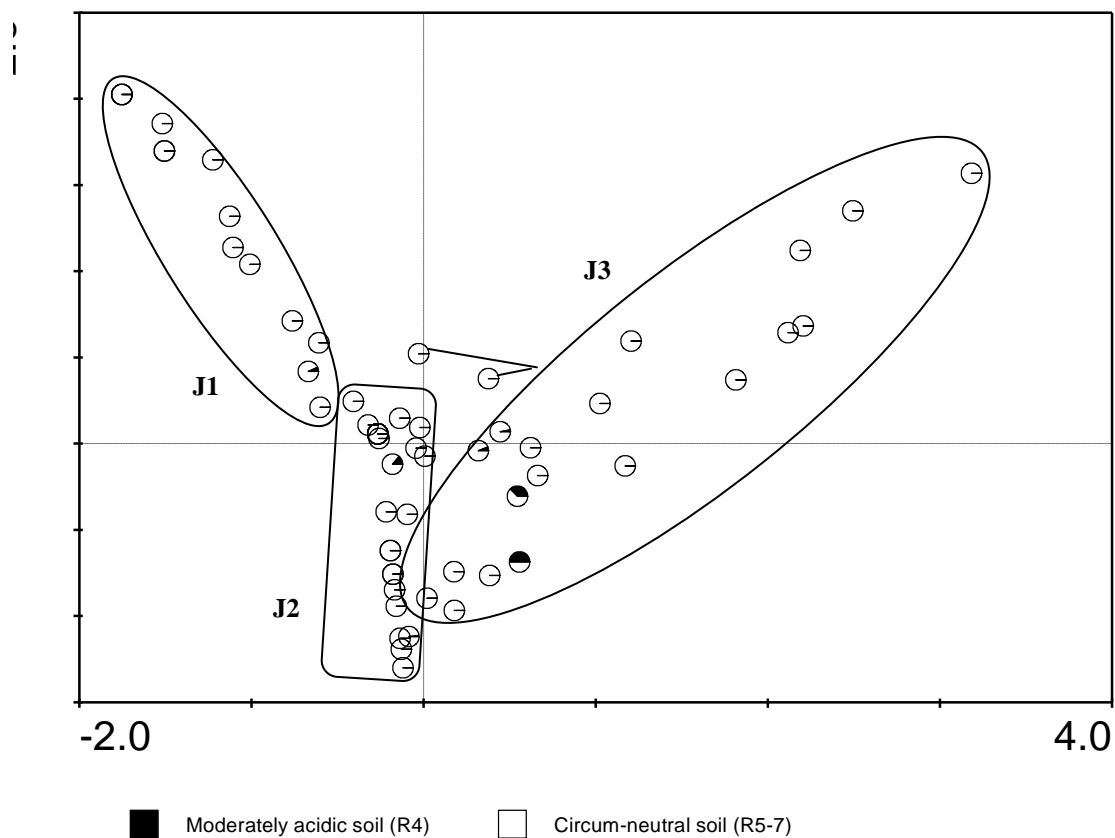


Fig. 6.41. Dataset J: samples (LIA-LR) as pie-chart, coded by weed taxa's preferences for soil acidity.

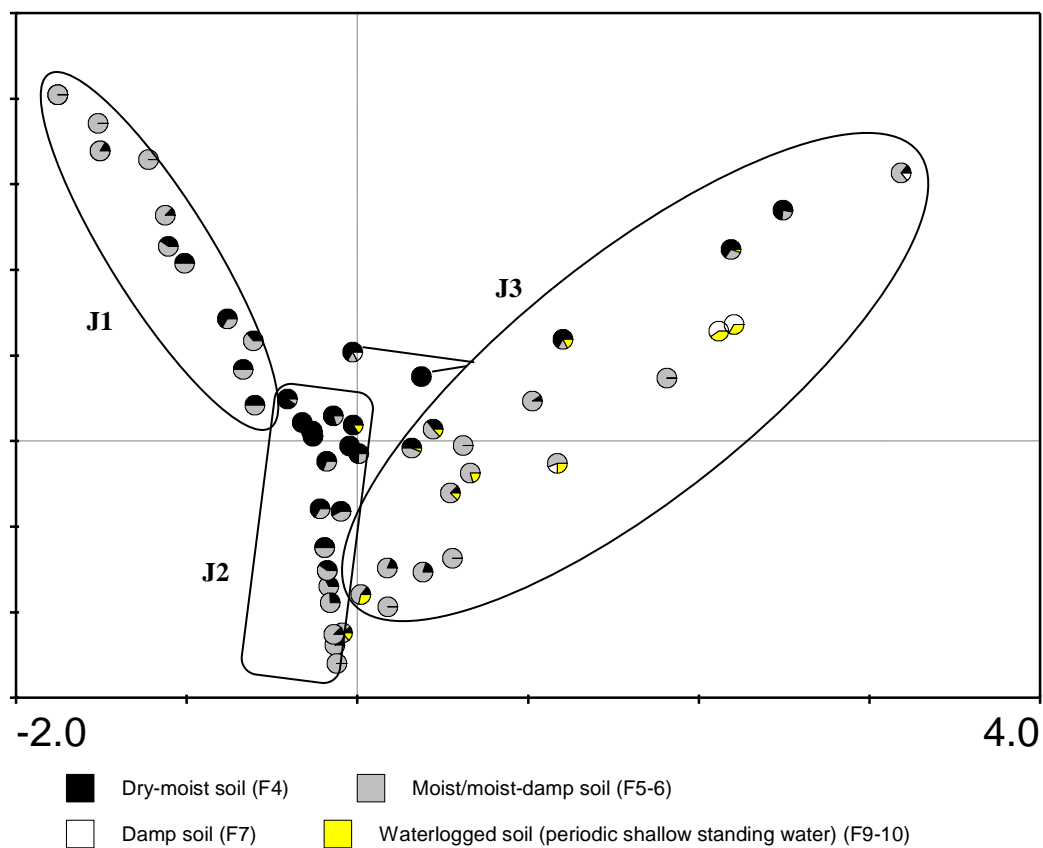


Fig. 6.42. Dataset J: samples (LIA-LR) as pie-charts coded by weed taxa's preferences for soil moisture.

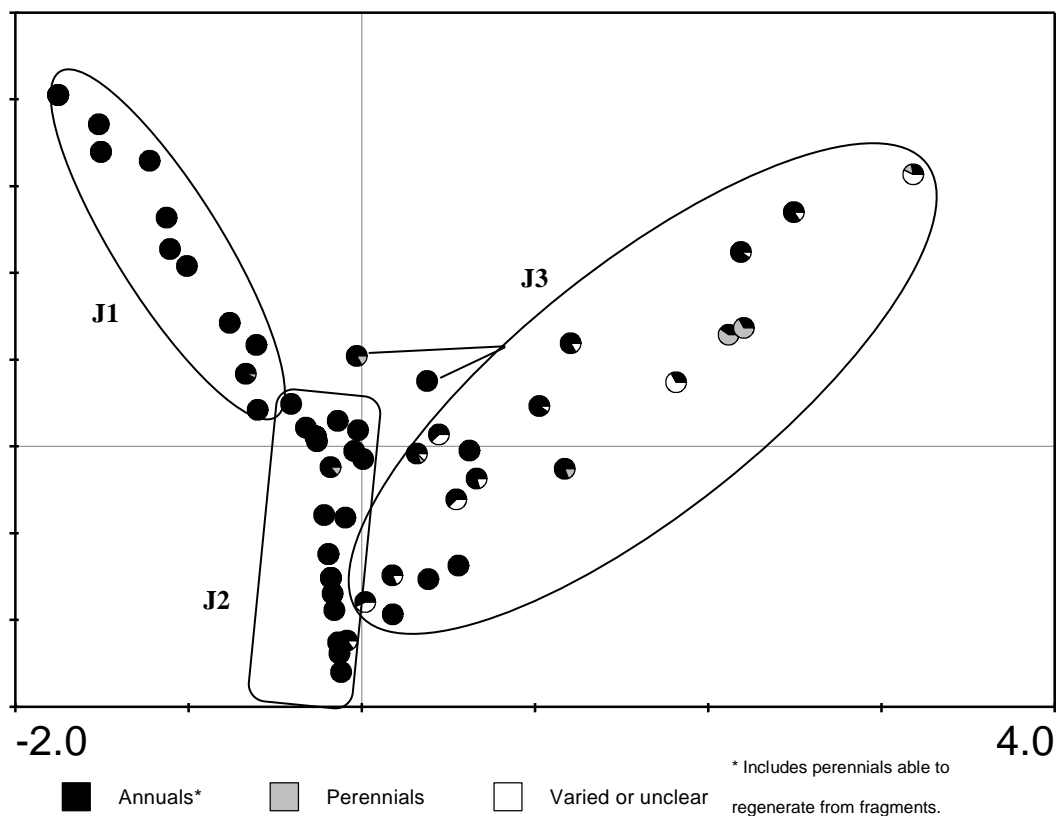


Fig. 6.43. Dataset J: samples (LIA-LR) as pie-charts coded by weed taxa's mode of perennation.

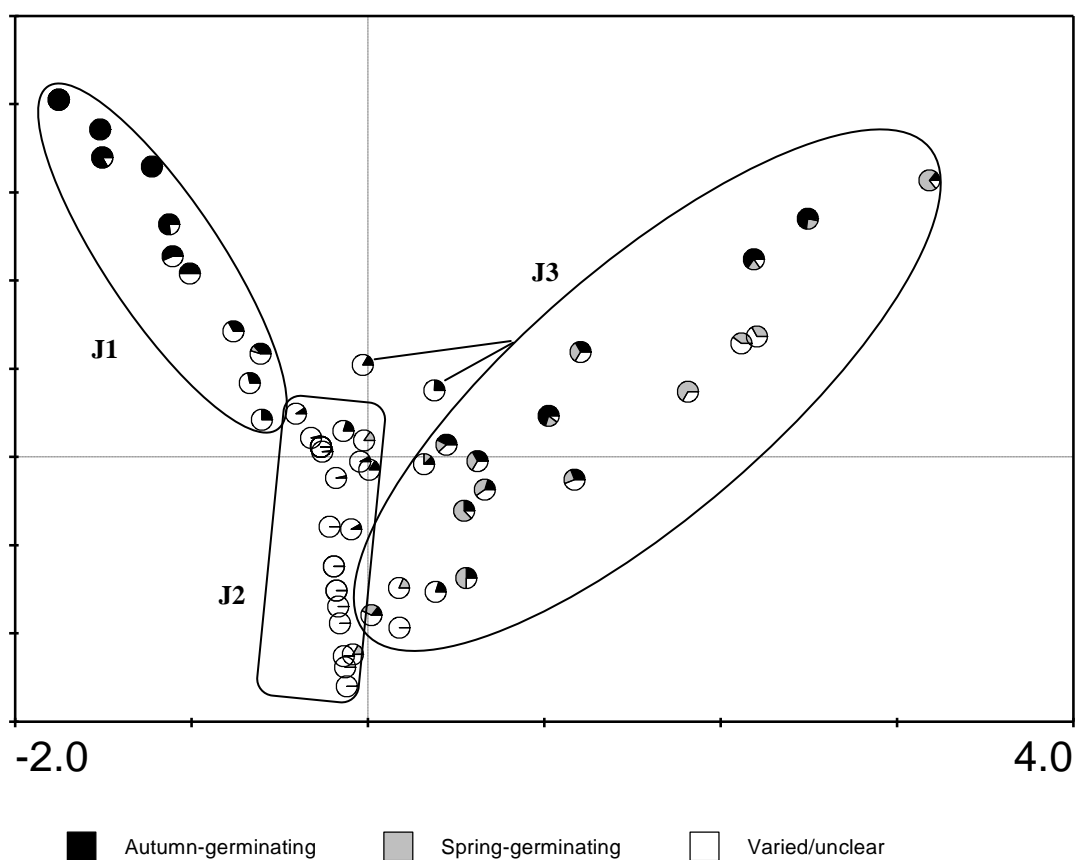


Fig. 6.44. Dataset J: samples (LIA-LR) as pie-charts coded by timing of weed taxa's germination.

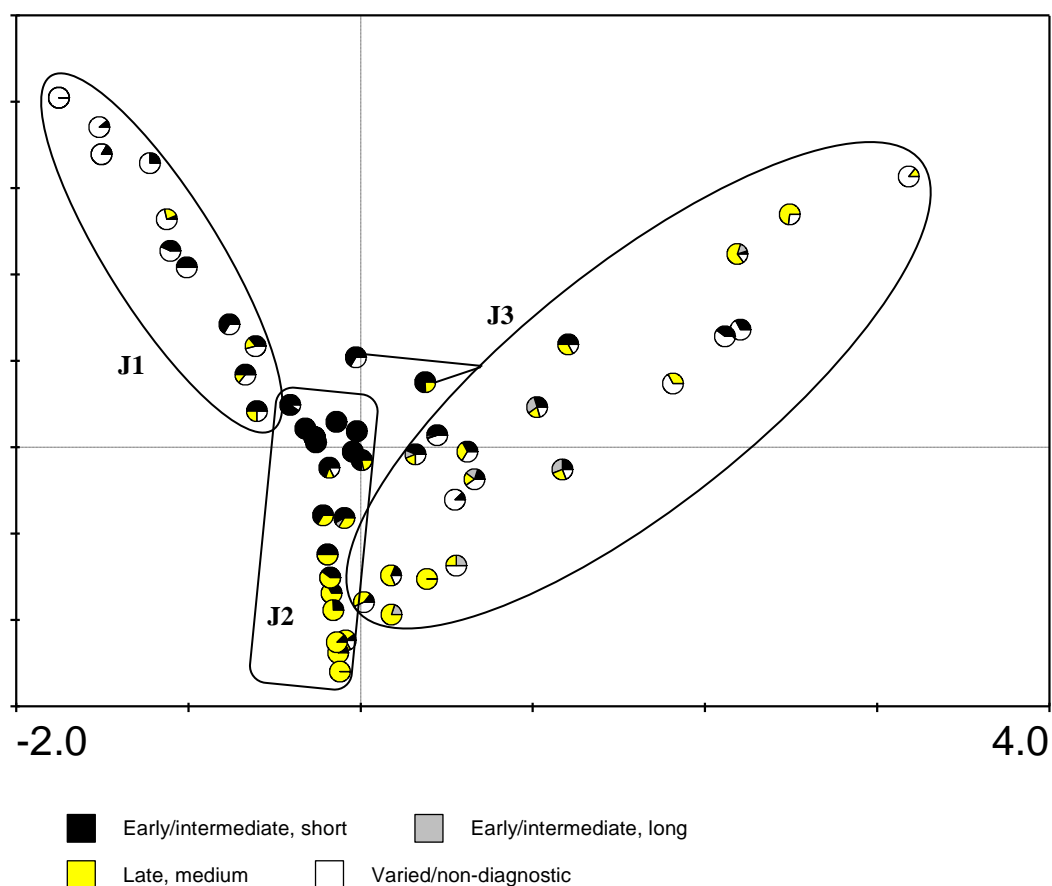


Fig. 6.45. Dataset J: samples (LIA-LR) as pie-charts coded by onset and duration weed taxa's flowering.

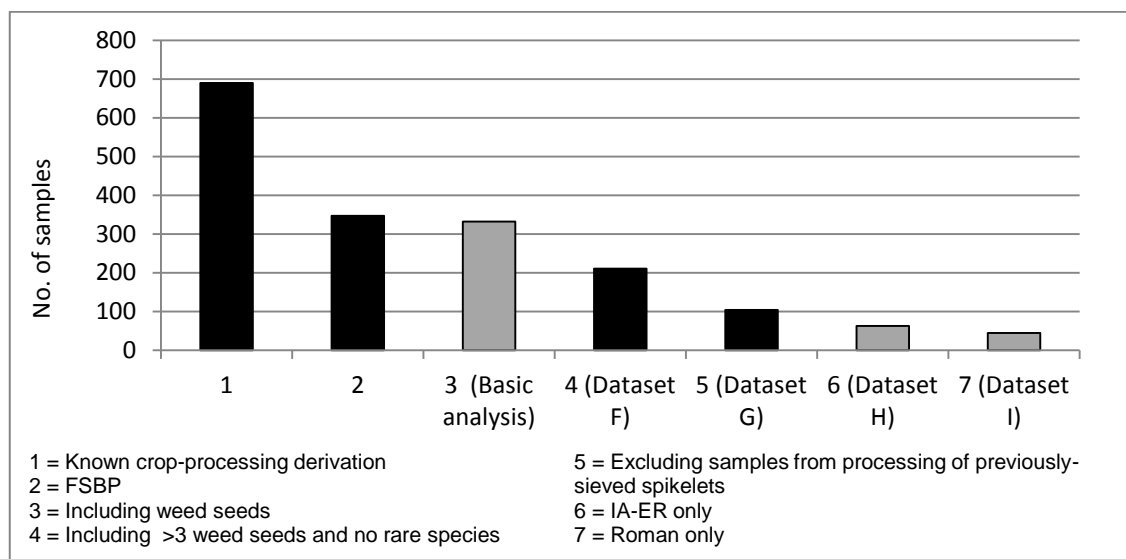


Fig. 6.46. Process of sample-elimination for analyses in this chapter.

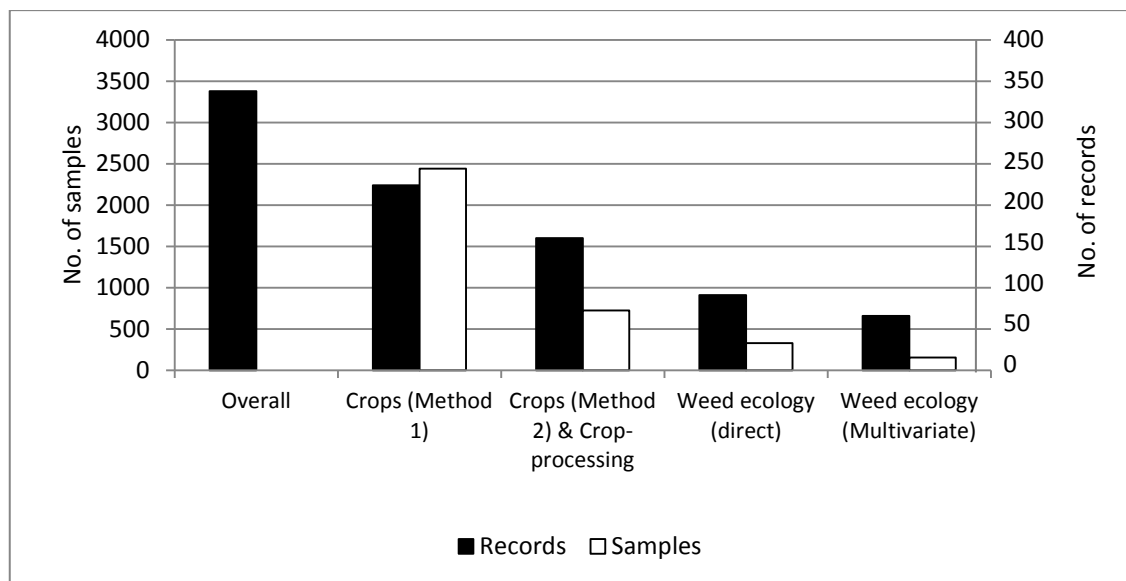


Fig. 8.1. Numbers of samples and records included in each of the major analyses.

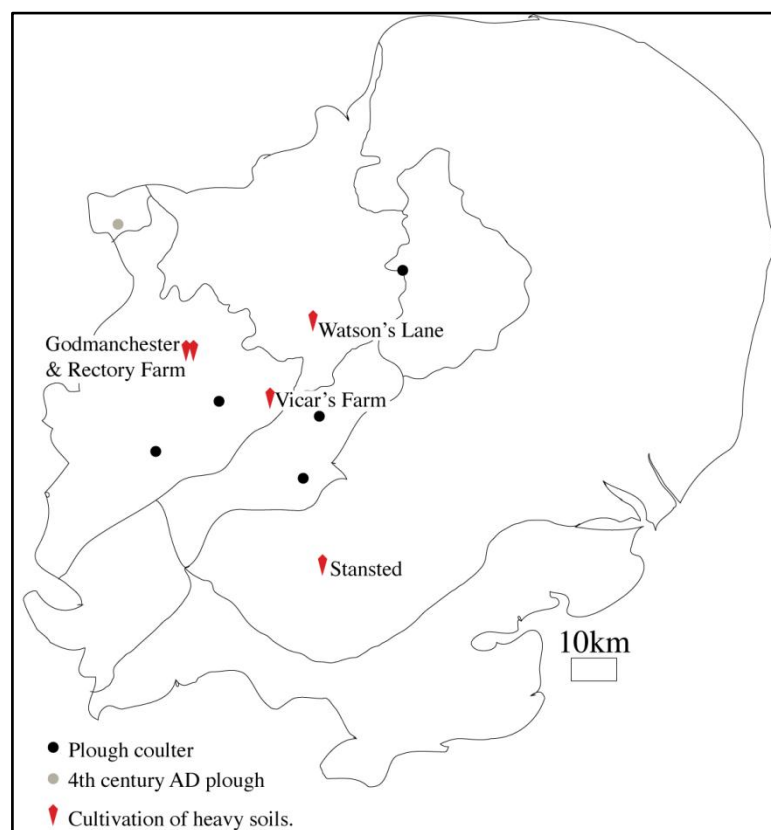


Fig. 8.2. Evidence for MR and LR cultivation of heavy soils: instances identified in this research and plough coulter identified through search of Heritage Gateway.

HER references: Cambs: MCB17091, CB15590, 06253; Beds: 11324; Essex: 1954; Norfolk: 33367.

Appendices.

Appendix 1. Record descriptions and bibliographic references

This appendix gives basic description and bibliographic references for all records included in this research. It consists of three tables. The first (A1.1) describes the records included in analyses in Chapters 3-6 and 7 – i.e. all those with fully quantified samples and clear dating. The sixth column of this table includes, where relevant, extra description of records identified consistently for distinctiveness in their arable practice. The second table (A1.2) describes quantified records which lacked precise dating (included in identification of crop species only). The third (A1.3) describes unquantified records, used only in identification of non-cereal species of potential economic importance (Chapter 7).

Table A1.1: Information on records considered for main analyses

Record	Period	Name	NGR	Site type	High Status? (and other relevant description)	Ritual or ceremonial?	Bibliographic references*
1	EIA	Stansted Airport	TL 5200 3320	Open settlement	-	-	Murphy, P., 2004, Carbonised plant remains. In: Havis, R. and Brooks, H. 2004. <i>Excavations at Stansted Airport, 1986-91. 1: Prehistoric and Romano-British</i> . East Anglian Archaeology 107. Chelmsford: Essex County Council, 65-68.
2	MIA	Stansted Airport	TL 5200 3320	?Open settlement	Elaborate enclosure (palisade and towers) within open settlement	-	
3	LIA	Stansted Airport	TL 5200 3320	Discrete enclosed settlement	Substantial enclosure	-	
4	ER	Stansted Airport	TL 5200 3320	Settlement periphery	-	-	
6	LIA	Stansted Airport	TL 5200 3320	Burial	-	Cremation burial	
7	LR	Stansted Airport	TL 5200 3320	Complex rural settlement	-	-	
8	EIA	Slough House Farm	TL 8720 0909	Ceremonial	-	Unoccupied enclosure	Murphy, P., 1998, Charred plant remains. In: Wallis, S. and Waughman, M.. <i>Archaeology and the landscape in the Lower Blackwater Valley</i> . East Anglian Archaeology 82. Chelmsford: Essex County Council, 196-204
9	MIA	Slough House Farm	TL 8721 0910	Discrete enclosed settlement	-	-	
10	LIA	Slough House Farm	TL 8722 0911	Discrete enclosed settlement	-	-	
11	ER	Slough House Farm	TL 8723 0912	Industrial (quarrying)	-	-	
12	EIA	Chigborough Farm	TL 8802 0822	Field system	-	-	Wiltshire, P.E.J. and Murphy, P. 1998, An analysis of plant microfossils and macrofossils from waterlogged deposits at Slough House and

Record	Period	Name	NGR	Site type	High Status? (and other relevant description)	Ritual or ceremonial?	Bibliographic references*
							Chigborough Farm. In: Wallis, S. and Waughman, M. 1998. <i>Archaeology and the Landscape in the Lower Blackwater Valley</i> . East Anglian Archaeology 82. Chelmsford, Essex County Council, 172-196
14	MIA	Fison Way	TL 9671 8495	?Ceremonial	-	-	Murphy, P., 1991, Plant remains and the environment. In: Gregory, T. <i>Excavations in Thetford 1980-1982, Fison Way. Vol. 1</i> . East Anglian Archaeology 53. Gressenhall: Norfolk Museums Service, 175-181 & Tables 41-42 (microfiche)
15	ER	Fison Way	TL 9671 8495	Discrete enclosed settlement	Minting and metalwork manufacture. Followed by elaborate enclosure surrounding high status or religious buildings.	-	
17	LR	Fison Way	TL 9671 8495	Settlement, unclear	-	-	
19	LIA	Ivy Chimneys, Witham	TL 8110 2360	Complex rural settlement	-	-	Murphy, P., 1999, Molluscan and plant remains. In: Turner, R. (ed). 1999. <i>Excavation of an Iron Age Settlement and Roman Religious Complex at Ivy Chimneys, Witham, Essex 1978-83</i> . East Anglian Archaeology 88. Chelmsford: Essex County Council, 224-228 & Tables 52-64 (microfiche)
21	ER	Ivy Chimneys, Witham	TL 8110 2360	Ceremonial	-	Structured/votive deposition of metal items	
22	LR	Ivy Chimneys, Witham	TL 8110 2360	Ceremonial	-	Temple/shrine, substantial structured/votive deposits	
23	MR	Ivy Chimneys, Witham	TL 8110 2360	Ceremonial	-	?Temenos enclosure and votive/structured deposits; also a large pond of possible symbolic significance	
24	EIA	North	TQ	Complex	-	-	Murphy, P., 1995, Botanical evidence. In: Wymer,

Record	Period	Name	NGR	Site type	High Status? (and other relevant description)	Ritual or ceremonial?	Bibliographic references*
		Shoebury	9310 8610	rural settlement			J.J. and Brown, N.R. 1995, <i>Excavations at North Shoebury: Eettlement and Economy in South-East Essex 1500BC-AD1500</i> . East Anglian Archaeology 75. Chelmsford, Essex County Council, 146-150
25	LIA	North Shoebury	TQ 9310 8610	Settlement, unclear	-	-	
26	ER	North Shoebury	TQ 9310 8610	Field system	-	-	
27	LR	North Shoebury	TQ 9310 8610	Field system	-	-	
16	LIA	North Shoebury	TQ 9310 8610	Burial	-	Cremation cemetery	
28	EIA	Asheldham Camp	TL 9720 0120	Ceremonial	Univallate enclosure enclosure (3.5 ha) constructed in EIA; ditches possibly silted up by time of MIA occupation. Set on plateau at centre of Dengie peninsula.		Murphy, P., 1991, Cereals and crop weeds. In: Bedwin, O. Asheldham Camp: an Early Iron Age Hillfort: the 1985 Excavations. <i>Essex Archaeology and History</i> 22, 31-34
29	MIA	Asheldham Camp	TL 9720 0120	Hillfort			
30	MIA	Haddenham V	TL 4210 7330	Open settlement	-	-	Jones, G., 2006 Cereal processing, household space and crop husbandry. In Evans, C. and Hodder, I. <i>Marshland Communities and Cultural Landscapes: from the Bronze Age to Present Day. The Haddenham Project, Volume. 2</i> . Cambridge: McDonald Institute and English Heritage, 248-55
32	LIA	Haddenham V	TL 4210 7330	Discrete enclosed settlement	-	-	
34	MR	Stebbing Green	TL 6900 2310	Maltings	-	-	Murphy, P., 1999, Charred plant remains and molluscs from Roman contexts. In: Bedwin, O. and Bedwin, M. 1999. <i>A Roman Malt House: Excavations at Stebbing Green, Essex 1988</i> . East Anglian Archaeology Occasional Paper 6. Chelmsford, Essex County Council, 19-21
36	MR	Beck Row, Mildenhall	TL 6880 7800	Maltings	-	-	Fryer, V., 2004, Charred plant macrofossils and other remains. In: Bales, E. 2004. <i>A Roman Maltings at Beck Row, Mildenhall, Suffolk</i> . East

Arable Practice in the Iron Age and Roman East of England.
Appendix 1. Record descriptions and bibliographic references.

Record	Period	Name	NGR	Site type	High Status? (and other relevant description)	Ritual or ceremonial?	Bibliographic references*
							Anglian Archaeology Occasional Paper 20. Ipswich: Suffolk County Council Archaeological Service, 49-54
37	ER	Orton Longueville	TL 1665 9525	Field system	-	-	Jones, G., 2001, The charred plant remains. In Mackreth, D.F. <i>Monument 97, Orton Longueville, Cambridgeshire: a Late Pre-Roman Iron Age and Early Roman farmstead</i> . East Anglian Archaeology 97. Manchester: Nene Valley Archaeological Trust, 82-83
38	MIA	Wardy Hill	TL 4780 8200	Complex rural settlement	Substantial enclosure	-	Murphy, P. 2003, Plant macrofossils. In: Evans, C. <i>Power and island communities: excavations at the Wardy Hill Ringwork, Coveney, Ely</i> . East Anglian Archaeology 103. Cambridge: Cambridge Archaeological Unit, 84-114
39	LIA	Wardy Hill	TL 4780 8200	Hillfort	Substantial enclosure (ditches and ramparts)	-	
40	MR	Barnack	TF 0810 0660	Industrial (Metal working & crop processing)	-	-	Alvey, R.C. and Dickson, C. in Simpson, W.G., 1994, The excavation of Romano-British aisled buildings at Barnack, Cambridgeshire. In: Simpson, W.G., Gurney, D.A., Neve, J. and Pryor, F.M.M. <i>The Fenland Project Number 7. Excavations in Peterborough and the Lower Welland Valley 1960- 69</i> . East Anglian Archaeology 61. Peterborough: Fenland Archaeological Trust in conjunction with the Fenland Project Committee and the Scole Archaeological Committee, 123-124
41	ER	London Road, Godmanchester	TL 2490 6990	Complex rural settlement	-	-	Smith W., 2003, Charred plant remains. In: Jones A. (ed). <i>Settlement, Burial and Industry in Roman Godmanchester. Excavations in the extra-mural area: The Parks 1998, London Road 1997-8, and Other Investigations</i> . Oxford: BAR (British Series) 346/ BUFAU Monograph Series 6, 160-168
42	MR	London Road, Godmanchester	TL 2490 6990	Small town	-	-	
43	LR	London Road, Godmanchester	TL 2490 6990	Industrial (iron working)	-	-	
45	LIA	Billericay	TL	Burial	-	Cremation	Hinton, P., 1990, Charred seeds. In: Rudling, D.R.

Record	Period	Name	NGR	Site type	High Status? (and other relevant description)	Ritual or ceremonial?	Bibliographic references*
		School	6750 9380			burials	Late Iron Age and Roman Billericay: excavations 1987. <i>Essex Archaeology and History</i> 21, 43-44
46	MR	Billericay School	TL 6750 9380	Small town	-	-	
47	LR	Billericay School	TL 6750 9380	Small town	-	-	
48	LIA	Folly Lane, St Albans	TL 1415 0786	Burial	-	Samples from high status 'shaft burial' and assoated features	Murphy, P. and Fryer, V., 1999, Plant macrofossils. In: Niblett, R. 1999. <i>The Excavation of a Ceremonial Site at Folly Lane, Verulamium</i> . London: Britannia Monograph Series 14, 384-392
49	LIA	Folly Lane, St Albans	TL 1415 0786	Discrete enclosed settlement	-	-	
50	MR	Folly Lane, St Albans	TL 1415 0786	Ceremonial	-	Part of 'ceremonial complex' including theatre, bathhouse and temple	
51	LR	Folly Lane, St Albans	TL 1415 0786	Major town	-	-	
53	EIA	Eynesbury	TL 1800 5850	Ceremonial	-	Pit-alignment enclosure with few internal features	Clapham, A.J., 2004, Evidence for the economy and environment: charred plant remains. In: Ellis, C.J. <i>A Prehistoric Ritual Complex at Eynesbury, Cambridgeshire. Excavation of a Multi-Period Site in the Great Ouse Valley, 2000-2001</i> . East Anglian Archaeology Occasional Paper 17. Salisbury: the Trust for Wessex Archaeology Ltd, 71-79
55	MIA	Spong Hill	TF 9810 1950	Settlement periphery	-	-	Murphy, P., 1995, Plant remains from Iron Age, Roman and early Saxon contexts. In: Rickett, R. <i>The Anglo-Saxon Cemetery at Spong Hill, North</i>

Arable Practice in the Iron Age and Roman East of England.
Appendix 1. Record descriptions and bibliographic references.

Record	Period	Name	NGR	Site type	High Status? (and other relevant description)	Ritual or ceremonial?	Bibliographic references*
56	MR	Spong Hill	TF 9810 1950	Complex rural settlement	-	-	<i>Elmham, Part VII: the Iron Age, Roman and Early Saxon Settlement.</i> East Anglian Archaeology 73. Gressenhall: Norfolk Museums Service, 140-1 & Fiche Table 18
57	LR	Spong Hill	TF 9810 1950	Complex rural settlement	-	-	
58	ER	Balkerne Lane, Colchester	TL 9900 2500	Major Town	-	-	Murphy, P., 1984, The charred cereals from Building 41. In: Crummy, P. <i>Excavations at Lion Walk, Balkerne Lane, and Middleborough, Colchester, Essex.</i> Colchester Archaeological Report 3. Colchester: Colchester Archaeological Trust, Appendix 11, 341-357 (microfiche)
60	LIA	Barnham	TL 8660 7770	Ceremonial	Enclosure with very substantial ditches		Murphy, P. in Martin, E., 1993, The Iron Age enclosure at Barnham. In: <i>Settlements on Hill-Tops: Seven Prehistoric Sites in Suffolk.</i> East Anglian Archaeology 65. Ipswich: Suffolk County Council Archaeological Service, 18 & 21
61	MR	St Nicholas Street, Thetford	TL 8687 8325	Settlement, unclear	-	-	Fryer, V. and Murphy, P. in Andrews, P. 1999, Excavations at St Nicholas' Street, 1990, Site 1134. In: Andrews, P. and Penn, K. (eds). 1999 <i>Excavations in Thetford, North of the River, 1989-90.</i> East Anglian Archaeology 87. Gressenhall: Norfolk Museums Service, 60-5
63	ER	West Stow	TL 7970 7130	Industrial (pottery)	-	-	Murphy, P., 1985, The cereals and crop weeds. In: West, S., 1985. <i>West Stow. The Anglo-Saxon Village. Volume 1.</i> East Anglian Archaeology 24. Ipswich: Suffolk County Council archaeological Service, 100-108
64	ER	Boxfield farm	TL 2660 2590	Discrete enclosed settlement	-	-	Murphy, P., 1999, Plant remains and other macrofossils. In: Going, C.J. and Hunn, J.R. 1999. <i>Excavations at Boxfield Farm, Chells, Stevenage, Hertfordshire.</i> Hertfordshire Archaeological Trust Report 2. Hertford: Hertford Archaeological Trust, 136-143
65	MR	Boxfield farm	TL 2660 2590	Discrete enclosed settlement	-	-	

Record	Period	Name	NGR	Site type	High Status? (and other relevant description)	Ritual or ceremonial?	Bibliographic references*
66	LIA	Tort Hill, West	TL 1720 8460	Complex rural settlement	-	-	Monckton, A. 1998, Charred plant remains. In: Ellis, P., Hughes, G., Leach, P., Mould, C. and Sterenberg, J. 1998. <i>Excavations Alongside Roman Ermine Street, Cambridgeshire, 1996. The Archaeology of the A1(M) Alconbury to Peterborough road scheme.</i> Oxford: BAR (British Series) 276/ BUFA Monograph Series 1, 92-97
67	ER	Tort Hill, West	TL 1720 8460	Industrial (pottery)	-	-	
68	LR	Tort Hill, East	TL 1720 8460	Field system	Painted wall plaster recovered	-	
69	LR	Vinegar Hill	TL 1860 7780	Settlement periphery	-	-	
70	MR	Paston	TL 1938 0299	Complex rural settlement	-	-	Smith, W. in Coates G, Hancocks A and Ellis P., 2001, A Romano-British Rural site at Paston, Peterborough: Archaeological Investigations 1996-7. In: Ellis, P., Coates, G., Cuttler, R. and Mould, C. <i>Four sites in Cambridgeshire. Excavations at Podge Hole Farm, Paston, Longstanton and Bassingbourn, 1996-7.</i> Oxford: BAR (British Series) 322, 53-55
71	LR	Paston	TL 1938 0299	Complex rural settlement	-	-	
72	MIA	Wendons Ambo	TL 5070 3600	Open settlement	-	-	Jones, G., Halstead, P. and Morse, V., 1982, The carbonised seeds. In: Hodder, I. <i>Wendons Ambo The Excavations of an Iron Age and Romano-British Settlement. The Archaeology of the M11, Volume 2.</i> London: Passmore Edwards Museum, 50-54
73	ER	Wendons Ambo	TL 5070 3600	Field system	-	-	
74	MR	Wendons Ambo	TL 5070 3600	Complex rural settlement	Stone-built buildings including 'villa'.	-	
75	LR	Wendons Ambo	TL 5070 3600	Complex rural settlement	Stone-built buildings including 'villa'.	-	
76	ER	Brampton	TG 2230 2350	Industrial (pottery)	-	-	Jones, A. in Green, C., 1977, Excavations in the Roman Kiln Field at Brampton 73-4. In: Wade-Martins, P. <i>Norfolk.</i> East Anglian Archaeology 5.

Arable Practice in the Iron Age and Roman East of England.
Appendix 1. Record descriptions and bibliographic references.

Record	Period	Name	NGR	Site type	High Status? (and other relevant description)	Ritual or ceremonial?	Bibliographic references*
							Gressenhall: Norfolk Museums Service, 90-92
77	MR	Scole	TM 1480 7880	Small town	-	-	Jones A.K.G. in Rogerson A., 1977, Excavations at Scole 1973. In: Wade-Martins, P. <i>Norfolk</i> . East Anglian Archaeology 5. Gressenhall: Norfolk Museums Service, 218-21
78	EIA	Yarl's Wood, Clapham	TL 0347 5625	Open settlement	-	-	Robinson, J., 2004, Environmental Samples. In: Luke, M. Evidence for prehistoric settlement and medieval activity at Yarl's Wood, Clapham, <i>Bedfordshire Archaeology</i> 25, 14-15
80	LIA	Scotland Farm	TL 3662 6016	Discrete enclosed settlement	-	-	Giorgi, J., 2008, Plant Remains. In: Abrams, J. and Ingham, D. <i>Farming on the edge: archaeological evidence from the clay uplands to the west of Cambridge</i> . East Anglian Archaeology 123. Bedford: Albion Archaeology, Appendix 15 (CD-Rom)
81	MIA	Bushmead Road	TL 1640 5930	Field system	-	-	Druce, D., 2008, Charred plant remains. In: Stansbie, D. Excavation of a Middle Iron Age enclosure at Bushmead Road, Eaton Socon. <i>Proceedings of the Cambridge Antiquarian Society</i> XCVII, 48-49
82	MR	Parnwell	TF 2200 0110	Discrete enclosed settlement	-	-	Druce, D., 2007, Charred Plant Remains. In: Webley, L. Prehistoric, Roman and Saxon Activity on the fen hinterland at Parnwell, Peterborough, <i>Proceedings of the Cambridge Antiquarian Society</i> XCVI, 79-114
84	ER	Eaton Socon	TL 1680 5810	Field system	-	-	Stevens, C. and Clapham, A., 2005, <i>A Romano British site at Eton Socon, Cambridgeshire: specialist report. Charred and waterlogged plant macrofossils.</i> http://www.wessexarch.co.uk/projects/county/cambridgeshire/eaton-socon
85	MR	Eaton Socon	TL 1680 5810	Field system	-	-	
86	LR	Eaton Socon	TL 1680 5810	Field system	-	-	
87	MR	Tunbridge	TL	Field system	-	-	Nicholson, K., 2008, <i>Archaeobotanical Samples</i>

Arable Practice in the Iron Age and Roman East of England.
Appendix 1. Record descriptions and bibliographic references.

Record	Period	Name	NGR	Site type	High Status? (and other relevant description)	Ritual or ceremonial?	Bibliographic references*
		Lane, Bottisham	5460 6090				<i>from Tunbridge Lane, Bottisham (AS1011)</i> . Report prepared for Archaeological Solutions Ltd.
88	LR	Tunbridge Lane, Bottisham	TL 5460 6090	Field system	-	-	
89	MIA	Shillington Bury	TL 1256 2356	Complex rural settlement	-	-	Scaife, R., 2004, Plant Macrofossils. In: Dawson, M. <i>Archaeology in the Bedford Region</i> . Oxford: BAR (British Series) 373, 267-274
90	MR	Ruxox	TL 0526 3630	Complex rural settlement	-	-	
91	LR	Ruxox	TL 0526 3630	Complex rural settlement	-	-	
92	ER	Kempston	TL014 0 4785	Complex rural settlement	Stone-built buildings	-	Fryer, V., 2005, The environmental evidence. In: Walker, C. and Maull, A. <i>An Archaeological Excavation at King William Road, Bedfordshire, August 2005</i> . Northamptonshire Archaeology Unpublished Report 05/146
93	LR	Kempston	TL014 0 4785	Complex rural settlement	-	-	
94	LR	Kempston	TL014 0 4785	Burial	-	Inhumation cemetery	
95	LR	Newmans End	TL 5150 2180	Field system	-	-	Carruthers, W. 2000, Charred plant remains. In: Guttmann, E.B.A. <i>Excavations on the Hatfield Heath to Matching Tye rising main, North-West Essex. Essex Archaeology and History</i> 31, 18-32
96	LR	Great Holt's Farm	TL 8643 1205	Complex rural settlement	Stone-built buildings including 'villa' and bathhouse	-	Murphy, P., 2003, Plant macofossils. In: Germany, M. <i>Excavations at Great Holt's Farm, Boreham, Essex, 1992-94</i> . East Anglian Archaeology 105. Chelmsford: Essex County Council, 204-211
97	MIA	Gallows Hill, Thetford	TL 8643 8684	Ceremonial		Large 'turf stack' mound'; no evidence of burial.	Murphy, P. in Lawson, A.J. and Le Hegarat, R. 1986, The excavation of a mound on Gallows Hill, Thetford, 1978-9. 65-9. In: Lawson, A.J. <i>Barrow excavations in Norfolk 1950-82</i> . East Anglian Archaeology 29. Gressenhall: Norfolk Museums

Arable Practice in the Iron Age and Roman East of England.
Appendix 1. Record descriptions and bibliographic references.

Record	Period	Name	NGR	Site type	High Status? (and other relevant description)	Ritual or ceremonial?	Bibliographic references*
							Service, D.13-14, E.1-2 (microfiche 1)
98	ER	Culver Street, Colchester	TL 9500 2500	Major town	-	-	Murphy, P., 1992, Environmental Studies, Culver Street. In: Crummy, P. <i>Excavations at Culver street, the Gilbert School and Other Sites 1971-85</i> . Colchester Archaeological Report 6.. Colchester: Colchester Archaeological Trust, 281-284, 700-727 (microfiche) (Culver Street) 728-730 (microfiche) (Gilbert School) 330-333 (Cups Hotel).
99	MR	Culver Street, Colchester	TL 9500 2500	Major town	-	-	
105	ER	Culver Street, Colchester	TL 9500 2500	Military	-	-	
101	ER	Gilbert School, Colchester	TL 9500 2500	Major town	-	-	
103	ER	Cups Hotel, Colchester	TL 9500 2500	Major Town	-	-	
104	LR	Caister-on-Sea	TG 5170 1230	Military	-	-	Murphy, P., 1993, Botanical Remains. In: Darling, M.J. and Gurney, D. <i>Caister-on-Sea Excavations by Charles Green, 1951-55</i> . East Anglian Archaeology 60. Gressenhall: Norfolk Museums Service, 239 & Table 58 (microfiche)
106	EIA	Rectory Road, Orsett	TQ 6460 8100	Settlement, unclear	-	-	Murphy, P., 1988, Cereals and crop weeds. In: Wilkinson, T.J. <i>Archaeology and Environment in South Essex: Rescue Archaeology Along the Grays By-pass, 1979/80</i> , East Anglian Archaeology 42. Chelmsford: Essex County Council, 99-100
107	LR	Icklingham	TL 7832 7192	Industrial (pottery)	-	-	Murphy, P., 1978, <i>Icklingham: Fruits and seeds</i> . Ancient Monuments Laboratory Report (Old Series) 2521
108	LR	Godmanchester (Unigate)	TL 2470 7030	?Small town	-	-	Arthur, J.R.B., 1975, <i>Unigate site, Godmanchester, Huntingdonshire: Seed Report</i> . Ancient Monuments Laboratory Report (Old Series) 1799
111	EIA	Lingwood Farm, Cottenham	TL 4520 1720	Open settlement	-	-	Murphy, P., 1998, <i>Fenland Management Project. Plant macrofossils (wood, fruits and seeds) from an Early Iron age site at Lingwood Farm, Cottenham</i> ,

Record	Period	Name	NGR	Site type	High Status? (and other relevant description)	Ritual or ceremonial?	Bibliographic references*
							<i>Cambridgeshire. Ancient Monuments Laboratory Report (New Series) 49/98</i>
113	MR	Snettisham Bypass	TF 6789 3300	Complex rural settlement	-	-	Murphy, P., 1991, <i>Snettisham By-pass, Norfolk: Plant macrofossils from Roman Contexts</i> . Ancient Monuments Laboratory report (New Series 39/91). Flitcroft, M., 2001, <i>Excavation of a Romano-British Settlement on the A149 Snettisham Bypass, 1989</i> . East Anglian Archaeology 93. Gressenhall: Norfolk Museums Service, 77.
115	ER	Pakenham	TL 9335 6985	Military intra-mural	Neronian foundation on the boundary of the newly absorbed Icenic Client Kingdom.	-	Murphy, P., and Wiltshire, P.E.J., 1989, <i>Pakenham, Suffolk (PKM027): Environmental and Economic Studies</i> . Ancient Monuments Laboratory Report (New Series) 99/89 Plouviez, J., 1995, A hole in the distribution map: the characteristics of small towns in Suffolk. In: Brown, N. <i>Roman Towns in Eastern England and Beyond</i> . Oxford: Oxbow Books.
117	MR	Pakenham	TL 9335 6985	Small town	-	-	
118	LR	Pakenham	TL 9335 6985	Small town	-	-	
119	LIA	Baldock BAL1	TL 2500 3410	Burial	-	-	Murphy, P., 1990, <i>Baldock, Hertfordshire: Land Molluscs, Carbonised Cereals and Crop Weeds, Charcoal, Avian Eggshell and Coprolites from Prehistoric and Roman Contexts</i> . Ancient Monuments Laboratory Report (New Series) 123/90
120	LIA	Baldock BAL 2	TL 2515 3390	Ceremonial	-	Interpreted as 'ceremonial way' between settlement and burial zones	
123	LR	Southery	TL 8110 5230	Isolated features	-	-	Murphy, P., 1979, <i>Roman Cereals and Crop Weeds; Southery, Norfolk</i> . Ancient Monuments Laboratory Report (Old Series) 2950
124	LIA	Elm's Farm, Heybridge	TL 8470 0820	Complex rural settlement	-	-	Monckton, A., 2000, <i>Charred Plant Remains from the Late Iron Age and Roman settlement at Elm's Farm, Heybridge, Essex</i> . Ancient Monuments Laboratory Report (New Series) 77/2000
125	ER	Elm's Farm,	TL	Small town	-	-	

Record	Period	Name	NGR	Site type	High Status? (and other relevant description)	Ritual or ceremonial?	Bibliographic references*
		Heybridge	8470 0820				Atkinson, M. and Preston, S.J., 1998, The Late Iron Age and Roman Settlement at Elm's Farm, Heybridge, Essex. Excavations 1993-5: an Interim Report. <i>Britannia</i> 29, 85-110
126	MR	Elm's Farm, Heybridge	TL 8470 0820	Small town	-	-	
129	MIA	Springfield Lyons	TL 7360 0810	Isolated features	-	-	Murphy, P., 1990, <i>Springfield Lyons, Chelmsford, Essex: Carbonised Plant Remains from Neolithic, Late Bronze Age, Iron Age, Roman, Early- and Late-Saxon Contexts</i> . Ancient Monuments Laboratory Report (New Series) 11/90
131	MIA	West Stow	TM 7970 7135	Open settlement	-	-	Murphy, P., 1983, <i>Carbonised cereals and crop weeds. West Stow, Suffolk</i> . Ancient Monuments Laboratory Reports (Old Series) 4061 West, S., 1990, <i>West Stow: the Prehistoric and Romano-British Occupations</i> . East Anglian Archaeology 48. Bury St Edmunds: Suffolk County Council Archaeological Service
132	EIA	Valley Belt, Trowse	TG 2745 0605	Field system	-	-	Murphy, P., 1992 <i>Norwich Southern By-pass: Plant Remains from Beaker, Bronze Age, Iron Age, Romano-British and Late Saxon Contexts</i> . Ancient Monuments Laboratory Report (New Series) 20/92
133	MR	Valley Belt, Trowse	TG 2745 0605	Industrial (iron working)	-	-	
134	MIA	Harford Farm	TG 2248 0428	Open settlement	-	-	
135	MIA	Stanway	TL 9560 2810	Discrete enclosed settlement	-	-	Murphy, P., 1992, <i>Stanway, Essex: Plant Remains from Late Neolithic/Early Bronze and Middle Iron Age Pits and Late Iron Age Burials</i> . Ancient Monuments Laboratory Report (New Series) 29/92
136	LIA	Stanway	TL 9560 2810	Burial	High status burials set within enclosure		
137	MIA	Lodge Farm, St Osyth	TM 1355	Complex rural	-	-	Fryer, V., 2007, Charred plant macrofossils. In: Germany, M. 2007 <i>Neolithic and Bronze Age</i>

Record	Period	Name	NGR	Site type	High Status? (and other relevant description)	Ritual or ceremonial?	Bibliographic references*
			1545	settlement			<i>Monuments and Middle Iron Age Settlement at Lodge Farm, St Osyth, Essex.</i> East Anglian Archaeology 177. Chelmsford: Essex County Council, 90-94
138	EIA	Prickwillow Road, Ely	TL 5530 8130	Settlement periphery	-	Structured animal bone deposits	Carruthers, W.J., 2003, The charred plant remains. In: Atkins, R. and Mudd, A., <i>An Iron Age and Romano-British settlement at Prickwillow Road, Ely, Cambridgeshire: Excavations 1999-2000, Proceedings of the Cambridge Antiquarian Society</i> XCII, 44-48.
139	MIA	Prickwillow Road, Ely	TL 5530 8130	Discrete enclosed settlement	-	Structured animal bone deposits	
140	MR	Prickwillow Road, Ely	TL 5530 8130	Settlement periphery	Wall plaster	Structured animal bone deposits	
141	LR	Prickwillow Road, Ely	TL 5530 8130	Settlement periphery	-	Structured animal bone deposits	
142	LIA	Kilverstone	TL 8840 8389	Settlement periphery	-	Human bone and red deer antler deposits	Ballantyne, R., 2006 Environmental Remains. In: Garrow, D. <i>Excavations at Kilverstone, Norfolk : an Episodic Landscape History : Neolithic Pits, Later Prehistoric, Roman and Anglo-Saxon Occupation, and Later Activity.</i> East Anglian Archaeology 113. Cambridge: Cambridge Archaeological Unit, 160-162, 230-240
143	ER	Kilverstone	TL 8840 8389	Complex rural settlement	-	Infant burials	
144	MR	Kilverstone	TL 8840 8389	Industrial (metal working)	-	Possibly structured metalwork deposits	
145	LIA	Little Dunmow Road	TL 5662 2225	Complex rural settlement	-	-	Carruthers, W. 2007, Charred Plant remains. In: Timby, J., Brown, R., Biddulph, E., Hardy, A. and Powell, A., <i>A Slice of Rural Essex. Archaeological discoveries from the A120 between Stansted Airport and Braintree.</i> Oxford: Oxford Wessex Archaeology Monograph No. 1, CD-Rom.
146	LIA	Rayne Roundabout	TL 7117 2229	Settlement periphery	-	-	
147	MR	Rayne Roundabout	TL 7117 2229	Settlement periphery	-	-	

Arable Practice in the Iron Age and Roman East of England.
Appendix 1. Record descriptions and bibliographic references.

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148	ER	Strood Hall	TL 6009 2168	Complex rural settlement	-	-	
149	MR	Strood Hall	TL 6009 2168	Complex rural settlement	-	-	
151	LR	Strood Hall	TL 6009 2168	Complex rural settlement	-	-	
153	LR	Middleton	TF 6540 1440	Industrial (saltern)	-	-	Murphy, P., 2001, Plant Macrofossils. In: Lane, T. and Morris, E. <i>A Millennium of Salt-Making: Iron Age and Roman Salt-Making in Fenland</i> . Sleaford: Lincolnshire Archaeology and Heritage Reports Series No. 4, 233-235
154	MR	Nordelph	TL 5236 9910	Industrial (saltern)	-	-	Murphy, P. 2001, Charred plant macrofossils and molluscs from Roman Saltern Deposits at Nordelph, Norfolk, and the Bourne-Morton Canal, Lincolnshire. In: Lane, T. and Morris, E. <i>A Millennium of Salt-Making: Iron Age and Roman Salt-Making in Fenland</i> . Sleaford: Lincolnshire Archaeology and Heritage Reports Series No. 4, 320-322
155	LR	Mucking	TQ 6720 8040	Complex rural settlement	-	-	Van der Veen, M., 1988, <i>Carbonised Grain from a 'Corn-Drier' in Mucking, Essex</i> . Ancient Monuments Laboratory Report (Old Series) 3834
156	MIA	Chipping Hill	TL 8200 1510	Hillfort	Bivallate enclosure. Inner ditch (9.5 ha) constructed (with timber rampart and low turf wall) in LBA or EIA but occupation dates to MIA. Outer ditch (c. 26 ha) may be of later (Saxon) date. Located on slope.		Williams, V. and Murphy, P., 1993, The carbonised plant remains. In: Rodwell, W. <i>The Origins and Development of Witham, Essex: a Study in Settlement and Fortification, Prehistoric to Medieval</i> . Oxford: Oxbow Monograph 26, 112-117 Essex HER (Record 8106).
157	MIA	West Fen Road, Ely	TL 5290 8080	Complex rural settlement	-	-	Ballantyne, R. M., 2005, Plants and seeds. In: Mortimer, R.W., Regan, R. and Lucy, S., (eds) <i>The Saxon and Medieval Settlement at West Fen Road</i> ,

Record	Period	Name	NGR	Site type	High Status? (and other relevant description)	Ritual or ceremonial?	Bibliographic references*
							<i>Ely: The Ashwell Site</i> . East Anglian Archaeology 110. Cambridge: Cambridge Archaeological Unit, 100-112
159	EIA	Stansted Airport	TL 5170 2180	Open settlement	-	-	Carruthers, W., 2008, Charred, mineralised and waterlogged plant remains. In: Cooke, N., Brown, F. and Phillpotts, C. <i>From Hunter Gatherers to Huntsmen: a History of the Stansted Landscape</i> . Salisbury: Framework Archaeology Monograph No. 2, Chapter 34 (CD Rom)
160	MIA	Stansted Airport	TL 5170 2180	Open settlement	-	-	
161	LIA	Stansted Airport	TI 5200 2240	Complex rural settlement	-	-	
163	ER	Stansted Airport	TI 5200 2240	Complex rural settlement	-	-	
164	MR	Stansted Airport	TL 5510 2230	? Discrete enclosed settlement	-	-	
165	LR	Stansted Airport	TL 5510 2230	Complex rural settlement	-	-	
166	MIA	Stansted Airport	TL 5480 2210	Settlement periphery	-	-	
167	MIA	Bourn Airfield	TL 5342 5980	Discrete enclosed settlement	-	-	As Record 80.
168	ER	Bourn Airfield	TL 5342 5980	Field system	-	-	
169	MIA	Scotland Farm	TL 3660 6000	Complex rural settlement	-	-	
170	MR	Ash Plantation	TL 3370	Discrete enclosed	-	-	

Arable Practice in the Iron Age and Roman East of England.
Appendix 1. Record descriptions and bibliographic references.

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			5980	settlement			
171	MR	Childerley Gate	TL 3590 5980	Complex rural settlement	-	-	
172	LR	Childerley Gate	TL 3590 5980	Complex rural settlement	-	-	
174	EIA	Biddenham Loop	TL 0200 4900	Open settlement	-	Structured animal bone deposits, some also including human bone	Pelling, R., 2008, Charred Plant Remains. In Luke, M. <i>Life in the Loop: Investigation of a Prehistoric and Romano-British Landscape at Biddenham Loop, Bedfordshire</i> . East Anglian Archaeology 125. Bedford: Albion archaeology, 154-156
175	LIA	Biddenham Loop	TL 0200 4900	Complex rural settlement	-	Possible shrine, structured animal bone deposits, burials in landscape (including a cremation cemetery)	
176	MR	Biddenham Loop	TL 0200 4900	Complex rural settlement	-	-	
178	MR	Willington to Steppingley Site 13	TL 1039 4554	Discrete enclosed settlement	-	-	Carruthers, W., nd. Charred, mineralised and waterlogged plant remains report. In: <i>Willington to Steppingley 900mm gas pipeline. Archaeological Evaluation, Excavation and Watching Brief, 2002</i> . Network Archaeology Unpublished Report 182
179	LR	Willington to Steppingley Site 13	TL 1039 4554	Discrete enclosed settlement	-	-	
180	MIA	Willinton to Steppingley Site 14	TL 1025 4536	Complex rural settlement	-	-	
181	LIA	Willinton to Steppingley Site 14	TL 1025 4536	Complex rural settlement	-	-	

Arable Practice in the Iron Age and Roman East of England.
Appendix 1. Record descriptions and bibliographic references.

Record	Period	Name	NGR	Site type	High Status? (and other relevant description)	Ritual or ceremonial?	Bibliographic references*
182	MIA	Willinton to Steppingley Site 23	TL 0824 4340	Discrete enclosed settlement	-	-	Carruthers, W., nd. The charred plant remains. In: <i>Huntingdon to Willington pipeline. Archaeological Report.</i> Network Archaeology Unpublished Report
183	EIA	Willington to Steppingley Site 52	TL 1077 3625	Open settlement	-	-	
184	MIA	Brewer's Hall Farm	TL 1126 5245	Settlement periphery	-	-	
185	LIA	Brewer's Hall Farm	TL 1130 5290	Discrete enclosed settlement	-	-	
186	ER	Brewer's Hall Farm	TL 1130 5290	Isolated features	-	-	
187	LR	Little Staughton	TL 0990 6125	Field system	-	-	Monk, M. 1981, Cereal grain. In: Partridge, C. <i>Skeleton Green: a Late Iron Age and Romano-British Settlement.</i> London: Britannia Monograph 2, 204-205 Giorgi, J. 2005, The charred plant remains. In Hunn, J. <i>Lob's Hole, Stevenage: a Romano-British Farmstead.</i> Letchworth: Heritage Network Monograph 1, 116-124, 177-179
189	LIA	Skeleton Green	TL 3800 3000	Discrete enclosed settlement	Continental imports, pre-Conquest graffiti, coins	-	
190	EIA	Lobs Hole, Stevenage	TL 3630 2635	Isolated features	-	-	
191	LIA	Lobs Hole, Stevenage	TL 3630 2635	Isolated features	-	-	
192	ER	Lobs Hole, Stevenage	TL 3630 2635	Discrete enclosed settlement	-	-	
193	MR	Lobs Hole, Stevenage	TL 3630 2635	Discrete enclosed settlement	-	Cremation burial, possible structured ceramic deposit	

Record	Period	Name	NGR	Site type	High Status? (and other relevant description)	Ritual or ceremonial?	Bibliographic references*
						(or further cremation burial)	
194	EIA	Fairfield Park A	TL 2040 3480	Open settlement	-	-	Pelling, R., 2007, Charred plant remains. In: Webley, L. Timby, J. and Wilson, M., <i>Fairfield Park: Later Prehistoric Settlement in the Eastern Chilterns</i> . Oxford Archaeology Unit and Bedfordshire County Council, 117-128
195	EIA	Fairfield Park B	TL 2040 3540	Open settlement	-	-	
196	EIA	Spa Lane, Oulton	TG 1350 2950	Settlement, unclear	-	-	Martin, G., in prep. Botanical Remains. In: Cater, D. and Wilson, T. <i>Bacton to Kings Lynn Pipeline</i> . East Anglian Archaeology
200	LIA	Knobbs Farm, Somersham	TL 3689 7934	Field system	-	-	Ballantyne, R., 2004, Environmental Remains. In: Wills, J. <i>Knobbs Farm, Somersham, Cambridgeshire, Phase 4: an Archaeological Excavation</i> . Cambridge Archaeological Unit Unpublished Report 632, 34-36
201	ER	Knobbs Farm, Somersham	TL 3689 7934	Field system	-	-	
202	ER	Greenhouse Farm, Cambridge	TL 4919 5949	Industrial (pottery)	-	-	Ballantyne, R., 2000, The Environmental Remains. In: Gibson, D. and Lucas, G. <i>Archaeological Excavations at The North Field, Greenhouse Farm, Cambridge</i> . Cambridge Archaeological Unit Unpublished Report 354, 76-85 Gibson, D. and Lucas, L., 2002, Pre-Flavian kilns at Greenhouse Farm and the social context of Early Roman pottery production in Cambridgeshire. <i>Britannia</i> 33, 95-127.
203	EIA	Eye Quarry, Peterborough	TF 2380 0220	Open settlement	-	-	Stevens, C. 1998, The bulk environmental samples. In: Gibson, D. and White, L. 1998 <i>Archaeological Investigations of Late Bronze Age to Early Iron Age settlement and Romano-British enclosures at Eye Quarry, Peterborough</i> . Cambridge Archaeological Unit Unpublished Report 268, 59-68
204	MIA	Eye Quarry, Peterborough	TF 2380 0220	Open settlement	-	-	
206	MIA	Fen Drayton	TL 3378	Discrete enclosed	-	-	Stevens, C. 1995, Environmental Remains. In: Mortimer, R. <i>Archaeological Excavations at Low</i>

Arable Practice in the Iron Age and Roman East of England.
Appendix 1. Record descriptions and bibliographic references.

Record	Period	Name	NGR	Site type	High Status? (and other relevant description)	Ritual or ceremonial?	Bibliographic references*
			6902	settlement			<i>Fen, Fen Drayton, Cambridgeshire.</i> Cambridge Archaeological Unit Unpublished Report 156, 40-44
207	MIA	Watons Lane, Ely	TL 5284 7631	Discrete enclosed settlement	-	-	Stevens, C., 1996, Environmental remains. In: Lucas, G. and Hinman, M. <i>Archaeological Excavations of an Iron Age Settlement and Romano British enclosures at Watson's lane, Little Thetford, Ely, Cambridgeshire.</i> Cambridge Archaeological Unit Unpublished Report 194.
208	MR	Watons Lane, Ely	TL 5284 7631	Complex rural settlement	-	-	
209	EIA	Bradley Fen, Whittlesey	TL 2337 9773	Open settlement	-	-	De Vareilles, A., 2006, Environmental samples. In: Gibson, D. and Knight, M. 2006 <i>Bradley Fen Excavations 2001-2004, Whittlesey, Cambridgeshire.</i> Cambridge Archaeological Unit Unpublished Report 733, 115-123
211	EIA	Striplands Farm	TL 3932 6661	Open settlement	-	-	De Vareilles, A., 2005, Bulk Environmental Samples. In: Patten, R. and Evans, C. 2005 <i>Striplands Farm, West Longstanton, Cambridgeshire. An Archaeological Excavation.</i> Cambridge Archaeological Unit Unpublished Report 703.67-72
212	LIA	Addenbrooke's	TL 4620 5530	Complex rural settlement	-	-	Roberts, K., 2008, Environmental bulk samples. In: Evans, C., Mackay, D. and Webley, L. <i>Borderlands: the Archaeology of the Addenbrooke's Environs, South Cambridgeshire. New Archaeologies of the Cambridge Region 1.</i> Oxford: Oxbow, 110-123
213	ER	Addenbrooke's	TL 4620 5530	Complex rural settlement	-	-	
214	LIA	Addenbrooke's	TL 4620 5530	Complex rural settlement	-	-	
215	ER	Addenbrooke's	TL 4620 5530	Burial	-	Mixed inhumation and cremation cemetery	
216	EIA	Manor Estate, Apsley	TL 0551	Isolated features	-	-	O'Brien, C., 2007, Plant macrofossil report. In: Grassam, A. <i>Land at Manor Estate, Apsley,</i>

Record	Period	Name	NGR	Site type	High Status? (and other relevant description)	Ritual or ceremonial?	Bibliographic references*
			0512				<i>Hertfordshire: Research Archive Report.</i> Archaeological Solutions Unpublished Report 2873, 22-24, 51-54
217	MIA	Manor Estate, Apsley	TL 0551 0512	Discrete enclosed settlement	-	-	
218	LIA	Manor Estate, Apsley	TL 0551 0512	Isolated features	-	-	
219	ER	Manor Estate, Apsley	TL 0551 0512	Settlement periphery	-	Structured ceramic deposits	
220	MR	Verulamium (Insula XIII)	TL 1390 0660	Major town	-	-	Fryer, V., 2006, Charred cereals and other remains. In: Niblett, R. Verulamium: Excavations within the Roman Town 1986-88, <i>Britannia</i> XXXVII, 53-188
221	LR	Verulamium (Insula XIII)	TL 1390 0660	Major town	-	-	
222	LR	St Ives Priory	TL 3145 7115	Complex rural settlement	-	-	Fryer, V. nd., Charred plant macrofossils. In Fell, D. McDonald, T. Murray, J. and Trevarthen, M. <i>Excavations at the Priory, St Ives, Cambridgeshire.</i> Hertfordshire Archaeological Trust (Archaeological Solutions) Unpublished Report.
223	EIA	Colchester Garrison	TL 9960 2440	Burial	-	Samples from cremation burials	Fryer, V., 2003, Charred plant macrofossils and other remains (report on recommended extra work). In: Brooks, H. and Masefield, R. <i>The Colchester Garrison PFI project, Colchester, Essex: a Report on the 2003 Excavation of Areas 2, 6, 10. August- November 2003.</i> Colchester Archaeological Trust Unpublished Report 292, 66-68
224	ER	Head Street, Colchester	TL 9936 2508	Military intra-mural	-	-	Fryer, V., 2000, Charred Plant Macofossils and Other Remains. In: Brooks, H. <i>Archaeological excavation at 29-39 Head Street, Colchester, Essex May-September 2000.</i> Colchester Archaeological Trust Unpublished Report 268, 169-184
225	ER	Head Street, Colchester	TL 9936 2508	Major Town	-	-	
227	MR	Head Street,	TL	Major Town	-	-	

Record	Period	Name	NGR	Site type	High Status? (and other relevant description)	Ritual or ceremonial?	Bibliographic references*
		Colchester	9936 2508				
228	ER	Brandon Road, Thetford	TL 8550 8320	Complex rural settlement	-	Possible shrine	Fryer, V., forthcoming, Charred plant macrofossils and other remains. In: Oxford Archaeology East <i>Prehistoric, Roman and Anglo-Saxon Settlement at Land off Brandon Road, Thetford, Norfolk</i> . East Anglian Archaeology
229	LR	Brandon road, Thetford	TL 8550 8320	Complex rural settlement	-	-	
230	EIA	Harston Mill	TL 4180 5070	Open settlement	-	-	Scaife, R., in prep., Charred cereal remains. In: O'Brien, L. <i>Early to Middle Iron Age Settlement and Burials and Early Anglo-Saxon Settlement at Harston Mill, Harston, Cambridgeshire</i> . East Anglian Archaeology.
231	MIA	Harston Mill	TL 4180 5070	Open settlement	-	Storage pits with structured deposits of human and animal bone	
232	LIA	Harston Mill	TL 4180 5070	Field system	-	-	
233	ER	Stonald Field, Whittlesey	TL 2416 9810	Isolated features	-	-	Ballantyne, R., 2002, Environmental. In: Gibson, D. and Knight, M. <i>Prehistoric and Roman Archaeology at Stonald Field, Kings Dyke West, Whittlesey: Monuments and Settlement</i> . Cambridge Archaeological Unit Unpublished Report 498, 61-70
234	MR	Rectory Farm, Godmanchester	TL 2460 7030	Burial	'Villa' near to cemetery	Cremation cemetery	Murphy, P. nd., <i>Rectory Farm, Godmanchester, Cambridgeshire (Site 432). Plant macrofossils from neolithic, Bronze Age, Roman and Saxon Contexts</i> . Unpublished report.
236	MR	Rectory Farm, Godmanchester	TL 2460 7030	Complex rural settlement	'Villa'	-	
238	MR	Wixams	TL 0540 4380	Complex rural settlement	-	-	Giorgi, J. forthcoming, Plants. In: Ingham, D, forthcoming, 'Farming at Hill Field, Wilshamstead in the first millennium AD', Bedfordshire Archaeology 2

Record	Period	Name	NGR	Site type	High Status? (and other relevant description)	Ritual or ceremonial?	Bibliographic references*
239	EIA	Beauford Farm, Biggleswade	TL 2011 4285	Field system	-	-	Hill, A. 2007 <i>Beauford Farm, Biggleswade, Bedfordshire (BFS809): an Assessment of the Plant Remains from Late Bronze Age and Early Iron Age contexts Through to Post-Medieval</i> . University of Leicester Archaeology Service Report 2007-085 written for Albion Archaeology.
240	EIA	Beauford Farm, Biggleswade	TL 2011 4285	Ceremonial	-	Structured animal bone deposits	
241	MIA	Beauford Farm, Biggleswade	TL 2011 4285	Settlement periphery	-	-	
242	LIA	Beauford Farm, Biggleswade	TL 2011 4285	Discrete enclosed settlement	-	Structured ceramic deposits	
243	LR	Hinxton Road, Duxford	TL 4890 4530	Maltings	-	-	Fryer, V., 2011, Charred plant macrofossils and other remains. In: Lyons, A. <i>Life and Death at Duxford, Cambridgeshire, from the Early Iron Age to the Post-Medieval</i> . East Anglian Archaeology 141, 86-89
244	MR	Newmarket Road	TL 4847 5931	Settlement periphery	-	-	Fryer, V., forthcoming, Plant macrofossils and other remains. In: Wallis, H. <i>Romano-British Cambridgeshire: Recent Excavations</i> . East Anglian Archaeology.
245	EIA	Fordham Bypass	TL 6230 6920	Burial	-	Two adjacent inhumations (one a child buried in a solution hollow)	Fryer, V., 2007, <i>Charred macrofossils and other remains, Fordham bypass, Cambridgeshire</i> . Report prepared for Oxford Archaeology East.
246	EIA	A505 Baldock Bypass	TL 2413 3200	Open settlement	-	-	Martin, G., 2009, Archaeobotanical remains. In: Phillips, M. <i>Four Millennia of Activity Along the A505 Baldock bypass, Hertfordshire</i> . East Anglian Archaeology 128. Bedford: Albion Archaeology, 55-56, 84
247	LIA	A505 Baldock Bypass	TL 2413 3200	Complex rural settlement	-	-	
248	ER	Camp Ground, Earith	TL 3775 7825	Complex rural settlement	On fen-edge, adjacent to Colne Ditch (Roman canal) and a tributary of the old	-	Ballantyne, R.M., 2009, <i>Charred Plant Remains as Minute Artefactual Debris: Lifestyles and Economy upon the Roman Fen-Edge, Cambridgeshire</i> . PhD

Record	Period	Name	NGR	Site type	High Status? (and other relevant description)	Ritual or ceremonial?	Bibliographic references*
249	MR	Camp Ground, Earith	TL 3775 7825	Complex rural settlement	course of the Great Ouse. ER enclosures, pits and trackways (including a link to Langdale Hale).	Infant burials	Thesis, University of Cambridge.
250	LR	Camp Ground, Earith	TL 3775 7825	Complex rural settlement	Substantial MR re- organisation and sub- division onto domestic and administrative/processing/s storage areas. Also large amounts of pottery and coinage and establishment of docks. Decline in administrative area in LR but domestic area and docks remain in full use. Interpreted as complex, but low status trading settlement.	-	
251	LIA	Camp Ground, Earith	TL 3775 7825	Complex rural settlement	-	-	
252	ER	Langdale Hale, Earith	TL 3825 7750	Complex rural settlement	Adjacent to Camp Ground and linked by trackway. Interpreted as linked	-	
253	MR	Langdale Hale, Earith	TL 3825 7750	Complex rural settlement	settlements. Similar pattern of MR expansion from ER enclosures, with	-	
254	LR	Langdale Hale, Earith	TL 3825 7750	Complex rural settlement	careful organisation of space. Evidence of preparation of carcasses for market. LR change in layout, also noted for many large quernstones whose operation would have required animal- (or collective human-)	-	Ballantyne, R.M., 2009, <i>Charred Plant Remains as Minute Artefactual Debris: Lifestyles and Economy upon the Roman Fen-Edge, Cambridgeshire</i> . PhD Thesis, University of Cambridge.

Record	Period	Name	NGR	Site type	High Status? (and other relevant description)	Ritual or ceremonial?	Bibliographic references*
					traction.		
255	ER	Vicar's Farm, Cambridge	TL 4312 5906	Complex rural settlement	Established late in ER (c. 80AD) with enclosures and aisled building as well as shrine and cremation cemetery. Trackway in direction of Cambridge-St. Neots Road, small town at Cambridge < 3km away. MR re-organisation including new structures and sub-enclosures. LR peak less formal in layout with fewer structures; suggested as change reflecting loss/replacement of controlling authority.	Possible shrine	Ballantyne, R.M., 2009, <i>Charred Plant Remains as Minute Artefactual Debris: Lifestyles and Economy upon the Roman Fen-Edge, Cambridgeshire</i> . PhD Thesis, University of Cambridge.
256	MR	Vicar's Farm, Cambridge	TL 4312 5906	Complex rural settlement		Possible shrine	
257	LR	Vicar's Farm, Cambridge	TL 4312 5906	Complex rural settlement		Structured animal bone deposits in pits within an enclosure, unusual timber post setting	
258	ER	Vicar's Farm, Cambridge	TL 4312 5906	Burial		Inhumation cemetery	
259	EIA	Stonea Camp	TL 4490 9370	Settlement periphery	Features outside of large D-shaped enclosure.	-	Van der Veen, M., 1996, Plant Remains. In: Jackson and Potter 1996, <i>Excavations at Stonea, Cambridgeshire 1980-85</i> . London: British Museum press, 613-639
260	MIA	Stonea Camp	TL 4490 9370	settlement, unclear		-	
261	LIA	Stonea Grange	TL 4490 9370	Isolated features	-	-	
262	MR	Stonea Grange	TL 4490 9370	Small town	Grid-layout of streets; domestic buildings in one complex separated from 'great stone complex' in other. Stone transported over long distance. Stone complex includes building with hypocaust, mosaic floor, painted wall plaster -	Possible temple	
263	MR	Stonea Grange	TL 4490 9370	Complex rural settlement		-	

Record	Period	Name	NGR	Site type	High Status? (and other relevant description)	Ritual or ceremonial?	Bibliographic references*
					poss. very tall. Settlement may have been constructed on Imperial/other high instructions as an administrative centre.		
1005	ER	Haddon	TL 1374 9390	Complex rural settlement	-	-	Fryer, V., 2003, Charred plant macrofossils and other remains. In: Hinman, M. <i>A Late Iron Age farmstead and Romano-British site at Haddon, Peterborough</i> . Oxford: BAR (British Series) 358, 210-214
1006	LR	Haddon	TL 1374 9390	Complex rural settlement	-	Structured metalwork deposit in pit	

* Second sources contain information on site context but not archaeobotanical samples. In other records, this site context was gained from the site-reports within which archaeobotanical reports are contained.

Table A1.2. Records with imprecise dating.

Record	Period	Name	NGR	Site type	High Status? (and other relevant description)	Ritual or ceremonial?	Bibliographic references
35	IA	Beck Row, Mildenhall	TL 6880 7800	Discrete enclosed settlement	-	-	As Record 36.
52	IA	Aldwick, Barley	TL 3980 3880	Open settlement	-	-	Lambert, C A., 1965, Appendix II. Weed seeds. In: Cra'ster M D. Aldwick, Barley: recent work on the Iron Age site, <i>Proceedings of the Cambridge Antiquarian Society</i> 58, 1-11
109	IA	Brandon	TL 7790 8656	Open settlement	-	-	Murphy, P., 1982, <i>Mollusca, Peat section, Charred Crop Plants and Weed Seeds. Brandon, Suffolk.</i> Ancient Monuments Laboratory Report (Old Series) 3637
112	IA	Salter's Lane, Longham	TF 9280 1730	?Ceremonial	-	Possible barrow, structured ceramic deposits	Fryer, V. and Murphy, P., 1991, <i>Longham, Norfolk; Carbonised Plant Remains from Beaker, Bronze Age and Iron Age Contexts.</i> Ancient Monuments Laboratory Report (New Series) 61/91
114	IA	Pakenham	TL 9335 6985	Isolated features	-	-	As Records 115-118.
5	LIA-R	Stansted Airport	TL 5200 3320	Ceremonial	-	Unoccupied enclosure	As Records 1-7.
237	LIA-R	Wixams	TL 0540 4380	Complex rural settlement	-	-	As Record 238.
13	R	Chigborough Farm	TL 8802 0822	Field system	-	-	As Record 12.
20	R	Ivy Chimneys, Witham	TL 8110 2360	?Complex rural settlement	-	-	As records 19-23.
44	R	Langford Road,	TL 8470	Burial	-	Samples from ditch	Jones, J., Smith, D. and Wilkinson, K., 1997, <i>Environment and economy.</i> In: Langton, B. and

Record	Period	Name	NGR	Site type	High Status? (and other relevant description)	Ritual or ceremonial?	Bibliographic references
		Heybridge	0850			surrounding an inhumation cemetery	Holbrook, N., A prehistoric and Roman occupation and burial site at Heybridge: excavations at Langford Road, 1994, <i>Essex Archaeology and History</i> 28, 38-44
54	R	Eynesbury	TL 1800 5850	Field system	-	-	As Record 53.
59	R	Gestingthorpe	TL 8270 3880	Settlement, unclear	Samples from 'villa' building; nature of the rest of the settlement (not excavated) is unclear	-	Renfrew, J.M., 1985, In: Draper, J. and Cooper, H.P., <i>Excavations by Mr. H.P. Cooper on the Roman site at Hill Farm, Gestingthorpe, Essex.</i> East Anglian Archaeology 25. Chelmsford: Essex County Council, 98
62	R	Melford Meadows, Brettenham	TL 8780 8260	Settlement periphery	-	-	Robinson, M., 2002, Plant remains. In: Mudd, A., <i>Excavations at Melford Meadows, Brettenham, 1994: Romano-British and Early Saxon occupations.</i> East Anglian Archaeology 99. Oxford: Oxford Archaeological Unit, 108-10
79	R	Haynes park	TL 0795 4120	Open settlement	-	-	Robinson, M., 2004, Charred plant remains. In: Luke, M. and Shotliff, D. Evidence for Iron Age, Roman and Early Medieval occupation on the Greensand ridge at Haynes Park, Bedfordshire, <i>Bedfordshire Archaeology</i> 25, 55-135
83	R	Eaton Socon	TL 1680 5810	Field system	-	-	As records 84-86.
100	R	Culver Street, Colchester	TL 9500 2500	Major Town	-	-	As Records 98, 99 and 105.
102	R	Gilberd School, Colchester	TL 9500 2500	Major Town	-	-	As Record 101.
121	R	Baldock BAL10	TL 2500 3400	Small town	-	-	As records 119 and 121.
122	R	Somerton	TL	?Industrial	-	-	Murphy, P., 1979, <i>A Roman cereal deposit;</i>

Arable Practice in the Iron Age and Roman East of England.
Appendix 1. Record descriptions and bibliographic references.

Record	Period	Name	NGR	Site type	High Status? (and other relevant description)	Ritual or ceremonial?	Bibliographic references
			8110 5230	(pottery)			<i>Somerton, Suffolk.</i> Ancient Monuments Laboratory Report (Old Series) 2949
130	R	Springfield Lyons	TL 7360 0810	Settlement periphery	-	-	As record 129.
152	R	Strood Hall	TL 6009 2168	complex rural settlement	-	-	As records 145-151.
158	R	West Fen Road, Ely	TL 5290 8080	Complex rural settlement	-	-	As Record 157.
198	R	Eye Quarry, Peterborough	TF 3430 0240	?Industrial (salt)	-	-	Roberts, K., 2004, Environmental bulk samples. In: Patten, R. <i>Bronze Age and Romano British Activity at Eye Quarry, Peterborough.</i> Cambridge Archaeological Unit Unpublished Report 633, 74-80
199	R	Eye Quarry, Peterborough	TF 3430 0240	Field system	-	-	
205	R	Hinxton Quarry	TL 4875 4690	Complex rural settlement	-	-	Stevens, C., 1998, The bulk environmental samples. In: Mortimer, R. and Evans, C. <i>Archaeological Excavation at Hinxton Quarry, Cambridgeshire, 1995 - The North Field -I.</i> Cambridge Archaeological Unit Unpublished Report 168, 17-20
235	R	Rectory Farm, Godmanchester (site 432)	TL 2460 7030	Burial	Villa'	Cremation cemetery	As Records 234 and 236.

Table A1.3. Unquantified records.

Record	Period	Site Name	NGR	Site type	Bibliographic references
1001	MR	Heath Farm, Postwick	TG 2860 0930	Industrial (pottery)	Murphy, P., 2003, Charred plant remains. In: Bates, s. and Lyons, A. <i>The Excavation of Romano-British Pottery Kilns at Ellingham, Postwick and Two Mile Bottom, Norfolk, 1995-7</i> . East Anglian Archaeology Occasional Paper 13. Gressenhall: Norfolk Museums Service, p. 54 (Heath Farm) pp. 91-92 (Two Mile Bottom)
1002	LR	Two Mile Bottom	TL 8530 8680	Industrial (pottery)	
1004	ER	Stowmarket kiln site	TM 0546 5892	Industrial (pottery)	Murphy, P. In: Plouviez, J., 1989, A Romano-British Pottery Kiln at Stowmarket, Suffolk. <i>Proceedings of the Suffolk Institute of Archaeology and History</i> 37, 1-12
1007	LR	Watersmeet	TL 2387 7138	Burial	Fryer, V., 2006, Environmental Samples. In: Nicholson, K. A late Roman cemetery at Watersmeet, Millcommon, Huntingdon, <i>Proceedings of the Cambridge Antiquarian Society</i> XCV, 82
1008	EIA	RAF Lakenheath	TL 7237 7996	Isolated features	Fryer, V., 2005, Plant macrofossils. In: Craven, J. <i>New Access Control, Gate 2, RAF Lakenheath. A report on the Archaeological Excavations 2002</i> . Suffolk County Council Archaeology Service Unpublished Report 2005/27.
1009	EIA	Chalkstone Way	TL 6837 5460	Settlement periphery	Fryer, V., 2007, Plant macrofossils. In Craven, J. Land off Chalkstone Way, Haverhill. A report on the archaeological excavations 2006. Suffolk County Council Archaeology Service Unpublished Report 2007/87 (HVH 059)
1012	MR	31 Tunbridge Lane, Bottisham	TL 5442 6092	Settlement periphery	Fryer, V., 2008, Environmental remains. In: Kenney, S. <i>Roman Settlement at No. 31. Tunbridge Lane, Bottisham, Cambridgeshire: Archaeological Excavation Report</i> . Oxford Archaeology East Unpublished Report 886
1013	LR	31 Tunbridge Lane, Bottisham	TL5442 6092	Settlement periphery	
2001	MIA	Maxey	TF 1500 0600	Settlement periphery	Green, F.J., 1985, Evidence for domestic cereal use at Maxey. In: Pryor F, French C, Crowther D, Gurney D, Simpson G and Taylor M. <i>The Fenland Project, No. 1: Archaeology and environment in the Lower Welland Valley. 1</i> . East Anglian Archaeology 27(1), 224-232 (methodology 41-2)
2002	LIA	Maxey	TF 1500 0600	Settlement, unclear	
2003	ER	Maxey	TF 1500 0600	Settlement, unclear	
2004	MR	Maxey	TF 1500 0600	Complex rural settlement	
2005	LR	Maxey	TF 1500 0600	Settlement periphery	
2008	LIA	Orsett 'Cock' Enclosure	TQ 6534 8136	Discrete enclosed settlement	Murphy, P., 1998, Carbonised plant remains. In: Carter G A. 1998. <i>Excavations at the Orsett 'Cock' Enclosure, Essex, 1976</i> . East Anglian Archaeology 86. Chelmsford: Essex

Arable Practice in the Iron Age and Roman East of England.
Appendix 1. Record descriptions and bibliographic references.

Record	Period	Site Name	NGR	Site type	Bibliographic references
2010	ER	Orsett 'Cock' Enclosure	TQ 6534 8136	Discrete enclosed settlement	County Council, 110, 112.
2011	EIA	Lingwood Wells	TL 5415 7115	Settlement, unclear	Murphy, P., 2000, Plant macrofossils. In: Evans, C., The Lingwood Wells: waterlogged remains from a first millennium BC settlement at Cottenham, Cambridgeshire. <i>Proceedings of the Cambridge Antiquarian Society</i> LXXXVII, 21-22
2012	MIA	Little Waltham	TL 7050 1260	Open settlement	Wilson, D.G., 1978, Appendix I. Iron Age and Roman plant remains. In: Drury P J. <i>Excavations at Little Waltham 1970-71</i> . London: Council for British Archaeology Research Report 26, 142-145
2014	MR	Dairy Farm, Ellingham	TM 3785 9155	Industrial (pottery)	As records 1001 and 1002, pp. 13, 26.
2015	EIA	Topler's Hill	TL 2164 4035	Complex rural settlement	Pelling, R., 2004, Charred plant remains. In: Luke, M. The investigation of an Early-Middle Iron Age settlement and field system at Topler's Hill, <i>Bedfordshire Archaeology</i> 25, 44-45
2016	ER	Queensway Hall	TL 0190 2280	Complex rural settlement	Hutchins, E., 2004, Charred plant remains. In: Mudd, A., Early Roman occupation on the site of the former Queensway Hall, Dunstable, <i>Bedfordshire Archaeology</i> 25, 154
2017	LIA	Norse Road	TL 0910 5150	?Ceremonial (Unoccupied enclosure)	Edgeworth, M., 2001, An Iron Age and Romano-British Farmstead at Norse Road, Bedford, <i>Bedfordshire Archaeology</i> 24, 1-19
2018	MIA	Flitwick	TL 0363 3568	Discrete enclosed settlement	Moffett, L., 1999, Charred macroscopic plant remains. In: Luke, M. An enclosed pre-'Belgic' farmstead with later occupation at Hinksley Road, Flitwick, <i>Bedfordshire Archaeology</i> 23, 43-87
2019	MR	Flitwick	TL 0363 3568	Field system	
2020	MR	Cedar Close, March	TL 4220 9730	Industrial (salt)	Fryer, V., 2008, The Environmental remains. In: Lane, T., Morris, E., and Peachey, M. Excavations on a Roman salting site at Cedar Close, March, Cambridgeshire, <i>Proceedings of the Cambridge Antiquarian Society</i> XCVII, 102-103
2021	MIA	Hurst Lane Reservoir	TL 5260 8140	Complex rural settlement	Stevens, C., 2007, Environmental Remains. In: Evans, C., Knight, M., Webley, L. Iron Age Settlement and Romanisation on the Isle of Ely: the Hurst Lane Reservoir Site. Cambridge Archaeological Unit Unpublished Report.
2022	ER	Parson Drove	TF 3740 0846	Industrial (salt)	Stevens, C., 2006, Charred plant remains and charcoal. In: Andrews, P. Romano-British and medieval salting and settlement in Parson Drove, Cambridgeshire, <i>Proceedings of the Cambridge Antiquarian Society</i> XCV, 40
2024	EIA	Wandlebury	TL 9490 5343	Open settlement	Cyganowski, C. 2004 The macro-botanical remains from a selection of the interior/exterior pits. In: French, C. Evaluation survey and excavation at Wandlebury Ringwork, Cambridgeshire, 1994-7, <i>Proceedings of the Cambridge Antiquarian Society</i> XCIII, 15-66
2025	LIA	Wandlebury	TL 9490 5343	Hillfort	
2026	EIA	Gold Lane, Biddenham	TL 0207 5035	Discrete enclosed settlement	Scaife, R., 2004, Plant Macrofossils. In: Dawson, M. Archaeology in the Bedford Region. Oxford: British Archaeological Reports (British Series) 373, 267-274

Arable Practice in the Iron Age and Roman East of England.
Appendix 1. Record descriptions and bibliographic references.

Record	Period	Site Name	NGR	Site type	Bibliographic references
2028	ER	Star and Fleece	TL 8646 1912	Industrial (quarrying)	Fryer, V., 2001, Charred Plant Macrofossils. In: Fell, D. and Humphrey, R. The excavation of an Iron Age and Roman site at the Star and Fleece Hotel, Kelvedon, <i>Essex Archaeology and History</i> 32, 126 -127
2029	EIA	Fox Hall Farm	TQ 8860 8800	Open settlement	Fryer, V., 1995, Environmental material. In: Ecclestone, J. Early Iron age settlement at Southend: excavations at Fox Hall Farm, <i>Essex Archaeology and History</i> 26, 37
2032	MIA	Silifield	TL 1072 9926	Industrial (various)	Fryer, V., and Murphy, M., 1996, Plant macrofossils and molluscs. In: Ashwin, T. Excavation of an Iron Age site at Silifield, Wymondham, Norfolk, 1992-3, <i>Norfolk Archaeology</i> XLII (III), 272
2033	MIA	Lynford Quarry	TL 8250 9480	Settlement, unclear	Fryer, V., 1997 Plant macrofossils. In: Birks, C. and Robertson, D. Prehistoric settlement at Stanford: excavations at Lynford Quarry, Norfolk 2000-2001, <i>Norfolk Archaeology</i> XLIV (IV), 693
2034	MR	School Lane, Welwyn	2290 1605	Complex rural settlement	Fryer, V., 2008, The environmental samples. In Grassam, A. with Nicholson, K. Roman features at 17-19 School Lane, Welwyn, Hertfordshire, <i>Hertfordshire Archaeology and History</i> 15, 63-70
2035	LR	Football Close, Baldock	TL 2245 3415	Small town	Fryer, V., 2008 Environmental Samples from F2011 and F2046. In Nicholson, K. Excavations at Football Close, Baldock, Hertfordshire, <i>Hertfordshire Archaeology and History</i> 15, 79-87
2036	MR	Glaxo, Ware	TL 3529 1449	Small town	Fryer, V., 2005, Plant macrofossils and other remains. In O'Brien, L. with Roberts, B. Excavations on Roman Ermine Street at the new Restaurant Facility, GlaxoSmithKlein, Ware, Hertfordshire <i>Archaeology</i> 14, 3-39
2042	EIA	Redgate Hill, Hunstanton	TF 6820 3940	Settlement, unclear	Murphy, P., 1986, Summary environmental report, in Wymer, J. Early Iron Age pottery and a triangular loom-weight from Redgate Hill, Hunstanton, <i>Norfolk Archaeology</i> 39(3), 294-296
2043	EIA	Orsett	TQ 6530 8060	Open settlement	Hubbard R.N.L.B. 1978. Carbonised seeds. In: Hedges, J. and Buckley, D. Excavations at a Neolithic causewayed enclosure, Orsett, Essex, 1975, <i>Proceedings of the Prehistoric Society</i> 44. 294-5.
2045	ER	Gorhambury	TL 1130 0780	Complex rural settlement	Wainwright A., 1990, The mollusc and seed remains. In: Neal D.S., Wardle, A. and Hunn, J. <i>Excavation of the Iron Age, Roman and Medieval settlement at Gorhambury, St Albans</i> . London: English Heritage Archaeological Report 14, 213-8.
2046	MR	Gorhambury	TL 1130 0780	Complex rural settlement	
2047	EIA	Totternhoe	SP 9800 2222	Settlement, unclear	Percival, J. in Hawkes, C.F.C., 1940, A site of the Late Bronze Age-Early Iron Age Transition at Totternhoe, Bedfordshire, <i>Antiquities Journal</i> 20, 487-491
2048	MIA	WIS Site 1	TL 1188 4875	Discrete enclosed settlement	Carruthers, W. nd., Charred, mineralised and waterlogged plant remains report, WIS site 1. Report written for Albion archaeology.
2049	EIA	Lackford Bridge	TL 5791 7310	Discrete enclosed settlement	Murphy, P., 2007, Carbonised plant macrofossils. In: Tipper, J., <i>West Stow Lackford Bridge Quarry (WSW030): a report on a rescue excavation undertaken in 1978-9</i> . Suffolk County Council Archaeology Service Unpublished Report 2007/039

Arable Practice in the Iron Age and Roman East of England.
Appendix 1. Record descriptions and bibliographic references.

Record	Period	Site Name	NGR	Site type	Bibliographic references
2050	EIA	Cromer Road, Antingham	TG 2500 3210	Settlement, unclear	Rackham, J. and Martin, G., n.d., Environmental Archaeology. In Cater, D. and Wilson, T. in prep. Bacton to Kings Lynn Pipeline. East Anglian Archaeology Monograph, in prep.
2051	LIA	Green lane, Themelthorpe	TG 0463 2389	Settlement, unclear	
2052	ER	New Hall, Cambridge	TL 4406 5951	Complex rural settlement	Fryer, V., and Murphy, P., 1996, Macrofossils. In: Evans, C. <i>New Hall, Cambridge: prehistoric land-use and Roman Hinterland investigations - The 1994 excavations</i> . Cambridge Archaeological Unit Unpublished Report 190. 125-128.
2054	LIA	Fen Farm	TM 0538 2369	Discrete enclosed settlement	Fryer, V., 2008, <i>An assessment of the charred plant macrofossils and other remains from Fen Farm, Elmstead Market, Essex (ESFF 07)</i> . Unpublished report prepared for Essex County Council Field Archaeology Unit.
2055	MR	Mackeyre End, Wheathampstead	TL 1620 1635	Complex rural settlement	Fryer, V., 2003, <i>Charred plant macrofossils and other remains from Mackeyre End, Wheathampstead, Hertfordshire (MED 02): an initial statement of sample content</i> . Unpublished report prepared for St Albans Museums Service.
2056	MR	Cambridge Road, Bedford	TL 0756 4807	Complex rural settlement	Fryer, V., 2006, Plant macrofossils and snails. In: Carlyle, S. <i>Archaeological excavation on land south of Cambridge Road, Bedford, November 2004 to June 2005: Assessment report and updated project design</i> . Northamptonshire Archaeology Unpublished Report 06/93 V2, 22-24.
2057	LR	Cambridge Road, Bedford	TL 0756 4807	Complex rural settlement	
2058	LIA	Bulls Lodge, Boreham Quarry	TL 7411 1149	Unoccupied enclosure	Fryer, V., 2003, <i>Charred plant macrofossils and other remains from Bulls Lodge Quarry, Boreham, Essex (BOAF 03)</i> . Unpublished report prepared for Essex County Council Field Archaeology Unit.
2059	MIA	Blofield Hall, Trimley St Mary	TM 0538 2368	Complex rural settlement	Fryer, V., 2000, Plant macrofossils and other remains from Iron Age and Medieval deposits at Blofield, Suffolk (TYY 026 and TYY 027): an assessment. In: Sommers, M. <i>Archaeological Assessment report: Trinity 2000 development, Blofield Hall, Trimley St Mary</i> . Suffolk County Council Archaeology Service Unpublished Report 2000/46.
2060	MIA	Liberty Village East	TL 7256 7986	Isolated features	Fryer, V., 2007, <i>An assessment of the charred plant macrofossils and other remains from the RAF Liberty Village, RAF Lakenheath, Suffolk (ERL 147)</i> . Unpublished report prepared for Suffolk County Council Archaeology Service.
2061	LIA	Handford Road, Ipswich	TM 1540 4450	Complex rural settlement	Fryer, V., 2005, An assessment of the charred plant macrofossils and other remains from Handford Road, Ipswich, Suffolk (IPS 280). In: Boulter, S., <i>Handford Road, Ipswich (IPS 280): Archaeological Assessment Report</i> . Suffolk County Council Archaeology Service Report 2004/87
2062	MR	Handford Road, Ipswich	TM 1540 4450	Complex rural settlement	
2065	LR	RAF Lakenheath. Material supply facility	TL 7300 8000	Complex rural settlement	Fryer, V., 2006, <i>An assessment of the charred plant macrofossils and other remains from a Late Roman pit at the material supply facility at RAF Lakenheath, Suffolk (LKH 222)</i> . Unpublished report prepared for Suffolk County Council Archaeology Service.
2066	EIA	Flixton Quarry	TM 3037 8616	Open settlement	Fryer, V., 2005, <i>An assessment of the charred plant macrofossils and other remains from</i>

Arable Practice in the Iron Age and Roman East of England.
Appendix 1. Record descriptions and bibliographic references.

Record	Period	Site Name	NGR	Site type	Bibliographic references
2067	LIA	Flixton Quarry	TM 3037 8616	Complex rural settlement	<i>site FLN 057, Flixton Park Quarry, Suffolk.</i> Fryer, V., 2005, <i>An assessment of the charred plant macrofossils and other remains from site FLN 059, Flixton Park Quarry, Suffolk.</i> Fryer, V., 2005, <i>An assessment of the charred plant macrofossils and other remains from site FLN 062, Flixton Park Quarry, Suffolk.</i> Unpublished reports prepared for Suffolk County Council Archaeology Service.
2068	MR	Flixton Quarry	TM 3048 8629	Complex rural settlement	
2069	MR	Church Street, St Neots	TL 2230 7254	Complex rural settlement	Pelling, R, 2008, <i>AS 1079: Land at Church Street, St. Neots, Cambridgeshire: The Archaeobotanical Samples.</i> Unpublished report prepared for Archaeological Solutions Ltd.
2071	MIA	Sawtry	TL 1760 8337	Open settlement	Fryer, V., 2008, Plant Macrofossils. In: Newton, A.A.S. <i>Excavation of land at Black Horse Farm, Old North Road, Sawtry, Cambridgeshire. Research Archive Report.</i> Archaeological Solutions Unpublished Report 2999
2072	LIA	Sawtry	TL 1760 8337	Field system	
2073	ER	Sawtry	TL 1760 8337	Isolated features	
2074	LR	Pierrefitte Way, Braintree	TL 7540 2290	Small town	Fryer, V., 2007, Charred plant macrofossils and other remains. In Newton, A.A.S. <i>Excavation at Pierrefitte Way, Braintree, Essex: Research archive Report.</i> Archaeological Solutions Unpublished Report 2214, 65-6 and 97
2075	EIA	Lodge Farm, Costessy	TG 1650 1030	Settlement, unclear	Fryer, V., 2007, The environmental samples. In Woolhouse, T. <i>A Late Bronze Age Hoard and Early Iron Age Boundary at Lodge Farm, Costessy: Grey Report.</i> Archaeological Solutions Unpublished Report 14
2076	MR	Old Baptist Chapel, Fenstanton	TL 3139 6871	Field system 2	Fryer, V., 2004, The plant macrofossils and other remains. In: Nicholson, K. <i>Land Adjacent to the Old Baptist Chapel, Fenstanton, Cambridgeshire.</i> Archaeological Solutions Unpublished Report.
2077	MR	Fingringhoe Quarry	TM 6135 1980	Burial	Fryer, V., 2007, <i>An assessment of the charred plant macrofossils and other remains from Fingringhoe Ballast Quarry, Colchester, Essex (FIBQ 05).</i> Unpublished report prepared for Archaeological Solutions Ltd.
2078	LIA	Cedars Park, Stowmarket	TM 0614 5876	Discrete enclosed settlement	Fryer, V., in prep., Charred plant macrofossils and other remains. In: Nicholson, K. <i>A Late Iron Age and Romano-British Farmstead t Cedars Park, Stowmarket, Suffolk.</i> Archaeological Solutions report 2088. East Anglian Archaeology.
2079	ER	Cedars Park, Stowmarket	TM 0614 5876	Discrete enclosed settlement	
2080	MR	Cedars Park, Stowmarket	TM 0614 5876	Complex rural settlement	
2082	LR	West End, Haddenham	TL 4613 7552	Field system	Fryer, V. 2005, Plant macrofossils. In: Grassam, A. <i>Roman Boundaries and a deposit of multiple animal carcasses at West End, Haddenham, Cambridgeshire: An Archaeological Excavation, Final Report.</i> Archaeological Solutions Unpublished Report 1747.
2083	MR	High Street, Great Dunmow	TL 6300 2165	Small town	Fryer, V. 2007, Charred plant macrofossils and other remains In: Sparrow, P. <i>83 High Street, Great Dunmow, Essex: research Archive Report.</i> Archaeological Solutions

Arable Practice in the Iron Age and Roman East of England.
Appendix 1. Record descriptions and bibliographic references.

Record	Period	Site Name	NGR	Site type	Bibliographic references
					Unpublished Report 3000, 20-21 and 28
2085	LIA	Barkers Tanks, Takeley	TL 5580 2120	Field system	Fryer, V., 2003, Charred plant macrofossils and other remains. In: Roberts, B. <i>Land to the south of the A120, Takeley, Essex (Barkers Tanks site): an Archaeological Excavation Interim Site Narrative</i> . Hertfordshire Archaeological Trust Unpublished Report 1301.
2086	MIA	Unit 5, Papworth Everard	TL 2910 6240	Discrete enclosed settlement	Fryer, V., 2007, The environmental samples. In: Newton, A.A.S. <i>The Archaeological Investigation of land off Ermine Street (Unit 5), Papworth Everard, Cambridgeshire</i> . Archaeological Solutions Unpublished Report.
2087	EIA	Turners Hall farm	TL 1600 1640	Isolated features	Fryer, V., n.d., Environmental samples. In McDonald, T. and Pearson, A. <i>Two Rural Romano-British settlements in Hertfordshire: Turners Hall Farm and Sandridge</i> . Hertfordshire Archaeological Trust (Archaeological Solutions) Unpublished Report.
2088	ER	Turners Hall farm	TL 1600 1640	Complex rural settlement	
2089	ER	Sandridge	TL 1850 1030	Complex rural settlement	
2090	MIA	Stonald Field (APS)	TL 3636 9792	Discrete enclosed settlement	Fryer, V., 2008, An assessment of the charred plant macrofossils and other remains from Stonald Field, Whittlesey (WSF 07). In: Murphy, K., <i>Archaeological excavation on land at Stonald Field, Whittlesey, Cambridgeshire (WSF 07)</i> . Archaeological Project Services Unpublished Report 8808. Appendix 5
2091	MIA	Wimblington Road, March	TL 4150 9490	Discrete enclosed settlement	Fryer, V., in prep., Charred plant macrofossils and other remains. In: Atkins, R. (ed.) <i>Wimblington Road</i> . In: Wallis, H. <i>Roman Cambridgeshire</i> (working title). East Anglian Archaeology.
2092	LIA	Wimblington Road, March	TL 4150 9490	Discrete enclosed settlement	
2093	ER	Wimblington Road, March	TL 4150 9490	Field system	
2094	MR	Wimblington Road, March	TL 4150 9490	Settlement periphery	
2095	ER	Great Notley	TL 7366 2171	Discrete enclosed settlement	Fryer, V., 2006, <i>An assessment of the charred plant macrofossils and other remains from Great Notley Business Park, Essex (GNBP 06)</i> . Unpublished Report prepared for Colchester Archaeological Trust.
2096	ER	Frog's Hall	TL 5850 2260	Settlement periphery	Fryer, V., 2006, <i>An assessment of the charred plant macrofossils and other remains from Frog's Hall, Takeley, Essex (TAFH 02)</i> . Unpublished report prepared for Essex County Council Field Archaeology Unit.
2097	LIA	Silver St Godmanchester	TL 2455 6970	Unoccupied enclosure	Fryer, V., 2009, The environmental data. In : Cope-Faulkner, P. <i>Excavation at Wigmore farm, Silver Street, Godmanchester, Cambridgeshire (GMSS 07): Assessment of the Archaeological Remains and Updated Project Design</i> . APS Unpublished Report 17/09
2098	EIA	A4146 Stoke	SP 8966 2403	Open settlement	Fryer, V., 2007, <i>An assessment of the charred plant macrofossils and other remains from</i>

Record	Period	Site Name	NGR	Site type	Bibliographic references
		Hammond Linslade bypass			<i>the A4146 Stoke Hammond and Linslade Western bypass, Bedfordshire/Buckinghamshire.</i> Unpublished report prepared for Network Archaeology.
2099	EIA	Abbotstone, Colchester	TL 9430 2270	Isolated features	Fryer, V., 2005, <i>The Environmental Remains.</i> In: Pooley, L. and Benfield, S. <i>Excavations at Abbotstone Field, Bell House Pit, Tarmac Colchester Quarry, Warren lane, Stanway, Colchester, Essex 1999-2001.</i> Colchester Archaeological Trust Unpublished Report 312, 62-67.
2100	MIA	Abbotstone, Colchester	TL 9430 2270	Complex rural settlement	
2101	ER	Abbotstone, Colchester	TL 9430 2270	Discrete enclosed settlement	
2102	MR	Abbotstone, Colchester	TL 9430 2270	Complex rural settlement	
2103	LIA	Alma Road, Peterborough	TF 1900 0050	Settlement periphery	Fryer, V., 2006, Charred plant macrofossils and other remains. In: Mudd, A. and Upson-Smith, T., <i>Middle Iron Age and Late Iron Age/Early Roman enclosures at the former sports ground, Alma Road, Peterborough, Northamptonshire Archaeology</i> 34, 19-32
2104	ER	Birch Quarry	TL 9250 1920	Field system	Fryer, V., 2007, <i>Environmental Remains.</i> In: Benfield, S., <i>Archaeological investigations at Birch Pit western extension, Maldon Road, Colchester, Essex 2004 and 2005-06.</i> Colchester Archaeological Trust Report 383.
2105	MR	Birch Quarry	TL 9250 1920	Field system	
2106	LIA	Birch Quarry	TL 9250 1920	Field system	
2108	EIA	Colchester Garrison	TL 9960 2440	Burial	Fryer, V., 2004, <i>Charred plant macrofossils and other remains form Iron Age and Roman Contexts at Colchester Garrison, Essex (GAR 2003.210): An Assessment.</i> Unpublished report prepared for Colchester Archaeological Trust.
2109	MIA	Colchester Garrison	TL 9960 2440	Discrete enclosed settlement	
2110	LIA	Colchester Garrison	TL 9960 2440	Field system	
2111	EIA	St Andrew's House, Soham	TL 5930 7310	Settlement periphery	Fryer, V., 2004, Charred Plant macrofossils and other remains. In: Atkins, R. <i>Iron Age and Saxo-Norman to Post-Medieval Remains on Land off Clay Street, Soham, Cambridgeshire.</i> Cambridge County Council Archaeological Field Unit Unpublished Report 714
2112	ER	Broadway, Yaxley	SP 7690 3961	Complex rural settlement	Fryer, V., 2008, <i>The environmental evidence.</i> In: Brown, J. <i>Late Iron Age occupation and the emergence of a Roman farming settlement at Broadway Fields, Yaxley, Huntingdonshire.</i> Northamptonshire Archaeology Unpublished Report 08/135.
2113	MR	Broadway, Yaxley	SP 7690 3961	Complex rural settlement	
2114	LR	Broadway, Yaxley	SP 7690 3961	Field system 1	
2115	MR	Foxley Road, Foulsham	TG 0259 2317	Field system 1	As Records 2050 and 2051.
2116	LIA	Bluntisham	TL 3690 7455	Settlement periphery	Smith, W., n.d., <i>Assessment of Charred Plant Remains from Beaker– Roman Period Features at Bluntisham, Cambridgeshire.</i> University of Birmingham Environmental

Arable Practice in the Iron Age and Roman East of England.
Appendix 1. Record descriptions and bibliographic references.

Record	Period	Site Name	NGR	Site type	Bibliographic references
					Archaeology Report 120. Prepared for Northamptonshire Archaeology.
2117	MIA	East Winch	TF 6835 1516	Isolated features	Fryer, V., 2008, Charred plant macrofossils and other remains. In: Lally, M. and Nicholson, K., <i>Fosters End Drove, Blackborough End, East Winch, Norfolk: Research Archive Report</i> . Archaeological Solutions Ltd Unpublished Report 2922, 85-89, 139-150
2118	MR	East Winch	TF 6835 1516	Field system 1	
2119	MR	East Winch	TF 6835 1516	Industrial (pottery)	
2120	MIA	Thorley	TL 4700 2010	Open settlement	Fryer, V., and Murphy, P., in prep., Plant macrofossils. In: McDonald, T. and Last, J. <i>Thorley: a multi-period landscape in East Hertfordshire</i> . East Anglian Archaeology.
2121	LIA	Thorley	TL 4700 2010	Complex rural settlement	
2122	MR	Thorley	TL 4700 2010	Field system	
2123	MIA	Rivenhall Quarry	TL 8200 1200	Open settlement	Fryer, V., 2007, <i>An assessment of the charred plant macrofossils and other remains from the Rivenhall Quarry Watching Brief (RHRA 01)</i> . Unpublished report prepared for Essex County Council Field Archaeology Unit.
2124	MIA	Hinxton genome Campus	TL 4980 4460	Isolated features	Fryer, V., 2007, Macrobotanical Remains from HIN GC 02. Unpublished report prepared for Oxford Archaeology East.
2125	LIA	Hinxton genome Campus	TL 4980 4460	Complex rural settlement	
2128	MR	A505 Baldock Bypass	TL 2630 3450	Field system 1	Martin, G., 2009, Archaeobotanical remains. In: Phillips, M. <i>Four Millennia of Activity Along the A505 Baldock bypass, Hertfordshire</i> . East Anglian Archaeology 128. Bedford: Albion Archaeology, 122.

Appendix 2. Ratio calculations for identification of crops (Method 2) and characterisation of crop-processing derivation

This appendix comprises two tables. Table A2.1 details the calculation of Ratios A-F (Section 4.2.2). For Ratios A-E it gives the number of items available for ratio calculation and the value calculated; these are then interpreted as high (H), low (L) or intermediate (I). . Where low numbers of relevant items prevent ratio calculation, no value is given. Where values for Ratio E (1 and 2) are contradictory, no interpretation is given. Where the second value for a ratio was 0 (e.g. 20 rachis nodes and no grains for Ratio B), a value of 1 was substituted to allow calculation. For Ratio F (plant macrofossils: litre of deposit) Table A2.1 gives the calculated value and an interpretation as dense (D) or sparse (S). Where unknown sample volume prevents calculation of Ratio F, no interpretation is given.

Table A2.2 repeats the interpretations of these values and combines them to give a characterisation of each sample (crop-processing derivatives by species). In this table, * denotes fine-sieving by-products resulting from the processing of previously sieved spikelets.

Abbreviations used in Tables A2.1 and A2.2:

L = low; H = high; I = intermediate; S = sparse; D = dense.

Table A2.1. Calculation of Ratios A-F.

Sample	Ratio A			Ratio B									Ratio C									Ratio D			Ratio E				Ratio F		
	culm nodes: grains			rachis nodes: grains									glume bases: grains									weed seeds: grains			small : large weed seeds				Items: litres deposit		
	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume		
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation	
51	99	0.00	L	0	-	-	0	-	-	0	-	-	111	0.12	L	111	0.12	L	0	-	-	119	0.20	L	20	0.25	0.25	L	13	S	
56	52	0.00	L	0	-	-	0	-	-	0	-	-	55	0.06	L	55	0.06	L	0	-	-	63	0.21	L	11	0.38	0.38	L	7	S	
59	169	0.00	L	0	-	-	0	-	-	0	-	-	179	0.06	L	179	0.06	L	0	-	-	184	0.09	L	15	0.67	0.36	L	19	S	
76	32	0.00	L	0	-	-	0	-	-	0	-	-	37	0.16	L	37	0.16	L	0	-	-	55	0.72	H	23	0.44	0.44	L	6	S	
116	11	0.00	L	1	-	-	0	-	-	0	-	-	425	37.64	H	409	409.00	H	5	-	-	12	0.09	L	1	-	-	-	No Vol.	-	
117	46	0.00	L	0	-	-	0	-	-	0	-	-	83	2.61	H	37	37.00	H	0	-	-	24	0.04	L	1	-	-	-	12	S	
120	43	0.00	L	0	-	-	0	-	-	0	-	-	298	5.93	H	241	241.00	H	14	14.00	H	70	0.63	H	27	0.17	0.17	L	46	D	
122	2	-	-	1	-	-	0	-	-	0	-	-	52	25.00	H	50	50.00	H	0	-	-	2	0.00	L	0	-	-	-	11	S	
123	13	0.00	L	0	-	-	0	-	-	0	-	-	64	3.92	H	51	51.00	H	0	-	-	15	0.15	L	2	-	-	-	9	S	
124	32	0.00	L	0	-	-	0	-	-	0	-	-	103	2.22	H	71	71.00	H	0	-	-	32	0.00	L	0	-	-	-	13	S	
125	15	0.00	L	0	-	-	0	-	-	0	-	-	154	9.27	H	139	139.00	H	0	-	-	22	0.47	L	7	-	-	-	23	S	
127	1	-	-	0	-	-	0	-	-	0	-	-	64	63.00	H	63	63.00	H	0	-	-	1	0.00	L	0	-	-	-	8	S	
128	30	0.00	L	0	-	-	2	-	-	0	-	-	410	13.37	H	377	377.00	H	4	-	-	42	0.40	L	12	0.71	0.71	L	42	D	
129	4	-	-	0	-	-	0	-	-	1	-	-	71	16.75	H	67	67.00	H	0	-	-	4	0.00	L	0	-	-	-	24	S	
130	8	-	-	0	-	-	0	-	-	0	-	-	256	31.00	H	248	148.00	H	0	-	-	11	0.38	L	3	-	-	-	32	D	
131	1	-	-	0	-	-	0	-	-	0	-	-	50	49.00	H	49	49.00	H	0	-	-	3	2.00	H	2	-	-	-	7	S	
132	3	-	-	0	-	-	0	-	-	0	-	-	60	19.00	H	57	57.00	H	0	-	-	4	0.33	L	1	-	-	-	12	S	
149	118	0.00	L	0	-	-	118	0.0 0	L	0	-	-	0	-	-	0	-	-	0	-	-	118	0.00	L	0	-	-	-	-	10	S
165	219	0.00	L	0	-	-	4	-	-	0	-	-	230	0.07	L	1	-	-	14	14.00	H	224	0.02	L	5	-	-	-	20	S	
167	38	0.00	L	2	-	-	2	-	-	0	-	-	121	2.35	H	47	47.00	H	38	38.00	H	68	0.79	H	30	0.20	0.20	L	13	S	
169	201	0.00	L	0	-	-	0	-	-	0	-	-	209	0.04	L	5	-	-	3	-	-	299	0.49	L	98	0.23	0.23	L	26	D	
172	67	0.00	L	2	-	-	27	0.0 8	L	0	-	-	65	65.00	H	46	46.00	H	19	19.00	H	106	0.58	H	38	1.29	1.29	H	15	S	
200	41	0.00	L	0	-	-	29	0.0 0	L	0	-	-	0	-	-	0	-	-	0	-	-	56	0.37	L	15	0.07	0.00	L	17	S	

Sample	Ratio A			Ratio B									Ratio C									Ratio D			Ratio E				Ratio F	
	culm nodes: grains			rachis nodes: grains									glume bases: grains									weed seeds: grains			small : large weed seeds				Items: litres deposit	
	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
202	40	0.00	L	0	-	-	34	0.00	L	0	-	-	13	1.14	I	13	1.14	I	0	-	-	91	1.28	H	51	0.76	0.28	L	10	S
203	42	0.00	L	0	-	-	28	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	74	0.76	H	32	0.68	0.28	L	7	S
234	165	0.00	L	0	-	-	144	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	172	0.04	L	7	-	-	-	No Vol.	-
235	219	0.00	L	0	-	-	209	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	236	0.08	L	17	2.40	0.70	-	No Vol.	-
236	141	0.00	L	0	-	-	136	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	149	0.06	L	2	-	-	-	No Vol.	-
249	13	0.00	L	0	-	-	1	-	-	0	-	-	215	15.54	H	120	120.00	H	82	82.00	H	82	5.31	H	69	1.88	1.76	H	143	D
257	14	0.00	L	0	-	-	0	-	-	0	-	-	67	3.79	H	67	3.79	H	0	-	-	16	0.14	L	2	-	-	-	No Vol.	-
273	5	-	-	0	-	-	2	-	-	0	-	-	57	18.00	H	23	23.00	H	31	31.00	H	10	1.00	H	5	-	-	-	13	S
274	16	0.00	L	0	-	-	16	0.00	L	0	-	-	37	37.00	H	12	12.00	H	25	25.00	H	23	0.44	L	7	-	-	-	8	S
275	29	0.00	L	0	-	-	1	-	-	0	-	-	51	0.83	I	0	-	-	23	23.00	H	36	0.24	L	7	-	-	-	295	D
276	21	0.00	L	0	-	-	1	-	-	0	-	-	26	0.30	I	4	-	-	2	-	-	74	2.52	H	53	0.71	0.71	L	11	S
283	37	0.00	L	0	-	-	10	0.00	L	0	-	-	52	0.92	I	18	18.00	H	7	-	-	45	0.22	L	8	-	-	-	41	D
284	23	0.00	L	0	-	-	6	-	-	0	-	-	42	1.49	I	42	1.49	I	0	-	-	39	0.70	H	16	1.29	1.29	H	38	D
285	31	0.00	L	0	-	-	0	-	-	0	-	-	41	0.32	I	41	0.32	I	0	-	-	43	0.39	L	12	0.00	0.00	L	11	S
286	93	0.00	L	0	-	-	62	0.00	L	0	-	-	36	0.03	L	36	0.03	L	0	-	-	106	0.15	L	14	0.27	0.27	L	32	D
288	50	0.00	L	0	-	-	1	-	-	0	-	-	131	1.62	H	75	75.00	H	6	-	-	151	2.02	H	101	0.33	0.29	L	47	D
305	252	0.00	L	2	-	-	3	-	-	0	-	-	27	27.00	H	27	27.00	H	0	-	-	280	0.11	L	28	1.15	0.17	L	62	D
307	62	0.00	L	0	-	-	12	0.00	L	0	-	-	52	0.04	L	0	-	-	52	0.04	L	71	0.15	L	9	-	-	-	1.5	S
312	1198	0.00	L	3	-	-	193	0.00	L	0	-	-	402	402.00	H	9	-	-	393	393.00	H	2342	0.95	H	1144	6.15	4.81	H	343	D
313	184	0.00	L	0	-	-	436	0.00	L	0	-	-	1792	0.27	I	34	34.00	H	349	349.00	H	298	0.62	H	114	2.55	2.51	H	421	D

Sample	Ratio A			Ratio B									Ratio C									Ratio D			Ratio E				Ratio F		
	culm nodes: grains			rachis nodes: grains									glume bases: grains									weed seeds: grains			small : large weed seeds				Items: litres deposit		
	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume		
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation	
	5						0												0			8			3						
314	290	0.00	L	0	-	-	65	0.00	L	0	-	-	226	0.00	L	0	-	-	226	0.00	L	369	0.27	L	79	0.00	0.00	L	15	S	
315	807	0.00	L	1	-	-	13	0.43	H	0	-	-	1484	0.86	I	464	464.00	H	222	222.00	H	1256	0.56	H	449	0.19	0.19	L	243	D	
316	1518	0.00	L	2	-	-	18	0.13	L	0	-	-	1502	1.01	I	0	-	-	0	-	-	1165	0.53	H	402	0.11	0.10	L	240	D	
317	346	0.00	L	0	-	-	5	-	-	0	-	-	428	0.26	I	46	46.00	H	41	41.00	H	424	0.23	L	78	0.03	0.03	L	21	S	
322	60	0.00	L	0	-	-	32	0.00	L	0	-	-	37	0.32	I	0	-	-	37	0.32	I	72	0.20	L	12	1.40	1.00	-	8	S	
334	4	-	-	0	-	-	4	-	-	0	-	-	29	29.00	H	6	-	-	23	23.00	H	82	19.50	H	78	77.00	2.25	H	11	S	
349	21	0.00	L	0	-	-	8	-	-	0	-	-	54	3.19	H	13	0.00	L	14	14.00	H	38	0.81	H	17	0.42	0.21	L	8	S	
357	6	-	-	0	-	-	4	-	-	0	-	-	52	25.00	H	28	13.00	H	24	24.00	H	105	16.50	H	99	7.67	0.07	L	16	S	
364	19	0.00	L	7	-	-	0	-	-	0	-	-	908	46.79	H	908	46.79	H	0	-	-	65	2.42	H	46	24.00	7.33	H	961	D	
365	7	-	-	3	-	-	0	-	-	0	-	-	286	39.86	H	286	39.86	H	0	-	-	13	0.86	H	6	-	-	-	295	D	
366	21	0.00	L	0	-	-	0	-	-	0	-	-	107	4.10	H	107	4.10	H	0	-	-	25	0.19	L	4	-	-	-	28	D	
367	12	0.09	L	0	-	-	0	-	-	0	-	-	105	8.55	H	105	8.55	H	0	-	-	13	0.18	L	2	-	-	-	30	D	
368	34	0.00	L	1	-	-	0	-	-	0	-	-	441	11.97	H	441	11.97	H	0	-	-	38	0.12	L	4	-	-	-	95	D	
369	6	-	-	0	-	-	0	-	-	0	-	-	239	38.83	H	239	38.83	H	0	-	-	6	-	-	0	-	-	-	48	D	
371	144	0.00	L	5	-	-	55	0.20	L	0	-	-	479	3.87	H	479	3.87	H	0	-	-	159	0.10	L	15	1.14	0.88	-	55	D	
372	1365	0.00	L	0	-	-	262	0.06	L	0	-	-	2864	1.56	H	2864	1.56	H	0	-	-	1545	0.13	L	180	2.09	2.09	H	661	D	
373	233	0.00	L	0	-	-	57	0.07	L	0	-	-	491	1.73	H	491	1.73	H	0	-	-	241	0.03	L	8	-	-	-	111	D	
374	51	0.00	L	0	-	-	55	5.41	H	0	-	-	2739	63.44	H	2739	63.44	H	0	-	-	124	1.43	H	73	0.66	0.63	L	573	D	
375	465	0.00	L	0	-	-	136	0.16	L	0	-	-	965	1.77	H	965	1.77	H	0	-	-	490	0.05	L	25	0.81	0.71	L	225	D	
376	344	0.00	L	0	-	-	116	0.06	L	0	-	-	547	1.33	I	547	1.33	I	0	-	-	356	0.03	L	12	0.64	0.38	L	135	D	

Sample	Ratio A			Ratio B									Ratio C									Ratio D			Ratio E				Ratio F	
	culm nodes: grains			rachis nodes: grains									glume bases: grains									weed seeds: grains			small : large weed seeds				Items: litres deposit	
	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
377	66	0.00	L	0	-	-	25	0.25	I	0	-	-	793	16.11	H	793	16.11	H	0	-	-	80	0.21	L	14	1.00	1.00	-	166	D
378	400	0.00	L	0	-	-	125	0.21	I	0	-	-	1541	4.19	H	1541	4.19	H	0	-	-	472	0.18	L	72	3.00	1.74	H	174	D
379	71	0.00	L	0	-	-	35	0.06	L	0	-	-	773	19.11	H	773	19.11	H	0	-	-	88	0.24	L	17	3.00	2.00	H	83	D
380	14	0.00	L	0	-	-	14	0.00	L	0	-	-	1748	1748.00	H	1748	1748.00	H	0	-	-	23	0.64	H	9	-	-	-	354	D
381	156	0.00	L	0	-	-	51	0.00	L	0	-	-	158	0.50	I	158	0.50	I	0	-	-	169	0.08	L	13	0.88	0.67	L	22	S
382	34	0.00	L	0	-	-	20	1.29	H	0	-	-	1196	45.88	H	1196	45.88	H	0	-	-	54	0.59	H	20	20.00	20.00	H	618	D
383	18	0.00	L	0	-	-	6	-	-	0	-	-	1263	97.22	H	1263	97.22	H	0	-	-	45	1.50	H	27	3.50	2.60	H	130	D
384	515	0.00	L	0	-	-	0	-	-	0	-	-	555	0.08	L	555	0.08	L	0	-	-	515	0.00	L	0	-	-	H	No Vol.	-
385	243	0.00	L	0	-	-	0	-	-	0	-	-	247	0.02	L	247	0.02	L	0	-	-	243	0.00	L	0	-	-	-	No Vol.	-
386	137	0.00	L	0	-	-	0	-	-	0	-	-	139	0.01	L	139	0.01	L	0	-	-	137	0.00	L	0	-	-	-	No Vol.	-
423	16	0.06	L	0	-	-	19	0.45	H	0	-	-	66	23.63	H	19	19.00	H	44	44.00	H	121	6.56	H	105	10.60	8.67	H	27	D
439	7	-	-	0	-	-	1	-	-	0	-	-	49	6.00	H	0	-	-	49	6.00	H	162	22.14	H	155	10.63	3.04	H	31	D
451	4	-	-	0	-	-	6	-	-	0	-	-	67	32.50	H	14	14.00	H	51	51.00	H	397	98.25	H	393	7.92	6.96	H	67	D
452	10	0.00	L	0	-	-	0	-	-	0	-	-	94	8.40	H	31	31.00	H	53	53.00	H	51	4.10	H	41	1.00	0.91	-	79	S
454	5	-	-	0	-	-	0	-	-	0	-	-	54	9.80	H	15	15.00	H	34	34.00	H	25	4.00	H	20	1.22	0.82	-	11	S
457	16	0.00	L	0	-	-	2	-	-	0	-	-	100	6.35	H	16	16.00	H	53	53.00	H	16	0.00	L	0	-	-	-	15	S
466	0	-	-	0	-	-	0	-	-	0	-	-	52	52.00	H	9	-	-	43	43.00	H	5	-	-	5	-	-	-	8	S
471	11	0.00	L	0	-	-	8	-	-	0	-	-	49	6.36	H	5	-	-	37	37.00	H	46	3.18	H	35	35.00	17.00	H	13	S
474	427	0.00	L	27	0.00	L	15	0.00	L	0	-	-	385	0.00	L	385	0.00	L	0	-	-	429	0.00	L	2	-	-	-	61	D

Sample	Ratio A			Ratio B									Ratio C									Ratio D			Ratio E				Ratio F	
	culm nodes: grains			rachis nodes: grains									glume bases: grains									weed seeds: grains			small : large weed seeds				Items: litres deposit	
	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
475	533	0.00	L	0	-	-	6	-	-	0	-	-	1810	2.43	H	1810	2.43	H	0	-	-	537	0.01	L	4	-	-	-	260	D
478	116	0.00	L	0	-	-	4	-	-	0	-	-	523	3.67	H	523	3.67	H	0	-	-	120	0.03	L	4	-	-	-	18	S
479	42	0.05	L	0	-	-	0	-	-	0	-	-	50	0.25	I	50	0.25	I	0	-	-	64	0.60	H	24	0.76	0.58	L	5	S
484	19	0.00	L	0	-	-	0	-	-	0	-	-	246	11.95	H	123	123.00	H	0	-	-	49	1.58	H	30	1.36	1.36	H	15	S
485	67	0.02	L	0	-	-	0	-	-	0	-	-	706	9.70	H	706	9.70	H	0	-	-	162	1.45	H	96	3.43	3.43	H	73	D
486	45	0.00	L	0	-	-	0	-	-	0	-	-	538	10.96	H	538	10.96	H	0	-	-	141	2.13	H	96	3.69	3.69	H	29	D
487	97	0.00	L	0	-	-	0	-	-	0	-	-	106	0.09	L	106	0.09	L	0	-	-	158	0.63	H	61	3.88	3.33	H	9	S
488	19	0.00	L	0	-	-	0	-	-	0	-	-	71	2.74	H	71	2.74	H	0	-	-	193	9.16	H	174	8.00	6.62	H	No Vol.	-
501	0	-	-	2	-	-	3	-	-	0	-	-	65	65.00	H	45	45.00	H	20	20.00	H	367	367.00	H	367	8.58	0.36	-	4	S
546	513	0.00	L	0	-	-	595	0.17	L	0	-	-	0	-	-	0	-	-	0	-	-	765	0.49	L	252	13.82	3.75	H	341	D
547	479	0.00	L	0	-	-	45	0.00	L	0	-	-	487	0.12	L	487	0.12	L	0	-	-	544	0.14	L	65	0.03	0.03	L	12	S
548	242	0.00	L	0	-	-	13	0.00	L	0	-	-	245	0.07	L	245	0.07	L	0	-	-	273	0.13	L	31	0.07	0.07	L	4	S
550	73	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	76	0.04	L	3	-	-	-	2	S
556	1411	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	1415	0.00	L	4	-	-	-	13476	D
557	920	0.00	L	0	-	-	10	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	924	0.00	L	4	-	-	-	No Vol.	-
558	623	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	623	0.00	L	0	-	-	-	9585	D
559	463	0.00	L	0	-	-	12	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	465	0.00	L	2	-	-	-	No Vol.	-
560	787	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	789	0.00	L	2	-	-	-	10520	D
561	661	0.00	L	0	-	-	8	-	-	0	-	-	0	-	-	0	-	-	0	-	-	662	0.00	L	1	-	-	-	1237	D
562	682	0.00	L	0	-	-	7	-	-	0	-	-	0	-	-	0	-	-	0	-	-	691	0.01	L	9	-	-	-	10630	D
563	129	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	130	0.00	L	6	-	-	-	2719	D

Sample	Ratio A			Ratio B									Ratio C									Ratio D			Ratio E				Ratio F	
	culm nodes: grains			rachis nodes: grains									glume bases: grains									weed seeds: grains			small : large weed seeds				Items: litres deposit	
	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
	9																													
564	232 7	0.00	L	0	-	-	6	-	-	0	-	-	0	-	-	0	-	-	0	-	-	5 233 6	0.00	L	9	-	-	-	3337	D
565	134 3	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	134 3	0.00	L	0	-	-	-	7259	D
566	770	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	774	0.01	L	4	-	-	-	6730	D
567	108 6	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	109 2	0.01	L	6	-	-	-	5200	D
568	193 9	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	193 9	0.00	L	0	-	-	-	No Vol.	-
569	272	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	275	0.01	L	3	-	-	-	529	D
570	224	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	224	0.00	L	0	-	-	-	No Vol.	-
571	274	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	276	0.01	L	2	-	-	-	40	D
572	469	0.00	L	0	-	-	3	-	-	0	-	-	468	0.00	L	468	0.00	L	0	-	-	470	0.00	L	1	-	-	-	1180 0	D
573	528	0.00	L	0	-	-	8	-	-	0	-	-	527	0.02	L	524	0.01	L	0	-	-	528	0.01	L	3	-	-	-	1655.	D
574	302	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	302	0.00	L	0	-	-	-	2013 3	D
575	951	0.00	L	0	-	-	4	-	-	0	-	-	953	0.01	L	953	0.01	L	0	-	-	958	0.01	L	7	-	-	-	255	D
576	816	0.00	L	0	-	-	13	0.0 0	L	0	-	-	808	0.01	L	808	0.01	L	0	-	-	818	0.00	L	2	-	-	-	548	D
577	101 4	0.00	L	0	-	-	8	-	-	0	-	-	1014	0.01	L	8	-	-	0	-	-	102 4	0.01	L	14	0.08	0.00	L	224	D
578	582	0.00	L	0	-	-	0	-	-	0	-	-	584	0.00	L	584	0.00	L	0	-	-	583	0.00	L	1	-	-	-	1950	D
579	764	0.00	L	0	-	-	3	-	-	0	-	-	0	-	-	0	-	-	0	-	-	766	0.00	L	2	-	-	-	709	D
580	203	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	203	0.00	L	0	-	-	-	102	D
581	102 7	0.00	L	0	-	-	18	0.0 0	L	0	-	-	0	-	-	0	-	-	0	-	-	102 8	0.00	L	1	-	-	-	373	D
588	41	0.00	L	0	-	-	17	0.0 0	L	0	-	-	27	0.18	L	3	-	-	0	-	-	53	0.33	L	13	12.00	12.0 0	H	4	S

Sample	Ratio A			Ratio B									Ratio C									Ratio D			Ratio E				Ratio F	
	culm nodes: grains			rachis nodes: grains									glume bases: grains									weed seeds: grains			small : large weed seeds				Items: litres deposit	
	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
594	137	0.02	L	0	-	-	37	0.03	L	3	-	-	304	2.09	H	304	2.09	H	0	-	-	1423	9.62	H	1289	4.26	1.32	H	6	S
595	90	0.10	L	0	-	-	24	0.41	H	0	-	-	512	6.87	H	512	6.87	H	0	-	-	1980	23.15	H	1898	7.25	2.31	H	14	S
596	23	0.15	L	0	-	-	3	-	-	3	-	-	309	18.31	H	309	18.31	H	0	-	-	1666	82.30	H	1646	10.43	2.25	H	11	S
607	97	0.00	L	69	0.00	L	5	-	-	0	-	-	57	1.48	I	57	1.48	I	0	-	-	292	2.01	H	195	38.00	10.47	H	326	D
623	13	0.08	L	0	-	-	0	-	-	0	-	-	98	7.17	H	98	7.17	H	0	-	-	18	0.50	I	6	-	-	-	105	D
624	11	0.00	L	0	-	-	0	-	-	0	-	-	198	17.00	H	198	17.00	H	0	-	-	19	0.73	H	8	-	-	-	206	D
625	6	-	-	0	-	-	0	-	-	0	-	-	181	29.17	H	181	29.17	H	0	-	-	9	0.50	I	3	-	-	-	184	D
626	6	-	-	0	-	-	0	-	-	0	-	-	174	28.00	H	174	28.00	H	0	-	-	10	0.67	H	4	-	-	-	178	D
627	14	0.08	L	0	-	-	0	-	-	0	-	-	666	50.23	H	666	50.23	H	0	-	-	21	0.62	H	8	-	-	-	675	D
628	27	0.00	L	0	-	-	0	-	-	0	-	-	82	2.04	H	82	2.04	H	0	-	-	29	0.07	L	2	-	-	-	84	D
629	12	0.00	L	0	-	-	0	-	-	0	-	-	70	4.83	H	70	4.83	H	0	-	-	14	0.17	L	2	-	-	-	72	D
630	18	0.00	L	0	-	-	0	-	-	0	-	-	105	4.83	H	105	4.83	H	0	-	-	21	0.17	L	3	-	-	-	108	D
631	5	-	-	0	-	-	0	-	-	0	-	-	82	15.40	H	82	15.40	H	0	-	-	7	0.40	L	2	-	-	-	84	D
632	34	0.00	L	0	-	-	0	-	-	0	-	-	248	6.29	H	248	6.29	H	0	-	-	46	0.35	L	12	0.20	0.20	L	260	D
634	95	0.00	L	0	-	-	0	-	-	0	-	-	113	0.19	L	5	-	-	13	13.00	H	143	0.51	H	48	0.85	0.71	L	20	S
635	16	0.00	L	0	-	-	3	-	-	0	-	-	46	2.58	H	46	2.58	H	0	-	-	131	7.19	H	115	1.17	0.89	-	7	S
636	44	0.05	L	0	-	-	29	1.96	H	0	-	-	63	0.96	I	63	0.96	I	0	-	-	127	2.02	H	85	1.83	1.83	H	16	S
637	110	0.02	L	0	-	-	0	-	-	0	-	-	108	0.06	L	0	-	-	0	-	-	341	2.34	H	239	2.41	2.14	H	87	D
638	34	0.03	L	0	-	-	6	-	-	0	-	-	190	5.39	H	190	5.39	H	0	-	-	163	3.94	H	130	0.69	0.60	L	36	D
639	89	0.09	L	0	-	-	1	-	-	0	-	-	185	1.26	I	185	1.26	I	0	-	-	402	3.90	H	320	0.21	0.16	L	46	D
640	13	0.00	L	0	-	-	0	-	-	0	-	-	63	3.85	H	63	3.85	H	0	-	-	18	0.38	L	5	-	-	-	3	S
641	88	0.05	L	0	-	-	0	-	-	0	-	-	616	6.33	H	616	6.33	H	0	-	-	97	0.15	L	13	1.60	1.60	H	28	D
642	63	0.00	L	0	-	-	3	-	-	0	-	-	544	8.11	H	544	8.11	H	0	-	-	77	0.22	L	14	0.40	0.40	L	22	S
643	18	0.00	L	0	-	-	0	-	-	0	-	-	95	4.28	H	72	3.00	H	23	23.00	H	23	0.28	L	5	-	-	-	4	S
645	20	0.05	L	0	-	-	0	-	-	0	-	-	94	3.95	H	94	3.95	H	0	-	-	26	0.37	L	7	-	-	-	4	S

Sample	Ratio A			Ratio B									Ratio C									Ratio D			Ratio E				Ratio F	
	culm nodes: grains			rachis nodes: grains									glume bases: grains									weed seeds: grains			small : large weed seeds				Items: litres deposit	
	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
646	0	-	-	0	-	-	0	-	-	0	-	-	44	44.00	H	44	44.00	H	0	-	-	6	-	-	6	-	-	-	2	F
647	9	-	L	0	-	-	0	-	-	0	-	-	105	12.13	H	105	12.13	H	0	-	-	28	2.50	H	20	4.00	4.00	H	7	S
648	91	0.00	L	0	-	-	4	-	-	0	-	-	1630	16.91	H	1630	16.91	H	0	-	-	180	0.98	H	89	3.24	3.24	H	82	F
651	185	0.00	L	0	-	-	102	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	204	0.10	L	19	0.00	0.00	L	9	S
654	229	0.00	L	0	-	-	193	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	232	0.01	L	3	-	-	-	No Vol.	-
656	554	0.00	L	0	-	-	217	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	571	0.03	L	17	0.00	0.00	L	No Vol.	-
657	147	0.00	L	0	-	-	8	-	-	0	-	-	0	-	-	0	-	-	0	-	-	151	0.03	L	4	-	-	-	No Vol.	-
658	144	0.00	L	0	-	-	20	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	151	0.05	L	7	-	-	-	No Vol.	-
660	285	0.00	L	0	-	-	90	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	297	0.04	L	12	0.00	0.00	L	No Vol.	-
663	175	0.00	L	0	-	-	22	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	178	0.02	L	3	-	-	-	No Vol.	-
664	335	0.00	L	0	-	-	112	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	339	0.01	L	4	-	-	-	No Vol.	-
665	187	0.00	L	0	-	-	57	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	189	0.01	L	2	-	-	-	No Vol.	-
666	186	0.00	L	0	-	-	96	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	190	0.02	L	4	-	-	-	No Vol.	-
668	93	0.00	L	0	-	-	11	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	99	0.06	L	6	-	-	-	No Vol.	-
673	156	0.00	L	0	-	-	117	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	158	0.01	L	2	-	-	-	No Vol.	-
678	242	0.00	L	0	-	-	46	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	304	0.26	L	62	0.02	0.00	L	No Vol.	-
680	1790	0.00	L	0	-	-	110	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	1857	0.04	L	67	0.06	0.06	L	No Vol.	-

Sample	Ratio A			Ratio B									Ratio C									Ratio D			Ratio E				Ratio F	
	culm nodes: grains			rachis nodes: grains									glume bases: grains									weed seeds: grains			small : large weed seeds				Items: litres deposit	
	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
684	70	0.00	L	0	-	-	5	-	-	0	-	-	0	-	-	0	-	-	0	-	-	73	0.04	L	3	-	-	-	No Vol.	-
693	120	0.00	L	0	-	-	12	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	121	0.01	L	1	-	-	-	No Vol.	-
694	71	0.00	L	0	-	-	2	-	-	0	-	-	0	-	-	0	-	-	0	-	-	76	0.07	L	5	-	-	-	No Vol.	-
718	1081	0.00	L	131	0.00	L	228	0.00	L	0	-	-	750	0.04	L	597	0.05	L	153	0.00	L	1197	0.11	L	117	0.36	0.29	L	41	D
719	12	0.00	L	12	0.00	L	1	-	-	0	-	-	2	-	-	2	-	-	0	-	-	78	5.50	H	66	5.00	1.13	H	2	S
720	207	0.00	L	31	0.00	L	1	-	-	0	-	-	232	0.33	I	57	57.00	H	175	0.00	L	221	0.07	L	14	1.00	0.40	-	28	D
721	185	0.00	L	117	0.00	L	0	-	-	3	-	-	1089	15.74	H	1024	1024.00	H	0	-	-	530	1.86	H	345	0.24	0.23	L	155	D
722	213	0.00	L	151	0.00	L	10	-	-	0	-	-	1147	19.21	H	1090	1090.00	H	0	-	-	516	1.42	H	303	0.62	0.57	L	161	D
727	70	0.04	L	0	-	-	0	-	-	0	-	-	71	0.06	L	71	0.06	L	0	-	-	71	0.06	L	4	-	-	-	8	S
728	163	0.00	L	129	0.00	L	0	-	-	0	-	-	36	0.06	L	2	-	-	0	-	-	164	0.01	L	1	-	-	-	17	S
729	120	0.00	L	0	-	-	15	0.00	L	0	-	-	1105	9.52	H	1000	1000.00	H	0	-	-	720	5.00	H	600	0.14	0.14	L	43	D
730	0	-	-	0	-	-	0	-	-	0	-	-	126	126.00	H	126	126.00	H	0	-	-	14	14.00	H	14	0.40	0.17	L	3	S
731	280	0.00	L	62	0.00	L	0	-	-	0	-	-	1418	5.51	H	1200	1200.00	H	0	-	-	735	1.63	H	455	0.24	0.24	L	97	D
732	43	0.02	L	33	0.00	L	0	-	-	0	-	-	25	1.71	H	16	16.00	H	0	-	-	94	1.24	H	52	1.17	1.08	H	11	S
733	41	0.00	L	41	0.00	L	0	-	-	0	-	-	278	278.00	H	278	278.00	H	0	-	-	52	0.27	L	11	0.10	0.10	L	8	S
734	167	0.02	L	0	-	-	3	-	-	0	-	-	165	0.02	L	4	-	-	0	-	-	165	0.01	L	1	-	-	-	17	S
737	11	0.00	L	0	-	-	1	-	-	0	-	-	79	6.90	H	79	6.90	H	0	-	-	25	1.27	H	14	1.80	1.33	H	9	S
738	20	0.11	L	0	-	-	0	-	-	0	-	-	28	0.56	I	10	10.00	H	0	-	-	72	3.00	H	54	3.15	2.60	H	8	S
741	46	0.00	L	1	-	-	0	-	-	0	-	-	76	0.65	I	30	30.00	H	0	-	-	66	0.43	L	20	1.22	1.00	-	10	S
743	16	0.00	L	0	-	-	3	-	-	0	-	-	141	9.16	H	141	9.16	H	0	-	-	29	0.81	H	13	0.18	0.18	L	10	S
747	46	0.00	L	0	-	-	18	0.06	L	0	-	-	46	0.59	I	46	0.59	I	0	-	-	49	0.07	L	3	-	-	-	4	S

Sample	Ratio A			Ratio B									Ratio C									Ratio D			Ratio E				Ratio F	
	culm nodes: grains			rachis nodes: grains									glume bases: grains									weed seeds: grains			small : large weed seeds				Items: litres deposit	
	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
748	44	0.00	L	0	-	-	5	-	-	0	-	-	104	1.59	H	104	1.59	H	0	-	-	49	0.11	L	5	-	-	-	8	S
749	138	0.00	L	0	-	-	28	0.04	L	0	-	-	327	1.95	H	327	1.95	H	0	-	-	170	0.23	L	32	0.07	0.07	L	13	S
751	83	0.00	L	0	-	-	19	0.00	L	0	-	-	70	0.09	L	70	0.09	L	0	-	-	88	0.06	L	5	-	-	-	6	S
752	57	0.00	L	0	-	-	13	0.00	L	0	-	-	121	1.74	H	121	1.74	H	0	-	-	65	0.14	L	8	-	-	-	9	S
753	171	0.00	L	0	-	-	22	0.00	L	0	-	-	313	1.10	I	313	1.10	I	0	-	-	183	0.07	L	12	0.09	0.09	L	12	S
754	100	0.00	L	0	-	-	23	0.00	L	0	-	-	172	1.23	I	172	1.23	I	0	-	-	118	0.18	L	18	0.38	0.38	L	14	S
755	114	0.00	L	0	-	-	15	0.00	L	0	-	-	1282	11.93	H	1282	11.93	H	0	-	-	136	0.19	L	22	0.05	0.05	L	88	D
756	125	0.00	L	0	-	-	8	-	-	0	-	-	853	6.31	H	853	6.31	H	0	-	-	145	0.16	L	20	0.00	0.00	L	59	D
757	39	0.00	L	0	-	-	0	-	-	0	-	-	228	4.85	H	228	4.85	H	0	-	-	53	0.36	L	14	0.27	0.27	L	16	S
758	167	0.00	L	0	-	-	47	0.02	L	0	-	-	366	2.03	H	366	2.03	H	0	-	-	193	0.16	L	26	0.04	0.04	L	44	D
759	243	0.00	L	36	0.00	L	78	0.04	L	0	-	-	347	1.63	H	347	1.63	H	0	-	-	417	0.72	H	174	0.89	0.89	L	42	D
760	191	0.00	L	0	-	-	82	0.00	L	0	-	-	446	3.09	H	446	3.09	H	0	-	-	220	0.15	L	29	0.21	0.21	L	37	D
761	76	0.00	L	0	-	-	7	-	-	0	-	-	438	5.38	H	438	5.38	H	0	-	-	124	0.63	H	48	0.07	0.07	L	33	D
762	264	0.00	L	0	-	-	83	0.00	L	0	-	-	906	4.01	H	906	4.01	H	0	-	-	333	0.26	L	69	0.15	0.15	L	106	D
763	68	0.00	L	0	-	-	14	0.00	L	0	-	-	109	1.02	I	109	1.02	I	0	-	-	86	0.26	L	18	0.38	0.38	L	14	S
764	107	0.00	L	0	-	-	18	0.00	L	0	-	-	712	6.97	H	712	6.97	H	0	-	-	195	0.82	H	88	0.06	0.06	L	82	D
765	115	0.00	L	0	-	-	19	0.45	H	0	-	-	910	7.95	H	910	7.95	H	0	-	-	196	0.70	H	81	0.05	0.05	L	67	D
767	40	0.00	L	0	-	-	6	-	-	0	-	-	397	10.59	H	397	10.59	H	0	-	-	74	0.85	H	34	0.03	0.03	L	29.	D

Sample	Ratio A			Ratio B									Ratio C									Ratio D			Ratio E				Ratio F	
	culm nodes: grains			rachis nodes: grains									glume bases: grains									weed seeds: grains			small : large weed seeds				Items: litres deposit	
	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
768	136	0.00	L	0	-	-	24	0.04	L	0	-	-	175	0.55	I	175	0.55	I	0	-	-	146	0.07	L	10	0.25	0.25	L	14	S
770	18	0.00	L	0	-	-	5	-	-	0	-	-	77	4.67	H	77	4.67	H	0	-	-	24	0.33	L	6	-	-	-	6	S
771	478	0.00	L	0	-	-	179	0.01	L	0	-	-	804	1.68	H	804	1.68	H	0	-	-	772	0.62	H	294	0.05	0.05	L	85	D
775	107	0.00	L	0	-	-	17	0.30	I	0	-	-	557	4.95	H	557	4.95	H	0	-	-	139	0.30	L	32	0.00	0.00	L	40	D
776	76	0.00	L	0	-	-	19	0.00	L	0	-	-	99	0.74	I	99	0.74	I	0	-	-	101	0.33	L	25	0.47	0.47	L	10	S
777	72	0.00	L	0	-	-	16	0.07	L	0	-	-	335	4.85	H	335	4.85	H	0	-	-	122	0.69	H	50	0.43	0.43	L	27	D
778	47	0.00	L	0	-	-	19	0.47	H	0	-	-	721	20.00	H	721	20.00	H	0	-	-	61	0.30	L	14	0.56	0.56	L	50	D
779	80	0.00	L	0	-	-	16	0.14	L	0	-	-	559	7.45	H	559	7.45	H	0	-	-	101	0.26	L	21	0.91	0.91	L	40	D
780	28	0.00	L	0	-	-	4	-	-	0	-	-	51	1.04	I	51	1.04	I	0	-	-	32	0.14	L	4	-	-	-	4	S
782	30	0.00	L	0	-	-	7	-	-	0	-	-	97	3.07	H	97	3.07	H	0	-	-	38	0.27	L	8	-	-	-	4	S
783	148	0.00	L	0	-	-	24	0.40	H	0	-	-	1650	11.63	H	1650	11.63	H	0	-	-	185	0.25	L	37	1.47	1.47	H	57	D
784	114	0.02	L	0	-	-	32	0.07	L	0	-	-	810	8.91	H	810	8.91	H	0	-	-	143	0.28	L	31	0.41	0.41	L	18	S
786	46	0.00	L	0	-	-	8	-	-	0	-	-	340	7.88	H	340	7.88	H	0	-	-	65	0.41	L	19	0.19	0.19	L	24	S
797	44	0.00	L	0	-	-	9	-	-	0	-	-	55	0.58	I	55	0.58	I	0	-	-	45	0.02	L	1	-	-	-	4	S
798	282	0.00	L	0	-	-	290	0.04	L	0	-	-	0	-	-	0	-	-	0	-	-	291	0.04	L	10	0.67	0.67	L	20	S
804	13	0.00	L	0	-	-	3	-	-	0	-	-	47	3.79	H	47	3.79	H	0	-	-	15	0.15	L	2	-	-	-	3	S
805	18	0.00	L	0	-	-	7	-	-	0	-	-	54	3.82	H	54	3.82	H	0	-	-	23	0.28	L	5	-	-	-	4	S
806	25	0.04	L	0	-	-	8	-	-	0	-	-	419	25.95	H	419	25.95	H	0	-	-	26	0.08	L	2	-	-	-	29	D
810	28	0.00	L	0	-	-	8	-	-	0	-	-	132	4.96	H	132	4.96	H	0	-	-	36	0.29	L	8	-	-	-	10	S
811	13	0.00	L	0	-	-	2	-	-	0	-	-	78	5.71	H	78	5.71	H	0	-	-	22	0.69	H	9	-	-	-	9	S
813	28	0.00	L	0	-	-	14	0.0	L	0	-	-	42	2.00	H	42	2.00	H	0	-	-	34	0.21	L	6	-	-	-	6	S

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	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
								0																						
814	24	0.00	L	0	-	-	3	-	-	0	-	-	126	5.05	H	126	5.05	H	0	-	-	27	0.13	L	3	-	-	-	9	S
817	55	0.00	L	0	-	-	8	-	-	0	-	-	47	0.73	I	27	0.00	L	0	-	-	40	0.14	L	5	-	-	-	6	S
819	26	0.00	L	0	-	-	2	-	-	0	-	-	70	1.93	H	70	1.93	H	0	-	-	35	0.35	L	9	-	-	-	8	S
823	376	0.00	L	0	-	-	76	0.03	L	0	-	-	1381	3.58	H	1381	3.58	H	0	-	-	494	0.31	L	118	0.53	0.53	L	53	D
824	24	0.04	L	0	-	-	14	0.72	H	0	-	-	262	16.88	H	262	16.88	H	0	-	-	42	0.83	H	19	1.71	1.38	H	10	S
825	111	0.00	L	0	-	-	38	0.09	L	0	-	-	255	2.36	H	255	2.36	H	0	-	-	154	0.39	L	43	0.02	0.02	L	22	S
826	198	0.00	L	0	-	-	128	0.00	L	0	-	-	416	4.94	H	416	4.94	H	0	-	-	251	0.27	L	53	0.15	0.15	L	40	D
827	362	0.00	L	0	-	-	91	0.05	L	0	-	-	2666	8.73	H	2666	8.73	H	0	-	-	477	0.32	L	116	0.30	0.29	L	192	D
828	462	0.00	L	0	-	-	58	0.00	L	0	-	-	1836	3.55	H	1836	3.55	H	0	-	-	627	0.36	L	165	0.28	0.28	L	206	D
829	938	0.00	L	0	-	-	202	0.00	L	0	-	-	3665	3.98	H	3665	3.98	H	0	-	-	1098	0.17	L	160	0.13	0.13	L	134	D
830	344	0.00	L	0	-	-	59	0.00	L	0	-	-	663	1.33	I	663	1.33	I	0	-	-	377	0.10	L	33	0.06	0.06	L	25	D
831	400	0.00	L	0	-	-	54	0.04	L	0	-	-	721	1.07	I	721	1.07	I	0	-	-	424	0.06	L	24	0.33	0.33	L	13	S
834	92	0.00	L	0	-	-	9	-	-	0	-	-	127	0.53	I	127	0.53	I	0	-	-	96	0.04	L	4	-	-	-	2	S
835	60	0.00	L	0	-	-	8	-	-	0	-	-	106	1.04	I	106	1.04	I	0	-	-	77	0.28	L	17	0.70	0.70	L	2	S
836	71	0.00	L	0	-	-	10	-	-	0	-	-	109	0.78	I	109	0.78	I	0	-	-	80	0.13	L	9	-	-	-	2	S
840	27	0.00	L	0	-	-	5	-	-	0	-	-	35	0.59	I	35	0.59	I	0	-	-	37	0.37	L	10	0.67	0.67	L	0	S
842	22	0.00	L	0	-	-	8	-	-	0	-	-	48	2.43	H	48	2.43	H	0	-	-	27	0.23	L	5	-	-	-	2	S
850	76	0.00	L	0	-	-	24	0.00	L	0	-	-	107	1.05	I	107	1.05	I	0	-	-	84	0.11	L	8	-	-	-	3	S
851	28	0.00	L	0	-	-	14	0.16	L	0	-	-	81	4.18	H	81	4.18	H	0	-	-	29	0.04	L	1	-	-	-	3	S

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	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
853	17	0.00	L	0	-	-	6	-	-	0	-	-	96	7.50	H	96	7.50	H	0	-	-	30	0.76	H	13	0.44	0.44	L	7	S
854	15	0.07	L	0	-	-	6	-	-	0	-	-	82	9.25	H	82	9.25	H	0	-	-	19	0.36	L	5	-	-	-	6	S
855	61	0.00	L	0	-	-	14	0.17	L	0	-	-	351	6.13	H	351	6.13	H	0	-	-	86	0.41	L	25	0.09	0.09	L	26	D
857	51	0.00	L	0	-	-	11	0.00	L	0	-	-	43	0.07	L	43	0.07	L	0	-	-	54	0.06	L	3	-	-	-	3	S
863	20	0.00	L	0	-	-	9	-	-	0	-	-	58	4.23	H	58	4.23	H	0	-	-	25	0.25	L	5	-	-	-	3	S
866	67	0.02	L	0	-	-	27	0.00	L	0	-	-	309	6.92	H	309	6.92	H	0	-	-	91	0.38	L	25	0.19	0.19	L	24	S
869	27	0.00	L	0	-	-	6	-	-	0	-	-	83	3.00	H	83	3.00	H	0	-	-	30	0.11	L	3	-	-	-	307	S
870	35	0.00	L	0	-	-	18	0.00	L	0	-	-	160	8.11	H	160	8.11	H	0	-	-	42	0.20	L	7	-	-	-	6	S
873	69	0.00	L	0	-	-	11	0.00	L	0	-	-	79	0.36	I	79	0.36	I	0	-	-	74	0.07	L	5	-	-	-	6	S
891	285	0.00	L	0	-	-	4	-	-	0	-	-	1389	3.94	H	1108	1108.00	H	0	-	-	362	0.27	L	77	0.15	0.10	L	No Vol.	-
892	21	0.00	L	0	-	-	0	-	-	7	-	-	38	1.71	H	24	24.00	H	0	-	-	27	0.29	L	6	-	-	-	No Vol.	-
893	6	-	-	1	-	-	1	-	-	0	-	-	2005	400.00	H	2000	2000.00	H	0	-	-	9	-	-	3	-	-	-	No Vol.	-
904	499	0.00	L	0	-	-	2	-	-	0	-	-	497	0.00	L	0	-	-	0	-	-	532	0.07	L	33	0.43	0.38	L	No Vol.	-
931	27	0.00	L	0	-	-	0	-	-	0	-	-	90	2.33	H	55	55.00	H	8	-	-	33	0.22	L	6	-	-	-	6	S
932	91	0.00	L	0	-	-	0	-	-	0	-	-	108	2.27	H	0	-	-	17	17.00	H	40	0.21	L	7	-	-	-	7	S
933	89	0.00	L	0	-	-	1	-	-	0	-	-	286	2.21	H	172	172.00	H	25	25.00	H	112	0.26	L	23	0.77	0.77	L	20	S
938	60	0.00	L	0	-	-	0	-	-	0	-	-	60	0.00	L	0	-	-	0	-	-	62	0.03	L	2	-	-	-	2	S
940	183	0.00	L	0	-	-	18	0.00	L	0	-	-	169	0.02	L	4	-	-	0	-	-	186	0.02	L	3	-	-	-	6	S
941	121	0.00	L	0	-	-	34	0.00	L	0	-	-	87	0.00	L	0	-	-	0	-	-	121	0.00	L	0	-	-	-	8	S
943	98	0.00	L	0	-	-	4	-	-	0	-	-	94	0.00	L	0	-	-	0	-	-	98	0.00	L	0	-	-	-	6	S

Sample	Ratio A			Ratio B									Ratio C									Ratio D			Ratio E				Ratio F	
	culm nodes: grains			rachis nodes: grains									glume bases: grains									weed seeds: grains			small : large weed seeds				Items: litres deposit	
	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
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945	318	0.00	L	0	-	-	0	-	-	0	-	-	341	0.07	L	23	23.00	H	0	-	-	328	0.03	L	10	0.25	0.25	L	23	S
946	53	0.00	L	0	-	-	13	0.00	L	0	-	-	40	0.00	L	0	-	-	0	-	-	84	0.58	H	31	14.50	14.50	H	5	S
947	598	0.00	L	0	-	-	590	0.00	L	0	-	-	8	-	-	0	-	-	0	-	-	598	0.00	L	0	-	-	20	20	S
948	131	0.00	L	0	-	-	0	-	-	0	-	-	133	0.02	L	2	-	-	0	-	-	143	0.09	L	12	0.09	0.00	L	19	S
949	239	0.00	L	0	-	-	0	-	-	0	-	-	246	0.03	L	7	-	-	0	-	-	287	0.20	L	48	0.71	0.60	L	20	S
952	61	0.00	L	0	-	-	0	-	-	0	-	-	84	0.38	I	23	23.00	H	0	-	-	146	1.39	H	85	0.27	0.27	L	11	S
953	31	0.00	L	0	-	-	0	-	-	0	-	-	101	2.26	H	70	70.00	H	0	-	-	126	3.06	H	95	0.56	0.56	L	13	S
954	18	0.00	L	0	-	-	3	-	-	0	-	-	193	11.69	H	178	178.00	H	0	-	-	46	1.56	H	28	2.11	1.15	H	15	S
956	10	0.00	L	0	-	-	0	-	-	0	-	-	13	0.30	I	13	0.30	I	0	-	-	74	6.40	H	64	63.00	11.80	H	160	D
957	963	0.00	L	0	-	-	2	-	-	0	-	-	961	0.00	L	0	-	-	0	-	-	1013	0.05	L	52	0.02	0.02	L	1015	D
971	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	211	211.00	H	211	104.50	2.52	H	211	D
985	1090	0.00	L	0	-	-	4	-	-	0	-	-	1086	0.00	L	0	-	-	0	-	-	1113	0.02	L	26	0.63	0.18	L	23	S
986	574	0.00	L	0	-	-	3	-	-	5	-	-	570	0.01	L	570	0.01	L	0	-	-	616	0.07	L	42	0.00	0.00	L	103	D
987	477	0.00	L	0	-	-	473	0.00	L	0	-	-	4	-	-	0	-	-	0	-	-	1137	1.39	H	661	2.89	1.86	H	24	S
988	14	0.00	L	0	-	-	2	-	-	0	-	-	12	0.20	I	0	-	-	0	-	-	625	51.08	H	613	14.72	9.05	H	52	D
989	230	0.00	L	0	-	-	227	0.00	L	0	-	-	11	3.06	I	11	3.06	H	0	-	-	386	0.68	H	156	1.74	1.17	H	33	D
991	50	0.00	L	0	-	-	45	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	316	5.32	H	266	4.43	2.69	H	13	S
1011	827	0.00	L	0	-	-	75	0.00	L	0	-	-	761	0.01	L	761	0.01	L	0	-	-	828	0.00	L	1	-	-	-	523	D
1026	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	63	63.00	H	63	3.20	1.17	H	5	S
103	12	0.00	L	0	-	-	12	0.0	L	0	-	-	0	-	-	0	-	-	0	-	-	63	4.25	H	51	24.50	3.64	H	5	S

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0								0																						
103 3	266 5	0.00	L	0	-	-	68	0.0 0	L	0	-	-	0	-	-	0	-	-	0	-	-	270 5	0.02	L	40	0.05	0.05	L	No Vol.	-
103 5	606	0.00	L	0	-	-	9	-	-	0	-	-	602	0.01	L	602	0.01	L	0	-	-	639	0.05	L	33	0.00	0.00	L	No Vol.	-
103 6	148	0.00	L	0	-	-	146	0.0 0	L	0	-	-	0	-	-	0	-	-	0	-	-	150	0.01	L	2	-	-	-	No Vol.	-
103 8	158	0.00	L	0	-	-	154	0.0 0	L	0	-	-	4	-	-	0	-	-	0	-	-	167	0.06	L	10	0.00	0.00	L	No Vol.	-
103 9	752	0.00	L	0	-	-	20	0.0 0	L	0	-	-	876	0.20	L	876	0.20	L	0	-	-	775	0.03	L	23	0.00	0.00	L	184	D
108 5	15	0.00	L	0	-	-	5	-	-	0	-	-	445	38.58	H	431	431.00	H	3	-	-	25	0.67	H	10	1.00	1.00	-	118	D
108 6	83	0.00	L	0	-	-	0	-	-	0	-	-	145	0.75	I	145	0.75	I	0	-	-	96	0.16	L	13	0.08	0.08	L	198	D
109 2	22	0.00	L	0	-	-	10	0.1 1	L	0	-	-	19	0.48	I	6	-	-	0	-	-	44	1.00	H	22	0.57	0.29	L	4	S
109 3	0	-	-	0	-	-	1	-	-	0	-	-	42	42.00	H	39	39.00	H	3	-	-	49	49.00	H	49	1.88	1.45	H	8	S
109 4	0	-	-	0	-	-	0	-	-	0	-	-	2	-	-	2	-	-	0	-	-	84	84.00	H	84	3.42	1.47	H	7	S
109 7	147	0.00	L	0	-	-	59	0.0 0	L	0	-	-	97	0.10	L	9	-	-	0	-	-	192	0.31	L	45	1.25	0.88	-	17	S
109 9	56	0.00	L	0	-	-	16	0.0 0	L	0	-	-	106	1.65	H	66	66.00	H	0	-	-	76	0.36	L	20	0.25	0.18	L	12	S
110 0	3	-	-	0	-	-	0	-	-	0	-	-	164	53.67	H	161	161.00	H	0	-	-	10	2.33	H	7	-	-	-	14	S
110 2	3	-	-	0	-	-	0	-	-	0	-	-	74	23.67	H	71	71.00	H	0	-	-	19	5.33	H	16	0.00	0.00	L	8	S
110 3	4	-	-	0	-	-	1	-	-	0	-	-	80	28.88	H	77	77.00	H	0	-	-	13	2.25	H	9	-	-	-	8	S

Sample	Ratio A			Ratio B									Ratio C									Ratio D			Ratio E				Ratio F	
	culm nodes: grains			rachis nodes: grains									glume bases: grains									weed seeds: grains			small : large weed seeds				Items: litres deposit	
	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
1105	61	0.00	L	0	-	-	3	-	-	0	-	-	113	0.94	I	55	55.00	H	0	-	-	104	0.70	H	43	0.39	0.10	L	13	S
1113	10	0.00	L	0	-	-	16	1.35	H	0	-	-	38	10.50	H	35	35.00	H	0	-	-	28	1.80	H	18	2.60	2.00	H	6	S
1116	9	-	-	0	-	-	9	-	-	0	-	-	117	117.00	H	117	117.00	H	0	-	-	99	10.00	H	90	7.18	1.81	H	18	S
1119	16	0.00	L	0	-	-	1	-	-	0	-	-	57	2.89	H	38	38.00	H	4	-	-	27	0.69	H	11	0.57	0.57	L	6	S
1120	8	-	-	0	-	-	3	-	-	0	-	-	10	0.94	I	5	-	-	0	-	-	128	15.00	H	120	9.91	7.57	H	11	S
1126	11	0.00	L	0	-	-	1	-	-	0	-	-	38	2.45	H	27	27.00	H	0	-	-	38	2.45	H	27	1.70	1.08	H	6	S
1128	52	0.00	L	0	-	-	2	-	-	0	-	-	153	2.04	H	103	103.00	H	0	-	-	157	2.02	H	105	3.57	3.04	H	22	S
1129	9	-	-	0	-	-	2	-	-	1	-	-	201	28.74	H	192	192.00	H	2	-	-	16	0.78	H	7	-	-	-	18	S
1131	11	0.00	L	0	-	-	0	-	-	0	-	-	237	20.55	H	226	226.00	H	0	-	-	33	2.00	H	22	0.57	0.57	L	22	S
1133	30	0.00	L	0	-	-	0	-	-	0	-	-	111	2.70	H	81	81.00	H	0	-	-	112	2.73	H	82	0.61	0.22	L	16	S
1139	21	0.00	L	0	-	-	4	-	-	1	-	-	494	27.76	H	477	477.00	H	0	-	-	40	0.90	H	19	1.71	1.71	H	43	D
1143	8	-	-	0	-	-	0	-	-	0	-	-	99	11.38	H	91	91.00	H	0	-	-	23	1.88	H	15	0.07	0.07	L	10	S
1144	12	0.00	L	0	-	-	2	-	-	0	-	-	55	4.69	H	45	45.00	H	0	-	-	23	0.92	H	11	0.22	0.10	L	6	S
1149	9	-	-	0	-	-	1	-	-	0	-	-	72	8.30	H	61	61.00	H	3	-	-	19	1.11	H	10	0.67	0.67	L	7	S
1152	4	-	-	0	-	-	4	-	-	0	-	-	97	35.25	H	94	94.00	H	0	-	-	20	4.00	H	16	0.23	0.23	L	10	S
1153	18	0.00	L	0	-	-	3	-	-	0	-	-	24	0.49	I	2	-	-	6	-	-	61	2.39	H	43	1.53	0.72	-	6	S

Sample	Ratio A			Ratio B									Ratio C									Ratio D			Ratio E				Ratio F	
	culm nodes: grains			rachis nodes: grains									glume bases: grains									weed seeds: grains			small : large weed seeds				Items: litres deposit	
	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
1167	23	0.00	L	0	-	-	1	-	-	0	-	-	59	1.57	H	36	36.00	H	0	-	-	51	1.22	H	28	0.56	0.56	L	7	S
1176	21	0.00	L	0	-	-	11	0.00	L	0	-	-	21	1.13	I	11	11.00	H	0	-	-	79	2.76	H	58	2.05	1.07	H	8	S
1186	22	0.00	L	0	-	-	6	-	-	0	-	-	127	6.67	H	110	110.00	H	0	-	-	37	0.68	H	15	0.50	0.36	L	12	S
1193	11	0.00	L	0	-	-	0	-	-	0	-	-	38	2.45	H	26	26.00	H	1	-	-	30	1.73	H	19	1.11	0.90	-	5	S
1195	10	0.00	L	0	-	-	10	0.00	L	0	-	-	19	19.00	H	19	19.00	H	0	-	-	84	7.40	H	74	3.35	2.36	H	9	S
1196	3	-	-	0	-	-	0	-	-	0	-	-	49	15.33	H	46	46.00	H	0	-	-	15	4.00	H	12	0.09	0.09	L	5	S
1198	3	-	-	0	-	-	1	-	-	0	-	-	63	20.00	H	60	60.00	H	0	-	-	11	2.67	H	8	-	-	-	-	S
1199	4	-	-	0	-	-	0	-	-	1	-	-	290	71.50	H	280	280.00	H	6	-	-	11	1.75	H	7	-	-	-	25	S
1200	3	-	-	0	-	-	0	-	-	0	-	-	198	65.00	H	191	191.00	H	4	-	-	17	4.67	H	14	0.08	0.08	L	18	S
1203	8	-	-	0	-	-	0	-	-	0	-	-	123	14.38	H	115	115.00	H	0	-	-	35	3.38	H	27	0.29	0.29	L	13	S
1204	5	-	-	0	-	-	0	-	-	0	-	-	218	42.60	H	213	213.00	H	0	-	-	13	1.60	H	8	-	-	-	19	S
1214	66	0.00	L	0	-	-	8	-	-	0	-	-	72	0.24	I	65	0.12	L	7	-	-	116	0.76	H	50	3.55	1.27	H	30	D
1216	21	0.00	L	0	-	-	0	-	-	0	-	-	99	3.71	H	76	76.00	H	2	-	-	27	0.29	L	6	-	-	-	21	S
1231	284	0.01	L	0	-	-	1	-	-	0	-	-	411	0.46	I	411	0.46	I	0	-	-	395	0.40	L	113	0.22	0.13	L	176	D
1232	10	0.43	L	0	-	-	0	-	-	0	-	-	50	6.14	H	43	43.00	H	0	-	-	24	2.43	H	17	1.43	1.13	H	5	S
1235	11	0.10	L	0	-	-	7	-	-	0	-	-	25	6.60	H	25	6.60	H	0	-	-	69	5.90	H	59	1.27	1.19	H	3	S

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	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
123 6	43	0.13	L	0	-	-	2	-	-	0	-	-	344	8.61	H	308	308.00	H	0	-	-	251	5.61	H	213	3.26	1.60	H	56	D
123 7	91	0.01	L	0	-	-	13	0.00	L	0	-	-	88	0.14	L	11	11.00	H	0	-	-	128	0.42	L	38	0.46	0.36	-	14	S
123 8	18	0.06	L	0	-	-	0	-	-	0	-	-	33	0.94	I	16	16.00	H	0	-	-	49	1.88	H	32	0.28	0.23	-	3	S
123 9	26	0.00	L	0	-	-	0	-	-	0	-	-	149	4.73	H	123	213.00	H	0	-	-	45	0.73	H	19	2.17	2.17	H	17	S
124 0	23	0.15	L	0	-	-	0	-	-	0	-	-	126	5.30	H	106	106.00	H	0	-	-	84	3.20	H	64	1.67	1.29	H	19	S
124 1	23	0.00	L	0	-	-	0	-	-	0	-	-	80	2.48	H	50	50.00	H	7	-	-	60	1.61	H	37	0.95	0.61	L	8	S
124 2	15	0.00	L	0	-	-	0	-	-	0	-	-	43	1.87	H	28	28.00	H	0	-	-	41	1.73	H	26	0.18	0.18	L	5	S
124 G	31	0.04	L	0	-	-	0	-	-	0	-	-	30	0.25	I	0	-	-	0	-	-	62	1.58	H	38	2.45	2.17	H	1	S
124 5	51	0.02	L	0	-	-	5	-	-	0	-	-	63	0.40	I	18	18.00	H	0	-	-	90	0.80	H	40	0.54	0.48	L	3	S
124 6	14	0.00	L	0	-	-	0	-	-	0	-	-	113	7.07	H	88	88.00	H	11	11.00	H	52	2.71	H	38	0.52	0.23	L	5	S
124 7	12	0.00	L	0	-	-	2	-	-	0	-	-	336	27.00	H	304	304.00	H	20	20.00	H	67	4.58	H	55	0.53	0.53	L	39	D
124 8	28	0.04	L	0	-	-	1	-	-	0	-	-	31	0.20	L	5	-	-	0	-	-	47	0.74	H	20	0.67	0.67	L	0	S
124 9	29	0.12	L	0	-	-	0	-	-	0	-	-	76	1.92	H	46	46.00	H	4	-	-	36	0.38	L	10	0.67	0.25	L	30	D
125 0	46	0.02	L	0	-	-	0	-	-	0	-	-	93	1.07	I	93	1.07	I	0	-	-	106	1.36	H	61	0.45	0.33	L	10	S
125 1	20	0.18	L	0	-	-	0	-	-	0	-	-	30	0.76	I	7	-	-	6	-	-	47	1.76	H	30	0.15	0.15	L	6	S
125 2	7	-	-	0	-	-	0	-	-	0	-	-	1249	177.43	H	1228	1228.00	H	14	14.00	H	79	10.29	H	72	1.06	1.06	H	66	D

Sample	Ratio A			Ratio B									Ratio C									Ratio D			Ratio E				Ratio F	
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	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
125 3	16	0.00	L	0	-	-	12	0.0 0	L	0	-	-	168	41.00	H	168	41.00	H	0	-	-	47	1.94	H	31	1.38	1.38	H	21	S
125 4	37	0.00	L	0	-	-	0	-	-	0	-	-	595	15.08	H	546	546.00	H	12	12.00	H	44	0.19	L	7	-	-	-	20	S
125 5	23	0.05	L	0	-	-	4	-	-	0	-	-	23	0.28	I	5	-	-	0	-	-	50	1.27	H	28	0.87	0.75	L	6	S
125 6	25	0.09	L	0	-	-	4	-	-	0	-	-	172	7.55	H	105	105.00	H	47	47.00	H	99	3.30	H	76	2.62	1.62	H	13	S
125 9	9	-	-	0	-	-	0	-	-	0	-	-	44	3.89	H	44	3.89	H	0	-	-	19	1.11	H	10	0.67	0.43	L	1	S
126 4	15	0.00	L	0	-	-	0	-	-	0	-	-	34	1.27	I	34	1.27	I	0	-	-	139	8.27	H	124	3.96	3.96	H	16	S
126 5	25	0.00	L	0	-	-	0	-	-	0	-	-	57	1.28	I	32	32.00	H	0	-	-	51	1.04	H	26	0.73	0.53	L	8	S
126 6	157	0.01	L	0	-	-	29	0.0 0	L	0	-	-	497	2.92	H	480	2.79	H	17	17.00	H	463	1.97	H	307	4.12	4.12	H	83	D
126 7	94	0.00	L	0	-	-	57	0.0 4	L	0	-	-	56	0.44	I	17	17.00	H	0	-	-	116	0.23	L	22	0.57	0.57	L	9	S
126 9	16	0.14	L	0	-	-	0	-	-	0	-	-	156	10.14	H	142	142.00	H	0	-	-	98	6.00	H	84	0.50	0.50	L	10	S
127 0	27	0.00	L	0	-	-	3	-	-	0	-	-	91	2.76	H	61	61.00	H	6	-	-	131	3.85	H	104	2.71	2.47	H	5	S
127 5	18	0.00	L	0	-	-	5	-	-	0	-	-	312	20.17	H	293	293.00	H	4	-	-	44	1.44	H	26	0.30	0.30	L	11	S
127 6	9	-	-	0	-	-	2	-	-	0	-	-	51	6.11	H	51	6.11	H	0	-	-	17	0.89	H	8	-	-	-	2	S
127 7	7	-	-	0	-	-	0	-	-	0	-	-	19	1.71	H	19	1.71	H	0	-	-	51	6.29	H	44	13.67	10.0 0	H	6	S
128 0	12	0.09	L	0	-	-	4	-	-	0	-	-	18	1.50	I	18	1.50	I	0	-	-	74	5.73	H	63	0.29	0.29	L	3	S
128 1	9	-	-	0	-	-	0	-	-	0	-	-	12	0.33	I	3	-	-	0	-	-	66	6.33	H	57	0.27	0.27	L	1	S

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	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
1284	18	0.00	L	0	-	-	0	-	-	0	-	-	20	0.11	L	2	-	-	0	-	-	137	6.61	H	119	0.61	0.61	L	7	S
1287	41	0.00	L	0	-	-	54	0.50	H	0	-	-	5	-	-	0	-	-	0	-	-	68	0.74	H	29	1.90	1.90	H	4	S
1290	4	-	-	0	-	-	0	-	-	0	-	-	11	11.00	H	11	11.00	H	0	-	-	67	67.00	H	67	8.57	8.57	H	4	S
1292	28	0.00	L	0	-	-	7	-	-	2	-	-	33	0.66	I	30	0.51	I	3	-	-	45	0.61	H	17	2.40	1.13	H	No Vol.	-
1299	112	0.01	L	0	-	-	75	0.23	I	0	-	-	67	0.34	I	67	0.34	I	0	-	-	819	6.38	H	708	10.06	2.20	H	21	S
1300	32	0.00	L	0	-	-	22	0.05	L	0	-	-	13	0.19	L	13	0.19	L	0	-	-	248	6.75	H	216	15.62	8.00	H	7	S
1301	22	0.00	L	0	-	-	21	0.24	I	0	-	-	10	-	-	10	-	-	0	-	-	69	2.14	H	47	8.40	4.22	H	3	S
1302	63	0.00	L	0	-	-	47	0.02	L	0	-	-	23	0.35	I	23	0.35	I	0	-	-	338	4.37	H	275	2.09	1.52	H	14	S
1303	14	0.00	L	0	-	-	10	0.11	L	0	-	-	8	-	-	8	-	-	0	-	-	65	3.64	H	51	4.67	2.92	H	3	S
1305	101	0.00	L	0	-	-	84	0.01	L	0	-	-	19	0.12	L	0	-	-	0	-	-	258	1.61	H	159	25.50	3.30	H	17	S
1306	8	-	-	0	-	-	8	-	-	0	-	-	0	-	-	0	-	-	0	-	-	105	12.13	H	97	15.17	2.59	H	11	S
1307	3	-	-	0	-	-	3	-	-	0	-	-	6	-	-	6	-	-	0	-	-	129	42.00	H	126	17.00	4.25	H	9	S
1308	0	-	-	0	-	-	1	-	-	0	-	-	45	45.00	H	45	45.00	H	0	-	-	45	45.00	H	45	6.50	1.65	H	4	S
1315	40	0.00	L	0	-	-	12	0.09	L	0	-	-	36	0.25	I	36	0.25	I	0	-	-	43	0.08	L	3	-	-	-	No Vol.	-
1325	11	0.00	L	0	-	-	1	-	-	0	-	-	126	11.72	H	70	70.00	H	46	46.00	H	81	6.36	H	70	0.40	0.30	L	19	S
1337	50	0.00	L	0	-	-	7	-	-	0	-	-	89	1.07	I	20	20.00	H	26	26.00	H	152	2.04	H	102	1.55	1.37	H	17	S

Sample	Ratio A			Ratio B									Ratio C									Ratio D			Ratio E				Ratio F	
	culm nodes: grains			rachis nodes: grains									glume bases: grains									weed seeds: grains			small : large weed seeds				Items: litres deposit	
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	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
1339	11	0.00	L	0	-	-	4	-	-	0	-	-	9	-	-	1	-	-	1	-	-	59	4.36	H	48	3.36	2.69	H	5	S
1344	1079	0.00	L	0	-	-	133	0.00	L	6	-	-	980	0.04	L	33	33.00	H	7	-	-	1109	0.03	L	30	0.20	0.15	L	96	D
1345	8092	0.00	L	0	-	-	77	0.00	L	0	-	-	8065	0.01	L	8065	0.01	L	0	-	-	8117	0.00	L	25	0.14	0.04	L	681	D
1346	3544	0.00	L	0	-	-	253	0.00	L	0	-	-	3426	0.04	L	3426	0.04	L	0	-	-	4249	0.20	L	705	0.03	0.02	L	365	D
1347	6024	0.00	L	0	-	-	1530	0.00	L	0	-	-	4574	0.02	L	4574	0.02	L	0	-	-	7816	0.30	L	1792	0.05	0.05	L	564	D
1348	4680	0.00	L	0	-	-	162	0.00	L	0	-	-	4621	0.02	L	4621	0.02	L	0	-	-	5930	0.27	L	1250	0.01	0.01	L	503	D
1349	256	0.00	L	0	-	-	0	-	-	0	-	-	265	0.04	L	265	0.04	L	0	-	-	324	0.27	L	68	0.00	0.00	L	28	D
1350	1648	0.00	L	0	-	-	112	0.00	L	0	-	-	1584	0.03	L	1584	0.03	L	0	-	-	2540	0.54	H	892	0.01	0.01	L	216	D
1351	724	0.00	L	0	-	-	12	0.00	L	0	-	-	720	0.01	L	720	0.01	L	0	-	-	851	0.18	L	127	0.06	0.06	L	71	D
1352	2848	0.00	L	0	-	-	154	0.00	L	0	-	-	2786	0.03	L	2786	0.03	L	0	-	-	3828	0.34	L	980	0.02	0.02	L	326	D
1353	888	0.00	L	0	-	-	50	0.00	L	0	-	-	882	0.05	L	882	0.05	L	0	-	-	1186	0.34	L	298	0.02	0.01	L	102	D
1354	583	0.00	L	0	-	-	97	0.00	L	0	-	-	552	0.14	L	552	0.14	L	0	-	-	695	0.19	L	112	0.15	0.14	L	54	D
1357	47	0.00	L	0	-	-	4	-	-	0	-	-	44	0.29	I	0	-	-	0	-	-	53	0.43	L	16	1.29	1.00	-	2	S
1360	81	0.00	L	0	-	-	6	-	-	0	-	-	301	3.00	H	226	226.00	H	0	-	-	144	0.78	H	63	0.80	0.62	L	12	S
1361	63	0.00	L	0	-	-	5	-	-	0	-	-	78	0.35	I	20	20.00	H	0	-	-	107	0.70	H	44	1.93	0.63	-	4	S
1362	52	0.00	L	0	-	-	3	-	-	0	-	-	79	0.61	I	30	30.00	H	0	-	-	102	0.96	H	50	5.25	1.38	H	4	S

Sample	Ratio A			Ratio B									Ratio C									Ratio D			Ratio E				Ratio F	
	culm nodes: grains			rachis nodes: grains									glume bases: grains									weed seeds: grains			small : large weed seeds				Items: litres deposit	
	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
136 3	121	0.00	L	0	-	-	5	-	-	0	-	-	237	1.04	I	121	121.00	H	0	-	-	246	1.03	H	125	0.74	0.69	L	12	S
136 4	257	0.00	L	0	-	-	0	-	-	0	-	-	423	0.65	I	166	166.00	H	0	-	-	835	2.25	H	578	0.29	0.28	L	33	D
136 5	25	0.04	L	0	-	-	0	-	-	0	-	-	77	2.21	H	53	53.00	H	0	-	-	39	0.63	H	15	0.67	0.67	L	3	S
136 6	123	0.00	L	0	-	-	11	0.0 0	L	0	-	-	295	1.62	H	182	182.00	H	0	-	-	366	1.98	H	243	4.52	2.20	H	18	S
136 9	38	0.00	L	0	-	-	38	0.0 0	L	0	-	-	1	-	-	1	-	-	0	-	-	70	0.84	H	32	2.56	2.56	H	24	S
137 1	58	0.00	L	0	-	-	40	0.0 0	L	0	-	-	52	1.91	H	34	34.00	H	0	-	-	113	0.95	H	55	0.22	0.20	L	15	S
137 2	488	0.00	L	0	-	-	121	0.0 0	L	0	-	-	387	1.74	H	20	20.00	H	0	-	-	564	0.16	L	76	5.91	5.91	H	28	D
137 3	307	0.00	L	0	-	-	1	-	-	0	-	-	312	0.02	L	178	0.04	L	0	-	-	357	0.17	L	51	0.82	0.65	L	37	D
137 4	358	0.00	L	1	-	-	7	-	-	5	-	-	359	0.04	L	359	0.04	L	0	-	-	378	0.06	L	20	3.00	2.33	H	39	D
137 5	48	0.00	L	0	-	-	12	0.0 0	L	0	-	-	49	0.37	I	13	13.00	H	0	-	-	125	1.60	H	77	3.53	2.85	H	11	S
137 6	42	0.00	L	0	-	-	5	-	-	1	-	-	126	2.21	H	126	2.21	H	0	-	-	62	0.48	L	20	1.22	1.22	H	10	S
138 2	76	0.00	L	0	-	-	52	0.0 0	L	4	-	-	31	0.47	I	10	10.00	H	0	-	-	86	0.13	L	10	0.25	0.25	L	12	S
138 8	44	0.00	L	0	-	-	2	-	-	0	-	-	45	0.07	L	45	0.07	L	0	-	-	51	0.16	L	7	-	-	-	5	S
139 1	17	0.00	L	0	-	-	1	-	-	0	-	-	306	17.00	H	289	289.00	H	0	-	-	22	0.29	L	5	-	-	-	22	S
139 3	44	0.00	L	0	-	-	4	-	-	0	-	-	40	0.49	I	0	-	-	0	-	-	48	0.55	H	17	7.50	7.50	H	2	S
139 5	88	0.01	L	0	-	-	0	-	-	0	-	-	94	0.08	L	7	-	-	0	-	-	110	0.26	L	23	4.75	4.75	H	3	S

Sample	Ratio A			Ratio B									Ratio C									Ratio D			Ratio E				Ratio F	
	culm nodes: grains			rachis nodes: grains									glume bases: grains									weed seeds: grains			small : large weed seeds				Items: litres deposit	
	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
1397	320	0.00	L	0	-	-	5	-	-	0	-	-	370	0.17	L	54	54.00	H	0	-	-	356	0.11	L	36	17.00	6.20	H	10	S
1398	61	0.00	L	0	-	-	0	-	-	0	-	-	102	0.67	I	41	41.00	H	0	-	-	64	0.05	L	3	-	-	-	3	S
1399	62	0.00	L	0	-	-	5	-	-	0	-	-	195	2.43	H	138	138.00	H	0	-	-	66	0.06	L	4	-	-	-	5	S
1400	42	0.00	L	0	-	-	0	-	-	0	-	-	42	0.05	L	0	-	-	0	-	-	53	0.33	L	13	13.00	13.00	H	1	S
1401	1402	0.00	L	0	-	-	3	-	-	0	-	-	1406	0.07	L	0	-	-	7	-	-	1402	0.06	L	81	0.11	0.11	L	149	D
1403	32	0.00	L	0	-	-	10	-	-	0	-	-	25	0.14	L	3	-	-	0	-	-	54	0.69	H	22	0.57	0.29	L	2	S
1404	119	0.00	L	0	-	-	0	-	-	0	-	-	676	4.68	H	557	557.00	H	0	-	-	166	0.39	L	47	0.02	0.02	L	18	S
1405	0	-	-	0	-	-	0	-	-	0	-	-	204	204.00	H	163	163.00	H	41	41.00	H	3	-	-	3	-	-	-	20	S
1406	216	0.00	L	0	-	-	0	-	-	5	-	-	3568	15.92	H	3301	3301.00	H	56	56.00	H	240	0.11	L	24	0.60	0.50	L	360	D
1407	6	-	-	0	-	-	3	-	-	0	-	-	44	13.67	H	41	41.00	H	0	-	-	9	-	-	3	-	-	-	5	S
1408	0	-	-	0	-	-	0	-	-	0	-	-	118	118.00	H	118	118.00	H	0	-	-	8	-	-	8	-	-	-	3	S
1409	350	0.00	L	91	0.00	L	0	-	-	0	-	-	2266	7.75	H	2007	2007.00	H	0	-	-	421	0.20	L	71	0.97	0.97	L	61	D
1411	114	0.01	L	0	-	-	0	-	-	0	-	-	113	0.14	L	0	-	-	0	-	-	102	0.03	L	3	-	-	-	3	S
1412	34	0.00	L	0	-	-	0	-	-	0	-	-	136	3.00	H	102	102.00	H	0	-	-	55	0.62	H	21	1.10	1.10	H	5	S
1413	17	0.00	L	0	-	-	0	-	-	0	-	-	180	9.59	H	137	137.00	H	26	26H		44	1.59	H	27	1.08	1.08	H	5	S
1414	24	0.00	L	0	-	-	0	-	-	0	-	-	651	26.13	H	627	627.00	H	0	-	-	36	0.50	I	12	0.33	0.33	L	17	S

Sample	Ratio A			Ratio B									Ratio C									Ratio D			Ratio E				Ratio F	
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	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
141 7	0	-	-	0	-	-	0	-	-	0	-	-	106	106.00	H	71	71.00	H	35	35.00	H	4	-	-	4	-	-	-	3	S
141 9	47	0.00	L	0	-	-	0	-	-	0	-	-	176	2.74	H	129	129.00	H	0	-	-	70	0.49	L	23	0.77	0.64	L	5	S
142 0	10	0.00	L	1	-	-	0	-	-	0	-	-	40	3.00	H	30	30.00	H	0	-	-	20	1.00	H	10	2.33	2.33	H	1	S
142 1	22	0.00	L	0	-	-	0	-	-	0	-	-	65	1.95	H	43	43.00	H	0	-	-	67	2.05	H	45	4.00	2.46	H	3	S
142 2	1	-	-	0	-	-	0	-	-	0	-	-	67	67.00	H	67	67.00	H	0	-	-	28	28.00	H	28	8.33	0.47	-	24	S
142 3	21	0.00	L	0	-	-	0	-	-	0	-	-	74	2.52	H	74	2.52	H	0	-	-	25	0.19	L	4	-	-	-	8	S
142 4	71	0.00	L	27	0.00	L	0	-	-	0	-	-	762	16.43	H	638	638.00	H	80	80.00	H	133	0.87	H	62	30.00	0.11	L	34	D
142 5	568	0.00	L	0	-	-	0	-	-	0	-	-	568	19.29	H	0	-	-	0	-	-	51	0.82	H	23	22.00	0.28	L	197	D
142 6	11	0.00	L	0	-	-	0	-	-	0	-	-	162	13.73	H	151	151.00	H	0	-	-	26	1.36	H	15	1.50	1.14	H	4	S
142 8	10	0.00	L	0	-	-	0	-	-	0	-	-	551	54.10	H	541	541.00	H	0	-	-	28	1.80	H	18	0.38	0.38	L	14	S
143 0	16	0.00	L	0	-	-	0	-	-	0	-	-	59	2.69	H	43	43.00	H	0	-	-	18	0.13	L	2	-	-	-	6	S
143 2	39	0.00	L	0	-	-	0	-	-	0	-	-	86	1.21	I	47	47.00	H	0	-	-	60	0.54	H	21	3.20	2.50	H	3	S
143 3	8	-	-	0	-	-	0	-	-	0	-	-	83	9.38	H	75	75.00	H	0	-	-	13	0.63	H	5	-	-	-	2	S
143 4	78	0.00	L	0	-	-	12	0.00	L	0	-	-	137	1.08	I	71	71.00	H	0	-	-	113	0.45	L	35	2.89	1.92	H	5	S
143 5	80	0.00	L	2	-	-	0	-	-	0	-	-	706	7.83	H	459	459.00	H	167	167.00	H	116	0.45	L	36	0.44	0.44	L	74	D
143 7	10	0.00	L	0	-	-	0	-	-	0	-	-	43	3.30	H	43	3.30	H	0	-	-	21	1.10	H	11	0.38	0.22	L	1	S

Sample	Ratio A			Ratio B									Ratio C									Ratio D			Ratio E				Ratio F	
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	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
145 4	195 6	0.00	L	0	-	-	3	-	-	0	-	-	2664	0.37	I	2664	0.37	I	0	-	-	240 6	0.23	L	452	0.02	0.02	L	No Vol.	-
145 7	51	0.00	L	0	-	-	13	0.0 0	L	0	-	-	51	0.34	I	4	-	-	9	-	-	140	1.75	H	89	13.83	8.89	H	40	D
146 1	27	0.00	L	0	-	-	10	-	-	0	-	-	57	2.30	H	14	14.00	H	26	26.00	H	43	0.59	H	16	1.29	1.00	-	46	D
146 4	15	0.00	L	0	-	-	3	-	-	0	-	-	74	5.31	H	2	-	-	60	60.00	H	96	5.40	H	81	12.50	10.5 7	H	45	D
146 7	5	-	-	0	-	-	5	-	-	0	-	-	134	134.00	H	21	21.00	H	113	113.0 0	H	48	8.60	H	43	3.78	3.78	H	38	D
147 0	9	-	-	2	-	-	1	-	-	0	-	-	196	29.56	H	158	158.00	H	32	32.00	H	44	3.89	H	35	1.19	0.94	-	29	D
147 1	15	0.00	L	10	0.00	L	5	-	-	0	-	-	197	117.00	H	87	87.00	H	108	108.0 0	H	39	1.60	H	24	1.40	1.00	-	24	S
148 0	623	0.00	L	0	-	-	129	0.0 3	L	0	-	-	498	0.02	L	0	-	-	0	-	-	790	0.29	L	177	2.22	1.42	H	26	D
148 1	143	0.00	L	0	-	-	14	0.0 8	L	0	-	-	276	1.12	I	31	31.00	H	115	115.0 0	H	153	0.07	L	10	9.00	9.00	H	60	D
148 2	89	0.07	L	0	-	-	39	0.0 0	L	0	-	-	82	0.86	I	19	19.00	H	19	19.00	H	126	0.52	H	43	0.26	0.23	L	14	S
148 3	121	0.00	L	0	-	-	32	0.0 0	L	0	-	-	105	0.18	L	16	16.00	H	0	-	-	183	0.51	H	62	9.33	4.64	H	5	S
148 4	393	0.00	L	0	-	-	67	0.0 2	L	0	-	-	481	0.47	I	154	154.00	H	0	-	-	560	0.42	L	167	1.46	1.09	H	18	S
148 5	224	0.00	L	0	-	-	1	-	-	0	-	-	236	0.06	L	13	13.00	H	0	-	-	439	0.96	H	215	0.94	0.63	L	13	S
148 6	103 1	0.01	L	0	-	-	24	0.0 9	L	0	-	-	1433	0.44	I	435	435.00	H	0	-	-	158 2	0.55	H	562	0.72	0.54	L	51	D
148 7	297	0.00	L	0	-	-	37	1.0 5	H	0	-	-	453	0.63	I	172	172.00	H	3	-	-	591	1.00	H	295	1.89	1.59	H	20	S
148 8	181	0.00	L	0	-	-	0	-	-	0	-	-	181	0.08	L	0	-	-	0	-	-	168	0.00	L	0	-	-	-	5	S

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	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
1489	1275	0.00	L	0	-	-	0	-	-	0	-	-	1275	0.15	L	0	-	-	0	-	-	1109	0.00	L	4	-	-	-	32	D
1490	578	0.00	L	0	-	-	0	-	-	0	-	-	673	0.16	L	95	95.00	H	0	-	-	583	0.01	L	5	-	-	-	17	S
1491	1027	0.00	L	0	-	-	0	-	-	45	0.000	L	1351	0.38	I	369	369.00	H	0	-	-	1041	0.01	L	14	1.80	1.80	H	35	D
1492	703	0.00	L	0	-	-	0	-	-	0	-	-	1106	0.58	I	404	404.00	H	0	-	-	723	0.03	L	21	2.50	1.33	H	75	D
1493	838	0.01	L	0	-	-	0	-	-	10	0.000	L	2222	1.71	H	1402	1402.00	H	0	-	-	850	0.02	L	20	0.82	0.67	L	57	D
1494	765	0.00	L	0	-	-	9	-	-	0	-	-	790	0.05	L	23	12.00	H	14	14.00	H	900	0.18	L	138	7.63	3.76	H	34	D
1495	1007	0.00	L	0	-	-	2	-	-	0	-	-	2413	1.40	I	1408	1408.00	H	0	-	-	1310	0.30	L	303	2.03	1.94	H	76	D
1496	269	0.00	L	0	-	-	0	-	-	0	-	-	521	0.94	I	252	252.00	H	0	-	-	273	0.01	L	4	-	-	-	18	S
1497	1010	0.00	L	0	-	-	14	0.000	L	0	-	-	2399	1.41	I	1396	1396.00	H	8	-	-	1102	0.09	L	93	4.47	4.47	H	63	D
1498	254	0.00	L	0	-	-	0	-	-	0	-	-	1024	3.03	H	770	770.00	H	0	-	-	265	0.04	L	11	1.20	1.20	H	52	D
1499	288	0.00	L	0	-	-	0	-	-	0	-	-	1170	3.08	H	883	883.00	H	0	-	-	304	0.06	L	17	2.40	2.40	H	31	D
1500	45	0.00	L	0	-	-	0	-	-	0	-	-	228	4.07	H	183	183.00	H	0	-	-	51	0.13	L	6	-	-	-	10	S
1501	1012	0.00	L	20	0.00	L	4	-	-	0	-	-	1077	0.09	I	89	89.00	H	0	-	-	1024	0.01	L	12	1.40	1.40	H	28	D
1502	143	0.00	L	132	0.02	L	13	0.000	L	0	-	-	0	-	-	0	-	-	0	-	-	203	0.42	L	60	0.40	0.36	L	5	S
1503	141	0.00	L	142	0.01	L	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	155	0.10	L	14	3.67	3.67	H	4	S
1537	38	0.00	L	0	-	-	10	0.000	L	0	-	-	75	1.70	H	75	1.70	H	0	-	-	48	0.26	L	10	0.67	0.67	L	10	S

Sample	Ratio A			Ratio B									Ratio C									Ratio D			Ratio E				Ratio F	
	culm nodes: grains			rachis nodes: grains									glume bases: grains									weed seeds: grains			small : large weed seeds				Items: litres deposit	
	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
1539	38	0.00	L	0	-	-	0	-	-	0	-	-	271	6.13	H	233	233.00	H	0	-	-	55	0.45	L	17	1.43	1.43	H	28	D
1540	215	0.00	L	0	-	-	0	-	-	0	-	-	1273	4.92	H	1273	4.92	H	0	-	-	241	0.12	L	26	1.17	1.17	H	130	D
1544	37	0.00	L	0	-	-	0	-	-	0	-	-	37	0.09	L	34	0.00	L	0	-	-	224	5.59	H	190	9.00	6.92	H	23	S
1546	5	-	-	0	-	-	0	-	-	0	-	-	9	-	-	9	-	-	0	-	-	1883	375.60	H	1878	2.48	1.78	H	189	D
1553	33	0.00	L	0	-	-	0	-	-	0	-	-	47	0.42	I	47	0.42	I	0	-	-	46	0.39	L	13	1.60	1.60	H	6	S
1554	1127	0.00	L	0	-	-	0	-	-	0	-	-	12723	10.29	H	12379	10.43	H	344	6.83	H	1308	0.16	L	181	0.99	0.97	L	430	D
1556	254	0.00	L	0	-	-	47	0.00	L	0	-	-	223	0.08	L	0	-	-	223	0.08	L	310	0.22	L	56	3.67	2.11	H	41	D
1557	1086	0.00	L	0	-	-	102	0.00	L	0	-	-	1029	0.05	L	3	-	-	1026	0.04	L	1160	0.07	L	74	0.85	0.37	L	151	D
1558	149	0.00	L	0	-	-	149	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	170	0.14	L	21	20.00	1.63	H	3	S
1560	1344	0.00	L	0	-	-	1264	0.00	L	0	-	-	89	0.11	L	1	-	-	88	0.10	L	1375	0.02	L	31	14.50	14.50	H	173	D
1562	1745	0.00	L	0	-	-	1645	0.00	L	0	-	-	137	0.32	I	3	-	-	134	0.29	I	1768	0.01	L	23	10.50	3.60	H	226	D
1564	37	0.03	L	0	-	-	2	-	-	0	-	-	137	3.05	H	137	3.05	H	0	-	-	130	2.61	H	94	2.62	2.48	H	29	D
1565	79	0.00	L	0	-	-	47	0.00	L	0	-	-	37	0.16	L	2	-	-	3	-	-	86	0.09	L	7	-	-	-	11	S
1566	50	0.00	L	0	-	-	34	0.00	L	0	-	-	24	0.51	I	8	-	-	0	-	-	77	0.54	H	27	2.38	1.70	H	11	S
1568	37	0.00	L	0	-	-	7	-	-	0	-	-	174	4.86	H	144	-	H	0	-	-	86	1.32	H	49	3.90	1.33	H	4	S
1569	16	0.00	L	0	-	-	5	-	-	0	-	-	51	3.50	H	51	3.50	H	0	-	-	32	1.00	H	16	1.00	1.00	-	7	S

Sample	Ratio A			Ratio B									Ratio C									Ratio D			Ratio E				Ratio F	
	culm nodes: grains			rachis nodes: grains									glume bases: grains									weed seeds: grains			small : large weed seeds				Items: litres deposit	
	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
157 1	30	0.00	L	0	-	-	12	0.00	L	0	-	-	285	14.46	H	285	14.46	H	0	-	-	110	2.67	H	80	0.82	0.60	H	47	D
157 2	71	0.00	L	0	-	-	9	-	-	0	-	-	195	2.15	H	192	2.10	H	3	-	-	143	1.01	H	72	5.00	0.41	-	35	D
157 3	39	0.00	L	0	-	-	2	-	-	0	-	-	143	2.89	H	106	106.00	H	0	-	-	65	0.67	H	26	1.17	0.86	-	21	S
158 1	37	0.00	L	0	-	-	0	-	-	0	-	-	37	0.03	L	0	-	-	0	-	-	55	0.53	H	19	19.00	19.00	H	3	S
158 3	42	0.00	L	0	-	-	0	-	-	0	-	-	56	0.33	I	14	14.00	H	0	-	-	58	0.38	L	16	1.29	1.00	-	3	S
159 4	28	0.00	L	0	-	-	0	-	-	0	-	-	28	0.04	L	0	-	-	0	-	-	62	1.30	H	35	0.03	0.03	L	79	D
160 1	7	-	-	0	-	-	0	-	-	0	-	-	49	6.00	H	42	42.00	H	0	-	-	23	2.29	H	16	1.29	1.29	H	11	S
160 2	30	0.00	L	0	-	-	9	-	-	0	-	-	40	0.93	I	19	19.00	H	0	-	-	53	0.77	H	23	1.09	0.77	-	7	S
160 4	33	0.00	L	0	-	-	9	-	-	0	-	-	28	0.17	L	4	-	-	0	-	-	56	0.70	H	23	3.60	2.29	H	15	S
160 7	122	0.00	L	0	-	-	0	-	-	0	-	-	155	0.27	I	33	33.00	H	0	-	-	140	0.15	L	18	17.00	2.60	H	11	S
161 0	37	0.00	L	0	-	-	8	-	-	0	-	-	549	17.75	H	549	17.75	H	0	-	-	114	2.08	H	77	0.26	0.26	L	No Vol.	-
161 1	76	0.00	L	0	-	-	4	-	-	0	-	-	410	4.68	H	410	4.68	H	0	-	-	195	1.57	H	119	0.31	0.28	L	No Vol.	-
161 2	34	0.00	L	0	-	-	0	-	-	0	-	-	686	19.18	H	686	19.18	H	0	-	-	69	1.03	H	35	1.33	1.33	H	No Vol.	-
161 3	85	0.00	L	0	-	-	0	-	-	0	-	-	844	8.93	H	844	8.93	H	0	-	-	128	0.51	H	43	3.78	3.78	H	No Vol.	-
161 4	109	0.00	L	0	-	-	6	-	-	0	-	-	103	0.00	L	0	-	-	0	-	-	111	0.02	L	2	-	-	-	No Vol.	-
162 2	68	0.00	L	0	-	-	46	0.00	L	0	-	-	22	0.16	L	9	-	-	0	-	-	65	0.00	L	0	-	-	-	4	S

Sample	Ratio A			Ratio B									Ratio C									Ratio D			Ratio E				Ratio F	
	culm nodes: grains			rachis nodes: grains									glume bases: grains									weed seeds: grains			small : large weed seeds				Items: litres deposit	
	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
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162 5	9	-	-	0	-	-	0	-	-	0	-	-	61	5.78	H	52	52.00	H	0	-	-	11	0.22	L	2	-	-	-	3	S
162 7	49	0.00	L	0	-	-	9	-	-	0	-	-	47	0.17	L	47	0.17	L	0	-	-	52	0.06	L	3	-	-	-	2	S
163 2	136 5	0.00	L	71	71.00	H	51	0.0 0	L	0	-	-	1324	0.01	L	1324	0.01	L	0	-	-	137 9	0.01	L	14	0.27	0.27	L	97	D
163 3	44	0.00	L	0	-	-	0	-	-	0	-	-	155	2.52	H	155	2.52	H	0	-	-	46	0.05	L	2	-	-	-	7	S
163 4	98	0.00	L	0	-	-	0	-	-	0	-	-	98	0.05	L	0	-	-	0	-	-	98	0.05	L	5	-	-	-	4	S
163 5	4	-	-	0	-	-	2	-	-	0	-	-	4	-	-	4	-	-	0	-	-	58	13.50	H	54	6.71	4.40	H	1	S
163 6	42	0.02	L	0	-	-	0	-	-	0	-	-	77	0.88	I	77	0.88	I	0	-	-	67	0.63	H	26	5.50	3.33	H	3	S
163 7	28	0.00	L	0	-	-	25	0.0 0	L	0	-	-	15	4.29	H	15	4.29	H	0	-	-	51	0.82	H	23	10.50	6.67	H	2	S
163 9	12	0.00	L	0	-	-	4	-	-	0	-	-	30	2.75	H	30	2.75	H	0	-	-	182	14.17	H	170	-	41.5 0	H	5	S
164 0	85	0.00	L	0	-	-	63	0.0 3	L	0	-	-	108	3.46	H	71	2.91	H	37	5.11	H	159	0.87	H	74	2.52	1.64	H	6	S
164 7	10	0.00	L	0	-	-	5	-	-	0	-	-	20	3.00	H	20	3.00	H	0	-	-	51	4.10	H	41	3.56	1.73	H	2	S
164 9	39	0.00	L	0	-	-	28	0.0 0	L	0	-	-	64	4.89	H	64	4.89	H	0	-	-	75	0.92	H	36	8.00	3.50	H	3	S
165 0	6	-	-	0	-	-	3	-	-	0	-	-	45	14.00	H	42	42.00	H	0	-	-	39	5.50	H	33	5.60	5.60	H	2	S
165 3	10	0.00	L	0	-	-	1	-	-	0	-	-	152	14.20	H	152	14.20	H	0	-	-	30	2.00	H	20	9.00	5.67	H	4	S
165 4	15	0.00	L	0	-	-	0	-	-	0	-	-	125	7.33	H	125	7.33	H	0	-	-	243	15.20	H	228	11.00	5.51	H	9	S
165 6	39	0.00	L	0	-	-	30	0.0 7	L	0	-	-	113	9.15	H	113	9.15	H	0	-	-	195	4.00	H	156	2.63	2.39	H	7	S

Sample	Ratio A			Ratio B									Ratio C									Ratio D			Ratio E				Ratio F	
	culm nodes: grains			rachis nodes: grains									glume bases: grains									weed seeds: grains			small : large weed seeds				Items: litres deposit	
	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
166 3	173	0.00	L	0	-	-	139	0.0 0	L	0	-	-	34	0.06	L	0	-	-	0	-	-	179	0.05	L	8	-	-	-	10	S
166 8	27	0.00	L	0	-	-	18	0.0 0	L	0	-	-	0	-	-	0	-	-	0	-	-	63	1.33	H	36	5.00	2.27	H	2	SS
168 3	52	0.00	L	8	-	-	4	-	-	0	-	-	40	0.00	L	0	-	-	40	0.00	L	80	0.54	H	28	1.29	0.45	-	1	S
168 6	65	0.00	L	2	-	-	16	0.0 0	L	0	-	-	48	0.02	L	0	-	-	47	0.00	L	101	0.55	H	36	1.00	1.00	-	1	S
168 7	117	0.00	L	2	-	-	29	0.0 0	L	0	-	-	105	0.22	I	62	0.27	I	43	0.16	L	144	0.23	L	27	0.78	0.68	L	3	S
168 8	361	0.00	L	16	0.00	L	101	0.0 0	L	0	-	-	284	0.16	L	62	0.00	L	183	0.00	L	526	0.46	L	165	2.58	2.11	H	2	S
168 9	113	0.00	L	13	0.00	L	0	-	-	0	-	-	152	0.52	I	0	-	-	100	0.00	L	125	0.11	L	12	0.16	0.16	L	2	S
169 5	231	0.00	L	26	0.00	L	22	0.0 0	L	0	-	-	227	0.24	I	55	0.00	L	128	0.00	L	297	0.29	L	66	0.55	0.42	L	3	S
169 7	72	0.00	L	0	-	-	13	0.0 0	L	0	-	-	73	0.24	I	0	-	-	59	0.00	L	104	0.44	L	32	0.69	0.47	L	1	S
169 8	16	0.00	L	5	-	-	0	-	-	0	-	-	48	3.24	H	0	-	-	0	-	-	30	0.88	H	14	1.17	1.17	H	1	S
170 0	24	0.00	L	0	-	-	5	-	-	0	-	-	52	1.72	H	0	-	-	0	-	-	91	2.79	H	67	3.89	2.67	H	1	S
173 2	36	0.13	L	0	-	-	1	-	-	0	-	-	182	4.69	H	68	68.00	H	82	82.00	H	79	1.47	H	47	0.37	0.31	L	16	S
173 3	62	0.11	L	13	0.19	L	3	-	-	0	-	-	445	8.81	H	271	271.00	H	129	129.0 0	H	89	0.59	H	33	0.51	0.33	L	33	D
173 6	16	0.07	L	0	-	-	0	-	-	0	-	-	55	2.67	H	20	20.00	H	20	20.00	H	31	1.07	H	16	1.25	0.50	-	5	S
173 7	28	0.22	L	0	-	-	5	-	-	0	-	-	79	3.47	H	0	-	-	3	-	-	42	0.83	H	19	0.93	0.29	L	7	S
174 0	22	0.29	L	0	-	-	0	-	-	0	-	-	84	3.94	H	0	-	H	67	67.00	H	40	1.35	H	23	1.56	0.64	-	7	S

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	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
174 9	35	0.03	L	0	-	-	0	-	-	0	-	-	50	0.47	I	16	16.00	H	0	-	-	54	0.59	H	20	2.00	0.80	-	5	S
175 4	7	-	-	0	-	-	0	-	-	0	-	-	48	11.00	H	19	19.00		25	25.00	H	7	0.75	H	3	-	-	-	4	S
175 6	22	0.38	L	0	-	-	6	-	-	0	-	-	78	4.44	H	0	-	-	0	-	-	49	2.06	H	33	0.95	0.68	L	8	S
176 2	18	0.13	L	0	-	-	2	-	-	0	-	-	86	4.88	H	71	71.00	H	0	-	-	78	3.88	H	62	1.60	1.36	H	10	S
176 3	10	0.25	L	0	-	-	0	-	-	0	-	-	97	11.13	H	97	11.13	H	0	-	-	20	1.50	H	12	0.73	0.27	L	7	S
176 4	9	-	-	0	-	-	0	-	-	0	-	-	100	10.11	H	100	10.11	H	0	-	-	32	2.56	H	23	2.60	1.25	H	8	S
176 7	3	-	-	0	-	-	0	-	-	0	-	-	61	19.33	H	61	19.33	H	0	-	-	47	14.67	H	44	5.75	3.50	H	7	S
176 9	17	0.00	L	0	-	-	0	-	-	0	-	-	156	8.18	H	139	139.00	H	0	-	-	36	1.12	H	19	2.20	1.00	-	12	S
177 0	29	0.04	L	0	-	-	0	-	-	0	-	-	132	3.71	H	94	94.00	H	10	10.00	H	163	4.82	H	135	2.13	2.03	H	18	S
177 4	4	0.00	-	0	-	-	8	-	-	0	-	-	107	107.00	H	107	107.00	H	0	-	-	4	0.00	L	0	-	-	-	10	S
180 9	86	0.00	L	33	0.00	L	34	0.0	L	0	-	-	249	12.18	H	249	12.18	H	0	-	-	128	0.49	L	42	0.38	0.29	L	30	D
181 1	30	0.00	L	17	0.00	L	15	0.1	L	0	-	-	136	136.00	H	136	136.00	H	0	-	-	100	2.33	H	70	0.71	0.49	L	20	S
181 2	68	0.00	L	36	0.00	L	8	-	-	0	-	-	174	6.20	H	174	6.20	H	0	-	-	210	2.09	H	142	0.33	0.25	L	18	S
182 6	100	0.00	L	0	-	-	936	0.0	L	0	-	-	160	1.22	I	160	1.22	I	0	-	-	100	0.00	L	4	-	-	-	733	D
182 7	113	0.00	L	0	-	-	236	0.0	L	0	-	-	1624	0.80	I	1624	0.80	I	0	-	-	115	0.01	L	16	0.16	0.16	L	1251	D
182 8	447	0.00	L	0	-	-	405	0.0	L	0	-	-	44	0.05	L	44	0.05	L	0	-	-	447	0.00	L	0	-	-	-	449	D

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	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
1830	51	0.00	L	0	-	-	19	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	51	0.00	L	0	-	-	-	51	D
1833	7702	0.00	L	0	-	-	4371	0.01	L	0	-	-	7076	1.10	I	7076	1.10	I	0	-	-	7746	0.01	L	44	0.14	0.09	L	2298	D
1834	2946	0.00	L	0	-	-	2926	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	3519	0.19	L	573	1.15	1.05	H	879	D
1839	29	0.00	L	0	-	-	4	-	-	0	-	-	1316	51.19	H	1316	51.19	H	0	-	-	72	1.48	H	43	0.58	0.54	L	No Vol.	-
1870	53	0.00	L	0	-	-	29	0.00	L	0	-	-	134	4.67	H	134	4.67	H	0	-	-	193	2.64	H	140	3.80	2.00	H	152	D
1871	35	0.00	L	0	-	-	23	0.00	L	0	-	-	52	3.43	H	52	3.43	H	0	-	-	146	3.17	H	111	9.67	4.82	H	74	D
1872	5	-	-	0	-	-	5	-	-	0	-	-	42	42.00	H	42	42.00	H	0	-	-	246	48.20	H	241	12.19	0.28	-	82	D
1873	30	0.00	L	0	-	-	26	0.00	L	0	-	-	95	22.75	H	95	22.75	H	0	-	-	149	3.97	H	119	2.20	1.23	H	160	D
1883	201	0.00	L	0	-	-	27	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	209	0.04	L	8	-	-	-	52	D
1887	54	0.00	L	0	-	-	29	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	118	1.19	H	64	5.50	0.63	-	24	S
1893	54	0.00	L	0	-	-	19	0.00	L	1	-	-	37	0.12	L	0	-	-	0	-	-	66	0.22	L	12	1.75	0.83	-	20	S
1894	52	0.00	L	0	-	-	8	-	-	0	-	-	31	0.41	I	31	0.41	I	0	-	-	54	0.04	L	2	-	-	-	18	S
1897	292	0.00	L	0	-	-	62	0.00	L	0	-	-	254	0.10	L	254	0.10	L	0	-	-	292	0.00	L	0	-	-	-	No Vol.	-
1898	69	0.00	L	0	-	-	18	0.39	I	14	14	H	58	0.04	L	0	-	-	0	-	-	69	0.00	L	0	-	-	-	No Vol.	-
1921	57	0.02	L	0	-	-	12	0.00	L	0	-	-	203	3.65	H	203	3.65	H	0	-	-	87	0.55	H	31	1.21	1.07	H	12.35	S
1922	152	0.01	L	0	-	-	135	0.00	L	0	-	-	16	0.00	L	16	0.00	L	0	-	-	172	0.14	L	21	1.33	1.33	H	9	S

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	culm nodes: grains			rachis nodes: grains									glume bases: grains									weed seeds: grains			small : large weed seeds				Items: litres deposit	
	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
1923	568	0.00	L	0	-	-	459	0.00	L	0	-	-	109	0.00	L	109	0.00	L	0	-	-	589	0.04	L	21	0.17	0.05	L	29	D
1928	550	0.00	L	0	-	-	431	0.00	L	0	-	-	119	0.00	L	119	0.00	L	0	-	-	556	0.01	L	6	-	-	-	278	D
1929	60	0.00	L	0	-	-	52	0.00	L	0	-	-	8	-	-	8	-	-	0	-	-	69	0.15	L	9	-	-	-	35	D
1939	9	-	-	10	0.11	L	0	-	-	0	-	-	61	61.00	H	61	61.00	H	0	-	-	33	2.67	H	24	3.80	3.00	H	8	S
1953	5	-	-	0	-	-	0	-	-	0	-	-	59	10.80	H	59	10.80	H	0	-	-	12	1.40	H	7	-	-	-	No Vol.	-
1954	162	0.00	L	0	-	-	34	0.22	I	0	-	-	304	1.27	I	304	1.27	I	0	-	-	182	0.12	L	20	0.18	0.18	L	No Vol.	-
1958	6	-	-	0	-	-	0	-	-	0	-	-	42	6.00	H	42	6.00	H	0	-	-	21	2.50	H	15	14.00	2.75	H	No Vol.	-
1960	13	0.00	L	1	-	-	8	-	-	0	-	-	287	43.08	H	287	43.08	H	0	-	-	26	1.00	H	13	0.86	0.86	L	No Vol.	-
1961	17	0.00	L	1	-	-	0	-	-	0	-	-	197	10.59	H	197	10.59	H	0	-	-	81	3.76	H	64	3.00	3.00	H	No Vol.	-
1962	2	-	-	0	-	-	0	-	-	0	-	-	17	7.50	H	17	7.50	H	0	-	-	297	147.50	H	295	294.00	58.00	H	No Vol.	-
1964	22	0.00	L	0	-	-	0	-	-	0	-	-	119	4.41	H	119	4.41	H	0	-	-	75	2.41	H	53	1.21	1.12	H	No Vol.	-
1992	8	-	-	0	-	-	0	-	-	0	-	-	51	5.38	H	39	39.00	H	4	-	-	21	1.63	H	13	3.33	3.33	H	6	S
2002	231	0.00	L	0	-	-	142	0.00	L	0	-	-	101	0.14	L	101	0.14	L	0	-	-	301	0.30	L	70	0.49	0.49	L	16	S
2010	34	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	62	0.82	H	28	13.00	3.67	H	6	S
2013	67	0.00	L	0	-	-	14	0.00	L	0	-	-	56	0.06	L	56	0.06	L	0	-	-	146	1.18	H	79	18.75	6.18	H	7	S
2014	32	0.00	L	0	-	-	12	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	74	1.31	H	42	2.82	2.50	H	7	S

Sample	Ratio A			Ratio B									Ratio C									Ratio D			Ratio E				Ratio F	
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	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
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2020	40	0.00	L	0	-	-	11	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	121	2.03	H	81	0.11	0.09	L	3	S
2021	86	0.00	L	0	-	-	25	0.00	L	0	-	-	63	0.03	L	63	0.03	L	0	-	-	119	0.38	L	33	0.14	0.14	L	3	S
2027	34	0.17	L	0	-	-	31	0.07	L	0	-	-	5	-	-	5	-	-	0	-	-	121	3.17	H	92	2.54	0.44	-	7	S
2028	113	0.00	L	0	-	-	20	0.00	L	0	-	-	103	0.11	L	103	0.11	L	0	-	-	154	0.36	L	41	0.71	0.37	L	4	S
2033	488	0.00	L	67	67.00	H	77	0.74	H	0	-	-	10752	10752.00	H	10752	10752.00	H	0	-	-	597	0.22	L	109	0.54	0.51	L	1145	D
2034	280	0.00	L	0	-	-	68	1.54	H	0	-	-	10069	38.75	H	10069	38.75	H	0	-	-	450	0.61	H	170	1.36	0.93	-	11031	D
2035	62	0.00	L	0	-	-	0	-	-	0	-	-	772	11.45	H	772	11.45	H	0	-	-	65	0.05	L	3	-	-	-	78	D
2036	90	0.00	L	0	-	-	2	-	-	0	-	-	1137	11.98	H	1137	11.98	H	0	-	-	106	0.18	L	16	3.00	2.20	H	116	D
2038	440	0.00	L	0	-	-	75	0.00	L	0	-	-	571	0.57	I	571	0.57	I	0	-	-	1267	1.88	H	827	3.52	2.40	H	74	D
2039	6813	0.00	L	110	110.00	H	2982	0.02	L	0	-	-	34423	7.84	H	34308	7.81	H	115	115.00	H	6918	0.02	L	105	10.67	10.67	H	3762	D
2040	6	-	-	0	-	-	3	-	-	0	-	-	120	32.22	H	120	32.22	H	0	-	-	19	2.17	H	13	0.63	0.63	L	No Vol.	-
2041	14	0.00	L	0	-	-	11	0.10	L	0	-	-	265	68.36	H	265	68.36	H	0	-	-	47	2.36	H	33	1.06	0.32	-	No Vol.	-
2042	832	0.00	L	0	-	-	780	0.33	I	0	-	-	7716	30.68	H	7716	30.68	H	0	-	-	3528	3.24	H	2696	0.79	0.29	L	No Vol.	-
2043	66	0.00	L	0	-	-	33	0.00	L	0	-	-	34	0.03	L	12	0.09	L	22	0.00	L	82	0.24	L	16	2.20	0.45	-	4	S
2044	125	0.00	L	0	-	-	121	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	126	0.01	L	1	-	-	-	2	S
2047	177	0.01	L	1	-	-	81	2.33	H	0	-	-	1496	8.80	H	1496	8.80	H	0	-	-	309	0.75	H	132	1.03	1.03	H	171	D

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	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
2048	41	0.00	L	0	-	-	5	-	-	0	-	-	36	0.00	L	36	0.00	L	0	-	-	59	0.44	L	18	17.00	8.00	H	6	S
2049	58	0.02	L	0	-	-	249	5.55	H	0	-	-	290	13.50	H	270	270.00	H	0	-	-	118	1.03	H	60	1.14	0.67	-	599	D
2050	14	0.07	L	0	-	-	13	2.25	H	0	-	-	57	4.70	H	47	47.00	H	0	-	-	76	4.43	H	62	1.14	1.00	-	9	S
2051	170	0.00	L	0	-	-	291	1.22	H	0	-	-	39	0.00	L	0	-	-	0	-	-	547	2.22	H	377	1.97	1.53	H	88	D
2066	96	0.00	L	0	-	-	86	0.06	L	0	-	-	18	0.20	L	3	-	-	0	-	-	178	0.85	H	82	1.93	1.34	H	13	S
2067	88	0.00	L	0	-	-	37	0.75	H	0	-	-	209	2.13	H	142	142.00	H	0	-	-	106	0.20	L	18	3.50	1.25	H	19	S
2068	20	0.00	L	0	-	-	4	-	-	0	-	-	53	2.08	H	36	36.00	H	0	-	-	30	0.50	I	10	1.50	1.50	H	6	S
2069	17	0.00	L	0	-	-	4	-	-	0	-	-	13	0.00	L	0	-	-	0	-	-	162	8.53	H	145	17.13	0.96	-	12	S
2087	29	0.00	L	0	-	-	1	-	-	0	-	-	48	0.66	I	19	19.00	H	0	-	-	169	4.83	H	140	14.40	7.56	H	19	S
2089	2	-	-	0	-	-	2	-	-	0	-	-	5	-	-	5	-	-	0	-	-	456	227.00	H	454	8.87	5.14	H	92	D
2090	17	0.00	L	0	-	-	5	-	-	0	-	-	62	2.90	H	62	2.90	H	0	-	-	26	0.53	H	9	-	-	-	5	S
2091	0	-	-	0	-	-	0	-	-	0	-	-	1	-	-	1	-	-	0	-	-	62	62.00	H	62	61.00	30.00	H	3	S
2092	51	0.00	L	0	-	-	48	0.00	L	0	-	-	806	251.92	H	806	251.92	H	0	-	-	74	0.45	L	23	4.75	3.60	H	88	D
2093	54	0.00	L	0	-	-	5	-	-	0	-	-	614	11.17	H	564	564.00	H	0	-	-	130	1.41	H	76	0.73	0.65	L	87	D
2095	7	-	-	0	-	-	2	-	-	0	-	-	8	-	-	1	-	-	0	-	-	108	14.43	H	101	32.67	1.15	H	12	S
2096	43	0.00	L	0	-	-	3	-	-	0	-	-	45	0.12	L	5	-	-	0	-	-	57	0.33	L	14	1.80	1.00	-	3	S

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	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
2097	134	0.00	L	0	-	-	11	0.00	L	0	-	-	130	0.06	L	7	-	-	0	-	-	149	0.11	L	15	0.67	0.50	L	6	S
2098	54	0.00	L	0	-	-	11	0.00	L	0	-	-	55	0.28	I	12	12.00	H	0	-	-	77	0.43	L	23	1.56	0.64	-	4	S
2099	21	0.00	L	0	-	-	6	-	-	0	-	-	35	1.05	I	18	18.00	H	0	-	-	36	0.71	H	15	14.00	2.00	H	4	S
2100	17	0.00	L	0	-	-	4	-	-	0	-	-	13	0.00	L	0	-	-	0	-	-	162	8.53	H	145	17.13	0.96	-	12	S
2101	2	-	-	2	-	-	2	-	-	0	-	-	24	24.00	H	24	24.00	-	0	-	-	28	12.00	H	26	0.73	0.73	L	5	S
2102	44	0.00	L	3	-	-	0	-	-	0	-	-	112	1.55	H	68	68.00	H	0	-	-	71	0.61	H	27	0.59	0.17	L	24	S
2148	52	0.00	L	0	-	-	0	-	-	0	-	-	55	0.06	L	3	-	-	0	-	-	141	1.71	H	89	7.09	3.68	H	12	S
2149	80	0.00	L	23	0.00	L	0	-	-	0	-	-	170	1.97	H	112	-	H	1	-	-	186	1.33	H	106	0.80	0.34	L	25	S
2150	109	0.00	L	36	0.00	L	38	3.99	H	0	-	-	638	8.81	H	638	8.81	H	0	-	-	431	2.95	H	322	2.04	1.78	H	148	D
2151	238	0.00	L	0	-	-	105	5.97	H	0	-	-	1874	7.41	H	1874	7.41	H	0	-	-	856	2.60	H	618	8.09	6.45	H	325	D
2153	12	0.00	L	0	-	-	3	-	-	0	-	-	45	4.13	H	34	-	H	2	-	-	20	0.67	H	8	-	-	-	5	S
2154	12	0.00	L	0	-	-	6	-	-	0	-	-	63	6.19	H	63	6.19	H	0	-	-	51	3.25	H	39	0.34	0.30	L	11	S
2155	73	0.00	L	0	-	-	6	-	-	0	-	-	195	1.92	H	194	1.91	H	1	-	-	134	0.84	H	61	0.97	0.85	L	18	S
2156	18	0.00	L	0	-	-	0	-	-	0	-	-	22	0.22	I	4	-	-	0	-	-	93	4.17	H	75	11.50	0.44	-	16	S
2157	7	-	-	0	-	-	0	-	-	0	-	-	279	38.86	H	272	272.00	H	0	-	-	54	6.71	H	47	14.67	0.47	-	82	D
2158	61	0.00	L	0	-	-	5	-	-	0	-	-	63	0.13	L	7	-	-	0	-	-	69	0.13	L	8	-	-	-	5	S

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2159	3	-	-	0	-	-	0	-	-	0	-	-	5	0.67	I	5	-	-	0	-	-	73	23.33	H	70	13.00	0.27	-	6	S
2160	23	0.00	L	1	-	-	0	-	-	0	-	-	349	14.17	H	326	326.00	H	0	-	-	39	0.70	H	16	7.00	0.60	-	37	D
2161	57	0.00	L	0	-	-	17	0.06	L	0	-	-	45	0.10	L	45	0.10	L	0	-	-	60	0.05	L	3	-	-	-	4	S
2162	23	0.04	L	0	-	-	23	1.58	H	0	-	-	146	9.33	H	132	132.00	H	0	-	-	45	0.96	H	22	2.14	1.75	H	48	D
2163	185	0.00	L	0	-	-	117	0.23	I	0	-	-	173	0.92	I	83	83.00	H	0	-	-	506	1.74	H	321	5.42	4.10	H	61	D
2164	32	0.00	L	1	-	-	0	-	-	0	-	-	42	0.31	I	10	10.00	H	0	-	-	52	0.63	H	20	1.22	0.43	-	3	S
2257	8	-	-	0	-	-	7	-	-	0	-	-	47	7.88	H	35	35.00	H	7	-	-	36	3.50	H	28	1.55	1.15	H	5	S
2264	46	0.07	L	0	-	-	5	-	-	0	-	-	99	1.59	H	33	33.00	H	28	28.00	H	72	0.67	H	29	0.16	0.16	L	13	S
2276	24	0.00	L	0	-	-	11	0.00	L	0	-	-	86	5.53	H	73	73.00	H	0	-	-	133	4.54	H	109	0.36	0.31	L	26	D
2279	249	0.00	L	0	-	-	97	0.21	I	0	-	-	537	2.18	H	537	2.18	H	0	-	-	363	0.46	L	114	0.18	0.16	L	47	D
2280	7	-	-	18	18.00	H	6	-	-	0	-	-	9	0.50	I	9	0.50	I	0	-	-	67	8.11	H	60	3.00	1.61	H	8	S
2281	31	0.00	L	5	-	-	95	3.74	H	0	-	-	34	2.10	H	23	23.00	H	0	-	-	108	2.48	H	77	4.50	1.75	H	19	S
2288	407	0.00	L	0	-	-	0	-	-	0	-	-	844	1.07	I	844	1.07	I	0	-	-	575	0.41	L	168	7.40	5.46	H	145	D
2289	23	0.00	L	0	-	-	0	-	-	0	-	-	80	2.48	H	57	57.00	H	0	-	-	30	0.30	L	7	-	-	-	15	S
2290	27	0.00	L	0	-	-	9	-	-	0	-	-	322	15.10	H	322	15.10	H	0	-	-	50	0.85	H	23	1.09	0.35	-	24	S
2291	8	-	-	0	-	-	2	-	-	0	-	-	42	5.63	H	36	36.00	H	0	-	-	121	14.13	H	113	36.67	0.92	-	20	S

Sample	Ratio A			Ratio B									Ratio C									Ratio D			Ratio E				Ratio F	
	culm nodes: grains			rachis nodes: grains									glume bases: grains									weed seeds: grains			small : large weed seeds				Items: litres deposit	
	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
229 2	12	0.00	L	0	-	-	1	-	-	0	-	-	29	1.67	H	29	1.67	H	0	-	-	36	1.96	H	24	7.00	0.41	-	4	S
229 3	29	0.00	L	0	-	-	1	-	-	0	-	-	422	14.23	H	394	394.00	H	0	-	-	40	0.38	L	11	1.75	1.75	H	145	D
229 4	22	0.00	L	0	-	-	0	-	-	0	-	-	64	1.91	H	42	42.00	H	0	-	-	49	1.23	H	27	3.50	0.80	-	15	S
229 5	12	0.00	L	0	-	-	1	-	-	0	-	-	75	5.25	H	75	5.25	H	0	-	-	41	2.42	H	29	13.50	0.45	-	11	S
229 6	111	0.00	L	0	-	-	7	-	-	0	-	-	455	3.38	H	455	3.38	H	0	-	-	228	1.05	H	117	7.36	5.50	H	48	D
229 7	39	0.00	L	0	-	-	3	-	-	0	-	-	151	3.23	H	115	115.00	H	0	-	-	130	2.33	H	91	2.64	2.14	H	18	S
229 8	275	0.00	L	0	-	-	17	0.87	H	0	-	-	2709	9.19	H	2709	9.19	H	0	-	-	433	0.57	H	158	0.45	0.34	L	361	D
229 9	21	0.00	L	0	-	-	0	-	-	0	-	-	56	1.67	H	35	35.00	H	0	-	-	65	2.10	H	44	3.89	0.52	-	20	S
230 0	27	0.00	L	4	-	-	6	-	-	0	-	-	563	23.00	H	540	540.00	H	0	-	-	76	1.81	H	49	0.53	0.36	L	207	D
230 1	204	0.00	L	0	-	-	0	-	-	0	-	-	278	0.36	I	278	0.36	I	0	-	-	991	3.86	H	787	14.43	7.37	H	266.25	D
230 2	757	0.00	L	0	-	-	0	-	-	0	-	-	1004	0.33	I	1004	0.33	I	0	-	-	3242	3.28	H	2485	30.86	9.40	H	349	D
230 3	23	0.00	L	0	-	-	20	0.17	L	0	-	-	54	9.15	H	54	9.15	H	0	-	-	34	0.48	L	11	1.20	1.20	H	17	S
230 4	34	0.00	L	0	-	-	11	0.21	I	0	-	-	80	2.24	H	55	55.00	H	0	-	-	69	1.03	H	35	1.92	1.92	H	16	S
230 5	166	0.00	L	0	-	-	1	-	-	0	-	-	198	0.20	I	198	0.20	I	0	-	-	223	0.34	L	57	0.19	0.19	L	26	D
230 6	21	0.00	L	0	-	-	6	-	-	0	-	-	74	3.45	H	70	3.21	H	4	-	-	55	1.62	H	34	2.78	0.70	-	11	S
230 7	38	0.00	L	0	-	-	3	-	-	0	-	-	63	0.79	I	28	28.00	H	0	-	-	42	0.11	L	4	-	-	-	7	S

Sample	Ratio A			Ratio B									Ratio C									Ratio D			Ratio E				Ratio F	
	culm nodes: grains			rachis nodes: grains									glume bases: grains									weed seeds: grains			small : large weed seeds				Items: litres deposit	
	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
2329	21	0.00	L	0	-	-	1	-	-	0	-	-	139	5.62	H	118	118.00	H	0	-	-	26	0.24	L	5	-	-	-	29	D
2330	131	0.00	L	0	-	-	22	1.00	H	0	-	-	3020	24.17	H	3020	24.17	H	0	-	-	350	1.67	H	219	0.45	0.43	L	815	D
2331	29	0.00	L	0	-	-	10	-	-	0	-	-	37	0.93	I	18	18.00	H	0	-	-	46	0.59	H	17	7.50	0.31	L	11	S
2332	18	0.00	L	0	-	-	0	-	-	0	-	-	65	2.61	H	47	47.00	H	0	-	-	56	2.11	H	38	11.67	0.52	L	34	D
2333	21	0.00	L	0	-	-	0	-	-	0	-	-	56	1.67	H	35	35.00	H	0	-	-	68	2.24	H	47	2.92	0.47	L	21	S
2334	32	0.00	L	0	-	-	0	-	-	0	-	-	59	0.84	I	27	27.00	H	0	-	-	46	0.44	L	14	1.80	0.75	L	7	S
2335	106	0.00	L	0	-	-	19	0.12	L	0	-	-	412	3.64	H	323	323.00	H	0	-	-	130	0.23	L	24	0.60	0.50	L	91	D
2336	16	0.00	L	0	-	-	6	-	-	0	-	-	486	39.50	H	474	474.00	H	0	-	-	36	1.25	H	20	1.22	0.82	L	51	D
2337	8	-	-	0	-	-	1	-	-	0	-	-	137	16.13	H	129	129.00	H	0	-	-	15	0.88	H	7	-	-	-	21	S
2338	3	-	-	0	-	-	1	-	-	0	-	-	168	83.00	H	168	83.00	H	0	-	-	24	7.00	H	21	0.91	0.91	L	24	S
2339	163	0.00	L	0	-	-	0	-	-	0	-	-	182	0.12	L	182	0.12	L	0	-	-	216	0.33	L	53	6.57	2.31	H	30	D
2340	215	0.00	L	0	-	-	28	0.47	H	0	-	-	2268	10.57	H	2171	21.01	H	0	-	-	784	2.65	H	569	0.30	0.14	L	239	D
2341	14	0.00	L	0	-	-	0	-	-	0	-	-	43	2.07	H	29	29.00	H	0	-	-	29	1.07	H	15	2.75	1.50	H	4	S
2342	28	0.00	L	0	-	-	0	-	-	0	-	-	263	8.39	H	235	235.00	H	0	-	-	84	2.00	H	56	1.55	0.60	-	106	D
2343	137	0.00	L	0	-	-	1	-	-	0	-	-	253	0.86	I	253	0.86	I	0	-	-	2080	14.18	H	1943	19.67	18.05	H	439	D
2344	22	0.00	L	0	-	-	21	0.05	L	0	-	-	24	13.00	H	24	13.00	H	0	-	-	27	0.23	L	5	-	-	-	4	S

Sample	Ratio A			Ratio B									Ratio C									Ratio D			Ratio E				Ratio F	
	culm nodes: grains			rachis nodes: grains									glume bases: grains									weed seeds: grains			small : large weed seeds				Items: litres deposit	
	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
2368	21	0.00	L	0	-	-	2	-	-	0	-	-	324	14.43	H	324	14.43	H	0	-	-	29	0.38	L	8	-	-	-	28	D
2369	7	-	-	0	-	-	2	-	-	0	-	-	60	9.00	H	54	-	H	0	-	-	42	5.00	H	35	2.89	1.50	H	16	S
2370	88	0.00	L	0	-	-	10	-	-	0	-	-	537	5.44	H	537	5.44	H	0	-	-	187	1.13	H	99	1.11	1.11	H	65	D
2371	27	0.00	L	0	-	-	2	-	-	0	-	-	120	3.81	H	120	3.81	H	0	-	-	54	1.00	H	27	4.40	2.38	H	19	S
2373	37	0.00	L	0	-	-	1	-	-	0	-	-	262	6.08	H	262	6.08	H	0	-	-	1148	30.03	H	1111	10.22	5.94	H	115	D
2374	27	0.00	L	0	-	-	2	-	-	0	-	-	120	3.81	H	120	3.81	H	0	-	-	56	1.07	H	29	4.80	2.63	H	19	S
2375	16	0.00	L	0	-	-	0	-	-	0	-	-	399	23.94	H	383	383.00	H	0	-	-	32	1.00	H	16	3.00	2.20	H	35	D
2376	7	-	-	0	-	-	2	-	-	0	-	-	85	17.14	H	80	80.00	H	0	-	-	17	1.43	H	10	10.00	10.00	H	8	S
2385	36	0.00	L	0	-	-	0	-	-	0	-	-	136	2.78	H	136	2.78	H	0	-	-	126	2.50	H	90	6.50	5.43	H	28	D
2386	15	0.00	L	0	-	-	0	-	-	0	-	-	109	6.27	H	109	6.27	H	0	-	-	29	0.93	H	14	13.00	13.00	H	25	S
2387	20	0.00	L	0	-	-	2	-	-	0	-	-	139	6.32	H	120	120.00	H	0	-	-	37	0.85	H	17	2.40	2.40	H	14	S
2388	13	0.00	L	0	-	-	1	-	-	0	-	-	213	16.87	H	201	201.00	H	0	-	-	33	1.54	H	20	4.00	4.00	H	17	S
2389	38	0.00	L	0	-	-	1	-	-	0	-	-	180	3.90	H	163	3.44	H	17	17.00	H	114	2.00	H	76	4.07	3.75	H	26	D
2390	0	-	-	0	-	-	0	-	-	0	-	-	176	-	H	176	176.00	H	0	-	-	21	21.00	H	21	6.00	4.25	H	16	S
2391	38	0.00	L	0	-	-	4	-	-	0	-	-	344	8.66	H	344	8.66	H	0	-	-	73	0.92	H	35	16.50	16.50	H	27	D
2392	159	0.00	L	0	-	-	1	-	-	0	-	-	208	0.32	I	208	0.32	I	0	-	-	159	0.00	L	0	-	-	-	21	S

Sample	Ratio A			Ratio B									Ratio C									Ratio D			Ratio E				Ratio F	
	culm nodes: grains			rachis nodes: grains									glume bases: grains									weed seeds: grains			small : large weed seeds				Items: litres deposit	
	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
239 3	27	0.00	L	0	-	-	2	-	-	0	-	-	576	20.33	H	549	549.00	H	0	-	-	69	1.56	H	42	1.80	1.80	H	103	D
239 4	89	0.00	L	0	-	-	39	1.15	H	0	-	-	1625	21.99	H	1625	21.99	H	0	-	-	179	1.01	H	90	0.43	0.38	L	251	D
242 4	52	0.00	L	0	-	-	21	0.00	L	0	-	-	31	0.07	L	0	-	-	0	-	-	57	0.14	L	7	-	-	-	20	S
242 5	208	0.00	L	0	-	-	75	0.00	L	0	-	-	133	0.11	L	0	-	-	0	-	-	206	0.06	L	11	2.67	0.10	-	18	S
243 3	17	0.00	L	0	-	-	4	-	-	0	-	-	25	25.00	H	0	-	-	25	25.00	H	25	0.47	L	8	-	-	-	2	S
245 8	45	0.00	L	0	-	-	4	-	-	0	-	-	32	0.00	L	32	0.00	L	0	-	-	63	0.40	L	18	0.64	0.64	L	2	S
246 3	84	0.00	L	0	-	-	65	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	90	0.07	L	6	-	-	-	4	S
246 4	108	0.00	L	0	-	-	84	0.02	L	0	-	-	26	0.13	L	0	-	-	0	-	-	258	1.46	H	153	0.72	0.63	L	11	S
248 7	43	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	84	0.95	H	41	40.00	40.00	H	9	S
248 9	19	0.89	L	0	-	-	0	-	-	0	-	-	11	0.22	I	0	-	-	0	-	-	121	12.44	H	112	36.33	8.33	H	11	S
250 6	12	12.00	H	0	-	-	0	-	-	0	-	-	2	-	-	0	-	-	0	-	-	84	84.00	H	84	5.00	3.94	H	25	S
251 1	20	0.17	L	0	-	-	8	-	-	0	-	-	10	1.50	I	0	-	-	0	-	-	63	4.25	H	51	1.32	1.04	H	3	S
251 8	34	0.00	L	0	-	-	2	-	-	0	-	-	0	-	-	0	-	-	0	-	-	146	3.29	H	112	27.00	17.67	H	3	S
252 2	8	0.00	-	0	-	-	5	-	-	0	-	-	3	-	-	0	-	-	0	-	-	55	6.86	H	48	15.00	8.60	H	2	S
254 1	51	5.38	H	0	-	-	3	-	-	0	-	-	0	-	-	0	-	-	0	-	-	77	8.63	H	69	68.00	22.00	H	2	S
254 7	22	1.25	H	0	-	-	9	-	-	0	-	-	4	-	-	0	-	-	0	-	-	92	10.50	H	84	41.00	41.00	H	4	S

Sample	Ratio A			Ratio B									Ratio C									Ratio D			Ratio E				Ratio F	
	culm nodes: grains			rachis nodes: grains									glume bases: grains									weed seeds: grains			small : large weed seeds				Items: litres deposit	
	All cereal combined			Bread wheat			Barley			Rye			Combined glume wheat			Spelt			Emmer			All weeds, all cereals combined			All weed seeds				All items, deposit volume	
	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value	Interpretation	No. of items	Value 1 (int. = small)	Value 2 (int. = large)	Interpretation	Value	Interpretation
2549	49	0.21	L	0	-	-	38	0.71	H	0	-	-	22	12.50	H	0	-	-	0	-	-	194	7.08	H	170	33.00	27.33	H	29	D
2550	189	0.00	L	0	-	-	5	-	-	0	-	-	185	7.20	H	0	-	-	0	-	-	47	0.74	H	20	4.00	4.00	H	35	D
2551	40	0.03	L	0	-	-	53	0.61	H	0	-	-	6	-	-	0	-	-	0	-	-	131	2.97	H	98	97.00	48.00	H	20	S
2557	11	0.11	L	0	-	-	0	-	-	0	-	-	10	0.11	L	0	-	-	0	-	-	111	11.33	H	102	5.00	4.67	H	9	S
2567	2	0.00	-	0	-	-	1	-	-	0	-	-	2	-	-	0	-	-	0	-	-	64	63.00	H	63	14.75	8.00	H	17	S
2568	16	16.00	H	0	-	-	0	-	-	0	-	-	2	-	-	0	-	-	0	-	-	134	134.00	H	134	32.50	0.91	-	38	D
2578	23	0.00	L	0	-	-	8	-	-	0	-	-	15	0.16	L	0	-	-	0	-	-	67	2.19	H	46	8.20	8.20	H	3	S
2583	18	0.00	L	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	77	3.28	H	59	7.43	6.38	H	3	S
2584	8	0.00	-	0	-	-	0	-	-	0	-	-	8	-	-	0	-	-	0	-	-	56	8.33	H	50	49.00	49.00	H	3	S
2590	17	0.06	L	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	0	-	-	87	4.44	H	71	16.75	1.45	H	4	S
2610	23	0.14	L	0	-	-	6	-	-	0	-	-	16	10.71	H	0	-	-	0	-	-	50	6.14	H	43	2.91	2.58	H	4	S

Table A2.2. Characterisation of crop-processing derivation by sample.

	Ratios										Sample characterisation
	A	B (bread wheat)	B (barley)	B (Rye)	C (combined)	C (spelt)	C (emmer)	D	E	F	
51	L	-	-	-	L	L	-	L	L	S	Clean spelt grain
56	L	-	-	-	L	L	-	L	L	S	Clean spelt grain
59	L	-	-	-	L	L	-	L	L	S	Clean spelt grain
76	L	-	-	-	L	L	-	H	L	S	Clean spelt grain
116	L	-	-	-	H	H	-	L	-	-	Spelt fine-sieving by-products *
117	L	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
120	L	-	-	-	H	H	H	H	L	D	Spelt fine-sieving by-products *
122	-	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
123	L	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
124	L	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
125	L	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
127	-	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
128	L	-	-	-	H	H	-	L	L	D	Spelt fine-sieving by-products *
129	-	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
130	-	-	-	-	H	H	-	L	-	D	Spelt fine-sieving by-products *
131	-	-	-	-	H	H	-	H	-	S	Spelt fine-sieving by-products *
132	-	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
149	L	-	L	-	-	-	-	L	-	S	Clean barley grain
165	L	-	-	-	L	-	H	L	-	S	Clean emmer grain
167	L	-	-	-	H	H	H	H	L	S	Spelt and emmer fine-sieving by-products *
169	L	-	-	-	L	-	-	L	L	D	Clean glume wheat grain
172	L	-	L	-	H	H	H	H	H	S	Barley grain mixed with spelt and emmer fine-sieving by-products
200	L	-	L	-	-	-	-	L	L	S	Clean barley grain
202	L	-	L	-	I	I	-	H	L	S	Clean barley grain mixed with sieved spelt spikelets
203	L	-	L	-	-	-	-	H	L	S	Clean barley grain
234	L	-	L	-	-	-	-	L	-	-	Clean barley grain
235	L	-	L	-	-	-	-	L	-	-	Clean barley grain
236	L	-	L	-	-	-	-	L	-	-	Clean barley grain
249	L	-	-	-	H	H	H	H	H	D	Spelt and emmer fine-sieving by-products
257	L	-	-	-	H	H	-	L	-	-	Spelt fine-sieving by-products *
273	-	-	-	-	H	H	H	H	-	S	Spelt and emmer fine-sieving by-products
274	L	-	L	-	H	H	H	L	-	S	Clean barley grain mixed with spelt and emmer fine-sieving by-products *
275	L	-	-	-	I	-	H	L	-	D	Emmer spikelets
276	L	-	-	-	I	-	-	H	L	S	Sieved glume wheat spikelets
283	L	-	L	-	I	H	-	L	-	D	Clean barley grain mixed with sieved spelt and emmer spikelets
284	L	-	-	-	I	I	-	H	H	D	Spelt spikelets
285	L	-	-	-	I	I	-	L	L	S	Sieved spelt spikelets
286	L	-	L	-	L	L	-	L	L	D	Clean barley and spelt grain
288	L	-	-	-	H	H	-	H	L	D	Spelt fine-sieving by-products *
305	L	-	-	-	H	H	-	L	L	D	Spelt fine-sieving by-products *
307	L	-	L	-	L	-	L	L	-	S	Clean barley and emmer grain
312	L	-	L	-	H	-	H	H	H	D	Barley grain mixed with emmer fine-sieving by-products
313	L	-	L	-	I	H	H	H	H	D	Barley grain mixed with emmer fine-sieving by-products
314	L	-	L	-	L	-	L	L	L	S	Clean barley and emmer grain
315	L	-	H	-	I	H	H	H	L	D	Sieved spelt and emmer spikelets
316	L	-	L	-	I	-	-	H	L	D	Sieved glume wheat spikelets
317	L	-	-	-	I	H	H	L	L	S	Sieved spelt and emmer spikelets
322	L	-	L	-	I	-	I	L	-	S	Clean barley grain mixed with sieved emmer spikelets
334	-	-	-	-	H	-	H	H	H	S	Emmer fine-sieving by-products
349	L	-	-	-	H	L	H	H	L	S	Glume wheat fine-sieving by-products *
357	-	-	-	-	H	H	H	H	L	S	Spelt and emmer fine-sieving by-products
364	L	-	-	-	H	H	-	H	H	D	Spelt fine-sieving by-products
365	-	-	-	-	H	H	-	H	-	D	Spelt fine-sieving by-products *
366	L	-	-	-	H	H	-	L	-	D	Spelt fine-sieving by-products *

	Ratios										Sample characterisation
	A	B (bread wheat)	B (barley)	B (Rye)	C (combined)	C (spelt)	C (emmer)	D	E	F	
367	L	-	-	-	H	H	-	L	-	D	Spelt fine-sieving by-products *
368	L	-	-	-	H	H	-	L	-	D	Spelt fine-sieving by-products *
369	-	-	-	-	H	H	-	-	-	D	Spelt fine-sieving by-products *
371	L	-	L	-	H	H	-	L	-	D	Clean barley grain mixed with spelt fine-sieving by-products*
372	L	-	L	-	H	H	-	L	H	D	Clean barley grain mixed with spelt fine-sieving by-products*
373	L	-	L	-	H	H	-	L	-	D	Clean barley grain mixed with spelt fine-sieving by-products*
374	L	-	H	-	H	H	-	H	L	D	Spelt and barley fine-sieving by-products *
375	L	-	L	-	H	H	-	L	L	D	Clean barley grain mixed with spelt fine-sieving by-products *
376	L	-	L	-	I	I	-	L	L	D	Clean barley grain mixed with sieved spelt spikelets
377	L	-	I	-	H	H	-	L	-	D	Spelt and barley fine-sieving by-products *
378	L	-	I	-	H	H	-	L	H	D	Spelt and barley fine-sieving by-products *
379	L	-	L	-	H	H	-	L	H	D	Spelt fine-sieving by-products *
380	L	-	L	-	H	H	-	H	-	D	Spelt fine-sieving by-products
381	L	-	L	-	I	I	-	L	L	S	Clean barley grain mixed with sieved spelt spikelets
382	L	-	H	-	H	H	-	H	H	D	Spelt and barley fine-sieving by-products
383	L	-	-	-	H	H	-	H	H	D	Spelt fine-sieving by-products
384	L	-	-	-	L	L	-	L	H	-	Clean spelt grain
385	L	-	-	-	L	L	-	L	-	-	Clean spelt grain
386	L	-	-	-	L	L	-	L	-	-	Clean spelt grain
423	L	-	H	-	H	H	H	H	H	D	Spelt fine-sieving by-products mixed with barley early-processing by-products
439	-	-	-	-	H	-	H	H	H	D	Emmer fine-sieving by-products
451	-	-	-	-	H	H	H	H	H	D	Spelt and emmer fine-sieving by-products
452	L	-	-	-	H	H	H	H	-	S	Spelt and emmer fine-sieving by-products
454	-	-	-	-	H	H	H	H	-	S	Spelt and emmer fine-sieving by-products
457	L	-	-	-	H	H	H	L	-	S	Spelt and emmer fine-sieving by-products
466	-	-	-	-	H	-	H	-	-	S	Emmer fine-sieving by-products *
471	L	-	-	-	H	-	H	H	H	S	Emmer fine-sieving by-products
474	L	L	L	-	L	L	-	L	-	D	Clean spelt grain
475	L	-	-	-	H	H	-	L	-	D	Spelt fine-sieving by-products *
478	L	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
479	L	-	-	-	I	I	-	H	L	S	Sieved spelt spikelets
484	L	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products
485	L	-	-	-	H	H	-	H	H	D	Spelt fine-sieving by-products
486	L	-	-	-	H	H	-	H	H	D	Spelt fine-sieving by-products
487	L	-	-	-	L	L	-	H	H	S	Spelt grain mixed with small weed seeds
488	L	-	-	-	H	H	-	H	H	-	Spelt fine-sieving by-products
501	-	-	-	-	H	H	H	H	-	S	Spelt and emmer fine-sieving by-products
546	L	-	L	-	-	-	-	L	H	D	Barley grain mixed with small weed seeds
547	L	-	L	-	L	L	-	L	L	S	Clean spelt and barley grain
548	L	-	L	-	L	L	-	L	L	S	Clean spelt grain
550	L	-	-	-	-	-	-	L	-	S	Clean indeterminate wheat grain
556	L	-	-	-	-	-	-	L	-	D	Clean indeterminate wheat grain
557	L	-	L	-	-	-	-	L	-	-	Clean indeterminate wheat grain
558	L	-	-	-	-	-	-	L	-	D	Clean indeterminate wheat grain
559	L	-	L	-	-	-	-	L	-	-	Clean indeterminate wheat grain
560	L	-	-	-	-	-	-	L	-	D	Clean indeterminate wheat grain
561	L	-	-	-	-	-	-	L	-	D	Clean indeterminate wheat grain
562	L	-	-	-	-	-	-	L	-	D	Clean indeterminate wheat grain
563	L	-	-	-	-	-	-	L	-	D	Clean indeterminate wheat grain
564	L	-	-	-	-	-	-	L	-	D	Clean indeterminate wheat grain
565	L	-	-	-	-	-	-	L	-	D	Clean indeterminate wheat grain
566	L	-	-	-	-	-	-	L	-	D	Clean indeterminate wheat grain
567	L	-	-	-	-	-	-	L	-	D	Clean indeterminate wheat grain
568	L	-	-	-	-	-	-	L	-	-	Clean indeterminate wheat grain
569	L	-	-	-	-	-	-	L	-	D	Clean indeterminate wheat grain
570	L	-	-	-	-	-	-	L	-	-	Clean indeterminate wheat grain
571	L	-	-	-	-	-	-	L	-	D	Clean indeterminate wheat grain

	Ratios										Sample characterisation
	A	B (bread wheat)	B (barley)	B (Rye)	C (combined)	C (spelt)	C (emmer)	D	E	F	
572	L	-	-	-	L	L	-	L	-	D	Clean spelt grain
573	L	-	-	-	L	L	-	L	-	D	Clean spelt grain
574	L	-	-	-	-	-	-	L	-	D	Clean indeterminate wheat grain
575	L	-	-	-	L	L	-	L	-	D	Clean spelt grain
576	L	-	L	-	L	L	-	L	-	D	Clean spelt grain
577	L	-	-	-	L	-	-	L	L	D	Clean indeterminate wheat grain
578	L	-	-	-	L	L	-	L	-	D	Clean spelt grain
579	L	-	-	-	-	-	-	L	-	D	Clean indeterminate wheat grain
580	L	-	-	-	-	-	-	L	-	D	Clean indeterminate wheat grain
581	L	-	L	-	-	-	-	L	-	D	Clean indeterminate wheat grain
588	L	-	L	-	L	-	-	L	H	S	Barley and glume wheat (spelt?) grain mixed with small weed seeds
594	L	-	L	-	H	H	-	H	H	S	Barley grain mixed with spelt fine-sieving by-products
595	L	-	H	-	H	H	-	H	H	S	Spelt fine-sieving by-products mixed with barley early-processing by-products
596	L	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products
607	L	L	-	-	I	I	-	H	H	D	Bread wheat grain mixed with spelt spikelets
623	L	-	-	-	H	H	-	I	-	D	Spelt fine-sieving by-products *
624	L	-	-	-	H	H	-	H	-	D	Spelt fine-sieving by-products *
625	-	-	-	-	H	H	-	I	-	D	Spelt fine-sieving by-products *
626	-	-	-	-	H	H	-	H	-	D	Spelt fine-sieving by-products *
627	L	-	-	-	H	H	-	H	-	D	Spelt fine-sieving by-products *
628	L	-	-	-	H	H	-	L	-	D	Spelt fine-sieving by-products *
629	L	-	-	-	H	H	-	L	-	D	Spelt fine-sieving by-products *
630	L	-	-	-	H	H	-	L	-	D	Spelt fine-sieving by-products *
631	-	-	-	-	H	H	-	L	-	D	Spelt fine-sieving by-products *
632	L	-	-	-	H	H	-	L	L	D	Spelt fine-sieving by-products *
634	L	-	-	-	L	-	H	H	L	S	Clean glume wheat grain
635	L	-	-	-	H	H	-	H	-	S	Spelt fine-sieving by-products
636	L	-	H	-	I	I	-	H	H	S	Spelt spikelets mixed with barley early processing by-products
637	L	-	-	-	L	-	-	H	H	D	Glume wheat grain mixed with small weed seeds
638	L	-	-	-	H	H	-	H	L	D	Spelt fine-sieving by-products *
639	L	-	-	-	I	I	-	H	L	D	Sieved spelt spikelets
640	L	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
641	L	-	-	-	H	H	-	L	H	D	Spelt fine-sieving by-products *
642	L	-	-	-	H	H	-	L	L	S	Spelt fine-sieving by-products *
643	L	-	-	-	H	H	H	L	-	S	Spelt and emmer fine-sieving by-products *
645	L	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
646	-	-	-	-	H	H	-	-	-	F	Spelt fine-sieving by-products *
647	L	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products
648	L	-	-	-	H	H	-	H	H	F	Spelt fine-sieving by-products
651	L	-	L	-	-	-	-	L	L	S	Clean barley and indeterminate wheat grain
654	L	-	L	-	-	-	-	L	-	-	Clean barley and indeterminate wheat grain
656	L	-	L	-	-	-	-	L	L	-	Clean barley and indeterminate wheat grain
657	L	-	-	-	-	-	-	L	-	-	Clean indeterminate wheat grain
658	L	-	L	-	-	-	-	L	-	-	Clean barley and indeterminate wheat grain
660	L	-	L	-	-	-	-	L	L	-	Clean barley and indeterminate wheat grain
663	L	-	L	-	-	-	-	L	-	-	Clean barley and indeterminate wheat grain
664	L	-	L	-	-	-	-	L	-	-	Clean barley and indeterminate wheat grain
665	L	-	L	-	-	-	-	L	-	-	Clean barley and indeterminate wheat grain
666	L	-	L	-	-	-	-	L	-	-	Clean barley and indeterminate wheat grain
668	L	-	L	-	-	-	-	L	-	-	Clean barley and indeterminate wheat grain
673	L	-	L	-	-	-	-	L	-	-	Clean barley and indeterminate wheat grain
678	L	-	L	-	-	-	-	L	L	-	Clean barley and indeterminate wheat grain
680	L	-	L	-	-	-	-	L	L	-	Clean barley and indeterminate wheat grain
684	L	-	-	-	-	-	-	L	-	-	Clean indeterminate wheat grain
693	L	-	L	-	-	-	-	L	-	-	Clean barley and indeterminate wheat grain
694	L	-	-	-	-	-	-	L	-	-	Clean indeterminate wheat grain
718	L	L	L	-	L	L	L	L	L	D	Clean barley, bread wheat, spelt and emmer grain
719	L	L	-	-	-	-	-	H	H	S	Bread wheat fine-sieving by-products
720	L	L	-	-	I	H	L	L	-	D	Clean bread wheat grain mixed with sieved spelt and

	Ratios										Sample characterisation
	A	B (bread wheat)	B (barley)	B (Rye)	C (combined)	C (spelt)	C (emmer)	D	E	F	
											emmer spikelets
721	L	L	-	-	H	H	-	H	L	D	Clean bread wheat grain mixed with spelt fine-sieving by-products *
722	L	L	-	-	H	H	-	H	L	D	Clean bread wheat grain mixed with spelt fine-sieving by-products *
727	L	-	-	-	L	L	-	L	-	S	Clean spelt grain
728	L	L	-	-	L	-	-	L	-	S	Clean bread wheat and glume wheat grain
729	L	-	L	-	H	H	-	H	L	D	Spelt and barley fine-sieving by-products *
730	-	-	-	-	H	H	-	H	L	S	Spelt fine-sieving by-products *
731	L	L	-	-	H	H	-	H	L	D	Spelt and bread wheat fine-sieving by-products *
732	L	L	-	-	H	H	-	H	H	S	Bread wheat grain mixed with spelt fine-sieving by-products
733	L	L	-	-	H	H	-	L	L	S	Clean bread wheat grain mixed with spelt fine-sieving by-products *
734	L	-	-	-	L	-	-	L	-	S	Clean glume wheat grain
737	L	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products
738	L	-	-	-	I	H	-	H	H	S	Spelt spikelets
741	L	-	-	-	I	H	-	L	-	S	Spelt spikelets
743	L	-	-	-	H	H	-	H	L	S	Spelt fine-sieving by-products *
747	L	-	L	-	I	I	-	L	-	S	Clean barley grain mixed with sieved spelt spikelets
748	L	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
749	L	-	L	-	H	H	-	L	L	S	Clean barley grain mixed with spelt fine-sieving by-products *
751	L	-	L	-	L	L	-	L	-	S	Clean spelt and barley grain
752	L	-	L	-	H	H	-	L	-	S	Clean barley grain mixed with spelt fine-sieving by-products *
753	L	-	L	-	I	I	-	L	L	S	Clean barley grain mixed with sieved spelt spikelets
754	L	-	L	-	I	I	-	L	L	S	Clean barley grain mixed with sieved spelt spikelets
755	L	-	L	-	H	H	-	L	L	D	Spelt and barley fine-sieving by-products *
756	L	-	-	-	H	H	-	L	L	D	Spelt fine-sieving by-products *
757	L	-	-	-	H	H	-	L	L	S	Spelt fine-sieving by-products *
758	L	-	L	-	H	H	-	L	L	D	Clean barley grain mixed with spelt fine-sieving by-products *
759	L	L	L	-	H	H	-	H	L	D	Clean barley and bread wheat grain mixed with spelt fine-sieving by-products *
760	L	-	L	-	H	H	-	L	L	D	Clean barley grain mixed with spelt fine-sieving by-products *
761	L	-	-	-	H	H	-	H	L	D	Spelt fine-sieving by-products *
762	L	-	L	-	H	H	-	L	L	D	Clean barley grain mixed with spelt fine-sieving by-products *
763	L	-	L	-	I	I	-	L	L	S	Clean barley grain mixed with sieved spelt spikelets
764	L	-	L	-	H	H	-	H	L	D	Spelt and barley fine-sieving by-products *
765	L	-	H	-	H	H	-	H	L	D	Spelt and barley fine-sieving by-products *
767	L	-	-	-	H	H	-	H	L	D	Spelt and barley fine-sieving by-products
768	L	-	L	-	I	I	-	L	L	S	Clean barley grain mixed with sieved spelt spikelets
770	L	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
771	L	-	L	-	H	H	-	H	L	D	Clean barley grain mixed with spelt fine-sieving by-products *
775	L	-	I	-	H	H	-	L	L	D	Spelt and barley fine-sieving by-products *
776	L	-	L	-	I	I	-	L	L	S	Clean barley grain mixed with sieved spelt spikelets
777	L	-	L	-	H	H	-	H	L	D	Spelt and barley fine-sieving by-products *
778	L	-	H	-	H	H	-	L	L	D	Spelt and barley fine-sieving by-products *
779	L	-	L	-	H	H	-	L	L	D	Spelt and barley fine-sieving by-products *
780	L	-	-	-	I	I	-	L	-	S	Sieved spelt spikelets
782	L	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
783	L	-	H	-	H	H	-	L	H	D	Spelt and barley fine-sieving by-products *
784	L	-	L	-	H	H	-	L	L	S	Spelt and barley fine-sieving by-products *
786	L	-	-	-	H	H	-	L	L	S	Spelt fine-sieving by-products *
797	L	-	-	-	I	I	-	L	-	S	Spelt spikelets
798	L	-	L	-	-	-	-	L	L	S	Clean barley grain

	Ratios										Sample characterisation
	A	B (bread wheat)	B (barley)	B (Rye)	C (combined)	C (spelt)	C (emmer)	D	E	F	
804	L	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
805	L	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
806	L	-	-	-	H	H	-	L	-	D	Spelt fine-sieving by-products *
810	L	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
811	L	-	-	-	H	H	-	H	-	S	Spelt fine-sieving by-products *
813	L	-	L	-	H	H	-	L	-	S	Spelt and barley fine-sieving by-products *
814	L	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
817	L	-	-	-	I	L	-	L	-	S	Sieved spelt spikelets
819	L	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
823	L	-	L	-	H	H	-	L	L	D	Clean barley grain mixed with spelt fine-sieving by-products *
824	L	-	H	-	H	H	-	H	H	S	Spelt and barley fine-sieving by-products
825	L	-	L	-	H	H	-	L	L	S	Clean barley grain mixed with spelt fine-sieving by-products *
826	L	-	L	-	H	H	-	L	L	D	Clean barley grain mixed with spelt fine-sieving by-products *
827	L	-	L	-	H	H	-	L	L	D	Spelt and barley fine-sieving by-products *
828	L	-	L	-	H	H	-	L	L	D	Spelt and barley fine-sieving by-products *
829	L	-	L	-	H	H	-	L	L	D	Spelt and barley fine-sieving by-products *
830	L	-	L	-	I	I	-	L	L	D	Clean barley grain mixed with sieved spelt spikelets
831	L	-	L	-	I	I	-	L	L	S	Clean barley grain mixed with sieved spelt spikelets
834	L	-	-	-	I	I	-	L	-	S	Sieved spelt spikelets
835	L	-	-	-	I	I	-	L	L	S	Sieved spelt spikelets
836	L	-	-	-	I	I	-	L	-	S	Sieved spelt spikelets
840	L	-	-	-	I	I	-	L	L	S	Sieved spelt spikelets
842	L	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
850	L	-	L	-	I	I	-	L	-	S	Clean barley grain mixed with sieved spelt spikelets
851	L	-	L	-	H	H	-	L	-	S	Clean barley grain mixed with spelt fine-sieving by-products *
853	L	-	-	-	H	H	-	H	L	S	Spelt fine-sieving by-products *
854	L	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
855	L	-	L	-	H	H	-	L	L	D	Spelt and barley fine-sieving by-products *
857	L	-	L	-	L	L	-	L	-	S	Clean spelt and barley grain
863	L	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
866	L	-	L	-	H	H	-	L	L	S	Clean barley grain mixed with spelt fine-sieving by-products *
869	L	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
870	L	-	L	-	H	H	-	L	-	S	Clean barley grain mixed with spelt fine-sieving by-products *
873	L	-	L	-	I	I	-	L	-	S	Clean barley grain mixed with sieved spelt spikelets
891	L	-	-	-	H	H	-	L	L	-	Spelt fine-sieving by-products *
892	L	-	-	-	H	H	-	L	-	-	Spelt fine-sieving by-products *
893	-	-	-	-	H	H	-	-	-	-	Spelt fine-sieving by-products *
904	L	-	-	-	L	-	-	L	L	-	Clean spelt grain
931	L	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
932	L	-	-	-	H	-	H	L	-	S	Emmer fine-sieving by-products *
933	L	-	-	-	H	H	H	L	L	S	Spelt and emmer fine-sieving by-products *
938	L	-	-	-	L	-	-	L	-	S	Clean glume wheat grain
940	L	-	L	-	L	-	-	L	-	S	Clean barley and glume wheat grain
941	L	-	L	-	L	-	-	L	-	S	Clean barley and glume wheat grain
943	L	-	-	-	L	-	-	L	-	S	Clean glume wheat grain
945	L	-	-	-	L	H	-	L	L	S	Clean spelt grain
946	L	-	L	-	L	-	-	H	H	S	Barley and glume wheat grain mixed with small weed seeds
947	L	-	L	-	-	-	-	L	-	S	Clean barley grain
948	L	-	-	-	L	-	-	L	L	S	Clean glume wheat grain
949	L	-	-	-	L	-	-	L	L	S	Clean glume wheat grain
952	L	-	-	-	I	H	-	H	L	S	Sieved spelt spikelets
953	L	-	-	-	H	H	-	H	L	S	Spelt fine-sieving by-products *
954	L	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products
956	L	-	-	-	I	I	-	H	H	D	Spelt spikelets
957	L	-	-	-	L	-	-	L	L	D	Clean glume wheat grain
971	-	-	-	-	-	-	-	H	H	D	Small weed seeds

	Ratios										
	A	B (bread wheat)	B (barley)	B (Rye)	C (combined)	C (spelt)	C (emmer)	D	E	F	
											Sample characterisation
985	L	-	-	-	L	-	-	L	L	S	Clean glume wheat grain
986	L	-	-	-	L	L	-	L	L	D	Clean spelt grain
987	L	-	L	-	-	-	-	H	H	S	Barley grain mixed with small weed seeds
988	L	-	-	-	I	-	-	H	H	D	Glume wheat spikelets
989	L	-	L	-	I	H	-	H	H	D	Barley grain mixed with small weed seeds
991	L	-	L	-	-	-	-	H	H	S	Barley grain mixed with small weed seeds
1011	L	-	L	-	L	L	-	L	-	D	Clean barley and spelt grain
1026	-	-	-	-	-	-	-	H	H	S	Small weed seeds
1030	L	-	L	-	-	-	-	H	H	S	Barley fine-sieving by-products
1033	L	-	L	-	-	-	-	L	L	-	Clean indeterminate wheat grain
1035	L	-	-	-	L	L	-	L	L	-	Clean spelt grain
1036	L	-	L	-	-	-	-	L	-	-	Clean barley grain
1038	L	-	L	-	-	-	-	L	L	-	Clean barley grain
1039	L	-	L	-	L	L	-	L	L	D	Clean spelt grain
1085	L	-	-	-	H	H	-	H	-	D	Spelt fine-sieving by-products
1086	L	-	-	-	I	I	-	L	L	D	Sieved spelt spikelets
1092	L	-	L	-	I	-	-	H	L	S	Clean barley grain mixed with sieved spelt spikelets
1093	-	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products
1094	-	-	-	-	-	-	-	H	H	S	Small weed seeds
1097	L	-	L	-	L	-	-	L	-	S	Clean barley and glume wheat grain
1099	L	-	L	-	H	H	-	L	L	S	Clean barley grain mixed with spelt fine-sieving by-products *
1100	-	-	-	-	H	H	-	H	-	S	Spelt fine-sieving by-products *
1102	-	-	-	-	H	H	-	H	L	S	Spelt fine-sieving by-products *
1103	-	-	-	-	H	H	-	H	-	S	Spelt fine-sieving by-products *
1105	L	-	-	-	I	H	-	H	L	S	Sieved spelt spikelets
1113	L	-	H	-	H	H	-	H	H	S	Spelt fine-sieving by-products mixed with barley early-processing by-products
1116	-	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products
1119	L	-	-	-	H	H	-	H	L	S	Spelt fine-sieving by-products
1120	-	-	-	-	I	-	-	H	H	S	Glume wheat spikelets
1126	L	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products
1128	L	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products
1129	-	-	-	-	H	H	-	H	-	S	Spelt fine-sieving by-products *
1131	L	-	-	-	H	H	-	H	L	S	Spelt fine-sieving by-products *
1133	L	-	-	-	H	H	-	H	L	S	Spelt fine-sieving by-products *
1139	L	-	-	-	H	H	-	H	H	D	Spelt fine-sieving by-products
1143	-	-	-	-	H	H	-	H	L	S	Spelt fine-sieving by-products *
1144	L	-	-	-	H	H	-	H	L	S	Spelt fine-sieving by-products *
1149	-	-	-	-	H	H	-	H	L	S	Spelt fine-sieving by-products *
1152	-	-	-	-	H	H	-	H	L	S	Spelt fine-sieving by-products *
1153	L	-	-	-	I	-	-	H	-	S	Glume wheat spikelets
1167	L	-	-	-	H	H	-	H	L	S	Spelt fine-sieving by-products *
1176	L	-	L	-	I	H	-	H	H	S	Barley grain mixed with spelt fine-sieving by-products
1186	L	-	-	-	H	H	-	H	L	S	Spelt fine-sieving by-products *
1193	L	-	-	-	H	H	-	H	-	S	Spelt fine-sieving by-products
1195	L	-	L	-	H	H	-	H	H	S	Barley grain mixed with spelt fine-sieving by-products
1196	-	-	-	-	H	H	-	H	L	S	Spelt fine-sieving by-products *
1198	-	-	-	-	H	H	-	H	-	S	Spelt fine-sieving by-products *
1199	-	-	-	-	H	H	-	H	-	S	Spelt fine-sieving by-products *
1200	-	-	-	-	H	H	-	H	L	S	Spelt fine-sieving by-products *
1203	-	-	-	-	H	H	-	H	L	S	Spelt fine-sieving by-products *
1204	-	-	-	-	H	H	-	H	-	S	Spelt fine-sieving by-products *
1214	L	-	-	-	I	L	-	H	H	D	Spelt spikelets
1216	L	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
1231	L	-	-	-	I	I	-	L	L	D	Sieved spelt spikelets
1232	L	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products
1235	L	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products
1236	L	-	-	-	H	H	-	H	H	D	Spelt fine-sieving by-products
1237	L	-	L	-	L	H	-	L	-	S	Clean barley and spelt grain
1238	L	-	-	-	I	H	-	H	-	S	Sieved spelt spikelets
1239	L	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products
1240	L	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products

	Ratios										Sample characterisation
	A	B (bread wheat)	B (barley)	B (Rye)	C (combined)	C (spelt)	C (emmer)	D	E	F	
1241	L	-	-	-	H	H	-	H	L	S	Spelt fine-sieving by-products *
1242	L	-	-	-	H	H	-	H	L	S	Spelt fine-sieving by-products *
G	L	-	-	-	I	-	-	H	H	S	Glume wheat spikelets
1245	L	-	-	-	I	H	-	H	L	S	Sieved spelt spikelets
1246	L	-	-	-	H	H	H	H	L	S	Spelt and emmer fine-sieving by-products *
1247	L	-	-	-	H	H	H	H	L	D	Spelt fine-sieving by-products *
1248	L	-	-	-	L	-	-	H	L	S	Clean glume wheat grain
1249	L	-	-	-	H	H	-	L	L	D	Spelt fine-sieving by-products *
1250	L	-	-	-	I	I	-	H	L	S	Sieved spelt spikelets
1251	L	-	-	-	I	-	-	H	L	S	Sieved spelt and emmer spikelets
1252	-	-	-	-	H	H	H	H	H	D	Spelt fine-sieving by-products
1253	L	-	L	-	H	H	-	H	H	S	Spelt fine-sieving by-products
1254	L	-	-	-	H	H	H	L	-	S	Spelt fine-sieving by-products *
1255	L	-	-	-	I	-	-	H	L	S	Sieved glume wheat spikelets
1256	L	-	-	-	H	H	H	H	H	S	Spelt and emmer fine-sieving by-products
1259	-	-	-	-	H	H	-	H	L	S	Spelt fine-sieving by-products *
1264	L	-	-	-	I	I	-	H	H	S	Spelt spikelets
1265	L	-	-	-	I	H	-	H	L	S	Sieved spelt spikelets
1266	L	-	L	-	H	H	H	H	H	D	Barley grain mixed with spelt fine-sieving by-products
1267	L	-	L	-	I	H	-	L	L	S	Clean barley grain mixed with sieved spelt spikelets
1269	L	-	-	-	H	H	-	H	L	S	Spelt fine-sieving by-products *
1270	L	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products
1275	L	-	-	-	H	H	-	H	L	S	Spelt fine-sieving by-products *
1276	-	-	-	-	H	H	-	H	-	S	Spelt fine-sieving by-products *
1277	-	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products
1280	L	-	-	-	I	I	-	H	L	S	Sieved spelt spikelets
1281	-	-	-	-	I	-	-	H	L	S	Sieved spelt spikelets
1284	L	-	-	-	L	-	-	H	L	S	Clean spelt grain
1287	L	-	H	-	-	-	-	H	H	S	Barley early-processing by-products
1290	-	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products
1292	L	-	-	-	I	I	-	H	H	-	Spelt spikelets
1299	L	-	I	-	I	I	-	H	H	S	Barley grain mixed with spelt spikelets
1300	L	-	L	-	L	L	-	H	H	S	Barley fine-sieving by-products
1301	L	-	I	-	-	-	-	H	H	S	Barley fine-sieving by-products
1302	L	-	L	-	I	I	-	H	H	S	Barley fine-sieving by-products
1303	L	-	L	-	-	-	-	H	H	S	Barley fine-sieving by-products
1305	L	-	L	-	L	-	-	H	H	S	Barley and spelt grain mixed with small weed seeds
1306	-	-	-	-	-	-	-	H	H	S	Small weed seeds
1307	-	-	-	-	-	-	-	H	H	S	Small weed seeds
1308	-	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products
1315	L	-	L	-	I	I	-	L	-	-	Clean barley grain mixed with sieved spelt spikelets
1325	L	-	-	-	H	H	H	H	L	S	Spelt fine-sieving by-products *
1337	L	-	-	-	I	H	H	H	H	S	Spelt and emmer fine-sieving by-products
1339	L	-	-	-	-	-	-	H	H	S	Glume wheat spikelet-sieving by-products
1344	L	-	L	-	L	H	-	L	L	D	Clean barley and spelt grain
1345	L	-	L	-	L	L	-	LL	L	D	Clean spelt grain
1346	L	-	L	-	L	L	-	L	L	D	Clean spelt grain
1347	L	-	L	-	L	L	-	L	L	D	Clean barley and spelt grain
1348	L	-	L	-	L	L	-	L	L	D	Clean spelt grain
1349	L	-	-	-	L	L	-	L	L	D	Clean spelt grain
1350	L	-	L	-	L	L	-	H	L	D	Clean spelt grain
1351	L	-	L	-	L	L	-	L	L	D	Clean spelt grain
1352	L	-	L	-	L	L	-	L	L	D	Clean spelt grain
1353	L	-	L	-	L	L	-	L	L	D	Clean spelt grain
1354	L	-	L	-	L	L	-	L	L	D	Clean barley and spelt grain
1357	L	-	-	-	I	-	-	L	-	S	Glume wheat spikelets
1360	L	-	-	-	H	H	-	H	L	S	Spelt fine-sieving by-products *
1361	L	-	-	-	I	H	-	H	-	S	Spelt spikelets
1362	L	-	-	-	I	H	-	H	H	S	Spelt spikelets
1363	L	-	-	-	I	H	-	H	L	S	Sieved spelt spikelets
1364	L	-	-	-	I	H	-	H	L	D	Sieved spelt spikelets
1365	L	-	-	-	H	H	-	H	L	S	Spelt fine-sieving by-products *
1366	L	-	L	-	H	H	-	H	H	S	Spelt fine-sieving by-products

	Ratios										
	A	B (bread wheat)	B (barley)	B (Rye)	C (combined)	C (spelt)	C (emmer)	D	E	F	
											Sample characterisation
1369	L	-	L	-	-	-	-	H	H	S	Barley grain mixed with small weed seeds
1371	L	-	L	-	H	H	-	H	L	S	Clean barley grain mixed with spelt fine-sieving by-products *
1372	L	-	L	-	H	H	-	L	H	D	Clean barley grain mixed with spelt fine-sieving by-products *
1373	L	-	-	-	L	L	-	L	L	D	Clean spelt grain
1374	L	-	-	-	L	L	-	L	H	D	Clean spelt grain
1375	L	-	L	-	I	H	-	H	H	S	Barley grain mixed with spelt spikelets
1376	L	-	-	-	H	H	-	L	H	S	Spelt fine-sieving by-products *
1382	L	-	L	-	I	H	-	L	L	S	Clean barley grain mixed with sieved spelt spikelets
1388	L	-	-	-	L	L	-	L	-	S	Clean spelt grain
1391	L	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
1393	L	-	-	-	I	-	-	H	H	S	Glume wheat spikelets
1395	L	-	-	-	L	-	-	L	H	S	Clean spelt grain
1397	L	-	-	-	L	H	-	L	H	S	Clean spelt grain
1398	L	-	-	-	I	H	-	L	-	S	Sieved spelt spikelets
1399	L	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
1400	L	-	-	-	L	-	-	L	H	S	Clean glume wheat grain
1401	L	-	-	-	L	-	-	L	L	D	Clean glume wheat grain
1403	L	-	-	-	L	-	-	H	L	S	Clean glume wheat grain
1404	L	-	-	-	H	H	-	L	L	S	Spelt fine-sieving by-products *
1405	-	-	-	-	H	H	H	-	-	S	Spelt and emmer fine-sieving by-products *
1406	L	-	-	-	H	H	H	L	L	D	Spelt fine-sieving by-products *
1407	-	-	-	-	H	H	-	-	-	S	Spelt fine-sieving by-products *
1408	-	-	-	-	H	H	-	-	-	S	Spelt fine-sieving by-products *
1409	L	L	-	-	H	H	-	L	L	D	Spelt fine-sieving by-products *
1411	L	-	-	-	L	-	-	L	-	S	Clean glume wheat grain
1412	L	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products
1413	L	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products
1414	L	-	-	-	H	H	-	I	L	S	Spelt fine-sieving by-products *
1417	-	-	-	-	H	H	H	-	-	S	Spelt and emmer fine-sieving by-products *
1419	L	-	-	-	H	H	-	L	L	S	Spelt fine-sieving by-products *
1420	L	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products
1421	L	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products
1422	-	-	-	-	H	H	-	H	-	S	Spelt fine-sieving by-products
1423	L	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
1424	L	L	-	-	H	H	H	H	L	D	Spelt and emmer fine-sieving by-products
1425	L	-	-	-	H	-	-	H	L	D	Glume wheat fine-sieving by-products
1426	L	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products
1428	L	-	-	-	H	H	-	H	L	S	Spelt fine-sieving by-products *
1430	L	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
1432	L	-	-	-	I	H	-	H	H	S	Spelt spikelets
1433	-	-	-	-	H	H	-	H	-	S	Spelt fine-sieving by-products *
1434	L	-	L	-	I	H	-	L	H	S	Barley grain mixed with spelt spikelets
1435	L	-	-	-	H	H	H	L	L	D	Spelt fine-sieving by-products *
1437	L	-	-	-	H	H	-	H	L	S	Spelt fine-sieving by-products *
1454	L	-	-	-	I	I	-	L	L	-	Sieved spelt spikelets
1457	L	-	L	-	I	-	-	H	H	D	Barley grain mixed with glume wheat spikelets
1461	L	-	-	-	H	H	H	H	-	D	Spelt and emmer fine-sieving by-products *
1464	L	-	-	-	H	-	H	H	H	D	Emmer fine-sieving by-products *
1467	-	-	-	-	H	H	H	H	H	D	Spelt and emmer fine-sieving by-products *
1470	-	-	-	-	H	H	H	H	-	D	Spelt and emmer fine-sieving by-products *
1471	L	L	-	-	H	H	H	H	-	S	Spelt and emmer fine-sieving by-products *
1480	L	-	L	-	L	-	-	L	H	D	Barley and glume wheat grain mixed with small weed seeds
1481	L	-	L	-	I	H	H	L	H	D	Spelt and emmer spikelets
1482	L	-	L	-	I	H	H	H	L	S	Clean barley grain mixed with sieved spelt and emmer spikelets
1483	L	-	L	-	L	H	-	H	H	S	Barley and spelt grain mixed with small weed seeds
1484	L	-	L	-	I	H	-	L	H	S	Barley grain mixed with spelt spikelets
1485	L	-	-	-	L	H	-	H	L	S	Clean spelt grain
1486	L	-	L	-	I	H	-	H	L	D	Sieved spelt spikelets
1487	L	-	H	-	I	H	-	H	H	S	Spelt spikelets

	Ratios										
	A	B (bread wheat)	B (barley)	B (Rye)	C (combined)	C (spelt)	C (emmer)	D	E	F	
											Sample characterisation
1488	L	-	-	-	L	-	-	L	-	S	Clean glume wheat grain
1489	L	-	-	-	L	-	-	L	-	D	Clean glume wheat grain
1490	L	-	-	-	L	H	-	L	-	S	Clean spelt grain
1491	L	-	-	L	I	H	-	L	H	D	Spelt spikelets
1492	L	-	-	-	I	H	-	L	H	D	Spelt spikelets
1493	L	-	-	L	H	H	-	L	L	D	Spelt fine-sieving by-products *
1494	L	-	-	-	L	H	H	L	H	D	Clean spelt and emmer grain
1495	L	-	-	-	I	H	-	L	H	D	Spelt spikelets
1496	L	-	-	-	I	H	-	L	-	S	Spelt spikelets
1497	L	-	L	-	I	H	-	L	H	D	Spelt spikelets
1498	L	-	-	-	H	H	-	L	H	D	Spelt fine-sieving by-products *
1499	L	-	-	-	H	H	-	L	H	D	Spelt fine-sieving by-products *
1500	L	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
1501	L	L	-	-	I	H	-	L	H	D	Clean spelt grain
1502	L	L	L	-	-	-	-	L	L	S	Clean barley and bread wheat grain mixed with spelt fine-sieving by-products *
1503	L	L	-	-	-	-	-	L	H	S	Clean bread wheat grain
1537	L	-	L	-	H	H	-	L	L	S	Spelt and barley fine-sieving by-products *
1539	L	-	-	-	H	H	-	L	H	D	Spelt fine-sieving by-products *
1540	L	-	-	-	H	H	-	L	H	D	Spelt fine-sieving by-products *
1544	L	-	-	-	L	L	-	H	H	S	Spelt grain mixed with small weed seeds
1546	-	-	-	-	-	-	-	H	H	D	Spelt spikelet-sieving by-products
1553	L	-	-	-	I	I	-	L	H	S	Spelt spikelets
1554	L	-	-	-	H	H	H	L	L	D	Spelt fine-sieving by-products *
1556	L	-	L	-	L	-	L	L	H	D	Barley and emmer grain mixed with small weed seeds
1557	L	-	L	-	L	-	L	L	L	D	Clean barley and emmer grain
1558	L	-	L	-	-	-	-	L	H	S	Clean barley grain
1560	L	-	L	-	L	-	L	L	H	D	Clean barley grain
1562	L	-	L	-	I	-	I	L	H	D	Clean barley grain
1564	L	-	-	-	H	H	-	H	H	D	Spelt fine-sieving by-products
1565	L	-	L	-	L	-	-	L	-	S	Clean barley and glume wheat grain
1566	L	-	L	-	I	-	-	H	H	S	Barley grain mixed with glume wheat spikelets
1568	L	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products
1569	L	-	-	-	H	H	-	H	-	S	Spelt fine-sieving by-products
1571	L	-	L	-	H	H	-	H	H	D	Spelt and barley fine-sieving by-products *
1572	L	-	-	-	H	H	-	H	-	D	Spelt fine-sieving by-products
1573	L	-	-	-	H	H	-	H	-	S	Spelt fine-sieving by-products
1581	L	-	-	-	L	-	-	H	H	S	Glume wheat spikelet-sieving by-products
1583	L	-	-	-	I	H	-	L	-	S	Spelt spikelets
1594	L	-	-	-	L	-	-	H	L	D	Clean glume wheat grain
1601	-	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products
1602	L	-	-	-	I	H	-	H	-	S	Spelt spikelets
1604	L	-	-	-	L	-	-	H	H	S	Glume wheat spikelet-sieving by-products
1607	L	-	-	-	I	H	-	L	H	S	Spelt spikelets
1610	L	-	-	-	H	H	-	H	L	-	Spelt fine-sieving by-products *
1611	L	-	-	-	H	H	-	H	L	-	Spelt fine-sieving by-products *
1612	L	-	-	-	H	H	-	H	H	-	Spelt fine-sieving by-products
1613	L	-	-	-	H	H	-	H	H	-	Spelt fine-sieving by-products
1614	L	-	-	-	L	-	-	L	-	-	Clean glume wheat grain
1622	L	-	L	-	L	-	-	L	-	S	Clean barley and spelt grain
1625	-	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
1627	L	-	-	-	L	L	-	L	-	S	Clean spelt grain
1632	L	H	L	-	L	L	-	L	L	D	Spelt and barley grain mixed with bread wheat early-processing by-products
1633	L	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
1634	L	-	-	-	L	-	-	L	-	S	Clean glume wheat grain
1635	-	-	-	-	-	-	-	H	H	S	Spelt spikelet-sieving by-products
1636	L	-	-	-	I	I	-	H	H	S	Spelt spikelets
1637	L	-	L	-	H	H	-	H	H	S	Barley grain mixed with small weed seeds
1639	L	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products
1640	L	-	L	-	H	H	H	H	H	S	Barley grain mixed with spelt and emmer fine-sieving by-products
1647	L	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products

	Ratios										Sample characterisation
	A	B (bread wheat)	B (barley)	B (Rye)	C (combined)	C (spelt)	C (emmer)	D	E	F	
1649	L	-	L	-	H	H	-	H	H	S	Barley grain mixed with spelt fine-sieving by-products
1650	-	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products
1653	L	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products
1654	L	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products
1656	L	-	L	-	H	H	-	H	H	S	Barley grain mixed with spelt fine-sieving by-products
1663	L	-	L	-	L	-	-	L	-	S	Clean barley and glume wheat grain
1668	L	-	L	-	-	-	-	H	H	SS	Barley fine-sieving by-products
1683	L	-	-	-	L	-	L	H	-	S	Emmer grain mixed with weed seeds
1686	L	-	L	-	L	-	L	H	-	S	Barley and emmer grain mixed with weed seeds
1687	L	-	L	-	I	I	L	L	L	S	Spelt and emmer spikelets
1688	L	L	L	-	L	L	L	L	H	S	Barley, spelt and emmer grain mixed with small weed seeds
1689	L	L	-	-	I	-	L	L	L	S	Emmer spikelets
1695	L	L	L	-	I	L	L	L	L	S	Spelt and emmer spikelets
1697	L	-	L	-	I	-	L	L	L	S	Clean barley grain mixed with sieved emmer spikelets
1698	L	-	-	-	H	-	-	H	H	S	Glume wheat fine-sieving by-products
1700	L	-	-	-	H	-	-	H	H	S	Glume wheat fine-sieving by-products
1732	L	-	-	-	H	H	H	H	L	S	Spelt and emmer fine-sieving by-products *
1733	L	L	-	-	H	H	H	H	L	D	Spelt and emmer fine-sieving by-products *
1736	L	-	-	-	H	H	H	H	-	S	Spelt and emmer fine-sieving by-products
1737	L	-	-	-	H	-	-	H	L	S	Glume wheat fine-sieving by-products *
1740	L	-	-	-	H	H	H	H	-	S	Emmer fine-sieving by-products
1749	L	-	-	-	I	H	-	H	-	S	Spelt spikelets
1754	-	-	-	-	H	-	H	H	-	S	Spelt and emmer fine-sieving by-products *
1756	L	-	-	-	H	-	-	H	L	S	Glume wheat fine-sieving by-products *
1762	L	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products
1763	L	-	-	-	H	H	-	H	L	S	Spelt fine-sieving by-products *
1764	-	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products
1767	-	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products
1769	L	-	-	-	H	H	-	H	-	S	Spelt fine-sieving by-products
1770	L	-	-	-	H	H	H	H	H	S	Spelt fine-sieving by-products
1774	-	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
1809	L	L	L	-	H	H	-	L	L	D	Clean barley and bread wheat grain mixed with spelt fine-sieving by-products *
1811	L	L	L	-	H	H	-	H	L	S	Spelt fine-sieving by-products *
1812	L	L	-	-	H	H	-	H	L	S	Clean bread wheat grain mixed with spelt fine-sieving by-products *
1826	L	-	L	-	I	I	-	L	-	D	Clean barley grain mixed with sieved spelt spikelets
1827	L	-	L	-	I	I	-	L	L	D	Clean barley grain mixed with sieved spelt spikelets
1828	L	-	L	-	L	L	-	L	-	D	Clean barley and spelt grain
1830	L	-	L	-	-	-	-	L	-	D	Clean barley grain
1833	L	-	L	-	I	I	-	L	L	D	Clean barley grain mixed with sieved spelt spikelets
1834	L	-	L	-	-	-	-	L	H	D	Barley grain mixed with small weed seeds
1839	L	-	-	-	H	H	-	H	L	-	Spelt fine-sieving by-products *
1870	L	-	L	-	H	H	-	H	H	D	Barley grain mixed with spelt fine-sieving by-products
1871	L	-	L	-	H	H	-	H	H	D	Barley grain mixed with spelt fine-sieving by-products
1872	-	-	-	-	H	H	-	H	-	D	Spelt fine-sieving by-products
1873	L	-	L	-	H	H	-	H	H	D	Barley grain mixed with spelt fine-sieving by-products
1883	L	-	L	-	-	-	-	L	-	D	Clean barley grain
1887	L	-	L	-	-	-	-	H	-	S	Clean barley grain
1893	L	-	L	-	L	-	-	L	-	S	Clean barley and spelt grain
1894	L	-	-	-	I	I	-	L	-	S	Sieved spelt spikelets
1897	L	-	L	-	L	L	-	L	-	-	Clean barley and spelt grain
1898	L	-	I	H	L	-	-	L	-	-	Clean spelt grain mixed with barley and rye early processing by-products
1921	L	-	L	-	H	H	-	H	H	S	Spelt fine-sieving by-products
1922	L	-	L	-	L	L	-	L	H	S	Clean barley grain
1923	L	-	L	-	L	L	-	L	L	D	Clean barley and spelt grain
1928	L	-	L	-	L	L	-	L	-	D	Clean barley and spelt grain
1929	L	-	L	-	-	-	-	L	-	D	Clean barley grain
1939	-	L	-	-	H	H	-	H	H	S	Spelt and bread wheat fine-sieving by-products
1953	-	-	-	-	H	H	-	H	-	-	Spelt fine-sieving by-products
1954	L	-	I	-	I	I	-	L	L	-	Clean barley grain mixed with sieved spelt spikelets

	Ratios										
	A	B (bread wheat)	B (barley)	B (Rye)	C (combined)	C (spelt)	C (emmer)	D	E	F	
											Sample characterisation
1958	-	-	-	-	H	H	-	H	H	-	Spelt fine-sieving by-products
1960	L	-	-	-	H	H	-	H	L	-	Spelt fine-sieving by-products *
1961	L	-	-	-	H	H	-	H	H	-	Spelt fine-sieving by-products
1962	-	-	-	-	H	H	-	H	H	-	Spelt fine-sieving by-products
1964	L	-	-	-	H	H	-	H	H	-	Spelt fine-sieving by-products
1992	-	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products
2002	L	-	L	-	L	L	-	L	L	S	Clean barley and spelt grain
2010	L	-	-	-	-	-	-	H	H	S	Indeterminate wheat (bread wheat) fine-sieving by-products
2013	L	-	L	-	L	L	-	H	H	S	Barley and spelt grain mixed with small weed seeds
2014	L	-	L	-	-	-	-	H	H	S	Barley and indeterminate wheat (bread wheat) fine-sieving by-products
2020	L	-	L	-	-	-	-	H	L	S	Clean barley and indeterminate wheat grain
2021	L	-	L	-	L	L	-	L	L	S	Clean barley and spelt grain
2027	L	-	L	-	-	-	-	H	-	S	Barley early-processing by-products
2028	L	-	L	-	L	L	-	L	L	S	Clean barley and spelt grain
2033	L	H	H	-	H	H	-	L	L	D	Spelt fine-sieving by-products *
2034	L	-	H	-	H	H	-	H	-	D	Spelt fine-sieving by-products
2035	L	-	-	-	H	H	-	L	-	D	Spelt fine-sieving by-products *
2036	L	-	-	-	H	H	-	L	H	D	Spelt fine-sieving by-products *
2038	L	-	L	-	I	I	-	H	H	D	Barley grain mixed with spelt spikelets
2039	L	H	L	-	H	H	H	L	H	D	Barley grain mixed with spelt fine-sieving by-products
2040	-	-	-	-	H	H	-	H	L	-	Spelt fine-sieving by-products *
2041	L	-	L	-	H	H	-	H	-	-	Spelt fine-sieving by-products
2042	L	-	I	-	H	H	-	H	L	-	Barley grain mixed with spelt fine-sieving by-products
2043	L	-	L	-	L	L	L	L	-	S	Clean barley, spelt and emmer grain
2044	L	-	L	-	-	-	-	L	-	S	Clean barley grain
2047	L	-	H	-	H	H	-	H	H	D	Spelt fine-sieving by-products mixed with barley early-processing by-products
2048	L	-	-	-	L	L	-	L	H	S	Clean spelt grain
2049	L	-	H	-	H	H	-	H	-	D	Spelt fine-sieving by-products mixed with barley early-processing by-products
2050	L	-	H	-	H	H	-	H	-	S	Spelt fine-sieving by-products mixed with barley early-processing by-products
2051	L	-	H	-	L	-	-	H	H	D	Glume wheat grain mixed with barley early processing by-products
2066	L	-	L	-	L	-	-	H	H	S	Barley and glume wheat grain mixed with small weed seeds
2067	L	-	H	-	H	H	-	L	H	S	Spelt fine-sieving by-products mixed with barley early-processing by-products
2068	L	-	-	-	H	H	-	I	H	S	Spelt fine-sieving by-products
2069	L	-	-	-	L	-	-	H	-	S	Glume wheat spikelet-sieving by-products
2087	L	-	-	-	I	H	-	H	H	S	Spelt spikelets
2089	-	-	-	-	-	-	-	H	H	D	Small weed seeds
2090	L	-	-	-	H	H	-	H	-	S	Spelt fine-sieving by-products *
2091	-	-	-	-	-	-	-	H	H	S	Small weed seeds
2092	L	-	L	-	H	H	-	L	H	D	Spelt fine-sieving by-products *
2093	L	-	-	-	H	H	-	H	L	D	Spelt fine-sieving by-products *
2095	-	-	-	-	-	-	-	H	H	S	Small weed seeds
2096	L	-	-	-	L	-	-	L	-	S	Clean glume wheat grain
2097	L	-	L	-	L	-	-	L	L	S	Clean glume wheat grain
2098	L	-	L	-	I	H	-	L	-	S	Clean barley grain mixed with sieved spelt spikelets
2099	L	-	-	-	I	H	-	H	H	S	Spelt spikelets
2100	L	-	-	-	L	-	-	H	-	S	Glume wheat spikelet-sieving by-products
2101	-	-	-	-	H	-	-	H	L	S	Spelt fine-sieving by-products *
2102	L	-	-	-	H	H	-	H	L	S	Spelt fine-sieving by-products *
2148	L	-	-	-	L	-	-	H	H	S	Spelt spikelet-sieving by-products
2149	L	L	-	-	H	H	-	H	L	S	Spelt fine-sieving by-products *
2150	L	L	H	-	H	H	-	H	H	D	Bread wheat grain mixed with spelt fine-sieving by-products and barley early-processing by-products
2151	L	-	H	-	H	H	-	H	H	D	Spelt fine-sieving by-products mixed with barley early-processing by-products
2153	L	-	-	-	H	H	-	H	-	S	Spelt fine-sieving by-products

	Ratios										
	A	B (bread wheat)	B (barley)	B (Rye)	C (combined)	C (spelt)	C (emmer)	D	E	F	Sample characterisation
2154	L	-	-	-	H	H	-	H	L	S	Spelt fine-sieving by-products
2155	L	-	-	-	H	H	-	H	L	S	Spelt fine-sieving by-products
2156	L	-	-	-	I	-	-	H	-	S	Glume wheat spikelet-sieving by-products
2157	-	-	-	-	H	H	-	H	-	D	Spelt fine-sieving by-products
2158	L	-	-	-	L	-	-	L	-	S	Clean spelt grain
2159	-	-	-	-	I	-	-	H	-	S	Spelt spikelet-sieving by-products
2160	L	-	-	-	H	H	-	H	-	D	Clean spelt grain
2161	L	-	L	-	L	L	-	L	-	S	Clean barley and spelt grain
2162	L	-	H	-	H	H	-	H	H	D	Spelt fine-sieving by-products mixed with barley early-processing by-products
2163	L	-	I	-	I	H	-	H	H	D	Barley grain mixed with spelt spikelets
2164	L	-	-	-	I	H	-	H	-	S	Spelt spikelets
2257	-	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products
2264	L	-	-	-	H	H	H	H	L	S	Spelt and emmer fine-sieving by-products *
2276	L	-	L	-	H	H	-	H	L	D	Spelt and barley fine-sieving by-products *
2279	L	-	I	-	H	H	-	L	L	D	Barley grain mixed with spelt fine-sieving by-products
2280	-	H	-	-	I	I	-	H	H	S	Bread wheat early-processing by-products
2281	L	-	H	-	H	H	-	H	H	S	Spelt fine-sieving by-products mixed with barley early-processing by-products
2288	L	-	-	-	I	I	-	L	H	D	Spelt spikelets
2289	L	-	-	-	H	H	-	L	-	S	Spelt fine-sieving by-products *
2290	L	-	-	-	H	H	-	H	-	S	Spelt fine-sieving by-products
2291	-	-	-	-	H	H	-	H	-	S	Spelt fine-sieving by-products
2292	L	-	-	-	H	H	-	H	-	S	Spelt fine-sieving by-products
2293	L	-	-	-	H	H	-	L	H	D	Spelt fine-sieving by-products *
2294	L	-	-	-	H	H	-	H	-	S	Spelt fine-sieving by-products
2295	L	-	-	-	H	H	-	H	-	S	Spelt fine-sieving by-products
2296	L	-	-	-	H	H	-	H	H	D	Spelt fine-sieving by-products
2297	L	-	-	-	H	H	-	H	H	S	Spelt fine-sieving by-products
2298	L	-	H	-	H	H	-	H	L	D	Spelt fine-sieving by-products *
2299	L	-	-	-	H	H	-	H	-	S	Spelt fine-sieving by-products
2300	L	-	-	-	H	H	-	H	L	D	Spelt fine-sieving by-products *
2301	L	-	-	-	I	I	-	H	H	D	Spelt spikelets
2302	L	-	-	-	I	I	-	H	H	D	Spelt spikelets
2303	L	-	L	-	H	H	-	L	H	S	Barley grain mixed with spelt fine-sieving by-products
2304	L	-	I	-	H	H	-	H	H	S	Barley grain mixed with spelt fine-sieving by-products
2305	L	-	-	-	I	I	-	L	L	D	Sieved spelt spikelets
2306	L	-	-	-	H	H	-	H	-	S	Spelt fine-sieving-by-products
2307	L	-	-	-	I	H	-	L	-	S	Sieved spelt spikelets
2329	L	-	-	-	H	H	-	L	-	D	Spelt fine-sieving by-products *
2330	L	-	H	-	H	H	-	H	L	D	Spelt fine-sieving by-products *
2331	L	-	-	-	I	H	-	H	L	S	Spelt spikelets
2332	L	-	-	-	H	H	-	H	L	D	Spelt fine-sieving-by-products
2333	L	-	-	-	H	H	-	H	L	S	Spelt fine-sieving-by-products
2334	L	-	-	-	I	H	-	L	L	S	Sieved spelt spikelets
2335	L	-	L	-	H	H	-	L	L	D	Spelt and barley fine-sieving by-products *
2336	L	-	-	-	H	H	-	H	L	D	Spelt fine-sieving-by-products
2337	-	-	-	-	H	H	-	H	-	S	Spelt fine-sieving-by-products
2338	-	-	-	-	H	H	-	H	L	S	Spelt fine-sieving by-products *
2339	L	-	-	-	L	L	-	L	H	D	Clean spelt grain
2340	L	-	H	-	H	H	-	H	L	D	Spelt fine-sieving by-products *
2341	L	-	-	-	H	H	-	H	H	S	Spelt fine-sieving-by-products
2342	L	-	-	-	H	H	-	H	-	D	Spelt fine-sieving-by-products
2343	L	-	-	-	I	I	-	H	H	D	Spelt spikelets
2344	L	-	L	-	H	H	-	L	-	S	Clean barley grain mixed with spelt fine-sieving by-products *
2368	L	-	-	-	H	H	-	L	-	D	Spelt fine-sieving by-products *
2369	-	-	-	-	H	H	-	H	H	S	Spelt fine-sieving-by-products
2370	L	-	-	-	H	H	-	H	H	D	Spelt fine-sieving-by-products
2371	L	-	-	-	H	H	-	H	H	S	Spelt fine-sieving-by-products
2373	L	-	-	-	H	H	-	H	H	D	Spelt fine-sieving-by-products
2374	L	-	-	-	H	H	-	H	H	S	Spelt fine-sieving-by-products
2375	L	-	-	-	H	H	-	H	H	D	Spelt fine-sieving-by-products

	Ratios										
	A	B (bread wheat)	B (barley)	B (Rye)	C (combined)	C (spelt)	C (emmer)	D	E	F	
											Sample characterisation
2376	-	-	-	-	H	H	-	H	H	S	Spelt fine-sieving-by-products
2385	L	-	-	-	H	H	-	H	H	D	Spelt fine-sieving-by-products
2386	L	-	-	-	H	H	-	H	H	S	Spelt fine-sieving-by-products
2387	L	-	-	-	H	H	-	H	H	S	Spelt fine-sieving-by-products
2388	L	-	-	-	H	H	-	H	H	S	Spelt fine-sieving-by-products
2389	L	-	-	-	H	H	H	H	H	D	Spelt and emmer fine-sieving by-products
2390	-	-	-	-	H	H	-	H	H	S	Spelt fine-sieving-by-products
2391	L	-	-	-	H	H	-	H	H	D	Spelt fine-sieving-by-products
2392	L	-	-	-	I	I	-	L	-	S	Sieved spelt spikelets
2393	L	-	-	-	H	H	-	H	H	D	Spelt fine-sieving-by-products
2394	L	-	H	-	H	H	-	H	L	D	Spelt and barley fine-sieving by-products
2424	L	-	L	-	L	-	-	L	-	S	Clean barley and glume wheat grain
2425	L	-	L	-	L	-	-	L	-	S	Clean barley and glume wheat grain
2433	L	-	-	-	H	-	H	L	-	S	Emmer fine-sieving by-products *
2458	L	-	-	-	L	L	-	L	L	S	Clean spelt grain
2463	L	-	L	-	-	-	-	L	-	S	Clean barley grain
2464	L	-	L	-	L	-	-	H	L	S	Clean spelt and barley grain
2487	L	-	-	-	-	-	-	H	H	S	Indeterminate wheat (bread wheat) fine-sieving by-products
2489	L	-	-	-	I	-	-	H	H	S	Glume wheat spikelet-sieving by-products
2506	H	-	-	-	-	-	-	H	H	S	Early processing by-products (species unknown)
2511	L	-	-	-	I	-	-	H	H	S	Glume wheat spikelet-sieving by-products
2518	L	-	-	-	-	-	-	H	H	S	Indeterminate wheat (bread wheat) fine-sieving by-products
2522	-	-	-	-	-	-	-	H	H	S	Small weed seeds
2541	H	-	-	-	-	-	-	H	H	S	Early processing by-products (species unknown)
2547	H	-	-	-	-	-	-	H	H	S	Early processing by-products (species unknown)
2549	L	-	H	-	H	-	-	H	H	D	Glume wheat fine-sieving by-products mixed with barley early-processing by-products
2550	L	-	-	-	H	-	-	H	H	D	Glume wheat fine-sieving by-products
2551	L	-	H	-	-	-	-	H	H	S	Barley early-processing by-products
2557	L	-	-	-	L	-	-	H	H	S	Glume wheat spikelet-sieving by-products
2567	-	-	-	-	-	-	-	H	H	S	Small weed seeds
2568	H	-	-	-	-	-	-	H	-	D	Early processing by-products (species unknown)
2578	L	-	-	-	L	-	-	H	H	S	Glume wheat spikelet-sieving by-products
2583	L	-	-	-	-	-	-	H	H	S	Indeterminate wheat (bread wheat) fine-sieving by-products
2584	-	-	-	-	-	-	-	H	H	S	Small weed seeds
2590	L	-	-	-	-	-	-	H	H	S	Indeterminate wheat (bread wheat) fine-sieving by-products
2610	L	-	-	-	H	-	-	H	H	S	Glume wheat fine-sieving by-products

Appendix 3. Abbreviations and characteristics of species included in the CA datasets.

Appendix 3 comprises four tables.

Table A3.1 shows all weed taxa present in the dataset (all 224 records), giving the number of records in which each was present, and in which it was represented by ten or more seeds, for each period.

The remaining tables list the abbreviations used for CA species-plots in Chapters 4 (Table A3.2), 5 (Table A3.3) and 6 (Table A3.4). Tables A3.3 and A3.4 include reference to the dataset(s) in which each species is included; Table A3.4 also describes the ecological tolerances/preferences of each species and its key significance for interpretation of arable practice.

Table A3.1. Number of records/period in which each weed taxon is represented

Taxa	No. of records in which taxon is present (total no. of records in brackets for each period)						No. of records in taxon is represented by ≥ 10 seeds (total no. of records in brackets for each period)					
	EIA (29)	MIA (33)	LIA (36)	ER (41)	MR (45)	LR (40)	EIA (29)	MIA (33)	LIA (36)	ER (41)	MR (45)	LR (40)
<i>Caltha palustris</i>	0	0	0	1	0	0	0	0	0	0	0	0
<i>Ranunculus</i> sp.	1	2	2	6	5	3	0	0	0	0	0	0
<i>Ranunculus</i> subgen. <i>Ranunculus</i>	0	0	2	2	0	1	0	0	0	1	0	0
<i>Ranunculus acris</i>	0	1	0	0	0	0	0	0	0	0	0	0
<i>Ranunculus acris/repens/bulbosus</i>	1	6	7	9	8	10	0	0	0	4	2	1
<i>Ranunculus repens</i>	0	0	0	0	1	0	0	0	0	0	1	0
<i>Ranunculus parviflorus</i>	1	0	0	5	0	0	0	0	0	0	0	0
<i>Ranunculus flamula</i>	1	0	1	3	5	1	1	0	0	0	0	0
<i>Ranunculus ficaria</i> tuber	0	0	1	1	0	0	0	0	0	1	0	0
<i>Thalictrum</i> sp.	0	0	0	0	1	0	0	0	0	0	0	0
<i>Thalictrum flavum</i>	1	0	0	0	2	1	0	0	0	0	0	0
<i>Papaver</i> sp.	3	2	1	5	3	3	0	0	0	0	1	1
<i>Papaver rhoeas</i>	0	0	0	2	2	1	0	0	0	1	0	1
<i>Papaver rhoeas/dubium</i>	0	0	0	0	2	0	0	0	0	0	0	0
<i>Papaver dubium</i>	0	0	0	0	1	0	0	0	0	0	1	0
<i>Papaver hybridum</i>	1	0	0	0	0	0	0	0	0	0	0	0
<i>Papaver argemone</i>	0	0	1	3	1	1	0	0	0	0	0	0
<i>Chelidonium majus</i>	0	0	0	0	0	1	0	0	0	0	0	0
<i>Fumaria</i> sp.	0	1	0	0	0	1	0	0	0	0	0	0
<i>Fumaria officinalis</i>	0	0	0	0	2	0	0	0	0	0	0	0
<i>Urtica</i> sp.	1	1	0	0	0	0	0	0	0	0	0	0
<i>Urtica dioica</i>	3	2	1	3	1	3	0	0	0	0	0	0
<i>Urtica urens</i>	0	1	0	1	2	1	0	0	0	0	0	0
<i>Myrica gale</i>	0	0	0	0	1	0	0	0	0	0	0	0
<i>Chenopodiaceae</i> indet.	7	14	8	10	13	12	2	6	1	3	3	2
<i>Chenopodiaceae/Caryophyllaceae</i> indet.	0	0	0	0	1	3	0	0	0	0	0	0
<i>Chenopodium</i> sp.	6	9	5	7	13	13	0	2	2	1	2	2
<i>Chenopodium/Atriplex</i>	0	0	1	0	2	1	0	0	1	0	0	1
<i>Chenopodium glaucum/rubrum</i>	0	0	0	0	1	0	0	0	0	0	0	0
<i>Chenopodium rubrum</i>	0	2	0	0	0	1	0	0	0	0	0	1
<i>Chenopodium polyspermum</i>	0	2	2	4	3	1	0	0	0	1	0	0
<i>Chenopodium ficifolium</i>	0	4	3	1	1	1	0	1	1	0	0	0

Taxa	No. of records in which taxon is present (total no. of records in brackets for each period)						No. of records in taxon is represented by ≥ 10 seeds (total no. of records in brackets for each period)					
	EIA (29)	MIA (33)	LIA (36)	ER (41)	MR (45)	LR (40)	EIA (29)	MIA (33)	LIA (36)	ER (41)	MR (45)	LR (40)
Chenopodium album	12	20	10	14	14	9	5	9	4	7	5	3
Atriplex sp.	4	7	5	7	14	8	2	2	0	2	2	0
Atriplex prostrata/patula	0	3	5	11	7	7	0	0	0	4	3	2
Atriplex patula	0	0	0	1	0	0	0	0	0	0	0	0
Beta vulgaris ssp. vulgaris	0	0	0	0	0	1	0	0	0	0	0	0
Portulaca oleracea	0	0	0	0	1	0	0	0	0	0	0	0
Montia sp.	0	0	1	1	0	0	0	0	0	0	0	0
Montia fontana (inc. subsp. Chondrosperma)	7	12	14	10	8	4	1	0	3	3	0	0
Caryophyllaceae indet.	7	5	6	6	6	6	1	0	0	2	0	0
Arenaria sp.	0	0	0	1	0	0	0	0	0	0	0	0
Arenaria serpyllifolia	0	0	0	1	0	0	0	0	0	1	0	0
Moehringia trinervia	0	0	0	0	0	0	0	0	0	0	0	0
Stellaria sp.	3	3	4	5	2	3	0	0	1	1	0	0
Stellaria/Cerastium indet.	0	0	0	2	1	0	0	0	0	0	0	0
Stellaria media	7	7	10	12	10	7	1	1	0	2	1	1
Stellaria pallida	0	0	0	0	1	1	0	0	0	0	0	0
Stellaria neglecta	0	0	0	1	0	0	0	0	0	0	0	0
Stellaria palustris	1	1	0	1	3	0	0	0	0	0	0	0
Stellaria palustris/graminea	0	2	1	2	4	2	0	0	0	1	1	0
Stellaria graminea	1	3	3	3	1	3	0	0	0	0	0	0
Stellaria uliginosa	0	0	0	1	2	1	0	0	0	0	0	0
Cerastium sp.	0	1	1	2	0	2	0	0	0	0	0	0
Scleranthus sp.	0	1	0	0	0	0	0	0	0	0	0	0
Scleranthus annuus	1	0	0	3	0	1	0	0	0	1	0	0
Spergula arvensis	1	0	2	3	3	3	0	0	0	1	0	0
Lychnis flos-culci	0	0	1	1	0	1	0	0	0	0	0	0
Agrostemma githago	1	1	1	10	12	10	0	0	0	5	4	1
Silene sp.	3	1	1	3	9	2	0	0	0	1	1	0
Silene vulgaris	1	0	0	0	1	0	0	0	0	0	0	0
Silene latifolia	0	3	2	2	2	0	0	0	1	2	0	0
Silene dioica	0	0	0	0	1	0	0	0	0	0	0	0
Dianthus sp.	0	0	0	0	2	1	0	0	0	0	0	0
Polygonaceae indet.	8	7	7	8	12	11	2	2	2	2	1	0
Polygonaceae/Cyperaceae indet.	0	1	1	0	0	0	0	0	0	0	0	0
Persicaria sp.	3	1	3	1	2	1	0	1	0	0	0	0

Taxa	No. of records in which taxon is present (total no. of records in brackets for each period)						No. of records in taxon is represented by ≥ 10 seeds (total no. of records in brackets for each period)					
	EIA (29)	MIA (33)	LIA (36)	ER (41)	MR (45)	LR (40)	EIA (29)	MIA (33)	LIA (36)	ER (41)	MR (45)	LR (40)
Persicaria maculosa /lapathifolia	5	11	2	5	3	2	0	6	0	0	0	0
Persicaria maculosa	1	4	4	3	5	4	0	1	0	0	3	3
Persicaria lapathifolia	2	6	2	5	2	1	0	0	0	0	0	0
Persicaria hydropiper	0	0	1	0	0	1	0	0	0	0	0	0
Persicaria minor	0	0	0	0	0	0	0	0	0	0	0	0
Polygonum sp.	5	3	3	5	9	5	1	0	1	1	0	0
Polygonum/ Fallopia	0	1	0	0	0	0	0	0	0	0	0	0
Polygonum arenastrum	0	0	1	0	0	0	0	0	0	0	0	0
Polygonum aviculare	10	13	13	18	15	16	2	2	4	6	4	2
Fallopia sp.	0	0	1	0	0	0	0	0	0	0	0	0
Fallopia convolvulus	10	13	13	16	21	18	3	3	0	6	8	5
Fallopia dumetorum	0	0	1	0	0	0	0	0	0	0	0	0
Rumex/Carex	0	0	0	1	1	0	0	0	0	0	0	0
Rumex sp.	10	20	25	28	35	30	4	6	7	14	17	16
Rumex acetosella	2	13	14	19	18	13	0	1	2	9	8	2
Rumex acetosa	0	2	1	0	2	1	0	0	1	0	1	0
Rumex acetosa/acetosella	0	0	0	1	0	0	0	0	0	1	0	0
Rumex longifolius/crispus-type	0	0	0	1	1	0	0	0	0	0	0	0
Rumex hydropathalum	0	0	0	1	1	1	0	0	0	0	0	0
Rumex crispus	0	2	0	5	4	3	0	1	0	1	2	1
Rumex conglomeratus/ obtusifolius/ sanguineus	0	1	2	8	5	3	0	0	0	5	4	3
Rumex obtusifolius	0	2	0	0	1	0	0	0	0	0	1	0
Rumex palustris	0	0	0	0	0	1	0	0	0	0	0	0
Hypericum sp.	0	0	1	0	0	0	0	0	1	0	0	0
Tilia cordata	0	0	0	0	0	1	0	0	0	0	0	0
Malvaceae indet	0	0	0	0	0	1	0	0	0	0	0	0
Malva sp.	4	3	4	8	4	2	0	1	0	0	1	0
Malva sylvestris	0	3	2	1	1	1	0	0	0	1	0	0
Viola sp.	1	0	0	0	1	0	0	0	0	0	0	0
Bryonia dioica	0	0	0	0	1	0	0	0	0	0	0	0
Brassicaceae indet.	1	1	2	4	3	4	1	0	1	0	0	0
Siymbrium officinale	0	0	0	0	0	1	0	0	0	0	0	0
Rorripa sp.	0	0	0	0	1	0	0	0	0	0	0	0

Taxa	No. of records in which taxon is present (total no. of records in brackets for each period)						No. of records in taxon is represented by ≥ 10 seeds (total no. of records in brackets for each period)					
	EIA (29)	MIA (33)	LIA (36)	ER (41)	MR (45)	LR (40)	EIA (29)	MIA (33)	LIA (36)	ER (41)	MR (45)	LR (40)
Cochlearia sp.	0	1	0	0	0	0	0	0	0	0	0	0
Thlaspi arvense	0	1	1	5	2	1	0	0	0	0	0	0
Lepidum sp.	0	0	0	0	0	0	0	0	0	0	0	0
Brassica sp.	0	6	1	0	4	2	0	0	0	0	0	0
Brassica/Sinapsis	1	0	0	7	4	5	1	0	0	0	0	0
Brassica rapa ssp. campestris	0	0	0	0	1	0	0	0	0	0	1	0
Sinapsis sp.	0	0	0	0	1	0	0	0	0	0	0	0
Raphanus raphanistrum	2	6	5	10	7	4	0	0	0	2	2	1
Reseda sp.	1	0	0	1	0	0	0	0	0	0	0	0
Calluna vulgaris	0	1	0	3	1	1	0	0	0	1	0	1
Primulaceae indet	0	0	0	0	0	0	0	0	0	0	0	0
Anagallis-type	1	1	0	1	1	0	0	0	0	0	0	0
Anagallis arvensis	0	1	0	1	1	4	0	0	0	0	0	0
Sedum album	0	0	1	0	0	0	0	0	0	0	0	0
Rosaceae indet.	0	1	0	1	2	1	0	0	0	0	0	0
Filipendula ulmaria	0	0	0	1	0	1	0	0	0	0	0	0
Potentilla sp.	1	3	4	5	5	3	0	2	1	1	0	0
Potentilla erecta	0	0	0	1	0	0	0	0	0	0	0	0
Agrimonia sp.	0	0	0	0	0	1	0	0	0	0	0	0
Aphanes arvensis	1	0	3	2	1	3	0	0	1	1	0	0
Aphanes arvensis/australis	0	0	0	1	0	0	0	0	0	0	0	0
Fabaceae indet.	3	8	5	9	11	6	0	0	0	1	3	0
Onobrychis viciifolia	0	0	0	0	0	0	0	0	0	0	0	0
Lotus/Medicago/Trifolium	5	12	12	16	20	18	1	1	3	7	6	6
Vicia sp.	0	3	1	4	3	5	0	0	1	0	0	1
Vicia/Lathyrus	12	20	23	23	28	18	4	5	7	12	14	8
Vicia/Lathyrus/Pisum	1	1	1	3	4	7	0	0	0	0	1	1
Vicia cracca/hirstua	0	0	0	2	2	3	0	0	0	1	1	2
Vicia hirsuta	0	0	1	1	1	0	0	0	0	0	0	0
Vicia tetrasperma	1	2	0	1	3	3	0	0	0	0	1	0
Vicia sativa	0	1	0	0	1	2	0	1	0	0	0	0
Vicia lathyroides	0	0	0	0	0	1	0	0	0	0	0	0
Lathyrus/Pisum	0	0	0	0	0	2	0	0	0	0	0	0
Lathyrus sp.	0	1	0	0	1	0	0	0	0	0	0	0
Lathyrus sp.	0	0	0	1	0	0	0	0	0	0	0	0
Lathyrus nissolia	0	0	1	5	2	2	0	0	0	0	0	0
Melilotus/Medicago/Trifolium	0	6	3	4	4	5	0	2	1	2	2	3

Taxa	No. of records in which taxon is present (total no. of records in brackets for each period)						No. of records in taxon is represented by ≥ 10 seeds (total no. of records in brackets for each period)					
	EIA (29)	MIA (33)	LIA (36)	ER (41)	MR (45)	LR (40)	EIA (29)	MIA (33)	LIA (36)	ER (41)	MR (45)	LR (40)
Medicago lupulina	0	2	4	6	5	4	0	1	1	0	0	0
Trifolium sp.	1	5	5	8	7	6	0	2	2	2	3	4
Ulex europaeus	0	0	0	0	1	0	0	0	0	0	0	0
Myriophyllum sp.	0	0	0	0	1	0	0	0	0	0	0	0
Epilobium sp.	0	1	0	1	1	1	0	0	0	0	0	0
Cornus sanguinea	0	0	0	0	0	1	0	0	0	0	0	0
Linum sp.	0	0	0	0	3	0	0	0	0	0	0	0
Linum sp.	0	0	0	0	1	1	0	0	0	0	0	0
Linum catharticum	0	0	0	2	1	0	0	0	0	0	0	0
Oxalis sp.	0	0	1	0	0	0	0	0	0	0	0	0
Geranium sp.	0	0	1	0	0	0	0	0	0	0	0	0
Apiaceae indet.	4	5	2	7	9	6	0	0	0	1	1	0
Hydrocotyle vulgaris	0	0	0	0	2	1	0	0	0	0	0	0
Conopodium majus	0	0	0	1	0	0	0	0	0	0	0	0
Oenanthe fistulosa	0	0	0	0	2	0	0	0	0	0	0	0
Aethusa cynapium	0	2	0	0	2	2	0	0	0	0	0	0
Conium maculatum	0	0	1	3	3	1	0	0	0	0	0	0
Bupleurum rotundifolium	0	0	0	0	0	1	0	0	0	0	0	0
Apium-type	0	0	0	1	0	0	0	0	0	0	0	0
Torilis sp.	0	0	0	1	0	1	0	0	0	0	0	0
Solanaceae indet	1	0	0	0	0	0	0	0	0	0	0	0
Hyoscyamus niger	1	2	3	3	5	2	0	0	0	0	0	0
Physalis sp.	0	0	1	0	0	0	0	0	0	0	0	0
Solanum sp.	1	1	0	1	1	1	0	0	0	0	0	0
Solanum nigrum	0	1	2	2	2	1	0	0	0	0	0	0
Solanum dulcamara	0	0	0	0	1	1	0	0	0	0	0	0
Menyanthes trifoliata	0	0	0	0	1	1	0	0	0	0	0	0
Lithospermum sp.	0	0	0	1	1	0	0	0	0	0	0	0
Lithospermum arvense	4	1	2	7	6	4	0	0	0	1	1	0
Myosotis sp.	0	0	1	0	0	0	0	0	0	0	0	0
Verbena sp.	0	0	0	0	0	0	0	0	0	0	0	0
Lamiaceae indet.	2	1	4	5	6	2	0	0	0	1	0	0
Stachys sp.	0	0	0	0	1	1	0	0	0	0	0	0
Stachys palustris	0	0	0	0	1	0	0	0	0	0	0	0
Ballota nigra	0	0	0	1	0	0	0	0	0	0	0	0
Lamium sp.	1	0	0	1	1	1	1	0	0	0	0	0
Lamium album	0	0	0	2	0	0	0	0	0	0	0	0
Galeopsis tetrahit	0	2	1	0	1	1	0	0	0	0	0	0
Ajuga reptans	0	0	0	1	0	0	0	0	0	0	0	0

Taxa	No. of records in which taxon is present (total no. of records in brackets for each period)						No. of records in taxon is represented by ≥ 10 seeds (total no. of records in brackets for each period)					
	EIA (29)	MIA (33)	LIA (36)	ER (41)	MR (45)	LR (40)	EIA (29)	MIA (33)	LIA (36)	ER (41)	MR (45)	LR (40)
Glechoma hederachea	0	0	0	1	0	0	0	0	0	0	0	0
Prunella sp.	0	0	0	1	2	2	0	0	0	0	0	0
Prunella vulgaris	0	0	2	9	7	4	0	0	0	1	0	1
Lycopus europaeus	0	0	0	0	0	1	0	0	0	0	0	0
Mentha sp.	0	1	2	0	1	1	0	0	0	0	1	0
Salvia verbenica	0	0	0	1	0	0	0	0	0	0	0	0
Plantago sp.	0	1	2	1	1	2	0	0	1	0	0	0
Plantago maritima	0	0	0	0	0	1	0	0	0	0	0	0
Plantago major	0	0	2	1	2	1	0	0	0	0	0	0
Plantago major/media	1	1	0	0	1	0	0	0	0	0	1	0
Plantago media/lanceolata	2	0	1	0	1	0	0	0	0	0	0	0
Plantago lanceolata	4	13	8	12	18	12	0	1	0	4	5	4
Linaria sp.	0	0	0	1	0	0	0	0	0	0	0	0
Veronica hederifolia	1	2	1	1	2	1	0	0	0	0	0	0
Euphrasia sp.	0	0	2	2	1	0	0	0	0	1	0	0
Euphrasia/Odontites	4	7	6	8	6	8	1	0	3	3	2	0
Odontites sp.	0	0	0	0	1	0	0	0	0	0	0	0
Odontites vernus	0	4	1	4	5	4	0	0	0	0	0	0
Rhinanthus sp.	0	0	2	2	3	0	0	0	0	0	0	0
Rhianthus minor	0	0	0	0	1	0	0	0	0	0	0	0
Rubiaceae indet.	0	0	0	0	0	0	0	0	0	0	0	0
Sherardia arvensis	3	1	4	6	5	2	0	0	1	0	0	0
Galium sp.	2	5	7	9	11	8	1	0	0	0	0	1
Galium uliginosum	0	0	0	0	1	1	0	0	0	0	0	0
Gallium palustre	0	0	0	1	3	2	0	0	0	0	0	1
Galium verum	0	0	0	1	1	1	0	0	0	0	0	1
Gallium mollugo	0	0	0	0	1	1	0	0	0	0	0	0
Gallium mollugo/saxatile	0	0	1	1	0	0	0	0	0	0	0	0
Galium aparine	14	10	15	15	16	13	3	0	0	3	1	1
Valerianella sp.	0	1	3	2	1	1	0	0	1	0	0	0
Vallerianella dentata	1	2	4	2	3	0	0	0	1	0	0	0
Dipsacus fullonum	0	0	0	0	0	1	0	0	0	0	0	0
Asteraceae indet.	3	1	4	7	13	9	1	0	0	2	3	2
Small Asteraceae indet.	3	0	1	2	3	4	0	0	0	1	0	0
Large Asteraceae indet.	0	0	0	1	3	1	0	0	0	0	0	0
Arctium sp.	0	0	0	0	1	0	0	0	0	0	0	0
Carduus/Cirsium	0	0	1	1	5	2	0	0	0	0	1	0

Taxa	No. of records in which taxon is present (total no. of records in brackets for each period)						No. of records in taxon is represented by ≥ 10 seeds (total no. of records in brackets for each period)					
	EIA (29)	MIA (33)	LIA (36)	ER (41)	MR (45)	LR (40)	EIA (29)	MIA (33)	LIA (36)	ER (41)	MR (45)	LR (40)
Carduus/Cirsium/ Centaurea	0	0	0	1	1	3	0	0	0	0	0	0
Cirsium sp.	0	0	1	0	3	0	0	0	1	0	0	0
Centaurea sp.	0	2	0	1	6	5	0	0	0	0	0	1
Centaurea scabiosa	0	0	1	0	0	0	0	0	0	0	0	0
Centaurea cyanus	0	0	0	0	2	1	0	0	0	0	0	1
Centaurea nigra	0	0	1	1	3	1	0	0	0	0	1	0
Lapsana communis	1	2	0	2	4	7	0	0	0	0	0	0
Picris sp.	0	0	0	0	2	0	0	0	0	0	0	0
Picris echioides	0	0	0	1	0	0	0	0	0	0	0	0
Crepis sp.	1	1	0	0	0	0	0	0	0	0	0	0
Crepis capillaris	0	0	0	0	1	0	0	0	0	0	0	0
Tanacetum vulgare	0	0	0	0	1	0	0	0	0	0	0	0
Artemisia vulgaris	0	0	0	0	1	0	0	0	0	0	0	0
Anthemis sp.	0	0	0	1	1	0	0	0	0	0	0	0
Anthemis cotula	2	7	0	7	20	21	0	0	0	1	6	11
Anthemis/ Tripleurospermum	0	1	0	0	1	0	0	0	0	0	0	0
Chrysanthemum segetum	0	1	0	3	1	0	0	0	0	0	0	0
Leucanthemum vulgare	0	0	1	4	2	1	0	0	0	0	1	0
Tripleurospermum sp.	0	0	0	1	1	0	0	0	0	1	1	0
Tripleurospermum maritimum	1	1	4	5	2	1	0	1	2	2	0	0
Tripleurospermum inodorum	4	8	7	9	15	10	1	2	1	2	5	4
Tripleurospermum inodorum seed head	0	0	0	0	0	2	0	0	0	0	0	1
Senecio sp.	0	0	0	1	1	1	0	0	0	0	0	0
Eupatorium cannabinum	0	0	0	0	0	1	0	0	0	0	0	0
Alisma plantago- aquatica	0	0	0	0	1	1	0	0	0	0	1	0
Potamogeton pusillus	0	0	1	0	0	0	0	0	0	0	0	0
Najas marina	0	0	0	0	1	0	0	0	0	0	0	0
Lemna sp.	0	0	0	1	0	1	0	0	0	1	0	0
Juncaea indet.	0	0	0	0	0	1	0	0	0	0	0	0
Juncus sp.	2	2	1	3	6	3	0	0	0	1	1	0
Luzula sp.	0	0	2	1	3	2	0	0	0	0	0	0
Cyperaceae indet	3	3	1	4	4	3	0	0	0	0	0	0
Eleocharis sp.	0	3	5	10	7	5	0	2	2	6	3	0
Eleocharis palustris	3	6	4	4	8	3	1	1	1	1	3	1
Eleocharis palustris/uniglumis	0	1	5	4	6	3	0	1	2	2	2	3

Taxa	No. of records in which taxon is present (total no. of records in brackets for each period)						No. of records in taxon is represented by ≥ 10 seeds (total no. of records in brackets for each period)					
	EIA (29)	MIA (33)	LIA (36)	ER (41)	MR (45)	LR (40)	EIA (29)	MIA (33)	LIA (36)	ER (41)	MR (45)	LR (40)
Eleocharis uniglumis	0	0	0	0	1	0	0	0	0	0	0	0
Eleocharis multicaulis/uniglumis	0	1	0	0	0	0	0	0	0	0	0	0
Eleocharis quinqueflora	0	0	0	2	0	0	0	0	0	0	0	0
Scirpus sp.	1	0	2	1	2	0	0	0	0	0	1	0
Schoenoplectus sp.	0	0	0	1	3	1	0	0	0	0	1	0
Schoenoplectus tabernaemontani	0	0	0	0	1	0	0	0	0	0	1	0
Isolepis sp.	0	0	0	0	1	0	0	0	0	0	1	0
Isolepis setacea	0	1	0	0	1	1	0	0	0	0	0	0
Schoenus nigricans	0	0	1	1	0	0	0	0	0	0	0	0
Cladium mariscus	1	3	4	7	11	8	0	1	1	2	8	4
Carex sp.	6	14	9	20	22	16	0	2	2	6	8	4
Carex paniculata	0	0	0	0	1	2	0	0	0	0	1	2
Carex arenaria-type	0	1	0	0	0	0	0	0	0	0	0	0
Carex pendula	0	0	1	0	0	0	0	0	0	0	0	0
Carex flacca-type	0	0	0	0	1	0	0	0	0	0	0	0
Carex actua	0	0	0	0	1	0	0	0	0	0	0	0
Carex flava group	0	0	0	0	1	0	0	0	0	0	0	0
Carex nigra-type	0	0	0	0	1	1	0	0	0	0	0	0
Poaceae indet	7	14	13	13	16	12	2	5	6	6	8	4
Small poaceae indet	7	14	11	17	19	16	6	2	3	3	11	10
Large poaceae indet	8	5	11	12	16	14	4	4	7	6	10	12
Medium poaceae indet	3	1	6	10	4	6	1	0	3	2	3	5
Nardys stricta	0	0	0	0	0	1	0	0	0	0	0	0
Festuca sp.	0	1	2	5	2	3	0	0	0	2	0	1
Festuca/Lolium	1	1	1	1	6	3	0	0	0	0	3	2
Festuca rubra	0	0	0	1	0	0	0	0	0	1	0	0
Lolium sp.	0	3	5	4	7	2	0	0	1	4	2	1
Lolium/Avena	0	1	0	0	0	0	0	0	0	0	0	0
Lolium perenne-type	0	1	0	1	3	1	0	0	0	0	1	0
Lolium multiflorum	0	0	0	1	0	0	0	0	0	0	0	0
Lolium temulentum	0	0	0	2	1	2	0	0	0	0	0	0
Vulpia sp.	0	0	0	0	0	1	0	0	0	0	0	0
Vulpia bromoides	0	0	0	2	0	0	0	0	0	1	0	0
Cynosurus cristatus	0	0	1	2	2	2	0	0	0	0	0	0
Poa type	1	3	5	7	8	5	0	2	1	3	1	1
Poa/Alopercurus	0	1	0	0	0	0	0	0	0	0	0	0

Taxa	No. of records in which taxon is present (total no. of records in brackets for each period)						No. of records in taxon is represented by ≥ 10 seeds (total no. of records in brackets for each period)					
	EIA (29)	MIA (33)	LIA (36)	ER (41)	MR (45)	LR (40)	EIA (29)	MIA (33)	LIA (36)	ER (41)	MR (45)	LR (40)
Poa/Phleum	0	3	0	2	0	0	0	0	0	1	0	0
Poa annua	0	1	0	0	0	0	0	0	0	0	0	0
Poa trivialis/pratensis- type	0	0	0	1	0	0	0	0	0	0	0	0
Dactylis glomerata	0	0	0	0	1	1	0	0	0	0	0	0
Melica uniflora	0	0	0	0	1	1	0	0	0	0	0	0
Arrhenatherum elatius	7	2	7	3	5	4	0	0	0	1	0	0
Avena sp.	9	18	16	23	30	20	2	9	1	5	13	10
Avena/Bromus	2	9	5	7	14	9	0	4	1	3	3	6
Deschampsia sp.	0	0	0	0	0	1	0	0	0	0	0	0
Holcus lanatus	0	0	0	0	0	1	0	0	0	0	0	0
Aira sp.	0	0	0	0	1	2	0	0	0	0	0	0
Agrostis sp.	0	0	1	1	1	0	0	0	0	0	0	0
Calamagrostis sp.	0	0	0	0	1	0	0	0	0	0	1	0
Calamarostis epigejos	0	0	0	0	1	1	0	0	0	0	0	0
Phleum sp.	0	3	4	5	6	7	0	0	1	4	1	2
Phleum pratense	0	0	0	1	1	2	0	0	0	0	0	1
Pleum pratense/bertolinii	0	0	1	1	1	1	0	0	0	0	0	0
Phleum bertolonii	0	1	0	2	1	3	0	0	0	0	0	1
Bromus sp.	10	15	14	12	22	14	5	8	8	3	13	10
Bromus hordeaceus/secalin us	6	14	12	21	17	16	2	10	8	14	11	11
Anisantha stellaris	0	0	1	0	1	0	0	0	0	0	0	0
Brachypodium pinnatum	0	0	0	0	0	1	0	0	0	0	0	0
Elytrigia repens rhizome	0	0	1	0	0	0	0	0	0	0	0	0
Danthonia decumbens	0	1	3	3	5	3	0	0	0	1	1	0
Phragmites australis	0	0	0	0	1	0	0	0	0	0	1	0
Setaria sp.	0	0	0	0	0	1	0	0	0	0	0	0
Sparganium sp.	0	0	0	0	3	1	0	0	0	0	0	0
Typha sp.	1	0	0	1	0	0	0	0	0	0	0	0
Lilaceae	0	0	0	1	0	0	0	0	0	0	0	0

Table A3.2. Abbreviations used in CA species plots in Chapter 4.

Species/Grouping	Abbreviation	Species/Grouping	Abbreviation
Cereal items		Small weeds (continued)	
<i>Triticum sp.</i> grain	TSP GR	<i>Tripleurospermum spp.</i>	TRI SPP
Glume wheat grain	GW GR	<i>Cladium mariscus</i>	CLA MAR
<i>T. aestivum</i> grain	AES GR	<i>Carex spp.</i>	CAR SPP
<i>Hordeum vulgare</i> grain	HVU GR	Small Poaceae indet.	POA INDS
Glume wheat glume base	HVU GB	<i>Poa</i> -type	POA SPP
<i>T. aestivum</i> rachis node	AES RN	<i>Phleum spp.</i>	PHL SPP
<i>Hordeum vulgare</i> rachis node	HVU RN	Small weeds indet.	W INDS
Cerealia culm node	CER CN		
Weed seeds (unknown size)		Intermediate weed seeds	
<i>Galium spp.</i>	GAL SPP	<i>Polygonaceae indet.</i>	POL IND
Asteraceae indet.	AST IND	<i>Polygonum spp.</i>	POL SPP
Poaceae indet.	POA IND	<i>Persicaria maculosa/lapathifolia</i>	PER ML
Weeds indet.	W IND	<i>Polygonum aviculare</i>	POL AVI
Small weed seeds		<i>Plantago spp.</i>	PLA SPP
Chenopodiaceae indet.	CHE IND	<i>Eleocharis spp.</i>	ELE SPP
<i>Chenopodium spp.</i>	CHE SPP	<i>Eleocharis palustris/uniglumis</i>	ELE PU
<i>Chenopodium album</i>	CHE ALB	Intermediate weeds indet.	W INDI
<i>Atriplex spp.</i>	ATR SPP	Large weed seeds	
<i>Atriplex prostata/patula</i>	ATR PP	<i>Ranunculus acris/repens/bulbosus</i>	RAN ARB
<i>Montia fontana</i>	MON FON	<i>Agrostemma githago</i>	AGR GIT
Caryophyllaceae indet.	CAR IND	<i>Fallopia convolvulus</i>	FAL CON
<i>Stellaria media</i>	STE MED	<i>Raphanus raphanistrum</i>	RAP RAP
<i>Stellaria palustris/graminea</i>	STE PG	Large Fabaceae	FAB INDL
<i>Rumex spp.</i>	RUM SPP	<i>Galium aparine</i>	GAL APA
<i>Rumex acetosella</i>	RUM ACE	Large Asteraceae indet.	AST INDL
<i>Rumex conglomeratus/obtusifolius/sanguineus</i>	RUM COS	Large Poaceae indet.	POA INDL
Small Brassicaceae	BRA INDS	<i>Avena spp.</i>	AVE SPP
Small Fabaceae	FAB INDS	<i>Avena/Broums spp.</i>	AVE BRO
Small Lamiaceae	LAM INDS	<i>Bromus spp.</i>	BRO SPP
<i>Euphrasia/Odontites</i> -type	EUP ODO	<i>Bromus spp.</i>	BRO HS
Small Asteraceae indet.	AST INDS	Large weeds indet.	W INDL
<i>Anthemis cotula</i>	ANT COT		

Table A3.3. Abbreviations used in CA species plots in Chapter 5.

Taxon/item	Abbreviation	Datasets
<i>Cereal items</i>		
Cerealia culm node	CER CN	A
<i>Triticum spelta</i> glume base	SPE GB	A, C, D
<i>Triticum spelta</i> grain	SPE GR	C, D, E
<i>Triticu dicocum</i> glume base	DIC GB	A
Glume wheat grain	GW GR	A
<i>Triticum aestivum</i> grain	AES GR	A
<i>Triticum sp.</i> grain	IW GR	B
<i>Hordeum vulgare</i> rachis node	HVU RN	A, C, D, E
<i>Hordeum vulgare</i> grain	HVU GR	A, B, C, D, E
<i>Weed seeds</i>		
Chenopodiaceae indet.	CHE IND	A, C
<i>Chenopodium spp.</i>	CHE SPP	A, C, E
<i>Atriplex spp.</i>	ATR SPP	A
Polygonaceae indet.	POL IND	A
<i>Polygonum aviculare</i>	POL AVI	C
<i>Persicaria maculosa/lapathifolia</i>	PER ML	A
<i>Fallopia convolvulus</i>	FAL CON	A, C
<i>Rumex spp.</i>	RUM SPP	C, D, E
Small Fabaceae indet.	SFAB IND	C
<i>Trifolium spp.</i>	TRIF SPP	A
<i>Vicia/Lathyrus</i>	VIC LAT	A, C
<i>Medicago luplina</i>	MED LUP	A
Asteraceae indet.	AST IND	C, D, E
<i>Tripleurospermum spp.</i>	TRI SPP	A, C
<i>Anthemis cotula</i>	ANT COT	C, D, E
<i>Eleocharis spp.</i>	ELE SPP	A
<i>Cladium mariscus</i>	CLA MAR	A, C, D
<i>Carex spp.</i>	CAR SPP	A
Large Poaceae indet.	LPOA IND	C, D, E
Small Poaceae indet.	SPOA IND	D, E
<i>Festuca/Lolium</i>	FES LOL	C, D
<i>Phleum spp.</i>	PHL SPP	A
<i>Avena spp.</i>	AVE SPP	A, B, C, E
<i>Avena/Bromus</i>	AVE BRO	A
<i>Bromus spp.</i>	BRO SPP	A, E
<i>Bromus hordeaceus/secalinus</i>	BRO HS	A, B, C, D, E

Table A3.4. Ecological/life history characteristics and key significance of species included in CA analysis in Chapter 6.

Species	Abbreviation	Soil preferences				Life-history characteristics			Key significance	Datasets
		F	N	R	Preference for clayey soil?	Perennation and regeneration	Flowering period	Germination time		
<i>Chenopodium spp.</i>	CHE SPP	6	8	7	No	Annual	Varied	Spring	N8: prefers very rich soils. Spring germinating: consistent with spring sowing/rich soils.	H, I
<i>Atriplex spp.</i>	ATR SPP	6	7	7	No	Varied	Varied	Spring	N7: prefers rich soils. Spring germinating: consistent with spring sowing/rich soils.	H, I, J
<i>Rumex acetosella</i>	RUM ACE	5	3	4	No	Perennial ^R	Non-diagnostic	Spring	N3: prefers infertile soils. R4: prefers moderately acidic soils.	H, I, J
<i>Rumex conglomeratus/obtusifolius/sanguineus</i>	RUM COS	7	8	7	No	Perennial	Non-diagnostic	Varied	F7: prefers damp soils. N8: prefers very rich soils. Perennial: cannot survive frequent soil disturbance.	I, J
<i>Anthemis cotula</i>	ANT COT	5	6	6	Yes	Annual	Non-diagnostic	Autumn	Prefers heavy clay soils. N6: prefers intermediate – rich soils Autumn-germinating: consistent with autumn-sowing/poorer soils.	I
<i>Tripleurospermum spp.</i>	TRI SPP	5	6	6	No	Varied	Non-diagnostic	Autumn	N6: prefers intermediate – rich soils. Autumn-germinating: consistent with autumn-sowing/poorer soils.	H, I, J
<i>Cladium mariscus</i>	CLA MAR	10	4	8	No	Perennial	Early/intermediate, short	Spring	F10: grows where shallow standing water is periodically present. N4: prefers infertile – intermediate soils. R8: prefers basic soils. Perennial: cannot survive frequent soil disturbance. Spring germinating (consistent with spring-sowing/rich soils),	H, I

Species	Abbreviation	Soil preferences				Life-history characteristics			Key significance	Datasets
									but early/intermediate and short-flowering (consistent with autumn-sowing).	
<i>Polygonum aviculare</i>	POL AVI	5	7	6	No	Annual	Non-diagnostic	Spring	N7: prefers rich soils. Spring germinating: consistent with spring-sowing/rich soils.	H, I, J
<i>Plantago lanceolata</i>	PLA LAN	5	4	6	No	Perennial ^R	Early/intermediate, long	Autumn	N4: prefers infertile – intermediate soils. Autumn-germinating (consistent with autumn-sowing/poorer soils) but long-flowering (consistent with spring sowing/frequent disturbance).	H, I, J
<i>Eleocharis palustris/uniglumis</i>	ELE PU	10	4	7	No	Perennial ^R	Early/intermediate, short	Spring	F10: grows where shallow standing water is periodically present. N4: prefers infertile – intermediate soils. Spring germinating (consistent with spring-sowing/rich soils), but early/intermediate and short-flowering (consistent with autumn-sowing)	H, I, J
<i>Fallopia convolvulus</i>	FAL CON	4	5	7	No	Annual	Late, short/medium	Autumn	Autumn-germinating: consistent with autumn-sowing/poorer soils.	H, I, J
<i>Lolium spp</i>	LOL SPP	5	7	7	No	Varied	Early/intermediate, medium	Spring	N7: prefers rich soils. Spring-germinating (consistent with spring-sowing/rich soils) but early/intermediate and short-flowering (consistent with autumn-sowing).	I
<i>Avena spp.</i>	AVE SPP	6	6	6	No	Annual	Late, medium	Unclear	N6: prefers intermediate – rich soils. Late-flowering: consistent with spring-sowing.	H, I, J
<i>Bromus hordeaceus/secalinus</i>	BRO HS	4	4	6	No	Annual	Early/intermediate, short	Unclear	N4: prefers infertile – intermediate soils.	H, I, J

Species	Abbreviation	Soil preferences				Life-history characteristics			Key significance	Datasets
									Early/intermediate and short-flowering: consistent with autumn-sowing.	
<i>Montia fontana</i>	MON FON	9	3	5	No	Varied	Early/intermediate, long	Spring	N3: prefers infertile soils. Spring germinating: consistent with spring-sowing/rich soils.	J
<i>Ranunculus acris/repens/bulbosus</i>	RAN ARB	6	3	6	No	Perennial ^R	Early/intermediate, long	Varied	N3: prefers infertile soils.	J
<i>Agrostemma githago</i>	AGR GIT	5	5	6	No	Annual	Non-diagnostic	Autumn	Autumn-germinating: consistent with autumn-sowing/poorer soils.	J
<i>Raphanus raphanistrum</i>	RAP RAP	5	6	6	No	Varied	Non-diagnostic	Spring	N6: prefers intermediate – rich soils. Spring-germinating: consistent with spring-sowing/rich soils.	J
<i>Galium aparine</i>	GAL APA	6	8	7	No	Annual	Early/intermediate, short	Autumn	N8: prefers very rich soils. Autumn-germinating: consistent with autumn-sowing/poorer soils. Early/intermediate and short-flowering: consistent with autumn-sowing.	J
<i>Danthonia decumbens</i>	DAN DEC	6	2	4	No	Perennial	Non-diagnostic	Unclear	N2: prefers infertile soils. R4: prefers acidic soils. Perennial: cannot survive frequent soil disturbance	J

^R Able to regenerate from fragments.