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Liao, J.

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Appendix Table

Table A2.1

Identification of buried crops from pottery granaries unearthed from Han tombs in the Guanzhong Basin (Chapter 2). Data are from Zhao (2009).

Location	Tomb	Sample No.	Period	Plant ID
Xi'an, Shaanxi	Xizha	M20	Middle Western Han 141–48 BCE	<i>Setaria italica</i>
Xi'an, Shaanxi	Xizha	M20	Middle Western Han 141–48 BCE	<i>Vigna angularis</i>
Xi'an, Shaanxi	Xizha	M20: 3	Middle Western Han 141–48 BCE	<i>Panicum miliaceum</i>
Xi'an, Shaanxi	Xizha	M33: 4	Middle Western Han 141–48 BCE	Unidentifiable
Xi'an, Shaanxi	Xizha	M33: 6	Middle Western Han 141–48 BCE	<i>Setaria italica</i>
Xi'an, Shaanxi	Xizha	M33: 7	Middle Western Han 141–48 BCE	<i>Glycine max</i>
Xi'an, Shaanxi	Xizha	M33: 8	Middle Western Han 141–48 BCE	<i>Panicum miliaceum</i>
Xi'an, Shaanxi	Xizha	M47: 17	Middle Western Han 141–48 BCE	<i>Setaria italica</i>
Xi'an, Shaanxi	Xizha	M47: 23	Middle Western Han 141–48 BCE	<i>Panicum miliaceum</i>
Xi'an, Shaanxi	Xizha	M49: 9	Middle Western Han 141–48 BCE	<i>Panicum miliaceum</i>
Xi'an, Shaanxi	Xizha	M49: 10	Middle Western Han 141–48 BCE	<i>Setaria italica</i>
Xi'an, Shaanxi	Xizha	M19: 1	Middle Western Han 141–48 BCE	<i>Glycine max</i>
Xi'an, Shaanxi	Xizha	M7	Middle and late Western Han 141 BCE–8 CE	<i>Setaria italica</i>
Xi'an, Shaanxi	Xizha	M7	Middle and late Western Han 141 BCE–8 CE	<i>Panicum miliaceum</i>
Xi'an, Shaanxi	Shijia	M290: 9	Middle Western Han 141–48 BCE	<i>Glycine max</i> , <i>Cannabis sativa</i>
Xi'an, Shaanxi	Shijia	M290: 10	Middle Western Han 141–48 BCE	<i>Panicum miliaceum</i>
Xi'an, Shaanxi	Shijia	M2: 22	Middle Western Han 141–48 BCE	<i>Setaria italica</i>

Location	Tomb	Sample No.	Period	Plant ID
Xi'an, Shaanxi	Shiyou	M22: 1③	Middle and late Western Han 141 BCE–8 CE	<i>Glycine max</i>
Xi'an, Shaanxi	Shiyou	M22: 3③	Middle and late Western Han 141 BCE–8 CE	<i>Vigna angularis</i>
Xi'an, Shaanxi	Shiyou	M22: 4①	Middle and late Western Han 141 BCE–8 CE	<i>Oryza sativa</i> , <i>Hordeum vulgare</i>
Xi'an, Shaanxi	Shiyou	M22	Middle and late Western Han 141 BCE–8 CE	<i>Setaria italica</i> , <i>Panicum miliaceum</i>
Xi'an, Shaanxi	Jiaoxiao	M95: 8	Middle and late Western Han 141 BCE–8 CE	<i>Setaria italica</i>
Xi'an, Shaanxi	Jiaoxiao	M65: 1	Late Western Han 48 BCE–8 CE	<i>Panicum miliaceum</i>
Xi'an, Shaanxi	Jiaoxiao	M65: 3	Late Western Han 48 BCE–8 CE	<i>Setaria italica</i>
Xi'an, Shaanxi	Quchun	M23: 1	Late Western Han 48 BCE–8 CE	<i>Setaria italica</i>
Xi'an, Shaanxi	Quchun	M23: 2	Late Western Han 48 BCE–8 CE	<i>Setaria italica</i>
Xi'an, Shaanxi	Quchun	M23: 3	Late Western Han 48 BCE–8 CE	<i>Setaria italica</i>
Xi'an, Shaanxi	Quchun	M23: 4	Late Western Han 48 BCE–8 CE	<i>Setaria italica</i>
Xi'an, Shaanxi	Quchun	M23: 5	Late Western Han 48 BCE–8 CE	<i>Setaria italica</i>
Xi'an, Shaanxi	Quchun	M16: 2	Late Western Han 48 BCE–8 CE	<i>Vigna angularis</i> , <i>Setaria italica</i> , <i>Hordeum vulgare</i>
Xi'an, Shaanxi	Quchun	M18: 1	Late Western Han 48 BCE–8 CE	<i>Setaria italica</i>
Xi'an, Shaanxi	Sanzhao	M3	Late Western Han 48 BCE–8 CE	<i>Setaria italica</i>
Xi'an, Shaanxi	Sanzhao	M3	Late Western Han 48 BCE–8 CE	<i>Panicum miliaceum</i>
Xi'an, Shaanxi	Sanzhao	M3	Late Western Han 48 BCE–8 CE	<i>Glycine max</i>
Xi'an, Shaanxi	Sanzhao	M3	Late Western Han 48 BCE–8 CE	<i>Hordeum vulgare</i>

Location	Tomb	Sample No.	Period	Plant ID
Xi'an, Shaanxi	Sanzhao	M3	Late Western Han 48 BCE–8 CE	<i>Cannabis sativa</i> , <i>Setaria italica</i> , <i>Panicum miliaceum</i>
Xi'an, Shaanxi	Sanzhao	M4	Late Western Han 48 BCE–8 CE	<i>Vigna angularis</i> , <i>Coix lacryma-jobi</i>
Xi'an, Shaanxi	Sanzhao	M4	Late Western Han 48 BCE–8 CE	<i>Triticum aestivum</i>
Xi'an, Shaanxi	Ligong	M13: 6	Late Western Han 48 BCE–8 CE	<i>Oryza sativa</i>
Xi'an, Shaanxi	Ligong	M9: Collection	Early Eastern Han 25–88 CE	<i>Castanea mollissima</i>
Xi'an, Shaanxi	Hairong	M23: 14	Late Western Han 48 BCE–8 CE	<i>Setaria italica</i>
Xi'an, Shaanxi	Ronghai	M2: 11	Late Western Han 48 BCE–8 CE	Unidentifiable
Xi'an, Shaanxi	Yannan	M1: 18	Late Western Han 48 BCE–8 CE	<i>Panicum miliaceum</i>
Xi'an, Shaanxi	Yanhu	M16: 4	Middle Eastern Han 88–189 CE	<i>Setaria italica</i> , <i>Panicum miliaceum</i>
Xi'an, Shaanxi	Yanhu	M16: 5	Middle Eastern Han 88–189 CE	<i>Setaria italica</i> , <i>Panicum miliaceum</i>

Table A2.2

$\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ values of human bones in the Guanzhong Basin from the Han period (Chapter 2). Data are from Zhang et al. (2013).

Location	Site	Period	Mean value $\pm$ SD of $\delta^{13}\text{C}$	Mean value $\pm$ SD of $\delta^{15}\text{N}$	Number of samples
Sanyuan, Shaanxi	Guandao	Mid Western Han to Late Eastern Han	-10.7 ± 0.7	10.4 ± 0.2	5
Gaoling, Shaanxi	Guangming	Western Han	-9.8 ± 0.8	11.0 ± 0.8	7
Xi'an, Shaanxi	Jichang	Eastern Han	-12.0 ± 1.2	9.0 ± 0.8	30

Table A3.1

$\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ results of archaeological millets from the four Han tombs and one Neolithic site located in the Guanzhong Basin (Chapter 3).

Location	Site	Period	Unit	Species	Type	$\delta^{13}\text{C}$	$\delta^{15}\text{N}$
Xi'an, Shaanxi	Longzaocun	Han (202 BCE–220 CE)	M111:6	<i>Panicum miliaceum</i>	husk	–16.7	10.2
Xi'an, Shaanxi	Longzaocun	Han (202 BCE–220 CE)	M111:6	<i>Panicum miliaceum</i>	husk	–15.1	10.9
Xi'an, Shaanxi	Longzaocun	Han (202 BCE–220 CE)	M111:6	<i>Panicum miliaceum</i>	husk	–13.6	11.1
Xi'an, Shaanxi	Longzaocun	Han (202 BCE–220 CE)	M111:6	<i>Panicum miliaceum</i>	husk	–15.6	8.0
Xi'an, Shaanxi	Longzaocun	Han (202 BCE–220 CE)	M111:6	<i>Panicum miliaceum</i>	husk	–14.3	10.8
Xi'an, Shaanxi	Longzaocun	Han (202 BCE–220 CE)	M111:6	<i>Panicum miliaceum</i>	husk	–15.2	8.9
Xi'an, Shaanxi	Longzaocun	Han (202 BCE–220 CE)	M111:6	<i>Panicum miliaceum</i>	husk	–15.3	10.9
Xi'an, Shaanxi	Longzaocun	Han (202 BCE–220 CE)	M111:6	<i>Panicum miliaceum</i>	husk	–14.9	9.8
Xi'an, Shaanxi	Longzaocun	Han (202 BCE–220 CE)	M111:6	<i>Panicum miliaceum</i>	husk	–15.3	9.7
Xi'an, Shaanxi	Longzaocun	Han (202 BCE–220 CE)	M111:6	<i>Panicum miliaceum</i>	husk	–15.0	10.6
Xi'an, Shaanxi	Longzaocun	Han (202 BCE–220 CE)	M111:5	<i>Setaria italica</i>	husk	–14.0	9.2
Xi'an, Shaanxi	Longzaocun	Han (202 BCE–220 CE)	M111:5	<i>Setaria italica</i>	husk	–14.6	9.9
Xi'an, Shaanxi	Longzaocun	Han (202 BCE–220 CE)	M111:5	<i>Setaria italica</i>	husk	–14.5	8.6
Xi'an, Shaanxi	Longzaocun	Han (202 BCE–220 CE)	M111:5	<i>Setaria italica</i>	husk	–14.0	9.5
Xi'an, Shaanxi	Longzaocun	Han (202 BCE–220 CE)	M111:5	<i>Setaria italica</i>	husk	–13.8	9.5
Xi'an, Shaanxi	Longzaocun	Han (202 BCE–220 CE)	M111:5	<i>Setaria italica</i>	husk	–14.3	9.5
Xi'an, Shaanxi	Longzaocun	Han (202 BCE–220 CE)	M111:5	<i>Setaria italica</i>	husk	–14.3	9.7
Xi'an, Shaanxi	Longzaocun	Han (202 BCE–220 CE)	M111:5	<i>Setaria italica</i>	husk	–13.5	9.6
Xi'an, Shaanxi	Longzaocun	Han (202 BCE–220 CE)	M111:5	<i>Setaria italica</i>	husk	–13.5	10.0
Xi'an, Shaanxi	2002CSX	Han (202 BCE–220 CE)	M68:10	<i>Setaria italica</i>	husk	–12.0	5.9

Location	Site	Period	Unit	Species	Type	$\delta^{13}\text{C}$	$\delta^{15}\text{N}$
Xi'an, Shaanxi	2002CSX	Han (202 BCE–220 CE)	M68:10	<i>Setaria italica</i>	husk	-12.7	2.1
Xi'an, Shaanxi	2002CSX	Han (202 BCE–220 CE)	M68:10	<i>Setaria italica</i>	husk	-12.2	3.9
Xi'an, Shaanxi	2002CSX	Han (202 BCE–220 CE)	M68:10	<i>Setaria italica</i>	husk	-12.4	7.1
Xi'an, Shaanxi	2002CSX	Han (202 BCE–220 CE)	M68:10	<i>Setaria italica</i>	husk	-11.8	4.9
Xi'an, Shaanxi	2002CSX	Han (202 BCE–220 CE)	M68:10	<i>Setaria italica</i>	husk	-11.8	6.1
Xi'an, Shaanxi	2002CSX	Han (202 BCE–220 CE)	M68:10	<i>Setaria italica</i>	husk	-12.8	8.2
Xi'an, Shaanxi	2002CSX	Han (202 BCE–220 CE)	M68:10	<i>Setaria italica</i>	husk	-12.0	8.2
Xi'an, Shaanxi	2002CSX	Han (202 BCE–220 CE)	M68:10	<i>Setaria italica</i>	husk	-11.6	7.6
Xi'an, Shaanxi	2002CSX	Han (202 BCE–220 CE)	M68:10	<i>Setaria italica</i>	husk	-12.6	6.9
Xianyang, Shaanxi	2008XJG	Han (202 BCE–220 CE)	M22	<i>Panicum miliaceum</i>	husk	-11.3	9.2
Xianyang, Shaanxi	2008XJG	Han (202 BCE–220 CE)	M22	<i>Panicum miliaceum</i>	husk	-11.2	8.5
Xianyang, Shaanxi	2008XJG	Han (202 BCE–220 CE)	M22	<i>Panicum miliaceum</i>	husk	-10.7	10.3
Xianyang, Shaanxi	2008XJG	Han (202 BCE–220 CE)	M22	<i>Panicum miliaceum</i>	husk	-12.7	8.6
Xianyang, Shaanxi	2008XJG	Han (202 BCE–220 CE)	M22	<i>Panicum miliaceum</i>	husk	-11.3	9.4
Xianyang, Shaanxi	2008XJG	Han (202 BCE–220 CE)	M22	<i>Panicum miliaceum</i>	husk	-11.1	14.8
Xianyang, Shaanxi	2008XJG	Han (202 BCE–220 CE)	M22	<i>Panicum miliaceum</i>	husk	-11.1	8.5
Xianyang, Shaanxi	2008XJG	Han (202 BCE–220 CE)	M22	<i>Panicum miliaceum</i>	husk	-10.9	9.3
Xianyang, Shaanxi	2008XJG	Han (202 BCE–220 CE)	M22	<i>Panicum miliaceum</i>	husk	-10.9	10.4
Xianyang, Shaanxi	2008XJG	Han (202 BCE–220 CE)	M22	<i>Panicum miliaceum</i>	husk	-11.2	10.1
Xi'an, Shaanxi	Sanyaocun	Eastern Han (25–220 CE)		<i>Panicum miliaceum</i>	husk	-13.6	14.8
Xi'an, Shaanxi	Sanyaocun	Eastern Han (25–220 CE)		<i>Panicum miliaceum</i>	husk	-14.6	13.8
Xi'an, Shaanxi	Sanyaocun	Eastern Han (25–220 CE)		<i>Panicum miliaceum</i>	husk	-13.7	15.1
Xi'an, Shaanxi	Sanyaocun	Eastern Han (25–220 CE)		<i>Panicum miliaceum</i>	husk	-13.2	14.7

Location	Site	Period	Unit	Species	Type	$\delta^{13}\text{C}$	$\delta^{15}\text{N}$
Xi'an, Shaanxi	Sanyaocun	Eastern Han (25–220 CE)		<i>Panicum miliaceum</i>	husk	–12.8	15.3
Xi'an, Shaanxi	Sanyaocun	Eastern Han (25–220 CE)		<i>Panicum miliaceum</i>	husk	–13.5	14.7
Xi'an, Shaanxi	Sanyaocun	Eastern Han (25–220 CE)		<i>Panicum miliaceum</i>	husk	–13.3	15.3
Xi'an, Shaanxi	Sanyaocun	Eastern Han (25–220 CE)		<i>Panicum miliaceum</i>	husk	–14.0	14.5
Xi'an, Shaanxi	Sanyaocun	Eastern Han (25–220 CE)		<i>Panicum miliaceum</i>	husk	–13.4	15.1
Xi'an, Shaanxi	Sanyaocun	Eastern Han (25–220 CE)		<i>Panicum miliaceum</i>	husk	–15.1	13.2
Xi'an, Shaanxi	Ziweitianyuan	Late Neolithic (3130–3005 cal. BCE)		<i>Panicum miliaceum</i>	seed	–10.4	3.3
Xi'an, Shaanxi	Ziweitianyuan	Late Neolithic (3130–3006 cal. BCE)		<i>Panicum miliaceum</i>	seed	–10.5	4.4
Xi'an, Shaanxi	Ziweitianyuan	Late Neolithic (3130–3007 cal. BCE)		<i>Panicum miliaceum</i>	seed	–10.4	2.9
Xi'an, Shaanxi	Ziweitianyuan	Late Neolithic (3130–3008 cal. BCE)		<i>Panicum miliaceum</i>	seed	–10.3	3.7
Xi'an, Shaanxi	Ziweitianyuan	Late Neolithic (3130–3009 cal. BCE)		<i>Panicum miliaceum</i>	seed	–10.5	4.3

Table A3.2

The nitrogen and carbon isotopic data from wild deer bones in the Guanzhong Basin (Chapter 3). Data are from Chen et al. (2016).

Location	Site	Period	Species	$\delta^{13}\text{C}$	$\delta^{15}\text{N}$
Tongchuan, Shaanxi	Wayagou	Late Neolithic (ca. 4550–4050 BC)	Cervid (<i>Cervus nippon</i>)	–20.1	4.1
Tongchuan, Shaanxi	Wayagou	Late Neolithic (ca. 4550–4050 BC)	Cervid (<i>C. nippon</i>)	–20.1	3.5
Tongchuan, Shaanxi	Wayagou	Late Neolithic (ca. 4550–4050 BC)	Cervid (<i>C. nippon</i>)	–20.3	3.9
Tongchuan, Shaanxi	Wayagou	Late Neolithic (ca. 4550–4050 BC)	Cervid (<i>C. nippon</i>)	–19.9	4.3
Tongchuan, Shaanxi	Wayagou	Late Neolithic (ca. 4550–4050 BC)	Cervid (<i>C. nippon</i>)	–19.3	7.6
Tongchuan, Shaanxi	Wayagou	Late Neolithic (ca. 4550–4050 BC)	Cervid (<i>C. nippon</i>)	–19.8	4.3
Tongchuan, Shaanxi	Wayagou	Late Neolithic (ca. 4550–4050 BC)	Cervid (<i>Moschus moschiferus</i>)	–20.6	4.6
Tongchuan, Shaanxi	Wayagou	Late Neolithic (ca. 4550–4050 BC)	Cervid (<i>M. moschiferus</i>)	–21.6	5.8
Xi'an, Shaanxi	Dongying	Late Neolithic (ca. 3950–3650 BC)	Cervid (<i>C. nippon</i>)	–19.8	3.8
Xi'an, Shaanxi	Dongying	Late Neolithic (ca. 3950–3650 BC)	Cervid (<i>C. nippon</i>)	–20.5	3.6
Xi'an, Shaanxi	Dongying	Late Neolithic (ca. 2650–2050 BC)	Cervid (<i>C. nippon</i>)	–18.9	4.1
Xi'an, Shaanxi	Dongying	Late Neolithic (ca. 2650–2050 BC)	Cervid (<i>C. nippon</i>)	–21.1	6.3

Table A3.3
 $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ results of from silk textile in the Shichengzi site (Chapter 3).

Location	Site	Period	Species	$\delta^{13}\text{C}$	$\delta^{15}\text{N}$
Xinjiang	Shichengzi	Han Dynasty (202 BCE–220 CE)	Silk textile	−22.2	8.8

Table A3.4

$\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ data collected for archaeological millets from the Late Neolithic to Pre-Zhou periods of the Guanzhong Basin (Chapter 3). Data from the Zhouyuan site were provided by Dr. Pengfei Sheng, while data from other sites are from Wang et al. (2018).

Location	Site	Period	Species	type	$\delta^{13}\text{C}$	$\delta^{15}\text{N}$
Xi'an, Shaanxi	Beishantou	Late Neolithic (ca. 3625–3370 cal. BCE)	<i>Setaria italica</i>	seed	-8.5	4.0
Xi'an, Shaanxi	Beishantou	Late Neolithic (ca. 3625–3370 cal. BCE)	<i>Setaria italica</i>	seed	-8.6	4.0
Xi'an, Shaanxi	Beishantou	Late Neolithic (ca. 3625–3370 cal. BCE)	<i>Setaria italica</i>	seed	-8.4	4.0
Xi'an, Shaanxi	Beishantou	Late Neolithic (ca. 3625–3370 cal. BCE)	<i>Panicum miliaceum</i>	seed	-9.4	4.1
Xi'an, Shaanxi	Beishantou	Late Neolithic (ca. 3625–3370 cal. BCE)	<i>Setaria italica</i>	seed	-9.9	4.3
Xi'an, Shaanxi	Beishantou	Late Neolithic (ca. 3625–3370 cal. BCE)	<i>Setaria italica</i>	seed	-8.6	4.4
Xi'an, Shaanxi	Nanshantou	Late Neolithic (ca. 3530–2870 cal. BCE)	<i>Setaria italica</i>	seed	-9.0	3.9
Xi'an, Shaanxi	Nanshantou	Late Neolithic (ca. 3530–2870 cal. BCE)	<i>Setaria italica</i>	seed	-9.2	4.8
Xi'an, Shaanxi	Nanshantou	Late Neolithic (ca. 3530–2870 cal. BCE)	<i>Setaria italica</i>	seed	-11.5	4.9
Xi'an, Shaanxi	Nanshantou	Late Neolithic (ca. 3530–2870 cal. BCE)	<i>Panicum miliaceum</i>	seed	-9.7	6.1
Xi'an, Shaanxi	Nanshantou	Late Neolithic (ca. 3530–2870 cal. BCE)	<i>Panicum miliaceum</i>	seed	-9.8	6.6
Xi'an, Shaanxi	Xiahe	Late Neolithic (ca. 3240–2120 cal. BCE)	<i>Panicum miliaceum</i>	seed	-9.9	3.3
Xi'an, Shaanxi	Xiahe	Late Neolithic (ca. 3240–2120 cal. BCE)	<i>Panicum miliaceum</i>	seed	-9.5	4.3
Xi'an, Shaanxi	Xiahe	Late Neolithic (ca. 3240–2120 cal. BCE)	<i>Panicum miliaceum</i>	seed	-9.7	4.5
Xi'an, Shaanxi	Xiahe	Late Neolithic (ca. 3240–2120 cal. BCE)	<i>Panicum miliaceum</i>	seed	-9.8	4.6
Xi'an, Shaanxi	Xiahe	Late Neolithic (ca. 3240–2120 cal. BCE)	<i>Setaria italica</i>	seed	-8.9	4.7
Xi'an, Shaanxi	Xiahe	Late Neolithic (ca. 3240–2120 cal. BCE)	<i>Setaria italica</i>	seed	-8.8	4.8
Xi'an, Shaanxi	Xiahe	Late Neolithic (ca. 3240–2120 cal. BCE)	<i>Setaria italica</i>	seed	-8.8	4.9
Xi'an, Shaanxi	Xiahe	Late Neolithic (ca. 3240–2120 cal. BCE)	<i>Setaria italica</i>	seed	-9.8	5.1

Location	Site	Period	Species	type	$\delta^{13}\text{C}$	$\delta^{15}\text{N}$
Xi'an, Shaanxi	Xiahe	Late Neolithic (ca. 3240–2120 cal. BCE)	<i>Setaria italica</i>	seed	-9.2	5.1
Xi'an, Shaanxi	Xiahe	Late Neolithic (ca. 3240–2120 cal. BCE)	<i>Panicum miliaceum</i>	seed	-9.6	5.1
Xi'an, Shaanxi	Xiahe	Late Neolithic (ca. 3240–2120 cal. BCE)	<i>Setaria italica</i>	seed	-10.5	5.2
Xi'an, Shaanxi	Xiahe	Late Neolithic (ca. 3240–2120 cal. BCE)	<i>Panicum miliaceum</i>	seed	-9.7	5.2
Xi'an, Shaanxi	Xiahe	Late Neolithic (ca. 3240–2120 cal. BCE)	<i>Setaria italica</i>	seed	-8.8	5.3
Xi'an, Shaanxi	Xiahe	Late Neolithic (ca. 3240–2120 cal. BCE)	<i>Setaria italica</i>	seed	-8.8	5.4
Xi'an, Shaanxi	Xiahe	Late Neolithic (ca. 3240–2120 cal. BCE)	<i>Setaria italica</i>	seed	-8.8	5.4
Xi'an, Shaanxi	Xiahe	Late Neolithic (ca. 3240–2120 cal. BCE)	<i>Setaria italica</i>	seed	-10.1	5.5
Xi'an, Shaanxi	Xiahe	Late Neolithic (ca. 3240–2120 cal. BCE)	<i>Panicum miliaceum</i>	seed	-10.0	5.6
Xi'an, Shaanxi	Xiahe	Late Neolithic (ca. 3240–2120 cal. BCE)	<i>Setaria italica</i>	seed	-8.9	5.7
Xi'an, Shaanxi	Xiahe	Late Neolithic (ca. 3240–2120 cal. BCE)	<i>Setaria italica</i>	seed	-10.6	5.7
Xi'an, Shaanxi	Xiahe	Late Neolithic (ca. 3240–2120 cal. BCE)	<i>Panicum miliaceum</i>	seed	-9.4	5.7
Xi'an, Shaanxi	Xiahe	Late Neolithic (ca. 3240–2120 cal. BCE)	<i>Setaria italica</i>	seed	-8.9	6.0
Xi'an, Shaanxi	Xiahe	Late Neolithic (ca. 3240–2120 cal. BCE)	<i>Panicum miliaceum</i>	seed	-9.7	6.0
Xi'an, Shaanxi	Xiahe	Late Neolithic (ca. 3240–2120 cal. BCE)	<i>Setaria italica</i>	seed	-8.8	6.1
Xi'an, Shaanxi	Xiahe	Late Neolithic (ca. 3240–2120 cal. BCE)	<i>Setaria italica</i>	seed	-9.1	6.1
Xi'an, Shaanxi	Xiahe	Late Neolithic (ca. 3240–2120 cal. BCE)	<i>Panicum miliaceum</i>	seed	-10.3	6.1
Xi'an, Shaanxi	Xiahe	Late Neolithic (ca. 3240–2120 cal. BCE)	<i>Panicum miliaceum</i>	seed	-10.0	6.2
Xi'an, Shaanxi	Xiahe	Late Neolithic (ca. 3240–2120 cal. BCE)	<i>Panicum miliaceum</i>	seed	-9.2	6.3
Xi'an, Shaanxi	Xiahe	Late Neolithic (ca. 3240–2120 cal. BCE)	<i>Setaria italica</i>	seed	-9.2	6.4
Xi'an, Shaanxi	Xiahe	Late Neolithic (ca. 3240–2120 cal. BCE)	<i>Panicum miliaceum</i>	seed	-9.6	6.6
Xi'an, Shaanxi	Xiahe	Late Neolithic (ca. 3240–2120 cal. BCE)	<i>Setaria italica</i>	seed	-9.8	6.9
Xi'an, Shaanxi	Hanzhai	Late Neolithic (ca. 2450–2300 cal. BCE)	<i>Setaria italica</i>	seed	-9.5	5.0

Location	Site	Period	Species	type	$\delta^{13}\text{C}$	$\delta^{15}\text{N}$
Xi'an, Shaanxi	Hanzhai	Late Neolithic (ca. 2450–2300 cal. BCE)	<i>Panicum miliaceum</i>	seed	–9.7	6.1
Xi'an, Shaanxi	Hanzhai	Late Neolithic (ca. 2450–2300 cal. BCE)	<i>Setaria italica</i>	seed	–9.0	6.5
Xi'an, Shaanxi	Hanzhai	Late Neolithic (ca. 2450–2300 cal. BCE)	<i>Panicum miliaceum</i>	seed	–9.8	6.5
Xi'an, Shaanxi	Zhouyuan	Pre-Zhou (ca. 1150–1046 BCE)	<i>Setaria italica</i>	seed	–10.5	5.7
Xi'an, Shaanxi	Zhouyuan	Pre-Zhou (ca. 1150–1046 BCE)	<i>Setaria italica</i>	seed	–9.2	5.0
Xi'an, Shaanxi	Zhouyuan	Pre-Zhou (ca. 1150–1046 BCE)	<i>Setaria italica</i>	seed	–9.0	5.2
Xi'an, Shaanxi	Zhouyuan	Pre-Zhou (ca. 1150–1046 BCE)	<i>Setaria italica</i>	seed	–9.5	6.8
Xi'an, Shaanxi	Zhouyuan	Pre-Zhou (ca. 1150–1046 BCE)	<i>Panicum miliaceum</i>	seed	–9.7	8.2

Table A3.5

Radiocarbon ages from the Ziweitianyuan Site (Chapter 3).

Lab Code	Site	Unit	Sample	¹⁴ C (years BP)	Cal age (2σ range, 95.6%)
Beta-656463	Ziweitianyuan	H13	Common millet seed	4440 ± 30	3330 (33.07%) 3210 Cal BC
					3190 (6.95%) 3145 Cal BC
					3130 (47.98%) 3005 Cal BC
					2990 (7.39%) 2925 Cal BC

Table A6.1

Dataset of pottery model granaries unearthed from Han Dynasty Tombs in the Guanzhong Basin (Chapter 6).

Tomb owner ID indicates the social status of the tomb owners: R1, kings or marquises; R2, mid-ranking officials or powerful local gentry; R3, lower-ranking officials, wealthy ordinary commoners, or small to medium landholders; and R4, ordinary commoners. **Granary ID** refers to the catalog numbers of the pottery model granaries. NA indicates that no relevant information was provided.

Location	Tomb	Period	Tomb owner ID	Granary form	Granary number	Granary ID	Ink inscription	Ink inscription translate	Whether report crops	Whether ID analysis	ID result	Height (cm)	Base diameter (cm)	Reference
Xi'an	洪庆村汉墓	Han Dynasty	NA	Cylindrical	3	NA		白米囤	Yes	No	NA	35	20	Cheng, 1963
								小麦囤	Yes	No	NA	35	20	
								黍粟囤	Yes	No	NA	35	20	
Baoji	谭家村四号墓	Late Western Han	NA	Cylindrical	2	M4:3	NA	NA	Yes	No	NA	26.8	11.5	Zhang, 1987
						M4:4	NA	NA	Yes	No	NA	26.8	11.5	
Baoji	千阳县汉墓	Eastern Han	R2	Cylindrical	1	M:15	NA	NA	No	No	NA	25.3	12.7	Wang, 1975
Xi'an	大白杨村汉墓 M2	Late Western Han	R4	Cylindrical	3	M2:1	NA	NA	No	No	NA	NA	NA	Xu et al., 2014
						M2:8	NA	NA	No	No	NA	NA	NA	
						M2:11	NA	NA	No	No	NA	NA	NA	
Xi'an	大白杨村汉墓 M4	Middle Western Han	R4	Cylindrical	5	M4:1	NA	NA	No	No	NA	NA	NA	Xu et al., 2014
						M4:2	NA	NA	No	No	NA	NA	NA	
						M4:3	NA	NA	No	No	NA	NA	NA	
						M4:5	NA	NA	No	No	NA	NA	NA	
						M4:9	NA	NA	No	No	NA	NA	NA	
Xi'an	大白杨村汉墓	Middle Western	R4	Cylindrical	3	M6:3	NA	NA	No	No	NA	NA	NA	Xu et al., 2014
						M6:4	NA	NA	No	No	NA	NA	NA	

Location	Tomb	Period	Tomb owner ID	Granary form	Granary number	Granary ID	Ink inscription	Ink inscription translate	Whether report crops	Whether ID analysis	ID result	Height (cm)	Base diameter (cm)	Reference
	墓 M6	Han				M6:5	NA	NA	No	No	NA	NA	NA	
Xi'an	耿志村 M14	Middle to Late Western Han	NA	Cylindrical	1	M14:7	NA	NA	No	No	NA	16	13.2	Gu & Ding, 1991
Xi'an	耿志村 M11	Late Western Han	NA	Cylindrical	4	M11:17 M11:20 M11:23 M11:25	NA NA NA NA	NA NA NA NA	No No No No	No No No No	NA NA NA NA	16 NA 19 NA	12.8 NA 13.2 NA	Gu & Ding, 1991
Xianyang	织布厂 M11	Xin Dynasty	NA	Cylindrical	1	M11:1	NA	NA	No	No	NA	23.2	12	Sun & He, 1995
Xianyang	织布厂 M3	Xin Dynasty	NA	Cylindrical	3	M3:5 M3:9 M3:23	NA NA NA	NA NA NA	No No No	No No No	NA NA NA	NA 32.8 NA	NA 17.2 NA	Sun & He, 1995
Xianyang	织布厂 M14	Late Western Han	NA	Cylindrical	5	M14:2 M14:3 M14:26 M14:27 M14:30	NA NA NA NA NA	NA NA NA NA NA	No No No No No	No No No No No	NA NA NA NA NA	NA NA NA NA NA	NA NA NA NA NA	Sun & He, 1995
Xi'an	95SJM5	Late Eastern Han	NA	Cylindrical	1	M5:11	NA	NA	No	No	NA	35.2	21.6	Shaanxi Provincial Institute of Archaeology, 1997
Weinan	93 渭西电 M6	Early Western Han	NA	House-shaped	1	M6:7	NA	NA	No	No	NA	26.9	19.3	Cui & Wang, 1998
Baoji	98FGM1	Xin Dynasty	NA	Cylindrical	1	98FGM1:8	NA	NA	No	No	NA	28.1	14	Luo, 2001
Xi'an	北康村 M4	Xin Dynasty	NA	Cylindrical	10	M4:3 M4:4 M4:5 M4:6 M4:7 M4:31	NA NA NA NA NA NA	NA NA NA NA NA NA	No No No No No No	No No No No No No	NA NA NA NA NA NA	NA NA NA 32.7 NA NA NA	NA NA 15 NA NA NA	Sun & Zhang, 2003

Location	Tomb	Period	Tomb owner ID	Granary form	Granary number	Granary ID	Ink inscription	Ink inscription translate	Whether report crops	Whether ID analysis	ID result	Height (cm)	Base diameter (cm)	Reference
Xi'an	北康村 M3	Late Western Han to Early Eastern Han	NA	Cylindrical	5			NA	No	No	NA	NA	NA	Sun & Zhang, 2003
Xi'an	李家村汉墓	Han Dynasty	NA	Cylindrical	1			NA	No	No	NA	24	9.8	Zhang, 2004
Xi'an	翁家庄 M12	Late Western Han	NA	Cylindrical	4			NA	No	No	NA	NA	NA	Duan, 2004
Xi'an	翁家庄 M3	Late Western Han	NA	Cylindrical	2			NA	No	No	NA	NA	NA	Duan, 2004
Xi'an	投资策划服务有限公司 M10	Middle Western Han	NA	Cylindrical	5			NA	No	No	NA	NA	NA	Qi & Li, 2006
Baoji	凉泉 M2	Middle to Late Western Han	NA	Cylindrical	4			NA	No	No	NA	34.2	12.8	Tian et al., 2013
Baoji	凉泉 M3	Middle to Late Western Han	NA	Cylindrical	2			NA	No	No	NA	32.2	14.6	Tian et al., 2013
Baoji	凉泉 M6	Middle to	NA	Cylindrical	2			NA	No	No	NA	27.2	13.6	Tian et al.,

Location	Tomb	Period	Tomb owner ID	Granary form	Granary number	Granary ID	Ink inscription	Ink inscription translate	Whether report crops	Whether ID analysis	ID result	Height (cm)	Base diameter (cm)	Reference
		Late Western Han				M6:2	NA	NA	No	No	NA	NA	NA	2013
Xi'an	支家沟汉墓 鄂邑长公主墓	Middle to Late Western Han	R1	Cylindrical	3	EK5:10	NA	NA	No	No	NA	34	25	Duan et al., 2013
						EK5:8	NA	NA	No	No	NA	NA	NA	
						EK5:12	NA	NA	No	No	NA	NA	NA	
						M10:8	NA	NA	No	No	NA	NA	NA	
Xi'an	富力寨高城市广场 M10	Late Western Han	R4	Cylindrical	5	M10:9	NA	NA	No	No	NA	31	16	Shaanxi Provincial Institute of Archaeology, 2017
						M10:10	NA	NA	No	No	NA	NA	NA	
						M10:11	NA	NA	No	No	NA	NA	NA	
						M10:12	NA	NA	No	No	NA	NA	NA	
Xi'an	富力寨高城市广场 M17	Late Western Han	R4	Cylindrical	4	M17:1	NA	NA	No	No	NA	NA	NA	Shaanxi Provincial Institute of Archaeology, 2017
						M17:2	NA	NA	No	No	NA	NA	NA	
						M17:3	NA	NA	No	No	NA	33	17.2	
						M17:4	NA	NA	No	No	NA	NA	NA	
Xianyang	民生工程 M9	Xin Dynasty	NA	Cylindrical	1	M9:9	NA	NA	No	No	NA	29.2	14.6	Jiao et al., 2017
Xi'an	自强村 M45	Middle Western Han	R3	Cylindrical	6	M45:27	NA	NA	No	No	NA	NA	NA	Wang et al., 2022
						M45:28	NA	NA	No	No	NA	NA	NA	
						M45:31	NA	NA	No	No	NA	29.5	14.4	
						M45:36	NA	NA	No	No	NA	NA	NA	
						M45:38	NA	NA	No	No	NA	NA	NA	
Xi'an	自强村 M39	Middle Eastern Han	R3	Cylindrical	1	M39:4	NA	NA	No	No	NA	28.3	15.2	Wang et al., 2022
Weinan	民主南路 M2	Late Western Han	R3	Cylindrical	2	M2:6	NA	NA	No	No	NA	25.5	12.5	Zeng et al., 2023
						M2:7	NA	NA	Yes	Yes	Foxtail millet, <i>Chenopodium</i>	26.5	12.5	
Xi'an	广大门村 M14	Middle to Late Western Han	R1	Cylindrical	1	M14:18	NA	NA	No	No	NA	23.6	20	Wang et al., 2024

Location	Tomb	Period	Tomb owner ID	Granary form	Granary number	Granary ID	Ink inscription	Ink inscription translate	Whether report crops	Whether ID analysis	ID result	Height (cm)	Base diameter (cm)	Reference
Xianyang	杨家湾 M4	Early Western Han	R1	Square	25	用具坑 K2	NA	NA	No	No	NA	NA	NA	Shaanxi Provincial Museum & Xianyang City Museum, 1977
				Cylindrical	2	用具坑 K2	NA	NA	No	No	NA	NA	NA	
				Square	35	用具坑 K3	NA	NA	Yes	No	NA	NA	NA	
Xi'an	尤家庄 M67	Middle to Late Eastern Han	NA	Cylindrical	1	M67:65	NA	NA	No	No	NA	28.8	16	Cheng et al., 2007
Xi'an	布里村 M72	Early Western Han	R3	House-shaped	1	M72:6	NA	NA	No	No	NA	27.4	21.2	Cui, 2025
Xi'an	张家堡村 M31	Early Western Han	NA	House-shaped	1	M31:8	NA	NA	No	No	NA	NA	NA	Wang et al., 2015
Xi'an	张家堡村 M21	Middle to Late Western Han	NA	Cylindrical	5	M21:4	NA	NA	No	No	NA	NA	NA	Wang et al., 2015
						M21:11	NA	NA	No	No	NA	NA	NA	
						M21:12	NA	NA	No	No	NA	NA	NA	
						M21:13	NA	NA	No	No	NA	NA	NA	
						M21:14	NA	NA	No	No	NA	46	25	
Xi'an	医 M2	Early Western Han	R3	House-shaped	1	医 M2:16	NA	NA	No	No	NA	31	21.5	Han et al., 1999
				Square	1	医 M2:14	NA	NA	No	No	NA	69	38	
Xi'an	医 M3	Early Western Han	R3	House-shaped	1	医 M3:14	NA	NA	No	No	NA	31.8	18.4	Han et al., 1999
				Square	1	医 M3:5	NA	NA	No	No	NA	69	38	
Xi'an	医 M7	Early Western Han	R3	House-shaped	1	医 M7:4	NA	NA	No	No	NA	22.8	18-27	Han et al., 1999
Xi'an	医 M11	Early Western Han	R3	Square	5	医 M11:6	NA	NA	No	No	NA	NA	NA	Han et al., 1999
						医 M11:7	NA	NA	No	No	NA	NA	NA	
						医 M11:11	NA	NA	No	No	NA	NA	NA	
						医 M11:12	NA	NA	No	No	NA	NA	NA	

Location	Tomb	Period	Tomb owner ID	Granary form	Granary number	Granary ID	Ink inscription	Ink inscription translate	Whether report crops	Whether ID analysis	ID result	Height (cm)	Base diameter (cm)	Reference
Xi'an	医 M12	Early Western Han	R3	House-shaped I		医 M11:13	NA	NA	No	No	NA	NA	NA	
Xi'an	医 M14	Early Western Han	R3	House-shaped I		医 M14:11	NA	NA	No	No	NA	NA	NA	Han et al., 1999
Xi'an	医 M16	Early Western Han	R3	House-shaped I		医 M16:4	NA	NA	No	No	NA	32	25.6-38.8	Han et al., 1999
Xi'an	医 M42	Early Western Han	R2	House-shaped I		医 M42:15	NA	NA	No	No	NA	NA	NA	Han et al., 1999
Xi'an	医 M48	Early Western Han	R3	House-shaped I		医 M48:2	NA	NA	No	No	NA	NA	NA	Han et al., 1999
Xi'an	医 M51	Early Western Han	R3	House-shaped I		医 M51:1	NA	NA	No	No	NA	27	20.4-27	Han et al., 1999
Xi'an	医 M58	Early Western Han	R2	House-shaped I		医 M58:16	NA	NA	No	No	NA	32	27.2-34.4	Han et al., 1999
Xi'an	医 M84	Early Western Han	R3	House-shaped I		医 M84:1	NA	NA	No	No	NA	29.6	20.4-28.2	Han et al., 1999
Xi'an	医 M89	Early Western Han	R3	House-shaped I		医 M89:11	NA	NA	No	No	NA	NA	NA	Han et al., 1999
Xi'an	医 M92	Early Western Han	R1	House-shaped I		医 M92:15	NA	NA	No	No	NA	34	26-32	Han et al., 1999
Xi'an	医 M99	Early Western Han	R3	House-shaped I		医 M99:5	NA	NA	No	No	NA	33	22	Han et al., 1999
Xi'an	医 M120	Early Western	R1	House-shaped I		医 M120:16	NA	NA	No	No	NA	NA	NA	Han et al., 1999
				Square	4	医 M120:23	NA	NA	No	No	NA	52	30	

Location	Tomb	Period	Tomb owner ID	Granary form	Granary number	Granary ID	Ink inscription	Ink inscription translate	Whether report crops	Whether ID analysis	ID result	Height (cm)	Base diameter (cm)	Reference
Xi'an	医 M152	Early Western Han	R3	Square	10	医 M120:24	NA	NA	No	No	NA	NA	NA	
						医 M120:25	NA	NA	No	No	NA	NA	NA	
						医 M120:26	NA	NA	No	No	NA	NA	NA	
						医 M152:6	NA	NA	No	No	NA	31.8	21.6-30.6	Han et al., 1999
						医 M152:3	NA	NA	No	No	NA	NA	NA	
						医 M152:4	NA	NA	No	No	NA	61	24	
						医 M152:7	NA	NA	No	No	NA	NA	NA	
						医 M152:8	NA	NA	No	No	NA	NA	NA	
						医 M152:9	NA	NA	No	No	NA	NA	NA	
						医 M152:10	NA	NA	No	No	NA	NA	NA	
Xi'an	医 M170	Middle Western Han	R3	Cylindrical	5	医 M152:11	NA	NA	No	No	NA	NA	NA	Han et al., 1999
						医 M152:12	NA	NA	No	No	NA	NA	NA	
						医 M152:13	NA	NA	No	No	NA	NA	NA	
						医 M152:14	NA	NA	No	No	NA	NA	NA	
						医 M170:1	NA	NA	No	No	NA	41	20	
Xi'an	医 M174	Early Western Han	R3	Square	1	医 M170:2	NA	NA	No	No	NA	NA	NA	Han et al., 1999
						医 M170:3	NA	NA	No	No	NA	NA	NA	
						医 M170:4	NA	NA	No	No	NA	NA	NA	
Xi'an	医 M179	Early Western Han	R3	House-shaped I	1	医 M170:5	NA	NA	No	No	NA	NA	NA	Han et al., 1999
						医 M174:5	NA	NA	No	No	NA	61	33	
						医 M179:3	NA	NA	No	No	NA	NA	NA	
Xi'an	冷 M11	Early Western Han	R3	Square	2	冷 M11:1	NA	NA	No	No	NA	31.2	9.6	Han et al., 1999
						冷 M11:2	NA	NA	No	No	NA	NA	NA	
Xi'an	有色 M3	Middle Eastern Han	NA	Cylindrical	1	有色 M3:16	NA	NA	No	No	NA	31.8	15.6	Cheng et al., 2009
						有色 M13:1	NA	NA	No	No	NA	NA	NA	Cheng et al., 2009
Xi'an	有色 M13	Early Eastern	NA	Cylindrical	9	有色 M13:2	NA	NA	No	No	NA	NA	NA	

Location	Tomb	Period	Tomb owner ID	Granary form	Granary number	Granary ID	Ink inscription	Ink inscription translate	Whether report crops	Whether ID analysis	ID result	Height (cm)	Base diameter (cm)	Reference
		Han							No	No	NA	28.2	15	
Xi'an	有色 M14	Middle Eastern Han	NA	Cylindrical	1	有色 M14:34	NA	NA	No	No	NA	NA	NA	Cheng et al., 2009
Xi'an	有色 M21	Middle Eastern Han	NA	Cylindrical	1	有色 M21:1	NA	NA	No	No	NA	27.7	15	Cheng et al., 2009
Xi'an	有色 M24	Middle Eastern Han	NA	Cylindrical	2	有色 M24:9	NA	NA	No	No	NA	31.2	16.2	Cheng et al., 2009
						有色 M24:20	NA	NA	No	No	NA	23.5	14.5	
Xi'an	大洋 M2	Early Eastern Han	NA	Cylindrical	3	大洋 M2:1	NA	NA	No	No	NA	29	15	Cheng et al., 2009
						大洋 M2:23	NA	NA	No	No	NA	NA	NA	
						大洋 M2:34	NA	NA	No	No	NA	NA	NA	
Xi'an	雅智 M9	Middle Eastern Han	NA	Cylindrical	1	雅智 M9:9	NA	NA	No	No	NA	36.5	20	Cheng et al., 2009
Xi'an	中药 M20	Late Eastern Han	NA	Cylindrical	2	中药 M20:20	NA	NA	No	No	NA	25.8	15.6	Cheng et al., 2009
						中药 M20:21	NA	NA	No	No	NA	NA	NA	
Xi'an	明珠 M11	Xin Dynasty to Early Eastern Han	NA	Cylindrical	5	明珠 M11:9	NA	NA	No	No	NA	NA	NA	Cheng et al., 2009
						明珠 M11:10	NA	NA	No	No	NA	23.2	12	
						明珠 M11:11	NA	NA	No	No	NA	NA	NA	
						明珠 M11:12	NA	NA	No	No	NA	NA	NA	
						明珠 M11:13	NA	NA	No	No	NA	NA	NA	
Xi'an	电信 M67	Late Eastern Han	NA	Cylindrical	1	电信 M67:65	NA	NA	No	No	NA	28.8	16	Cheng et al., 2009

Location	Tomb	Period	Tomb owner ID	Granary form	Granary number	Granary ID	Ink inscription	Ink inscription translate	Whether report crops	Whether ID analysis	ID result	Height (cm)	Base diameter (cm)	Reference
Xi'an	电信 M107	Middle Eastern Han	NA	Cylindrical	1	电信 M107:2	NA	NA	No	No	NA	NA	NA	Cheng et al., 2009
Xi'an	移动 M93	Xin Dynasty to Early Eastern Han	NA	Cylindrical	1	移动 M93:2	NA	NA	No	No	NA	28	15.6	Cheng et al., 2009
Xi'an	图书 M4	Middle Eastern Han	NA	Cylindrical	2	图书 M4:3 图书 M4:4	NA NA	NA NA	No No	No No	NA NA	NA 34.5	NA 18	Cheng et al., 2009
Xi'an	佳馨 M60	Middle Eastern Han	NA	Cylindrical	1	佳馨 M60:13	NA	NA	No	No	NA	31.2	15.6	Cheng et al., 2009
Xi'an	珠江 M3	Middle Eastern Han	NA	Cylindrical	1	珠江 M3:31	NA	NA	No	No	NA	28.8	18.8	Cheng et al., 2009
Xi'an	农副 M1	Early Eastern Han	NA	Cylindrical	1	农副 M1:3	NA	NA	No	No	NA	33.5	16	Cheng et al., 2009
Xi'an	电容 M3	Middle Eastern Han	NA	Cylindrical	5	电容 M3:2 电容 M3:4 电容 M3:5 电容 M3:6	NA NA NA NA	NA NA NA NA	No No No No	No No No No	NA NA NA NA	32 29.5 NA NA	17 13 NA NA	Cheng et al., 2009
Xi'an	旭景 M1	Middle Eastern Han	NA	Cylindrical	4	旭景 M1:6 旭景 M1:27 旭景 M1:37 旭景 M1:40	NA NA NA NA	NA NA NA NA	No No No No	No No No No	NA NA NA NA	32 NA 32 33	15.5 NA 15 13.5	Cheng et al., 2009
Xi'an	国棉 M17	Middle Eastern Han	NA	Cylindrical	3	国棉 M17:14 国棉 M17:18 国棉 M17:22	NA NA NA	NA NA NA	No No No	No No No	NA NA NA	NA 30.3 31.7	NA 14.7 14.5	Cheng et al., 2009
Xi'an	国棉 M21	Late	NA	Cylindrical	2	国棉 M21:12	NA	NA	No	No	NA	23.6	11.6	Cheng et al.,

Location	Tomb	Period	Tomb owner ID	Granary form	Granary number	Granary ID	Ink inscription	Ink inscription translate	Whether report crops	Whether ID analysis	ID result	Height (cm)	Base diameter (cm)	Reference
		Eastern Han				国棉 M21:13	NA	NA	No	No	NA	22.4	14.4	2009
Xi'an	常家 M1	Late Eastern Han	NA	Cylindrical	1	常家 M1:34	NA	NA	No	No	NA	17.4	10	Cheng et al., 2009
Xi'an	理工 M6	Middle Eastern Han	NA	Cylindrical	1	理工 M6:32	NA	NA	No	No	NA	26.6	13.8	Cheng et al., 2009
Xi'an	理工 M19	Middle Eastern Han	NA	Cylindrical	1	理工 M19:9	NA	NA	No	No	NA	NA	NA	Cheng et al., 2009
Xi'an	理工 M21	Middle Eastern Han	NA	Cylindrical	1	理工 M21:4	NA	NA	No	No	NA	37.8	16.8	Cheng et al., 2009
Xi'an	雁湖 M14	Late Eastern Han	NA	Cylindrical	1	雁湖 M14:11	NA	NA	No	No	NA	23.2	12.8	Cheng et al., 2009
Xi'an	雁湖 M16	Middle Eastern Han	NA	Cylindrical	2	雁湖 M16:4	NA	NA	Yes	Yes	Foxtail millet, Common millet	36	19.2	Cheng et al., 2009
						雁湖 M16:5	NA	NA	Yes	Yes	Foxtail millet, Common millet	NA	NA	
Xi'an	雁鸣 M1	Late Eastern Han	NA	Cylindrical	2	雁鸣 M1:35	NA	NA	No	No	NA	NA	NA	Cheng et al., 2009
						雁鸣 M1:45	NA	NA	No	No	NA	NA	NA	
Xi'an	雁鸣 M2	Late Eastern Han	NA	Cylindrical	2	雁鸣 M2:7	NA	NA	No	No	NA	22	17	Cheng et al., 2009
						雁鸣 M2:26	NA	NA	No	No	NA	NA	NA	
Xi'an	曲春 M3	Late Eastern Han	NA	Cylindrical	1	曲春 M3:30	NA	NA	No	No	NA	29.4	14	Cheng et al., 2009
Xi'an	曲春 M9	Middle Eastern Han	NA	Cylindrical	1	曲春 M9:21	NA	NA	No	No	NA	NA	NA	Cheng et al., 2009

Location	Tomb	Period	Tomb owner ID	Granary form	Granary number	Granary ID	Ink inscription	Ink inscription translate	Whether report crops	Whether ID analysis	ID result	Height (cm)	Base diameter (cm)	Reference
Xi'an	曲春 M24	Early Eastern Han	NA	Cylindrical	1	曲春 M24:9	NA	NA	No	No	NA	NA	NA	Cheng et al., 2009
Xi'an	曲春 M26	Xin Dynasty to Early Eastern Han	NA	Cylindrical	1	曲春 M26:6	NA	NA	No	No	NA	23.6	11.2	Cheng et al., 2009
Xi'an	雁南 M15	Late Eastern Han	NA	Cylindrical	1	雁南 M15:44	NA	NA	No	No	NA	23.5	11.5	Cheng et al., 2009
Xi'an	雁南 M22	Late Eastern Han	NA	Cylindrical	6	雁南 M22:13	NA	NA	No	No	NA	32.5	15	Cheng et al., 2009
						雁南 M22:14	NA	NA	No	No	NA	NA	NA	
						雁南 M22:18	NA	NA	No	No	NA	NA	NA	
						雁南 M22:19	NA	NA	No	No	NA	NA	NA	
						雁南 M22:38	NA	NA	No	No	NA	NA	NA	
						雁南 M22:61	NA	NA	No	No	NA	23.7	10	
Xi'an	国展 M2	Middle Eastern Han	NA	Cylindrical	1	国展 M2:18	NA	NA	No	No	NA	35	16	Cheng et al., 2009
Xi'an	石油 M5	Early Eastern Han	NA	Cylindrical	1	石油 M5:5	NA	NA	No	No	NA	33.7	14.9	Cheng et al., 2009
Xi'an	石油 M10	Middle Eastern Han	NA	Cylindrical	1	石油 M10:3	NA	NA	No	No	NA	35.8	19.4	Cheng et al., 2009
Xi'an	石油 M15	Late Eastern Han	NA	Cylindrical	1	石油 M15:3	NA	NA	No	No	NA	25	13	Cheng et al., 2009
Xi'an	石油 M35	Middle Eastern Han	NA	Cylindrical	1	石油 M35:11	NA	NA	No	No	NA	34.8	14.4	Cheng et al., 2009
Xi'an	世家 M97	Middle Eastern Han	NA	Cylindrical	5	世家 M97:1	NA	NA	No	No	NA	31.3	15.8	Cheng et al., 2009
						世家 M97:3	NA	NA	No	No	NA	NA	NA	
						世家 M97:4	NA	NA	No	No	NA	NA	NA	

Location	Tomb	Period	Tomb owner ID	Granary form	Granary number	Ink inscription	Ink inscription translate	Whether report crops	Whether ID analysis	ID result	Height (cm)	Base diameter (cm)	Reference
Xi'an	世家 M141	Late Eastern Han	NA	Cylindrical	2	世家 M97:6	NA	No	No	NA	NA	NA	Cheng et al., 2009
						世家 M97:7	NA	No	No	NA	NA	NA	
						世家 M141:13	NA	No	No	NA	23	11.5	
						世家 M141:36	NA	No	No	NA	26	15	
Xi'an	世家 M213	Middle Eastern Han	NA	Cylindrical	2	世家 M213:10	NA	No	No	NA	35.4	20.4	Cheng et al., 2009
						世家 M213:26	NA	No	No	NA	NA	NA	
Xi'an	中华 M15	Middle Eastern Han	NA	Cylindrical	1	中华 M15:13	NA	No	No	NA	27.5	13.4	Cheng et al., 2009
Xi'an	卫光 M1	Middle Eastern Han	NA	Cylindrical	1	卫光 M1:7	NA	No	No	NA	33.5	15.5	Cheng et al., 2009
Xi'an	邮电 M10	Late Eastern Han	NA	Cylindrical	1	邮电 M10:6	NA	No	No	NA	21.2	12	Cheng et al., 2009
Xi'an	邮电 M1294	Middle Eastern Han	NA	Cylindrical	1	邮电 M1294:18	NA	No	No	NA	29	13	Cheng et al., 2009
Xi'an	临潼 M1	Middle Eastern Han	NA	Cylindrical	2	临潼 M1:11	NA	No	No	NA	28.4	18	Cheng et al., 2009
						临潼 M1:12	NA	No	No	NA	31.4	14.8	
Xi'an	1988 医 M1	Late Western Han	NA	Cylindrical	5	1988 医 M1:18	NA	No	No	NA	36	19.8	Cheng et al., 2004
						1988 医 M1:19	NA	No	No	NA	NA	NA	
						1988 医 M1:20	NA	No	No	NA	NA	NA	
						1988 医 M1:21	NA	No	No	NA	NA	NA	
Xi'an	医 M81	Late Western Han	NA	Cylindrical	5	1988 医 M1:24	NA	No	No	NA	NA	NA	Cheng et al., 2004
						医 M81:10	NA	No	No	NA	NA	NA	
						医 M81:11	NA	No	No	NA	NA	NA	
						医 M81:13	NA	No	No	NA	NA	NA	
Xi'an	医 M93	Xin	NA	Cylindrical	4	医 M81:15	NA	No	No	NA	NA	NA	Cheng et al., 2004
						医 M81:16	NA	No	No	NA	NA	NA	
Xi'an	医 M93	Xin	NA	Cylindrical	4	医 M93:3	NA	No	No	NA	NA	NA	Cheng et al., 2004

Location	Tomb	Period	Tomb owner ID	Granary form	Granary number	Granary ID	Ink inscription	Ink inscription translate	Whether report crops	Whether ID analysis	ID result	Height (cm)	Base diameter (cm)	Reference
		Dynasty									NA	31.2	16	2004
												26.4	16	
												NA	NA	
Xi'an	医 M100	Late Western Han	NA	Cylindrical	1		NA	NA	No	No	NA	27	15.4	Cheng et al., 2004
												NA	NA	
												NA	NA	
Xi'an	医 M117	Late Western Han	NA	Cylindrical	5			NA	No	No	NA	30.6	8.6	Cheng et al., 2004
												NA	NA	
												NA	NA	
Xi'an	医 M128	Late Western Han	NA	Cylindrical	5		NA	NA	No	No	NA	NA	NA	Cheng et al., 2004
												24	15.6	
												NA	NA	
Xi'an	医 M153	Middle to Late Western Han	NA	Cylindrical	10		NA	NA	No	No	NA	NA	NA	Cheng et al., 2004
												43.2	24-25.2	
												NA	NA	
												NA	NA	
												NA	NA	
												NA	NA	
												31.6	16.4	
												NA	NA	
												31.2	16.5	
												NA	NA	
Xi'an	医 M169	Middle Western Han	NA	Cylindrical	5		NA	NA	No	No	NA	NA	NA	Cheng et al., 2004
												NA	NA	
												NA	NA	
												37	24.3	

Location	Tomb	Period	Tomb owner ID	Granary form	Granary number	Granary ID	Ink inscription	Ink inscription translate	Whether report crops	Whether ID analysis	ID result	Height (cm)	Base diameter (cm)	Reference
Xi'an	医 M181	Middle to Late Western Han	NA	Cylindrical	5	医 M181:4	NA	NA	No	No	NA	NA	NA	Cheng et al., 2004
						医 M181:8	NA	NA	No	No	NA	29	16.3	
						医 M181:9	NA	NA	No	No	NA	NA	NA	
						医 M181:10	NA	NA	No	No	NA	NA	NA	
						医 M181:11	NA	NA	No	No	NA	NA	NA	
Xi'an	医 M182	Middle to Late Western Han	NA	Cylindrical	5	医 M182:6	NA	NA	No	No	NA	NA	NA	Cheng et al., 2004
						医 M182:7	NA	NA	No	No	NA	30.3	18.3	
						医 M182:8	NA	NA	No	No	NA	NA	NA	
						医 M182:9	NA	NA	No	No	NA	NA	NA	
						医 M182:10	NA	NA	No	No	NA	NA	NA	
Xi'an	1997 方 M1	Middle to Late Western Han	NA	Cylindrical	5	1997 方 M1:1	NA	NA	No	No	NA	NA	NA	Cheng et al., 2004
						1997 方 M1:2	NA	NA	No	No	NA	NA	NA	
						1997 方 M1:3	NA	NA	No	No	NA	NA	NA	
						1997 方 M1:4	NA	NA	No	No	NA	40.6	24	
						1997 方 M1:5	NA	NA	No	No	NA	NA	NA	
Xi'an	1997 方 M6	Middle to Late Western Han	NA	Cylindrical	5	1997 方 M6:19	NA	NA	No	No	NA	NA	NA	Cheng et al., 2004
						1997 方 M6:20	NA	NA	No	No	NA	NA	NA	
						1997 方 M6:21	NA	NA	No	No	NA	34.2	23.4	
						1997 方 M6:22	NA	NA	No	No	NA	NA	NA	
						1997 方 M6:23	NA	NA	No	No	NA	NA	NA	
Xi'an	1997 方 M9	Middle to Late Western Han	NA	Cylindrical	5	1997 方 M9:9	NA	NA	No	No	NA	NA	NA	Cheng et al., 2004
						1997 方 M9:12	NA	NA	No	No	NA	NA	NA	
						1997 方 M9:13	NA	NA	No	No	NA	27.7	14.4	
						1997 方 M9:14	NA	NA	No	No	NA	NA	NA	
						1997 方 M9:15	NA	NA	No	No	NA	NA	NA	
Xi'an	1997 方 M10	Middle to Late Western Han	NA	Cylindrical	5	1997 方 M10:1	NA	NA	No	No	NA	41.2	20-24.3	Cheng et al., 2004
						1997 方 M10:2	NA	NA	No	No	NA	NA	NA	
						1997 方 M10:3	NA	NA	No	No	NA	NA	NA	
						1997 方 M10:4	NA	NA	No	No	NA	NA	NA	
						1997 方 M10:5	NA	NA	No	No	NA	NA	NA	
Xi'an	1997 方 M17	Middle	NA	Cylindrical	2	1997 方 M17:9	NA	NA	No	No	NA	30.8	18	Cheng et al.,

Location	Tomb	Period	Tomb owner ID	Granary form	Granary number	Granary ID	Ink inscription	Ink inscription translate	Whether report crops	Whether ID analysis	ID result	Height (cm)	Base diameter (cm)	Reference
		Western Han				1997 方 M17:10	NA	NA	No	No	NA	NA	NA	2004
Xi'an	1997 方 M22	Xin Dynasty	NA	Cylindrical	5	1997 方 M22:8	NA	NA	No	No	NA	NA	NA	Cheng et al., 2004
						1997 方 M22:9	NA	NA	No	No	NA	NA	NA	
						1997 方 M22:12	NA	NA	No	No	NA	NA	NA	
						1997 方 M22:13	NA	NA	No	No	NA	30.6	17	
						1997 方 M22:14	NA	NA	No	No	NA	NA	NA	
Xi'an	1998 方 M31	Middle to Late Western Han	NA	Cylindrical	5	1998 方 M31:1	NA	NA	No	No	NA	34.8	20.7	Cheng et al., 2004
						1998 方 M31:2	NA	NA	No	No	NA	NA	NA	
						1998 方 M31:3	NA	NA	No	No	NA	NA	NA	
						1998 方 M31:4	NA	NA	No	No	NA	NA	NA	
						1998 方 M31:5	NA	NA	No	No	NA	NA	NA	
Xi'an	1999 方 M3	Xin Dynasty	NA	Cylindrical	3	1999 方 M3:1	NA	NA	No	No	NA	24	13.5-15	Cheng et al., 2004
						1999 方 M3:3	NA	NA	No	No	NA	NA	NA	
						1999 方 M3:4	NA	NA	No	No	NA	NA	NA	
Xi'an	2000 方 M1	Late Western Han	NA	Cylindrical	4	2000 方 M1:1	NA	NA	No	No	NA	27.5	14	Cheng et al., 2004
						2000 方 M1:2	NA	NA	No	No	NA	NA	NA	
						2000 方 M1:3	NA	NA	No	No	NA	NA	NA	
Xi'an	2000 方 M2	Xin Dynasty	NA	Cylindrical	5	2000 方 M1:17	NA	NA	No	No	NA	NA	NA	Cheng et al., 2004
						2000 方 M2:6	NA	NA	No	No	NA	29.5	16.8	
						2000 方 M2:7	NA	NA	No	No	NA	NA	NA	
						2000 方 M2:8	NA	NA	No	No	NA	NA	NA	
						2000 方 M2:11	NA	NA	No	No	NA	NA	NA	
Xi'an	2000 方 M14	Late Western Han	NA	Cylindrical	5	2000 方 M2:12	NA	NA	No	No	NA	NA	NA	Cheng et al., 2004
						2000 方 M14:2	NA	NA	No	No	NA	NA	NA	
						2000 方 M14:4	NA	NA	No	No	NA	NA	NA	
						2000 方 M14:5	NA	NA	No	No	NA	NA	NA	
						2000 方 M14:8	NA	NA	No	No	NA	31.8	19	
Xi'an	2000 方 M18	Middle to Late	NA	Cylindrical	5	2000 方 M14:9	NA	NA	No	No	NA	NA	NA	Cheng et al., 2004
						2000 方 M18:4	NA	NA	No	No	NA	33.5	18.4	
						2000 方 M18:5	NA	NA	No	No	NA	NA	NA	

Location	Tomb	Period	Tomb owner ID	Granary form	Granary number	Granary ID	Ink inscription	Ink inscription translate	Whether report crops	Whether ID analysis	ID result	Height (cm)	Base diameter (cm)	Reference
		Western Han				2000 方 M18:9	NA	NA	No	No	NA	NA	NA	
						2000 方 M18:10	NA	NA	No	No	NA	NA	NA	
						2000 方 M18:11	NA	NA	No	No	NA	NA	NA	
						2001 方 M19:10	NA	NA	No	No	NA	NA	NA	
						2001 方 M19:11	NA	NA	No	No	NA	NA	NA	
						2001 方 M19:12	NA	NA	No	No	NA	NA	NA	
						2001 方 M19:13	NA	NA	No	No	NA	NA	NA	Cheng et al., 2004
						2001 方 M19:16	NA	NA	No	No	NA	23.9	13.9	
						2001 方 M19:29	NA	NA	No	No	NA	23.4	11.4	
						有色 M11:4	NA	NA	No	No	NA	NA	NA	
						有色 M11:5	NA	NA	No	No	NA	23	13	Cheng et al., 2004
						有色 M11:6	NA	NA	No	No	NA	NA	NA	
						有色 M11:12	NA	NA	No	No	NA	NA	NA	
						有色 M12:5	NA	NA	No	No	NA	24.4	13.6	
						有色 M12:6	NA	NA	No	No	NA	NA	NA	
						有色 M12:7	NA	NA	No	No	NA	NA	NA	Cheng et al., 2004
						有色 M12:8	NA	NA	No	No	NA	NA	NA	
						有色 M12:9	NA	NA	No	No	NA	NA	NA	
						有色 M29:7	NA	NA	No	No	NA	24.2	13	Cheng et al., 2004
						有色 M29:14	NA	NA	No	No	NA	NA	NA	
						枣 M22:1	NA	NA	No	No	NA	NA	NA	
						枣 M22:2	NA	NA	No	No	NA	NA	NA	
						枣 M22:3	NA	NA	No	No	NA	37.6	20.4	Cheng et al., 2004
						枣 M22:4	NA	NA	No	No	NA	NA	NA	
						枣 M22:6	NA	NA	No	No	NA	NA	NA	
						雅 M3:1	NA	NA	No	No	NA	31.2	18.6	
						雅 M3:2	NA	NA	No	No	NA	NA	NA	
						雅 M3:3	NA	NA	No	No	NA	NA	NA	Cheng et al., 2004
						雅 M3:4	NA	NA	No	No	NA	NA	NA	
						雅 M3:5	NA	NA	No	No	NA	NA	NA	
						雅 M11:3	NA	NA	No	No	NA	29.4	15	Cheng et al.,

Location	Tomb	Period	Tomb owner ID	Granary form	Granary number	Granary ID	Ink inscription	Ink inscription translate	Whether report crops	Whether ID analysis	ID result	Height (cm)	Base diameter (cm)	Reference
		Western Han				雅 M11:4	NA	NA	No	No	NA	NA	NA	2004
						雅 M11:5	NA	NA	No	No	NA	NA	NA	
						雅 M11:9	NA	NA	No	No	NA	NA	NA	
						雅 M11:10	NA	NA	No	No	NA	NA	NA	
Xi'an	雅 M15	Middle Western Han	NA	Cylindrical	5	雅 M15:1	NA	NA	No	No	NA	24	12.8	Cheng et al., 2004
						雅 M15:2	NA	NA	No	No	NA	NA	NA	
						雅 M15:3	NA	NA	No	No	NA	NA	NA	
						雅 M15:4	NA	NA	No	No	NA	NA	NA	
Xi'an	雅 M17	Middle to Late Western Han	NA	Cylindrical	5	雅 M15:14	NA	NA	No	No	NA	NA	NA	Cheng et al., 2004
						雅 M17:1	NA	NA	No	No	NA	29.4	15.6-16.8	
						雅 M17:2	NA	NA	No	No	NA	NA	NA	
						雅 M17:3	NA	NA	No	No	NA	NA	NA	
Xi'an	雅 M40	Middle Western Han	NA	Cylindrical	3	雅 M17:4	NA	NA	No	No	NA	NA	NA	Cheng et al., 2004
						雅 M17:5	NA	NA	No	No	NA	NA	NA	
						雅 M40:2	NA	NA	No	No	NA	NA	NA	
						雅 M40:3	NA	NA	No	No	NA	NA	NA	
Xi'an	雅 M64	Middle Western Han	NA	Cylindrical	4	雅 M40:4	NA	NA	No	No	NA	NA	NA	Cheng et al., 2004
						雅 M64:8	NA	NA	No	No	NA	27.6	14.8	
						雅 M64:9	NA	NA	No	No	NA	NA	NA	
						雅 M64:10	NA	NA	No	No	NA	NA	NA	
Xi'an	雅 M77	Middle to Late Western Han	NA	Cylindrical	5	雅 M64:11	NA	NA	No	No	NA	NA	NA	Cheng et al., 2004
						雅 M77:7	NA	NA	No	No	NA	28.8	15.6	
						雅 M77:8	NA	NA	No	No	NA	NA	NA	
						雅 M77:14	NA	NA	No	No	NA	NA	NA	
Xi'an	雅 M78	Middle Western Han	NA	Square	5	雅 M77:15	NA	NA	No	No	NA	NA	NA	Cheng et al., 2004
						雅 M77:16	NA	NA	No	No	NA	NA	NA	
						雅 M78:5	NA	NA	No	No	NA	28.8	10.4	
						雅 M78:6	NA	NA	No	No	NA	NA	NA	
Xi'an	雅 M78	Middle Western Han	NA	Square	5	雅 M78:7	NA	NA	No	No	NA	NA	NA	Cheng et al., 2004
						雅 M78:8	NA	NA	No	No	NA	NA	NA	
						雅 M78:9	NA	NA	No	No	NA	NA	NA	
						雅 M78:9	NA	NA	No	No	NA	NA	NA	

Location	Tomb	Period	Tomb owner ID	Granary form	Granary number	Granary ID	Ink inscription	Ink inscription translate	Whether report crops	Whether ID analysis	ID result	Height (cm)	Base diameter (cm)	Reference
Xi'an	雅 M83	Middle to Late Western Han	NA	Cylindrical	5	雅 M83:7	NA	NA	No	No	NA	26	13.6	Cheng et al., 2004
						雅 M83:8	NA	NA	No	No	NA	21.6	12.4	
						雅 M83:18	NA	NA	No	No	NA	NA	NA	
						雅 M83:19	NA	NA	No	No	NA	NA	NA	
						雅 M83:20	NA	NA	No	No	NA	NA	NA	
Xi'an	雅 M94	Xin Dynasty	NA	Cylindrical	2	雅 M94:7	NA	NA	No	No	NA	NA	NA	Cheng et al., 2004
						雅 M94:16	NA	NA	No	No	NA	NA	NA	
Xi'an	雅 M129	Middle Western Han	NA	Cylindrical	5	雅 M129:9	NA	NA	No	No	NA	NA	NA	Cheng et al., 2004
						雅 M129:10	NA	NA	No	No	NA	NA	NA	
						雅 M129:11	NA	NA	No	No	NA	NA	NA	
						雅 M129:12	NA	NA	No	No	NA	30.4	16.8	
						雅 M129:13	NA	NA	No	No	NA	NA	NA	
Xi'an	雅 M130	Late Western Han	NA	Cylindrical	5	雅 M130:2	NA	NA	No	No	NA	35.5	18	Cheng et al., 2004
						雅 M130:3	NA	NA	No	No	NA	NA	NA	
						雅 M130:4	NA	NA	No	No	NA	NA	NA	
						雅 M130:5	NA	NA	No	No	NA	NA	NA	
						雅 M130:6	NA	NA	No	No	NA	NA	NA	
Xi'an	雅 M131	Late Western Han	NA	Cylindrical	5	雅 M131:1	NA	NA	No	No	NA	NA	NA	Cheng et al., 2004
						雅 M131:2	NA	NA	No	No	NA	NA	NA	
						雅 M131:3	NA	NA	No	No	NA	32.4	19.2	
						雅 M131:4	NA	NA	No	No	NA	NA	NA	
						雅 M131:5	NA	NA	No	No	NA	NA	NA	
Xi'an	雅 M134	Late Western Han	NA	Cylindrical	5	雅 M134:10	NA	NA	No	No	NA	NA	NA	Cheng et al., 2004
						雅 M134:13	NA	NA	No	No	NA	31.2	19.5	
						雅 M134:14	NA	NA	No	No	NA	NA	NA	
						雅 M134:15	NA	NA	No	No	NA	NA	NA	
						雅 M134:16	NA	NA	No	No	NA	NA	NA	
Xi'an	雅 M151	Middle to Late Western Han	NA	Cylindrical	3	雅 M151:2	NA	NA	No	No	NA	30.7	17.2-17.5	Cheng et al., 2004
						雅 M151:4	NA	NA	No	No	NA	NA	NA	
						雅 M151:8	NA	NA	No	No	NA	NA	NA	
Xi'an	雅 M157	Middle to	NA	Cylindrical	2	雅 M157:3	NA	NA	No	No	NA	32.9	20.3	Cheng et al.,

Location	Tomb	Period	Tomb owner ID	Granary form	Granary number	Granary ID	Ink inscription	Ink inscription translate	Whether report crops	Whether ID analysis	ID result	Height (cm)	Base diameter (cm)	Reference
		Late Western Han					NA	NA	No	No	NA	NA	NA	2004
Xi'an	雅 M176	Xin Dynasty	NA	Cylindrical	1		NA	NA	No	No	NA	32.5	17-18.3	Cheng et al., 2004
Xi'an	交校 M28	Middle Western Han	NA	Cylindrical	5	交校 M28:3	NA	NA	No	No	NA	24.8	12.8	Cheng et al., 2004
						交校 M28:4	NA	NA	No	No	NA	NA	NA	
						交校 M28:5	NA	NA	No	No	NA	NA	NA	
						交校 M28:6	NA	NA	No	No	NA	NA	NA	
Xi'an	交校 M47	Middle to Late Western Han	NA	Cylindrical	5	交校 M28:15	NA	NA	No	No	NA	NA	NA	Cheng et al., 2004
						交校 M47:3	NA	NA	No	No	NA	30.8	16	
						交校 M47:4	NA	NA	No	No	NA	NA	NA	
						交校 M47:5	NA	NA	No	No	NA	NA	NA	
						交校 M47:6	NA	NA	No	No	NA	NA	NA	
						交校 M47:7	NA	NA	No	No	NA	NA	NA	
Xi'an	交校 M65	Late Western Han	NA	Cylindrical	5	交校 M65:1	NA	NA	Yes	Yes	Common millet	32	18.1	Cheng et al., 2004
						交校 M65:2	NA	NA	No	No	NA	NA	NA	
						交校 M65:3	NA	NA	Yes	Yes	Foxtail millet	NA	NA	
						交校 M65:4	NA	NA	No	No	NA	32	18.1	
						交校 M65:5	NA	NA	No	No	NA	NA	NA	
Xi'an	交校 M79	Middle to Late Western Han	NA	Cylindrical	5	交校 M79:21	NA	NA	No	No	NA	31.8	16.2	Cheng et al., 2004
						交校 M79:22	NA	NA	No	No	NA	NA	NA	
						交校 M79:23	NA	NA	No	No	NA	NA	NA	
						交校 M79:24	NA	NA	No	No	NA	NA	NA	
						交校 M79:25	NA	NA	No	No	NA	NA	NA	
Xi'an	交校 M146	Middle to Late Western Han	NA	Cylindrical	5	交校 M146:1	NA	NA	No	No	NA	31.2	15.6-16.1	Cheng et al., 2004
						交校 M146:2	NA	NA	No	No	NA	33	16.8	
						交校 M146:3	NA	NA	No	No	NA	NA	NA	
						交校 M146:4	NA	NA	No	No	NA	NA	NA	
Xi'an	交校 M161	Late	NA	Cylindrical	5	交校 M161:9	NA	NA	No	No	NA	22	11-13.5	Cheng et al.,

Location	Tomb	Period	Tomb owner ID	Granary form	Granary number	Granary ID	Ink inscription	Ink inscription translate	Whether report crops	Whether ID analysis	ID result	Height (cm)	Base diameter (cm)	Reference
		Western Han				交校 M161:10	NA	NA	No	No	NA	NA	NA	2004
						交校 M161:11	NA	NA	No	No	NA	NA	NA	
						交校 M161:12	NA	NA	No	No	NA	25.5	14	
						交校 M161:13	NA	NA	No	No	NA	NA	NA	
Xi'an	交校 M178	Middle to Late Western Han	NA	Cylindrical	2	交校 M178:6	NA	NA	No	No	NA	32.4	16.8	Cheng et al., 2004
						交校 M178:7	NA	NA	No	No	NA	NA	NA	
Xi'an	交校 M192	Middle to Late Western Han	NA	Cylindrical	4	交校 M192:15	NA	NA	No	No	NA	29.4	17.6	Cheng et al., 2004
						交校 M192:16	NA	NA	No	No	NA	NA	NA	
						交校 M192:17	NA	NA	No	No	NA	NA	NA	
						交校 M192:18	NA	NA	No	No	NA	NA	NA	
Xi'an	交校 M209	Middle to Late Western Han	NA	Cylindrical	5	交校 M209:8	NA	NA	No	No	NA	28.8	15.6	Cheng et al., 2004
						交校 M209:9	NA	NA	No	No	NA	NA	NA	
						交校 M209:10	NA	NA	No	No	NA	NA	NA	
						交校 M209:16	NA	NA	No	No	NA	29.6	15.6	
Xi'an	交校 M246	Middle Western Han	NA	Square	5	交校 M209:17	NA	NA	No	No	NA	NA	NA	Cheng et al., 2004
						交校 M246:42	NA	NA	No	No	NA	33.6	13.8	
						交校 M246:43	NA	NA	No	No	NA	NA	NA	
						交校 M246:44	NA	NA	No	No	NA	NA	NA	
						交校 M246:45	NA	NA	No	No	NA	NA	NA	
						交校 M246:46	NA	NA	No	No	NA	NA	NA	
						交校 M246:5	NA	NA	No	No	NA	39	24	
				Cylindrical	5	交校 M246:6	NA	NA	No	No	NA	NA	NA	
						交校 M246:7	NA	NA	No	No	NA	NA	NA	
						交校 M246:15	NA	NA	No	No	NA	NA	NA	
Xi'an	交校 M258	Middle Western Han	NA	Cylindrical	5	交校 M246:16	NA	NA	No	No	NA	NA	NA	
						交校 M258:8	NA	NA	No	No	NA	28.8	16.8	
						交校 M258:9	NA	NA	No	No	NA	NA	NA	
						交校 M258:10	NA	NA	No	No	NA	NA	NA	
Xi'an	交校 M258	Middle Western Han	NA	Cylindrical	5	交校 M258:11	NA	NA	No	No	NA	NA	NA	Cheng et al., 2004
						交校 M258:12	NA	NA	No	No	NA	NA	NA	

Location	Tomb	Period	Tomb owner ID	Granary form	Granary number	Granary ID	Ink inscription	Ink inscription translate	Whether report crops	Whether ID analysis	ID result	Height (cm)	Base diameter (cm)	Reference
Xi'an	电 M14	Late Western Han	NA	Cylindrical	5	电 M14:1	NA	NA	No	No	NA	30.6	16.2	Cheng et al., 2004
						电 M14:14	NA	NA	No	No	NA	NA	NA	
						电 M14:15	NA	NA	No	No	NA	NA	NA	
						电 M14:18	NA	NA	No	No	NA	NA	NA	
						电 M14:26	NA	NA	No	No	NA	NA	NA	
Xi'an	电 M28	Late Western Han	NA	Cylindrical	5	电 M28:1	NA	NA	No	No	NA	28.7	16.6	Cheng et al., 2004
						电 M28:6	NA	NA	No	No	NA	NA	NA	
						电 M28:7	NA	NA	No	No	NA	NA	NA	
						电 M28:8	NA	NA	No	No	NA	NA	NA	
						电 M28:9	NA	NA	No	No	NA	NA	NA	
Xi'an	电 M110	Late Western Han	NA	Cylindrical	5	电 M110:4	NA	NA	No	No	NA	NA	NA	Cheng et al., 2004
						电 M110:5	NA	NA	No	No	NA	28.2	15.6	
						电 M110:6	NA	NA	No	No	NA	NA	NA	
						电 M110:7	NA	NA	No	No	NA	NA	NA	
						电 M110:8	NA	NA	No	No	NA	NA	NA	
Xi'an	电 M164	Xin Dynasty	NA	Cylindrical	5	电 M164:1	NA	NA	No	No	NA	33	17.4	Cheng et al., 2004
						电 M164:2	NA	NA	No	No	NA	NA	NA	
						电 M164:7	NA	NA	No	No	NA	NA	NA	
						电 M164:11	NA	NA	No	No	NA	NA	NA	
						电 M164:14	NA	NA	No	No	NA	NA	NA	
Xi'an	图 M2	Late Western Han	NA	Cylindrical	6	图 M2:4	NA	NA	No	No	NA	35.8	19.2	Cheng et al., 2004
						图 M2:5	NA	NA	No	No	NA	NA	NA	
						图 M2:6	NA	NA	No	No	NA	NA	NA	
						图 M2:7	NA	NA	No	No	NA	NA	NA	
						图 M2:13	NA	NA	No	No	NA	NA	NA	
Xi'an	佳髹 M80	Xin Dynasty	NA	Cylindrical	5	图 M2:14	NA	NA	No	No	NA	NA	NA	Cheng et al., 2004
						佳髹 M80:13	NA	NA	No	No	NA	28	14.8-15.5	
						佳髹 M80:14	NA	NA	No	No	NA	NA	NA	
						佳髹 M80:15	NA	NA	No	No	NA	NA	NA	
						佳髹 M80:16	NA	NA	No	No	NA	NA	NA	

Location	Tomb	Period	Tomb owner ID	Granary form	Granary number	Granary ID	Ink inscription	Ink inscription translate	Whether report crops	Whether ID analysis	ID result	Height (cm)	Base diameter (cm)	Reference
Xi'an	石油 M22	Late Western Han	NA	Cylindrical	5	石油 M22:3	NA	NA	No	No	NA	37.5	19.8	Cheng et al., 2004
						石油 M22:36	NA	NA	No	No	NA	NA	NA	
						石油 M22:37	NA	NA	No	No	NA	NA	NA	
						石油 M22:38	NA	NA	No	No	NA	NA	NA	
						石油 M22:39	NA	NA	No	No	NA	NA	NA	
Xi'an	三兆 M1	Late Western Han	NA	Cylindrical	1	三兆 M1:23	NA	NA	No	No	NA	43.4	24.6	Cheng et al., 2004
Xi'an	三兆 M3	Late Western Han	NA	Cylindrical	5	三兆 M3:1	黍粟一京	common millet and foxtail millet one <i>jing</i>	Yes	Yes	Common millet	29.2	14.4	Cheng et al., 2004
						三兆 M3:2	粟一京	foxtail millet one <i>jing</i>	Yes	Yes	Foxtail millet	NA	NA	
						三兆 M3:3	大麦一京	barley foxtail millet one <i>jing</i>	Yes	Yes	Barley	31	15.1	
						三兆 M3:4	大豆一京	soybean one <i>jing</i>	Yes	Yes	Soybean	NA	NA	
						三兆 M3:5	麻一京	hemp one <i>jing</i>	Yes	Yes	Hemp, Foxtail millet, Common millet	NA	NA	
Xi'an	三兆 M4	Late Western Han	NA	Cylindrical	5	三兆 M4:2	NA	NA	No	No	NA	23	11.8	Cheng et al., 2004
						三兆 M4:3	NA	NA	Yes	Yes	Adzuki bean, Job's tears	NA	NA	
						三兆 M4:4	NA	NA	Yes	Yes	Wheat	NA	NA	
						三兆 M4:5	NA	NA	No	No	NA	NA	NA	
						三兆 M4:6	NA	NA	No	No	NA	NA	NA	

Location	Tomb	Period	Tomb owner ID	Granary form	Granary number	Granary ID	Ink inscription	Ink inscription translate	Whether report crops	Whether ID analysis	ID result	Height (cm)	Base diameter (cm)	Reference
Xi'an	五 M1	Late Eastern Han	R2	Cylindrical	3	NA	NA	NA	No	No	NA	NA	NA	Shaanxi Provincial Institute of Archaeology, 2003
Xi'an	五 M2	Late Eastern Han	R4	Cylindrical	1	NA	NA	NA	No	No	NA	NA	NA	Shaanxi Provincial Institute of Archaeology, 2003
Xi'an	五 M7	Late Eastern Han	R4	Cylindrical	1	NA	NA	NA	No	No	NA	NA	NA	Shaanxi Provincial Institute of Archaeology, 2003
Xi'an	五 M8	Middle Eastern Han	R2	Cylindrical	1	NA	NA	NA	No	No	NA	NA	NA	Shaanxi Provincial Institute of Archaeology, 2003
Xi'an	五 M9	Middle Eastern Han	R3	Cylindrical	1	NA	NA	NA	No	No	NA	NA	NA	Shaanxi Provincial Institute of Archaeology, 2003
Xi'an	五 M10	Late Eastern Han	R4	Cylindrical	1	NA	NA	NA	No	No	NA	NA	NA	Shaanxi Provincial Institute of Archaeology, 2003
Xi'an	五 M11	Late Eastern Han	R4	Cylindrical	2	NA	NA	NA	No	No	NA	NA	NA	Shaanxi Provincial Institute of Archaeology, 2003

Location	Tomb	Period	Tomb owner ID	Granary form	Granary number	Granary ID	Ink inscription	Ink inscription translate	Whether report crops	Whether ID analysis	ID result	Height (cm)	Base diameter (cm)	Reference
Xi'an	五 M12	Late Eastern Han	R4	Cylindrical	1	NA	NA	NA	No	No	NA	NA	NA	Shaanxi Provincial Institute of Archaeology, 2003
Xi'an	五 M16	Late Western Han	R4	Cylindrical	5	NA	NA	NA	No	No	NA	NA	NA	Shaanxi Provincial Institute of Archaeology, 2003
Xi'an	五 M17	Late Western Han	R4	Cylindrical	5	NA	NA	NA	No	No	NA	NA	NA	Shaanxi Provincial Institute of Archaeology, 2003
Xi'an	五 M18	Middle Eastern Han	R2	Cylindrical	1	NA	NA	NA	No	No	NA	NA	NA	Shaanxi Provincial Institute of Archaeology, 2003
Xi'an	五 M20	Middle to Late Western Han	R3	Cylindrical	3	NA	NA	NA	No	No	NA	NA	NA	Shaanxi Provincial Institute of Archaeology, 2003
Xi'an	五 M27	Late Western Han	R4	Cylindrical	5	NA	NA	NA	No	No	NA	NA	NA	Shaanxi Provincial Institute of Archaeology, 2003
Xi'an	五 M28	Late Western Han	R4	Cylindrical	3	NA	NA	NA	No	No	NA	NA	NA	Shaanxi Provincial Institute of Archaeology, 2003

Location	Tomb	Period	Tomb owner ID	Granary form	Granary number	Granary ID	Ink inscription	Ink inscription translate	Whether report crops	Whether ID analysis	ID result	Height (cm)	Base diameter (cm)	Reference
Xi'an	五 M30	Late Western Han	R4	Cylindrical	2	NA	NA	NA	No	No	NA	NA	NA	Shaanxi Provincial Institute of Archaeology, 2003
Xi'an	五 M31	Late Western Han	R4	Cylindrical	5	NA	NA	NA	No	No	NA	NA	NA	Shaanxi Provincial Institute of Archaeology, 2003
Xi'an	五 M35	Early Eastern Han	R3	Cylindrical	1	NA	NA	NA	No	No	NA	NA	NA	Shaanxi Provincial Institute of Archaeology, 2003
Xi'an	五 M44	Late Eastern Han	R4	Cylindrical	1	NA	NA	NA	No	No	NA	NA	NA	Shaanxi Provincial Institute of Archaeology, 2003
Xi'an	五 M50	Late Eastern Han	R4	Cylindrical	1	NA	NA	NA	No	No	NA	NA	NA	Shaanxi Provincial Institute of Archaeology, 2003
Xi'an	五 M71	Middle to Late Western Han	R2	Cylindrical	5	NA	NA	NA	No	No	NA	NA	NA	Shaanxi Provincial Institute of Archaeology, 2003
Xi'an	五 M72	Middle Eastern Han	R3	Cylindrical	3	NA	NA	NA	No	No	NA	NA	NA	Shaanxi Provincial Institute of Archaeology, 2003

Location	Tomb	Period	Tomb owner ID	Granary form	Granary number	Granary ID	Ink inscription	Ink inscription translate	Whether report crops	Whether ID analysis	ID result	Height (cm)	Base diameter (cm)	Reference
Xi'an	五 M73	Late Eastern Han	R4	Cylindrical	1	NA	NA	NA	No	No	NA	NA	NA	Shaanxi Provincial Institute of Archaeology, 2003
Xi'an	五 M78	Late Western Han	R4	Cylindrical	5	NA	NA	NA	No	No	NA	NA	NA	Shaanxi Provincial Institute of Archaeology, 2003
Xi'an	五 M94	Late Western Han	R2	Cylindrical	1	NA	NA	NA	No	No	NA	NA	NA	Shaanxi Provincial Institute of Archaeology, 2003
Xi'an	五 M95	Early Western Han	R1	Cylindrical	24	五 M95 墓道壁龛:1	吉命	auspicious destiny	No	No	NA	NA	NA	Shaanxi Provincial Institute of Archaeology, 2003
							五 M95 墓道壁龛:2	日揖	No	No	NA	NA	NA	
							五 M95 墓道壁龛:5	NA	No	No	NA	NA	NA	
							五 M95 墓道壁龛:6	醪	No	No	NA	NA	NA	
							五 M95 墓道壁龛:7	NA	No	No	NA	NA	NA	
							五 M95 墓道壁龛:9	NA	No	No	NA	NA	NA	
							五 M95 墓道壁龛:10	白粟粟 white foxtail milley	No	No	NA	NA	NA	
							五 M95 墓道壁龛:11	盐	No	No	NA	NA	NA	
							五 M95 墓道壁龛:12	NA	No	No	NA	NA	NA	
							五 M95 墓道壁龛:13	忝天 <i>tao shu</i>	No	No	NA	NA	NA	
							五 M95 墓道壁龛:14	醢 meat paste	No	No	NA	NA	NA	

Location	Tomb	Period	Tomb owner ID	Granary form	Granary number	Granary ID	Ink inscription	Ink inscription translate	Whether report crops	Whether ID analysis	ID result	Height (cm)	Base diameter (cm)	Reference
						五 M95 墓道壁龛:15 揖		bow with clasped hands	No	No	NA	NA	NA	
						五 M95 樽室:21 黍粟		common millet and foxtail millet	No	No	NA	NA	NA	
						五 M95 樽室:23 林粟		shu foxtail millet	No	No	NA	NA	NA	
						五 M95 樽室:24 NA		NA	No	No	NA	NA	NA	
						五 M95 樽室:25 穋粟		huang foxtail millet	No	No	NA	NA	NA	
						五 M95 樽室:26 NA		NA	No	No	NA	NA	NA	
						五 M95 樽室:27 大麦		barley	No	No	NA	NA	NA	
						五 M95 樽室:28 小麦		wheat	No	No	NA	NA	NA	
						五 M95 樽室:29 黍豆		common millet and bean	No	No	NA	NA	NA	
						五 M95 樽室:30 NA		NA	No	No	NA	NA	NA	
						五 M95 樽室:31 NA		NA	No	No	NA	NA	NA	
						五 M95 樽室:32 NA		NA	No	No	NA	NA	NA	
						五 M95 樽室:33 NA		NA	No	No	NA	NA	NA	
Xi'an	四 M5	Middle Eastern Han	R3	House-shaped I		五 M95 壁龛:3	Faint traces	NA	No	No	NA	NA	NA	Shaanxi Provincial Institute of Archaeology, 2003
				Cylindrical I		NA	NA	NA	No	No	NA	NA	NA	Shaanxi Provincial Institute of Archaeology, 2003
Xi'an	四 M13	Late Eastern Han	R2	Cylindrical I		NA	NA	NA	No	No	NA	NA	NA	Shaanxi Provincial Institute of Archaeology, 2003

Location	Tomb	Period	Tomb owner ID	Granary form	Granary number	Granary ID	Ink inscription	Ink inscription translate	Whether report crops	Whether ID analysis	ID result	Height (cm)	Base diameter (cm)	Reference
Xi'an	繡 M14	Late Eastern Han	R2	Cylindrical	2	NA	NA	NA	No	No	NA	NA	NA	Shaanxi Provincial Institute of Archaeology, 2003
Xi'an	繡 M12	Early Eastern Han	R3	Cylindrical	1	NA	NA	NA	No	No	NA	NA	NA	Shaanxi Provincial Institute of Archaeology, 2003
Xi'an	繡 M15	Late Eastern Han	R4	Cylindrical	1	NA	NA	NA	No	No	NA	NA	NA	Shaanxi Provincial Institute of Archaeology, 2003
Xi'an	繡 M44	Late Western Han	R4	Cylindrical	2	NA	NA	NA	No	No	NA	NA	NA	Shaanxi Provincial Institute of Archaeology, 2003
Xi'an	龙枣村 2020XSL tomb M111	Late Western Han		Cylindrical	5		M111:5	NA	Yes	Yes	Foxtail millet	NA	NA	This study
							M111:6	NA	Yes	Yes	Common millet	NA	NA	
							M111:7	NA	Yes	Yes	Foxtail millet	NA	NA	
							M111:8	NA	Yes	Yes	Foxtail millet	NA	NA	
Xianyang	金田玉村 Jintianyu tomb M16	Middle to Late Western Han		Cylindrical	8		M111:9	NA	Yes	Yes	Foxtail millet	NA	NA	This study
							M16:57	barley five thousand shi	Yes	Yes	Hemp and Triticeae	32	23	
							M16:58	huang foxtail millet five thousand shi	Yes	Yes	Common millet	25	19	

Location	Tomb	Period	Tomb owner ID	Granary form	Granary number	Granary ID	Ink inscription	Ink inscription translate	Whether report crops	Whether ID analysis	ID result	Height (cm)	Base diameter (cm)	Reference
						M16:59	黄黍粟五千石	yellow common millet and foxtail millet five thousand shi	Yes	Yes	Common millet	26	20	
								<i>chun</i> bean five thousand shi	Yes	Yes	NA	25	20	
								NA	Yes	Yes	Foxtail millet	NA	NA	
						M16:65	Faint traces	NA	Yes	Yes	NA	NA	NA	
						M16:67	NA	NA	Yes	Yes	NA	NA	NA	
						M16:69	NA	NA	Yes	Yes	NA	NA	NA	
						M16:92	马粟万石	horse foxtail millet ten thousand shi	Yes	Yes	Foxtail millet	28	23	

