The importance of stock herding and dairying in the Neolithic Balkans and the subsistence diversity

Supplementary Information 1: Organic residue results main table

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Table S1.1 Summary of the samples submitted for organic residue extraction and analyses, and the obtained results

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sample | Site | Vessel form | Part sampled | Lipid  concentration  (μg/g) | δ13C  (‰) | | Δ13C (‰)  (δ13C18:0 - δ13C16:0) | Animal fats | Additional assignment |
| C16:0 | C18:0 |
| VC01 | Vrbjanska Čuka | 310 | rim | 46 | -27.5 | -27.8 | -0.3 | ruminant adipose/ Mixture ruminant/non-ruminant | / |
| VC02 | Vrbjanska Čuka | 420 | rim | 12 | / | / | / | / | plant |
| VC03 | Vrbjanska Čuka | 420 | rim | / | / | / | / | / | / |
| VC04 | Vrbjanska Čuka | 440 | rim | / | / | / | / | / | / |
| VC05 | Vrbjanska Čuka | 310 | rim | / | / | / | / | / | / |
| VC06 | Vrbjanska Čuka | 430 | rim | / | / | / | / | / | / |
| VC07 | Vrbjanska Čuka | 330 | rim/body | / | / | / | / | / | / |
| VC08 | Vrbjanska Čuka | 220 | rim | / | / | / | / | / | / |
| VC09 | Vrbjanska Čuka | 320 | rim | 198 | -26.6 | -29.4 | -2.9 | ruminant adipose | plant |
| VC10 | Vrbjanska Čuka | 220 | rim/body | 23 | -26.1 | -28.4 | -2.3 | ruminant adipose | plant |
| VC11 | Vrbjanska Čuka | 210 | rim/body | / | / | / | / | / | / |
| VC12 | Vrbjanska Čuka | 440 | rim | / | / | / | / | / | / |
| VC13 | Vrbjanska Čuka | 330 | rim/neck | / | / | / | / | / | / |
| VC14 | Vrbjanska Čuka | N/A | base/body | / | / | / | / | / | / |
| VC15 | Vrbjanska Čuka | N/A | body | / | / | / | / | / | / |
| VC16 | Vrbjanska Čuka | 220 | rim | / | / | / | / | / | / |
| VC17 | Vrbjanska Čuka | 210 | rim | 8 | -26.5 | -26.8 | -0.3 | ruminant adipose/ Mixture ruminant/non-ruminant | / |
| VC18 | Vrbjanska Čuka | 320 | rim | / | / | / | / | / | / |
| VC19 | Vrbjanska Čuka | 440 | rim | 12 | -24.4 | -26.2 | -1.7 | ruminant adipose | / |
| VC20 | Vrbjanska Čuka | 430 | rim | / | / | / | / | / | / |
| VC21 | Vrbjanska Čuka | 220 | rim/body | / | / | / | / | / | / |
| VC22 | Vrbjanska Čuka | 330 | rim/body | / | / | / | / | / | / |
| VC23 | Vrbjanska Čuka | 210 | rim | / | / | / | / | / | / |
| VC24 | Vrbjanska Čuka | 210 | rim | 11 | / | / | / | / | / |
| VC25 | Vrbjanska Čuka | 400 | body/handle | / | / | / | / | / | / |
| VC26 | Vrbjanska Čuka | 330 | rim/body | 410 | -25.9 | -30.8 | -4.8 | dairy | / |
| VC27 | Vrbjanska Čuka | 330 | rim/body | / | / | / | / | / | / |
| ST28 | Starčevo Grad | N/A | body | / | / | / | / | / | / |
| ST29 | Starčevo Grad | N/A | body | 278 | -28 | -30.9 | -2.8 | ruminant adipose | / |
| ST30 | Starčevo Grad | 500 | leg/platform | / | / | / | / | / | / |
| ST31 | Starčevo Grad | N/A | body | not analysed | | | | | |
| ST32 | Starčevo Grad | 210 | rim | / | / | / | / | / | / |
| ST33 | Starčevo Grad | 430 | rim/body | / | / | / | / | / | / |
| ST34 | Starčevo Grad | 430 | rim/body | 10 | / | / | / | / | / |
| ST35 | Starčevo Grad | 220 | rim | 15 | -28 | -28.2 | -0.2 | ruminant adipose/ Mixture ruminant/non-ruminant | / |
| ST36 | Starčevo Grad | 400 | rim/body | 26 | / | / | / | / | / |
| ST37 | Starčevo Grad | 420 | rim | / | / | / | / | / | / |
| ST38 | Starčevo Grad | 210 | rim | / | / | / | / | / | / |
| ST39 | Starčevo Grad | 430 | rim | / | / | / | / | / | / |
| ST40 | Starčevo Grad | 200 | base/body | / | / | / | / | / | / |
| ST41 | Starčevo Grad | 430 | rim/body | 8 | -26.5 | -31.8 | -5.4 | dairy | / |
| ST42 | Starčevo Grad | 420 | rim/body | 5 | -27.8 | -31.7 | -3.9 | dairy | / |
| ST43 | Starčevo Grad | 220 | rim | 23 | -27 | -30.7 | -3.7 | dairy | / |
| ST44 | Starčevo Grad | 410 | rim/body | 58 | -27.7 | -32.8 | -5.1 | dairy | / |
| ST45 | Starčevo Grad | 210 | rim/body | / | / | / | / | / | / |
| ST46 | Starčevo Grad | 210 | rim/body | / | / | / | / | / | / |
| ST47 | Starčevo Grad | 430 | rim | / | / | / | / | / | / |
| ST48 | Starčevo Grad | 210 | rim | / | / | / | / | / | / |
| ST49 | Starčevo Grad | 430 | rim/body | / | / | / | / | / | / |
| ST50 | Starčevo Grad | 420 | rim/body | / | / | / | / | / | / |
| ST51 | Starčevo Grad | 210 | rim/body | / | / | / | / | / | / |
| ST52 | Starčevo Grad | 410 | rim | / | / | / | / | / | / |
| ST53 | Starčevo Grad | 220 | rim | / | / | / | / | / | / |
| ST54 | Starčevo Grad | 210 | rim | 138 | -27.6 | -31.3 | -3.7 | dairy\* | beeswax |
| ST55 | Starčevo Grad | N/A | body | 120 | -25.9 | -31.2 | -5.4 | dairy\* | beeswax |
| ST56 | Starčevo Grad | 320 | rim | 751 | -25.8 | -26.6 | -0.8 | ruminant adipose/ Mixture ruminant/non-ruminant | / |
| ST57 | Starčevo Grad | 430 | rim/body | 67 | -28.7 | -31.3 | -2.6 | ruminant adipose | / |
| ST58 | Starčevo Grad | 220 | rim | / | / | / | / | / | / |
| ST59 | Starčevo Grad | 410 | rim | / | / | / | / | / | / |
| ST60 | Starčevo Grad | N/A | body | 53 | -27.5 | -29.5 | -2 | ruminant adipose | / |
| ST61 | Starčevo Grad | 320 | rim | / | / | / | / | / | / |
| ST62 | Starčevo Grad | N/A | body | / | / | / | / | / | / |
| ST63 | Starčevo Grad | N/A | body | / | / | / | / | / | / |
| ST64 | Starčevo Grad | 420 | rim/body | / | / | / | / | / | / |
| ST65 | Starčevo Grad | 420 | rim/body | / | / | / | / | / | / |
| ST66 | Starčevo Grad | 220 | rim | / | / | / | / | / | / |
| ST67 | Starčevo Grad | 410 | rim | / | / | / | / | / | / |
| ST68 | Starčevo Grad | 220 | rim | / | / | / | / | / | / |
| ST69 | Starčevo Grad | 220 | rim | / | / | / | / | / | / |
| ST70 | Starčevo Grad | N/A | rim | 501 | -28.6 | -33.2 | -4.6 | dairy | / |
| ST71 | Starčevo Grad | 220 | rim | / | / | / | / | / | / |
| ST72 | Starčevo Grad | 310 | rim | / | / | / | / | / | / |
| ST73 | Starčevo Grad | 210 | rim/body | 14 | / | / | / | / | plant |
| ST74 | Starčevo Grad | 220 | rim | / | / | / | / | / | / |
| ST75 | Starčevo Grad | 430 | rim | 6 | -26.5 | -31.7 | -5.2 | dairy | / |
| ST76 | Starčevo Grad | 430 | rim/body | 92 | -28 | -32.7 | -4.7 | dairy | / |
| ST77 | Starčevo Grad | 420 | rim/body | 18 | -27.1 | -29.4 | -2.4 | ruminant adipose | / |
| ST78 | Starčevo Grad | N/A | body | 258 | -28.4 | -31.5 | -3.1 | ruminant adipose | / |
| ST79 | Starčevo Grad | N/A | base/body | / | / | / | / | / | / |
| ST80 | Starčevo Grad | N/A | body | / | / | / | / | / | / |
| ST81 | Starčevo Grad | 310 | rim | / | / | / | / | / | / |
| ST82 | Starčevo Grad | 330 | rim | 209 | -26.3 | -31.3 | -5 | dairy\* | beeswax |
| ST83 | Starčevo Grad | 220 | rim | 10 | -27.5 | -31.6 | -4 | dairy | plant |
| ST84 | Starčevo Grad | 220 | rim | / | / | / | / | / | / |
| ST85 | Starčevo Grad | 430 | rim/body | / | / | / | / | / | / |
| ST86 | Starčevo Grad | 430 | rim/body | 8 | -27.6 | -33.3 | -5.6 | dairy | / |
| ST87 | Starčevo Grad | 210 | rim/body | 9 | -32.6 | -33 | -0.4 | ruminant adipose/ Mixture ruminant/non-ruminant | / |
| ST88 | Starčevo Grad | 420 | rim/body | 20 | -27.5 | -30.7 | -3.3 | dairy | / |
| ST89 | Starčevo Grad | 210 | rim/body | / | / | / | / | / | / |
| ST90 | Starčevo Grad | 320 | rim | 160 | / | / | / | / | beeswax |
| ST91 | Starčevo Grad | 430 | rim/body | / | / | / | / | / | / |
| ST92 | Starčevo Grad | 310 | rim | / | / | / | / | / | / |
| ST93 | Starčevo Grad | 210 | rim/body | / | / | / | / | / | / |
| ST94 | Starčevo Grad | 330 | rim/body | / | / | / | / | / | / |
| ST95 | Starčevo Grad | 310 | rim/body | / | / | / | / | / | / |
| ST96 | Starčevo Grad | 310 | rim/body | / | / | / | / | / | / |
| ST97 | Starčevo Grad | 220 | rim | / | / | / | / | / | / |
| ST98 | Starčevo Grad | 420 | rim/body | 171 | -29.9 | -31.5 | -1.7 | ruminant adipose | / |
| ST99 | Starčevo Grad | 440 | rim/body | 40 | -27.8 | -30.8 | -3 | ruminant adipose | / |
| ST100 | Starčevo Grad | 430 | rim/body | 115 | -28.9 | -31.5 | -2.7 | ruminant adipose | / |
| ST101 | Starčevo Grad | 220 | rim | / | / | / | / | / | / |
| ST102 | Starčevo Grad | N/A | refitted to ST93 | | | | | | |
| ST103 | Starčevo Grad | N/A | refitted to ST93 | | | | | | |
| ST104 | Starčevo Grad | N/A | body | / | / | / | / | / | / |
| ST105 | Starčevo Grad | 310 | rim | / | / | / | / | / | / |
| ST106 | Starčevo Grad | 420 | neck | / | / | / | / | / | / |
| ST107 | Starčevo Grad | 420 | rim/body | / | / | / | / | / | / |
| ST108 | Starčevo Grad | 420 | rim/body | / | / | / | / | / | / |
| ST109 | Starčevo Grad | 220 | rim/body | 14 | -27.8 | -32 | -4.1 | dairy | / |
| ST110 | Starčevo Grad | 430 | rim | / | / | / | / | / | / |
| ST111 | Starčevo Grad | 430 | rim/body | / | / | / | / | / | / |
| ST112 | Starčevo Grad | 320 | rim/body | / | / | / | / | / | / |
| ST113 | Starčevo Grad | 210 | rim | / | / | / | / | / | / |
| ST114 | Starčevo Grad | 220 | rim | / | / | / | / | / | / |
| ST115 | Starčevo Grad | 430 | rim | / | / | / | / | / | / |
| ST116 | Starčevo Grad | 430 | rim/body | / | / | / | / | / | / |
| ST117 | Starčevo Grad | 230 | rim/body | / | / | / | / | / | / |
| ST118 | Starčevo Grad | N/A | body | 1920 | -27.2 | -33 | -5.7 | dairy | / |
| ST119 | Starčevo Grad | 210 | rim/body | / | / | / | / | / | / |
| ST120 | Starčevo Grad | 420 | rim/body | 16 | -27 | -28.1 | -1.1 | ruminant adipose | / |
| ST121 | Starčevo Grad | 430 | rim/body | 348 | -27.1 | -28.5 | -1.4 | ruminant adipose | / |
| ST122 | Starčevo Grad | 210 | rim/body | / | / | / | / | / | / |
| ST123 | Starčevo Grad | N/A | body | / | / | / | / | / | / |
| MM124 | Magareći Mlin | 500 | rim | / | / | / | / | / | / |
| MM125 | Magareći Mlin | 500 | rim/leg | / | / | / | / | / | / |
| MM126 | Magareći Mlin | 500 | platform/leg | / | / | / | / | / | / |
| MM127 | Magareći Mlin | 440 | rim/neck | / | / | / | / | / | / |
| MM128 | Magareći Mlin | 430 | rim/neck | / | / | / | / | / | / |
| MM129 | Magareći Mlin | N/A | rim | / | / | / | / | / | / |
| MM130 | Magareći Mlin | 210 | rim/body | / | / | / | / | / | / |
| MM131 | Magareći Mlin | 220 | rim/body | / | / | / | / | / | / |
| MM132 | Magareći Mlin | 220 | rim/body | 78 | -27.9 | -32.7 | -4.8 | dairy | / |
| MM133 | Magareći Mlin | 310 | rim/body | 296 | -26.4 | -30.5 | -4.1 | dairy | / |
| MM134 | Magareći Mlin | 430 | rim/neck | 29 | -26.6 | -32.5 | -5.9 | dairy | / |
| MM135 | Magareći Mlin | N/A | body | / | / | / | / | / | / |
| MM136 | Magareći Mlin | N/A | body | / | / | / | / | / | / |
| MM137 | Magareći Mlin | 430 | rim | / | / | / | / | / | / |
| MM138 | Magareći Mlin | 210 | rim/body | / | / | / | / | / | / |
| MM139 | Magareći Mlin | 420 | rim/body | / | / | / | / | / | / |
| MM140 | Magareći Mlin | 310 | rim/body | 46 | -27.5 | -32.3 | -4.8 | dairy | / |
| MM141 | Magareći Mlin | 220 | rim/body | / | / | / | / | / | / |
| MM142 | Magareći Mlin | 210 | rim/body | 107 | -26.1 | -31.3 | -5.2 | dairy\* | beeswax |
| MM143 | Magareći Mlin | 210 | rim/body | / | / | / | / | / | / |
| MM144 | Magareći Mlin | 220 | rim | / | / | / | / | / | / |
| MM145 | Magareći Mlin | 420 | rim/body | 31 | -28 | -30.7 | -2.7 | ruminant adipose | / |
| MM146 | Magareći Mlin | 310 | rim/body | / | / | / | / | / | / |
| MM147 | Magareći Mlin | 430 | rim/body | / | / | / | / | / | / |
| MM148 | Magareći Mlin | 220 | rim/body | / | / | / | / | / | / |
| MM149 | Magareći Mlin | 310 | rim/body | 112 | / | / | / | / | beeswax |
| MM150 | Magareći Mlin | 330 | rim/body | / | / | / | / | / | / |
| MM151 | Magareći Mlin | 420 | rim/body | / | / | / | / | / | / |
| MM152 | Magareći Mlin | N/A | body | / | / | / | / | / | / |
| MM153 | Magareći Mlin | 310 | rim | / | / | / | / | / | / |
| MM154 | Magareći Mlin | 210 | rim | / | / | / | / | / | / |
| MM155 | Magareći Mlin | 310 | rim | / | / | / | / | / | / |
| MM156 | Magareći Mlin | N/A | rim/body | / | / | / | / | / | / |
| MM157 | Magareći Mlin | 320 | rim | / | / | / | / | / | / |
| MM158 | Magareći Mlin | 420 | rim/body | / | / | / | / | / | / |
| MM159 | Magareći Mlin | 210 | rim/body | 26 | / | / | / | / | / |
| MM160 | Magareći Mlin | 220 | rim/body | 51 | -26.9 | -32.4 | -5.4 | dairy | / |
| MM161 | Magareći Mlin | 210 | rim/body | / | / | / | / | / | / |
| MM162 | Magareći Mlin | 420 | rim/body | / | / | / | / | / | / |
| MM163 | Magareći Mlin | 440 | rim/body | / | / | / | / | / | / |
| MM164 | Magareći Mlin | 210 | rim | / | / | / | / | / | / |
| MM165 | Magareći Mlin | 430 | rim/body | 53 | -25.8 | -28.1 | -2.3 | ruminant adipose | / |
| MM166 | Magareći Mlin | 430 | rim/body | / | / | / | / | / | / |
| MM167 | Magareći Mlin | 210 | rim/body | / | / | / | / | / | / |
| MM168 | Magareći Mlin | 210 | rim/body | / | / | / | / | / | / |
| MM169 | Magareći Mlin | N/A | body | / | / | / | / | / | / |
| MM170 | Magareći Mlin | 210 | rim/body | / | / | / | / | / | / |
| MM171 | Magareći Mlin | 210 | rim/body | / | / | / | / | / | / |
| MM172 | Magareći Mlin | 310 | rim | / | / | / | / | / | / |
| MM173 | Magareći Mlin | 330 | rim/body | / | / | / | / | / | / |
| MM174 | Magareći Mlin | N/A | base/body | / | / | / | / | / | / |
| MM175 | Magareći Mlin | 420 | rim/body | / | / | / | / | / | / |
| MM176 | Magareći Mlin | 310 | rim | / | / | / | / | / | / |
| MM177 | Magareći Mlin | 420 | rim/body | / | / | / | / | / | / |
| MM178 | Magareći Mlin | 210 | rim/body | / | / | / | / | / | / |
| MM179 | Magareći Mlin | 310 | rim/body | 56 | -28.1 | -30.7 | -2.6 | ruminant adipose | / |
| MM180 | Magareći Mlin | 330 | rim/body | / | / | / | / | / | / |
| MM181 | Magareći Mlin | 310 | rim/body | / | / | / | / | / | / |
| MM182 | Magareći Mlin | 320 | rim/body | 42 | -25.4 | -29.9 | -4.5 | dairy | / |
| MM183 | Magareći Mlin | 310 | rim/body | / | / | / | / | / | / |
| MM184 | Magareći Mlin | 420 | rim/neck | / | / | / | / | / | / |
| MM185 | Magareći Mlin | 210 | rim | 19 | -24.7 | -25 | -0.3 | ruminant adipose/ Mixture ruminant/non-ruminant | / |
| MM186 | Magareći Mlin | 420 | rim | / | / | / | / | / | / |
| MM187 | Magareći Mlin | 420 | rim/body | / | / | / | / | / | / |
| MM188 | Magareći Mlin | 430 | rim/neck | 84 | -27.3 | -33.7 | -6.5 | dairy | / |
| MM189 | Magareći Mlin | 310 | rim | / | / | / | / | / | / |
| MM190 | Magareći Mlin | 310 | rim | / | / | / | / | / | / |
| MM191 | Magareći Mlin | 430 | rim/neck | / | / | / | / | / | / |
| MM192 | Magareći Mlin | 430 | rim/body | / | / | / | / | / | / |
| MM193 | Magareći Mlin | 210 | rim | / | / | / | / | / | / |
| MM194 | Magareći Mlin | 430 | rim/body | / | / | / | / | / | / |
| MM195 | Magareći Mlin | 420 | rim/body | / | / | / | / | / | / |
| MM196 | Magareći Mlin | 330 | rim/body | / | / | / | / | / | / |
| MM197 | Magareći Mlin | N/A | body | / | / | / | / | / | / |
| MM198 | Magareći Mlin | 230 | rim/body | 157 | -28.7 | -30.8 | -2.1 | ruminant adipose | / |
| MM199 | Magareći Mlin | 210 | rim/body | 21 | -27.7 | -32.7 | -4.9 | dairy | / |
| RG200 | Rutonjina Greda | 210 | rim/body | / | / | / | / | / | / |
| RG201 | Rutonjina Greda | N/A | base/body | / | / | / | / | / | / |
| RG202 | Rutonjina Greda | 210 | rim/body | / | / | / | / | / | / |
| RG203 | Rutonjina Greda | 220 | rim/body | / | / | / | / | / | / |
| RG204 | Rutonjina Greda | 210 | rim/body | / | / | / | / | / | / |
| RG205 | Rutonjina Greda | 320 | rim/body | / | / | / | / | / | / |
| RG206 | Rutonjina Greda | 410 | rim/body | / | / | / | / | / | / |
| RG207 | Rutonjina Greda | 210 | rim/body | 22 | -26.9 | -30.3 | -3.5 | dairy | / |
| RG208 | Rutonjina Greda | 210 | rim | / | / | / | / | / | / |
| RG209 | Rutonjina Greda | 420 | rim | / | / | / | / | / | / |
| RG210 | Rutonjina Greda | 210 | rim | / | / | / | / | / | / |
| RG211 | Rutonjina Greda | 220 | rim/body | / | / | / | / | / | / |
| RG212 | Rutonjina Greda | 420 | rim/body | / | / | / | / | / | / |
| RG213 | Rutonjina Greda | 440 | rim/body | / | / | / | / | / | / |
| RG214 | Rutonjina Greda | 220 | rim/body | / | / | / | / | / | / |
| RG215 | Rutonjina Greda | 210 | rim/body | 138 | -26.8 | -31.4 | -4.6 | dairy | / |
| RG216 | Rutonjina Greda | 310 | rim | 28 | -29.9 | -32.6 | -2.7 | ruminant adipose | / |

\* not included in Figure 3