

Table 1. Isotope data and collagen quality indicators for the discrete burials and mass grave individuals from London Road. Carbon and nitrogen isotope data given for teeth is from dentinal collagen.

	Sex	Age (years)	Element	$\delta^{13}\text{C}$	$\delta^{51}\text{N}$	%C	%N	C/N	%coll.	$^{87}\text{Sr}/^{86}\text{Sr}$	Sr/ppm	$\delta^{81}\text{O}_p$	$\pm 2\sigma$	$\delta^{81}\text{O}_{dw}$	$\pm 2\sigma$
<i>Discrete Burials</i>															
GLR1103	F	26-35	M3	-20.1	12.2	42.8	15.4	3.2	11.6	0.70944	114	18.4	0.3	-5.1	0.5
			bone	-19.9	11.8	38.4	13.8	3.3	2.6	--	--	--	--	--	--
GLR1114	?	26-35	bone	-19.9	11.0	41.4	14.6	3.3	2.1	--	--	--	--	--	--
GLR1127	?M	18-25	M3	-20.0	10.4	42.6	15.2	3.3	5.1	0.70967	121	17.2	0.3	-7.8	0.6
			bone	-18.8	10.3	37.4	13.4	3.3	4.1	--	--	--	--	--	--
GLR1131	F	18-25	M3	-19.3	12.6	43.0	15.4	3.3	12.2	0.71143	133	17.1	0.3	-8.1	0.6
GRL1153	?M	18-25	bone	-19.7	11.1	42.1	15.0	3.3	2.3	--	--	--	--	--	--
GLR1181	F	26-35	M2	-20.1	10.8	41.3	14.9	3.2	10.2	0.71057	76	17.6	0.3	-6.9	0.7
			bone	-20.4	10.8	40.8	14.5	3.3	0.8	--	--	--	--	--	--
GLR1216	M	36-45	M3	-19.2	10.9	41.9	15.1	3.2	7.1	0.70941	93	19.2	0.3	-3.5	0.7
			Dentine	--	--	--	--	--	--	0.70931	98	--	--	--	--
			bone	-18.8	11.3	40.7	14.6	3.3	2.1	--	--	--	--	--	--
GLR1238	?M	36-45	M3	-20.3	10.7	43.0	14.9	3.4	6.7	0.70891	52	17.1	0.1	-7.9	0.2
GLR1281	?	adult	bone	-19.8	11.1	37.6	13.3	3.3	5.9	--	--	--	--	--	--
GLR1328	M	26-35	M3	-19.5	12.0	42.5	15.3	3.2	6.6	0.71056	57	18.0	0.3	-6.1	0.6
			bone	-19.6	12.5	33.1	11.4	3.4	5.3	--	--	--	--	--	--
GLR1340	?	46+	M2	-20.1	10.3	41.6	15.0	3.2	6.4	0.70958	104	17.9	0.3	-6.3	0.7
GLR1360	F	18-25	M2	-19.2	9.9	43.1	15.7	3.2	11.8	0.70900	133	19.0	0.4	-3.9	0.8
GLR1364	?F	18-25	M3	-20.3	12.0	42.5	15.3	3.2	8.4	0.71138	104	18.2	0.2	-5.6	0.4
GLR1381	?	18-25	bone	-19.6	10.8	21.7	7.5	3.4	3.5	--	--	--	--	--	--
<i>Mass Burial</i>															
GLR1518	M?	26-35	M2	-20.1	10.2	42.5	15.5	3.2	6.8	0.71298	72	17.9	0.3	-6.3	0.7
GLR1520	F	18-25	M3	-19.5	12.2	42.4	15.3	3.2	7.3	0.70971	130	18.6	0.1	-4.7	0.3
GLR1539	F	26-35	M3	-20.3	10.7	42.9	15.4	3.3	6.4	0.70878	66	17.5	0.1	-7.2	0.2
GLR1541	M	18-25	M3	-20.3	8.8	42.3	15.2	3.2	5.1	0.71217	51	17.1	0.2	-8.1	0.4
GLR1544	M	26-35	M3	-20.3	11.9	42.6	15.3	3.3	7.1	0.70994	102	18.2	0.2	-5.7	0.4

GLR1546	?	36-45	M3	-18.8	11.9	42.1	15.1	3.3	5.0	0.71086	177	19.1	0.1	-3.8	0.3
GLR1553	M	26-35	M3	-20.1	12.6	42.6	15.5	3.2	7.6	0.70924	84	17.4	0.4	-7.3	0.9
GLR1560	F	18-25	M3	-18.9	12.3	42.4	15.4	3.2	6.2	0.70946	114	18.7	0.4	-4.5	0.9
			Dentine	--	--	--	--	--	--	0.70921	349	--	--	--	--
GLR1561	M	18-25	M3	--	--	--	--	--	<0.5	0.71344	67	18.7	0.2	-4.5	0.5
GLR1565	F	18-25	M2	-19.0	11.7	42.8	15.5	3.2	6.7	0.70975	104	19.0	0.3	-3.9	0.6
GLR1577	?M	26-35	bone	-19.3	11.1	40.0	14.4	3.3	11.9	--	--	--	--	--	--
GLR1594	?	adult	bone	-20.5	10.2	37.3	12.5	3.5	1.5	--	--	--	--	--	--
GLR1596	F	26-35	M2	-19.7	11.3	42.8	15.7	3.2	10.1	0.70904	105	17.7	0.3	-6.7	0.6

Table 2. Location, vegetation type, geology and $^{87}\text{Sr}/^{86}\text{Sr}$ values for bio-accessible Sr from vegetation (¹ glacial head deposits in the vicinity, but not dominating the sampling area).

Geological period	Sample	Latitude	Longitude	Vegetation type	Superficial deposits	Bedrock geology	$^{87}\text{Sr}/^{86}\text{Sr}$ ratio
PROTEROZOIC							
Precambrian							
	G-V-026	52.03020	-2.35129	Herbs		Hornblend Gneiss	0.71622
PALAEOZOIC							
Lower Cambrian							
	G-V-025	52.03065	-2.35332	Herbs		Sandstone	0.71038
	G-V-027	52.03129	-2.35517	Grass & Herbs		Sandstone	0.71202
	G-V-028	52.02890	-2.35497	Grass & Herbs		Sandstone	0.71352
	G-V-029	52.02779	-2.35856	Bramble	Head ¹	Sandstone	0.71201
Lower Ordovician							
	G-V-030	52.02739	-2.36220	Herbs	Head	Mudstone	0.71508
Lower Silurian							
	G-V-031	52.02799	-2.37398	Grass	Head ¹	Sandstone	0.71292
	G-V-032	52.04640	-2.40285	Grass		Siltstone + Mudstone	0.71010
	G-V-033	52.02395	-2.43141	Grass		Siltstone + Mudstone	0.71206
Early Devonian							
	G-V-015	51.82224	-2.46547	Grass & Herbs		Sandstone/mudstone	0.71133
	G-V-016	51.81370	-2.47524	Grass & Herbs		Sandstone/Mudstone	0.71293
Upper Carboniferous							
	G-V-017	51.83878	-2.54159	Herbs		Sandstone	0.71285
	G-V-018	51.80259	-2.62067	Grass & Herbs		Sandstone	0.71185
MESOZOIC							
Early Permian							
	G-V-034	51.99873	-2.38201	Grass & Herbs		Sandstone	0.71060
Late Triassic							
	G-V-023	52.00281	-2.22317	Grass	Head ¹	Mudstone	0.71546
	G-V-024	52.02729	-2.32340	Grass	Head ¹	Mudstone	0.71418
	G-V-035	51.98775	-2.36629	Grass		Sandstone	0.71163
	G-V-013	51.86250	-2.35389	Grass & herbs	Tidal flat	Mudstone	0.70979
Early Jurassic							
	G-V-009	51.76471	-2.21472	Grass & Herbs	Landslip	Limestone Mudstone	0.70982
	G-V-010	51.79165	-2.22313	Grass & Herbs	Landslip	Limestone Mudstone	0.70901
	G-V-021	51.92102	-2.14143	Grass & Herbs	Alluvium	Mudstone	0.70936
	G-V-022	51.90726	-2.14167	Grass & Herbs		Mudstone	0.70923

	G-V-001	51.85597	-2.13270	Herbs	River terrace	Mudstone	0.70925
	G-V-002	51.85981	-2.12531	Grass & Herbs	River terrace	Mudstone	0.70916
	G-V-011	51.80265	-2.24166	Grass & Herbs		Mudstone	0.71099
	G-V-012	51.86084	-2.25038	Grass & Herbs	Tidal flat	Mudstone	0.70952
	G-V-014	51.79634	-2.37385	Grass & Herbs	Tidal flat	Mudstone	0.70934
	G-V-020	51.90494	-2.15949	Grass & Herbs		Mudstone Limestone	0.70902
	G-V-006	51.78573	-2.05608	Herbs & Grass		Limestone	0.70817
	G-V-008	51.76160	-2.15329	Grass & Herbs		Sandstone	0.71132
	G-V-003	51.84497	-2.07768	Herbs		Oolitic Limestone	0.70792
	G-V-004	51.83532	-2.10376	Grass & Herbs	Landslip	Oolitic Limestone	0.70800
	G-V-005	51.81699	-2.08156	Herbs & Grass		Oolitic Limestone	0.70767
	G-V-007	51.78592	-2.11550	Grass & Herbs		Oolitic Limestone	0.70832

Table 3. Carbon and nitrogen stable isotope data and bone collagen quality indicators for London Road faunal remains.

Sample	Species	$\delta^{13}\text{C}$	$\delta^{15}\text{N}$	%C	%N	C/N	%Coll
GLR-F1	cattle	-22	6.6	30.7	11	3.3	7.7
GLR-F2	cattle	-21.7	6.2	41.5	14.8	3.3	3.5
GLR-F3	cattle	-21.7	7.1	38.4	13.8	3.2	4.5
GLR-F4	cattle	-21.2	6.6	30.3	10.9	3.3	4.2
GLR-F10	sheep/goat	-21.4	5.4	42.3	15	3.3	2.9
GLR-F5	domestic fowl	-20.7	8.8	30	10.5	3.3	5.2
GLR-F6	horse	-22.3	7.2	27.5	10	3.2	5.0
GLR-F7	horse	-21.7	4.7	34.7	12.2	3.3	5.9
GLR-F8	pig	-21.4	5.5	20.8	7.2	3.4	1.2