

TABLE S2 The locality list with age correlation and mean hypsodonty values used for hypsodonty map in Figure 3

NAME	MN-unit	Latitude	Longitude	Number of hypsodonty records	Mean Hypsodonty
Achldorf	MN09	48.43	12.36	3	1
Akin	MN09	38.4	30.32	5	1.8
Alkcaköy (1-6)	MN09	38.57	29.1	12	1.4167
Arapli (Igdebaglar)	MN09	40.65	27.14	3	1.6667
Atavaska	MN09	47	28.8	6	1.3333
Aveiras de Baixo	MN09	39.11	-8.86	2	1
Azambujeira inf.	MN09	39.26	-8.78	3	1
Ballestar	MN09	40.4	0.11	11	1.1818
Bermersheim	MN09	49.77	8.09	4	1
Bonnefont	MN09	43.25	0.35	3	1
Breitenbrunn	MN09	49	11.6	3	1
Breitenfeld	MN09	47.16	15.5	2	1
Buzhor 1	MN09	46.56	28.16	7	1.5714
Buzhor 2	MN09	44.56	28.16	4	1.5

Can Missert	MN09	41.2	0.5	4	1
Can Ponsic	MN09	41.2	0.7	10	1
Can Ponsic I	MN09	41.53	2.07	19	1.1579
Charmoille	MN09	47.43	7.21	13	1.2308
Das	MN09	42.35	1.86	4	1
Dinotheriensande	MN09	49	8	5	1
Doué-la-Fontaine	MN09	47.2	-0.3	3	1
Edeleny	MN09	48.33	20.75	2	1
El Firal	MN09	42.36	1.45	13	1.2308
Eldari I	MN09	41.3	45.7	14	1.4286
Eppelsheim	MN09	49.72	8.97	21	1.1905
Eskisubasi 2	MN09	40.3	26.71	2	2.5
Esme Akçaköy	MN09	38.4	28.96	9	1.2222
Esselborn	MN09	49.7	8.1	11	1.0909
Esvres - Upper Faluns	MN09	47.3	0.8	6	1.3333
Gaiselberg	MN09	48.53	16.71	5	1.4
Gau-Weinheim	MN09	49.84	8.04	6	1.1667
Giggenhausen	MN09	48.22	11.39	2	1
Götzendorf	MN09	48	16.58	6	1.3333

Grakali	MN09	41.93	44.3	2	2
Grosslappen (Flinz)	MN09	48.2	11.6	2	1
Hammerschmiede	MN09	47.9	10.61	3	1
Himberg	MN09	48.1	16.5	2	1
Hinterauerbach	MN09	48.4	12.01	3	1
Hostalets de Pierola Superior	MN09	41.2	0.5	10	1.2
Höwenegg	MN09	47.7	8.7	5	1.4
Inönu 2	MN09	40.22	32.59	3	2
Inzersdorf	MN09	48.13	16.33	2	2
Isakovo	MN09	47.22	28.43	5	1.6
Kalfa	MN09	46.54	29.23	11	1.1818
Kishinev	MN09	47	28.85	2	2
Laaerberg	MN09	48.16	16.4	3	1.6667
Lapushna	MN09	46.9	28.5	3	1
Los Valles de Fuentidueña	MN09	41	-4.2	9	1.2222
Mariathal	MN09	48.6	16.1	2	2
Masia de la Roma 2	MN09	40.5	-1	2	2
Massenhausen	MN09	48.4	11.8	12	1

Melchingen	MN09	48.36	9.15	3	1.3333
Middle Sinap	MN09	40.56	32.7	8	1.375
Mistelbach	MN09	48.6	16.5	3	1
München	MN09	48.2	11.5	2	1
Natlismtsemeli I	MN09	41.31	45.21	4	2
Nebelbergweg	MN09	47.38	7.63	2	1
Nikolsburg	MN09	48.8	16.63	2	1.5
Nombrevilla	MN09	41.07	-1.21	10	1.2
Oberföhring	MN09	48.1	11.38	2	1
Oberhollabrunn	MN09	48.55	16.06	3	1
Pedregueras 2A	MN09	38.48	0.02	2	3
Pentalophos 1 (PNT)	MN09	41	23	11	1.6364
Priay II	MN09	46	5.3	3	1
Rudabánya	MN09	48.71	20.63	18	1.2222
Salmendingen	MN09	48.35	9.1	3	1.3333
Santiga	MN09	41.2	0.5	10	1.2
Seu d'Urgel	MN09	42.3	1.6	2	1
Sinap 108	MN09	40.54	32.7	6	2.3333
Sinap 114	MN09	40.55	32.71	2	2

Sinap 14	MN09	40.53	32.62	2	2.5
Sinap 4	MN09	40.55	32.69	6	1.5
Sinap 40	MN09	40.56	32.7	2	2
Sinap 45	MN09	40.53	32.66	3	1.6667
Sinap 51	MN09	40.56	32.7	5	1.6
Sinap 64	MN09	40.56	32.7	2	2
Sinap 72	MN09	40.56	32.7	7	2
Sinap 88	MN09	40.56	32.7	2	3
Sinap 8A	MN09	40.54	32.7	2	2
Sinap 8B	MN09	40.54	32.7	4	2.5
Sinap 91	MN09	40.55	32.71	6	2
Sinap 94	MN09	40.55	32.69	6	1.5
Subsol de Sabadell	MN09	41.33	2.07	10	1.3
Sümeg	MN09	47	17.3	2	3
Tasocagi mevkii	MN09	40.1	26.23	2	2
Trie-sur-Baïse	MN09	43.33	0.36	3	1
Varnitsa	MN09	47.2	28.9	7	1.5714
Vösendorf	MN09	48.1	16.31	7	1.2857
Wartenberg	MN09	48.4	11.98	9	1.1111

Westhofen	MN09	49.55	8.25	6	1
Wien 10	MN09	48.2	16.4	2	1
Wien 12	MN09	48.2	16.3	2	1
Wien 3	MN09	48.2	16.4	2	1
Wien-Belvedere	MN09	48.2	16.4	3	1
Wissberg	MN09	49.85	8.02	17	1
Zheltokamenka	MN09	45.26	33.45	6	1.5
Zistersdorf	MN09	48.5	16.7	2	1
Berislav	MN10	46.83	33.42	3	1.3333
Can Llobateres I	MN10	41.2	0.7	22	1.2273
Can Purull	MN10	41.55	1.97	13	1.3077
Can Trull+s	MN10	41.55	1.96	2	1.5
Croix-Rousse	MN10	45.78	4.83	2	1
Grossulovo	MN10	47.35	30	4	1.75
Gülpinar	MN10	39.53	26.11	14	1.8571
Harmancik	MN10	39.71	29.2	3	2.6667
Incirlikdere	MN10	40.09	26.21	3	2
La Cantera	MN10	40.06	-1.01	4	1.5
La Roma 2	MN10	40.66	-1.01	10	1.6

La Tarumba I	MN10	41.55	1.97	10	1.3
Mahmutlu	MN10	39.44	34.52	4	1.5
Masia del Barbo	MN10	40.4	-1.1	5	1.6
Masia del Barbo 2	MN10	40.66	0.83	5	1.6
Masia del Barbo 2B	MN10	40.66	-1.16	5	1.6
Montredon	MN10	44.4	3.36	10	1.6
Novoukrainka	MN10	48.3	31.5	3	1.6667
Orignac	MN10	43.11	0.16	3	1.3333
Poksheshty	MN10	47.24	28.68	8	1.875
Prottes	MN10	48.33	16.75	2	2
Ravin de la Pluie (RPL)	MN10	41	22.95	11	1.7273
Ravin des Zouaves 1	MN10	41	22.95	5	2.4
Respopeny	MN10	47.45	28.36	8	1.625
Sant Miquel de Taudell	MN10	41.55	1.98	11	1.2727
Sargi yeri	MN10	40.1	26.22	2	2
Schwechat	MN10	48.13	16.46	2	2
Selcik	MN10	38.44	30.29	3	2
Sinap 1	MN10	40.54	32.69	4	1
Sinap 12	MN10	40.56	32.7	14	1.9286

Sinap 46	MN10	40.53	32.64	2	3
Sinap 49	MN10	40.58	32.93	17	1.5882
Sinap 50	MN10	40.52	32.65	2	3
Sinap 58	MN10	40.54	32.63	2	2
Sinap 83	MN10	40.55	32.69	2	1
Soblay	MN10	45.1	5.5	5	1.6
Stratzing	MN10	48.45	15.6	3	1.6667
Terrassa	MN10	41.56	2	15	1.3333
Tokmacik	MN10	38.23	31.01	2	2.5
Udabno I	MN10	41.31	45.23	8	1.5
Udabno II	MN10	41.31	45.23	4	1.75
Xirochori 1 (XIR)	MN10	41	23	3	2
Yemliha	MN10	38.85	35.27	2	2.5
Yeniyaylacik	MN10	38.77	34.61	2	1
Yukseki	MN10	38.81	34.52	3	2
Yulafli (CY)	MN10	41.2	27.82	10	1.3
Akcayir (1,2,3)	MN11	39.74	30.4	2	2
Arkneti	MN11	42.13	43.51	2	1.5
Asagicigil 2	MN11	38.04	31.82	3	2.3333

Baccinello V0	MN11	42.7	11.1	2	2
Bala Yaylaköy	MN11	39.74	33.08	9	1.4444
Basbereket	MN11	40.07	32.38	3	2.3333
Cevril 1	MN11	38.93	35.46	3	1.6667
Cicekliköy	MN11	38.49	27.28	2	2.5
Corakyerler	MN11	40.6	33.63	9	1.8889
Crevillente 2	MN11	38.4	-0.5	10	1.3
Csakvar	MN11	47.4	18.5	10	1.7
Dadasun 1	MN11	38.81	35.55	4	2
Djebel Krechem el Artsouma	MN11	34	9	6	1.6667
Dorn Dürkheim 1	MN11	49.77	8.26	16	1.25
Eldari II & III	MN11	41.3	45.7	3	2.3333
Eminova	MN11	40.11	31.95	3	1.6667
Garkin	MN11	38.41	30.31	9	1.6667
Gökdere	MN11	39.83	30.68	2	2.5
Haliminhani 1	MN11	39.73	36.83	2	2.5
Haliminhani 4	MN11	39.73	36.83	3	1.6667
Injana	MN11	34.33	44.66	15	1.5333

Kalimanci 1	MN11	42.5	23.1	8	1.875
Karacahasan	MN11	39.86	33.24	9	1.8889
Karacay	MN11	40.2	34.27	3	1.6667
Kayadibi	MN11	37.21	30.8	12	1.4167
Kayadibi 3	MN11	37.59	32.26	3	1.6667
Kemiklitepe D	MN11	37.5	29	7	2
Kocherinovo 1	MN11	42	23.08	3	2
Kocherinovo 2	MN11	42.03	23.08	5	1.4
Küçükçekmece	MN11	40.98	28.76	11	1.4545
Kujalnitskij liman	MN11	46.5	30.8	6	2.1667
Lower Maragheh	MN11	38	46	8	2
Mancusun (Yesilyurt)	MN11	38.8	35.62	2	2
Musaköy	MN11	40.19	26.52	3	2
Nikiti 1 (NKT)	MN11	40	23.5	9	1.6667
Nikiti 2 (NIK)	MN11	40	23.5	7	1.8571
Novo-Elizavetovka 2	MN11	47	31	2	1.5
Olukbasi	MN11	37.66	28.47	2	2.5
Peralejos D	MN11	40.48	-1.03	2	2
Pichugino	MN11	47.97	33.4	2	1.5

Piera	MN11	41.2	0.5	9	1.3333
Puente Minero	MN11	40.36	-1.08	8	1.625
Pyrgos Vassilissis	MN11	38.01	23.73	8	1.625
Ravin des Zouaves 5	MN11	41	22.95	16	1.625
Rhodes	MN11	36.16	28	2	2.5
Sabuncubaglari 1	MN11	41.68	26.59	3	1.6667
Samos-Q6	MN11	37.75	26.97	5	2.2
Samos-Qx	MN11	37.75	26.97	2	1.5
Sarihasan	MN11	39.78	36.82	4	1.5
Servia	MN11	40.18	22	3	1.6667
Sinap 34	MN11	40.55	32.64	4	2.25
Sinap 63	MN11	40.63	32.65	4	2.5
Strumyani 1	MN11	42.83	23.08	2	1.5
Strumyani 2	MN11	42.83	23.1	3	1
Tanagra	MN11	38.31	23.53	3	2
Tiraspol (Kolkotova Balka)	MN11	46.83	29.6	5	1.8
Triada	MN11	38.5	23.5	3	2
Vivero de Pinos	MN11	40.33	-1.08	4	1.5
Yigitlerkoy 1 (Turbe Tepe)	MN11	39.29	34.97	2	2.5

Yigitlerkoy 2	MN11	39.31	34.99	2	2.5
Achladi	MN12	38.5	23.5	4	2.25
Achmet Aga	MN12	38.41	23.5	3	2.6667
Akgedik-Bayir	MN12	37.25	28.25	8	2.125
Akkasdagi	MN12	38.49	33.64	16	2.0625
Alifakas	MN12	39.5	22.5	3	2.3333
Aljezar B	MN12	40.33	-1.08	2	2
Ano Metochi	MN12	41	23.5	2	2.5
Asarintepe	MN12	40.19	32.5	2	3
Baccinello V1	MN12	42.7	11.1	5	2
Baccinello V2	MN12	42.7	11.1	6	1.5
Baltavar	MN12	47	17	11	1.5455
Batakcesme	MN12	41.75	26.58	2	2
Bayat 1	MN12	39.34	29.81	2	2.5
Belka	MN12	50.81	28.18	9	1.4444
Casa del Acero	MN12	38.1	-0.5	3	1.6667
Casteani	MN12	42.5	11.15	5	1.4
Cerro de la Garita	MN12	40.38	-1.08	13	1.2308
Chimishlija (Cimislija)	MN12	46.5	28.8	19	1.4737

Chobruchi (Tchobroutchi)	MN12	46.6	29.7	15	1.6667
Chomateres	MN12	38.08	23.88	10	1.5
Çobanpınar (Sinap 42)	MN12	40.21	32.53	10	1.8
Concud	MN12	40.4	-1.13	11	1.2727
Concud barranco	MN12	40.4	-1.01	6	1.5
Cöpköy	MN12	41.21	26.83	2	2
Crevillente 15	MN12	38.25	-0.8	8	1.375
Crevillente 16	MN12	38.23	-0.8	6	1.3333
Develiköy 1	MN12	38.68	27.65	2	2.5
Duzyayla	MN12	39.92	37.31	8	1.625
Ebic	MN12	38.8	35.65	2	1.5
Elekci	MN12	37.34	28.17	3	1.6667
Eski Bayirköy	MN12	37.26	28.26	4	2.25
Fiume Santo	MN12	40.8	8.3	5	1.6
Gelibolu Bayirköy	MN12	40.37	26.56	2	2.5
Gorna Susica	MN12	41.83	23.08	7	1.7143
Grebeniki	MN12	46.88	29.81	15	1.7333
Gura-Galben	MN12	46.42	28.42	9	1.5556
Hadjidimovo-1	MN12	41.5	23.83	20	1.5

Halmyropotamos (HAL)	MN12	38.5	24.2	13	1.5385
Kalimanci 2	MN12	42.5	23.1	10	1.7
Kalimanci 3	MN12	42.5	23.1	4	1.75
Kalimanci 4	MN12	42.5	23.1	3	2
Kalimantsi-Pehtsata	MN12	42.5	23.1	3	1.3333
Karain 2	MN12	38.58	34.98	2	2.5
Kavakdere (Turolian)	MN12	40.24	32.56	5	2
Kefraya	MN12	33.75	35.75	8	1.75
Keltepeler 2	MN12	40.18	26.26	2	1.5
Kemiklitepe 1,2	MN12	38.39	29.14	14	1.9286
Kemiklitepe A-B	MN12	37.5	29	10	2
Kerassia	MN12	38.5	23	2	1
Kerassia 1	MN12	38.5	23	9	1.7778
Kerassia 3	MN12	38.5	23	3	2
Kerassia 4	MN12	38.5	23	6	1.5
Kerassia 5	MN12	38.5	23	2	2
Kizilören	MN12	37.85	32.1	7	1.5714
Kromidovo 2	MN12	41.45	23.36	4	2
Las Pedrizas	MN12	36.83	-4.5	3	1.6667

Lassnitz	MN12	47.1	15.6	2	1
Los Aljezares	MN12	37.75	-0.85		
Los Mansuetos	MN12	40.35	-1.11	11	1.4545
M-U Maragheh	MN12	38	46	22	2.0455
Mahmutgazi	MN12	38.02	29.4	9	1.6667
Masada del Valle 2	MN12	40.38	-0.43	2	2
Monte Bamboli	MN12	43.2	10.7	4	1.5
Montemassi	MN12	42.9	11	2	2
Mt. Luberon	MN12	43.7	5.4	4	1.75
Mytilinii 1A	MN12	37.75	26.96	9	2.1111
Mytilinii 1B	MN12	37.75	26.96	8	2.25
Mytilinii 1C	MN12	37.75	26.96	3	1.6667
Mytilinii 3	MN12	37.75	26.96	4	2.25
Mytilinii 4	MN12	37.75	26.96	6	1.8333
Novaja Emetovka	MN12	46.65	30.6	11	1.7273
Novo-Elizavetovka	MN12	47	31	14	1.5
Özluce	MN12	37.24	28.52	3	2.6667
Perivolaki	MN12	38.41	23.5	11	1.9091
Pikermi	MN12	38.01	23.99	25	1.52

Pinaryaka	MN12	41.19	32.49	6	1.5
Prochoma	MN12	41	22.93	12	1.6667
Ravin Ar.	MN12	38.41	23.48	4	2
Ravin X	MN12	38.4	23.48	9	1.6667
Ribolla	MN12	43	11.1	2	2
Salihpasalar	MN12	37.25	28.27	10	1.7
Salihpasalar 1	MN12	37.25	28.25	7	1.5714
Salihpasalar 2	MN12	37.25	28.26	6	1.5
Samos Main Bone Beds	MN12	37.5	26.87	35	1.9429
Samos Old Mill Beds	MN12	37.5	26.87	4	2.5
Samos White Sands	MN12	37.5	26.87	5	2.2
Samos-Q5	MN12	37.75	26.97	8	1.875
Sarisikinleri	MN12	37.6	32.27	2	2
Sazak	MN12	37.29	28.83	3	2
Serefköy	MN12	37.36	28.22	11	1.9091
Serrazzano	MN12	43.6	10.8	2	2
Sinap 26	MN12	40.56	32.64	10	1.9
Sinap 27	MN12	40.56	32.64	4	2.25
Sinap 33	MN12	40.55	32.64	10	1.8

Sinap 70	MN12	40.55	32.64	2	2.5
Thermopigi	MN12	41.28	23.36	11	1.7273
Tudorovo	MN12	46.26	30.03	6	1.6667
Ulas	MN12	37.21	27.82	2	2.5
Valdecebro 5	MN12	40.35	-1.03	2	2
Vathylakkos 1 (VLO)	MN12	41	23	3	1.6667
Vathylakkos 2 (VTK)	MN12	41	23	9	1.5556
Vathylakkos 3 (VAT)	MN12	41	23	15	1.4667