

**APPENDIX 5: TABLES - ANALYTICAL
CATALOGUE OF
FOSSIL HOMINIDS
(NEAR EAST)**

Appendix 5.1: TABLE 1 - GENERAL SITE DATA

(pages 570 - 629)

Site (a)	Date Range (kya)	Isotopic Stage	Biochronology (kya)	Bio - Isotopic Stage	Type of Site	Excavation History
Amud	50.0 - 60.0 (TL range)*	3	c. 40 - 60*	3	Cave	1960 - Suzuki & Takai; 1991-1994 - Rak, Hovers, Kimbel, Rak et al
Amud B1	c. 50.0 (TL range)*	3				
Amud B2	50.0 - 60.0 (TL range)*	3				
Amud B4	50.0 - 60.0 (TL range)*	3				
Amud Hominids #14 & #15 - disturbed	?	?				
Bisitun	c. 70*; 60 - 80 (estimate and correlated)	4			Cave	1949 - Coon

Site (b)	Dimension - Cave or Shelter	Dimensions - Terrace	Latitude	Longitude	Elevation (m)	Direction Facing
Amud	10 m. wide; 12 m. deep; 5.5 m. high	4 times cave size;	32°52'23" N.	35°30'04" E.	150	southeast
Amud B1						
Amud B2						
Amud B4						
Amud Hominids #14 & 15 - disturbed						
Bisitun			34°22' N.	47°29' E.		

Site (c)	Physical Context	Water Source	Relation to Water Source	Relation to Other Sites	Levels
Amud	calcareous cliff	Wadi Amud	west side; right bank; 35 m. above	500 m. from Zuttiyeh; 50 km. from Mount Carmel	B1 - B4
Amud B1					B1
Amud B2					B2
Amud B4					
Amud Hominids #14 & 15 - disturbed					
Bisitun				40 km. from Kermanshah	

Site (d)	Sediments	Individuals	Features
Amud		18; 16 undisturbed	large number of individuals
Amud B1	loose calcareous silt with limestone rubble	3.5 (4 - Hovers 1997; includes #5 with B1)	
Amud B2	middle terrace; layers of light grey silt, concretions, and black soil intercalated with limestone rubble	10.5 (10 - Hovers 1997; includes #5 with B1)	
Amud B4	middle & lower terrace; light grey sandy silt with interspersed black soil and calcareous concretions	1	
Amud Hominids #14 & 15 - disturbed	?	2	
Bisitun	cave deposits	1	

Site (e)	Named Assemblage (Industry) Type	Fauna	Palynology	Taphonomy
Amud	Tabun-B (Phase 2-3 or Late) Levantine Mousterian	Gazelle - 47.2; Fallow Deer - 23.8%; Others: Bos sp.; vulpes vulpes palestina; Cupra sp. - equal %		biological and mechanical disturbance
Amud B1	Tabun-B (Phase 2-3 or Late) Levantine Mousterian			
Amud B2	Tabun-B (Phase 2-3 or Late) Levantine Mousterian			
Amud B4	Tabun-B (Phase 2-3 or Late) Levantine Mousterian			
Amud Hominids #14 & 15 - disturbed	?			
Bisitun	Evolved Levalloiso-Mousterian	Muridae; Mustelidae; Panthera pardus; Vulpes; Equus; Cervus; Bos; Gazella subgutturosa	Castor Fiber	

Site (f)	Region	Subregion	Modern Geopolitical Location
Amud	S. W. Asia (Near East)	Levant	Israel
Amud B1			
Amud B2			
Amud B4			
Amud Hominids #14 & 15 - disturbed			
Bisitun	S. W. Asia (Near East)		Iran

Site (a)	Date Range (kya)	Isotopic Stage	Biochronology (kya)	Bio - Isotopic Stage	Type of Site	Excavation History
Dederiyeh 2 - "two entrances"					Cave	1989 - Akazawa, Muhesen, et al
Dederiyeh 2, Unit I						
Dederiyeh 2, Unit II						
Dederiyeh 2, Unit III						
Dederiyeh 2, Unit IV						
Djebel Kafzeh (Qafzeh)	92.0 ± 5.5 (TL); 96.0 ± 13.0 (ESR/EU); 115.0 ± 15.0 (ESR/LU)	5a - 5c	c. 75 - 105	5a - 5c	Cave	1933 - Neuville & Stekelis; 1965-1975 - B. Vandermeersch

Site (b)	Dimension - Cave or Shelter	Dimensions - Terrace	Latitude	Longitude	Elevation (m)	Direction Facing
Dederiyeh 2 - "two entrances"	15 m. wide; 50 m deep; 8 - 10 m. high		36°24' N.	36°52' E.	450	north
Dederiyeh 2, Unit I						
Dederiyeh 2, Unit II						
Dederiyeh 2, Unit III						
Dederiyeh 2, Unit IV						
Djebel Kafzeh (Qafzeh)	21 m. long; 17 m. wide (Vandermersch 1981)	vast	32°41' N.	35°18' E.	220 m.	west

Site (c)	Physical Context	Water Source	Relation to Water Source	Relation to Other Sites	Levels
Dederiyeh 2 - "two entrances		Wadi Dederiyeh	south side (left bank) of Wadi Dederiyeh	opposite bank of Wadi from Dederiyeh 1; 2 km. N. of Qartal Cave; 6.5 km. S. of Hamman Cave 2	
Dederiyeh 2, Unit I					I
Dederiyeh 2, Unit II					II
Dederiyeh 2, Unit III					III
Dederiyeh 2, Unit IV					IV
Djebel Kafzeh (Qafzeh)	southeast flank of Djebel Kafzeh on Mount Precipice	Wadi el-Hadj			XV - XXV

Site (d)	Sediments	Individuals	Features
Dederiyeh 2 - "two entrances"		7	(1) 2 entrances - one facing north and natural chimney at back of cave; (2) number of hearths at back of cave
Dederiyeh 2, Unit I	light brown to greyish loose sediment with angular to subangular limestone fragments in a gritty, sandy matrix	?	
Dederiyeh 2, Unit II		?	numerous discontinuous hearths
Dederiyeh 2, Unit III		?	numerous discontinuous hearths
Dederiyeh 2, Unit IV	fine grained ash layer; dark grey to black in color as result of firing	?	remains of fire lenses?
Djebel Kafzeh (Qafzeh)		20 - 21?	

Site (e)	Named Assemblage (Industry) Type	Fauna	Palynology	Taphonomy
Dederiyeh 2 - "two entrances"	Tabun-B (Phase 2-3 or Late) Levantine Mousterian		Celtis sp.	
Dederiyeh 2, Unit I				
Dederiyeh 2, Unit II				
Dederiyeh 2, Unit III				
Dederiyeh 2, Unit IV				
Djebel Kafzeh (Qafzeh)	Tabun-C (Phase 2-3 or Late) Levantine Mousterian	Gazella gazella; Bos primigenius; Equus mauritaneus; Cervus elephus; Dama mesopotamica		

Site (f)	Region	Subregion	Modern Geopolitical Location
Dederiyeh 2 - "two entrances"	S. W. Asia (Near East)	Afrin Valley	Syria
Dederiyeh 2, Unit I			
Dederiyeh 2, Unit II			
Dederiyeh 2, Unit III			
Dederiyeh 2, Unit IV			
Djebel Kafzeh (Qafzeh)	S. W. Asia (Near East)	Levant	Israel

Site (a)	Date Range (kya)	Isotopic Stage	Biochronology (kya)	Bio - Isotopic Stage	Type of Site	Excavation History
Djebel Kafzeh (Qafzeh) 15 (XV) - vestibule (Vandermeersch)	92.1 - 94.7 (ESR/EU)*; 112.0 - 116.0 (ESR/LU)	5b - 5d	c. 75 - 105	5a - 5c		
Djebel Kafzeh (Qafzeh) 17 (XVII) - vestibule (Vandermeersch)	95.2 (ESR/EU); 103.0 (ESR/LU); 80.6 - 116.0 (Range of TL dates)*	5a - 5d	c. 75 - 105	5a - 5c		
Djebel Kafzeh (Qafzeh) 22 (XXII)	91.2 ± 8.7 (TL - best fit with other dates and stratigraphy)*	5a - 5b	c. 75 - 105	5a - 5c		
Djebel Kafzeh (Qafzeh) L (XVII - XIX) (Neville)	94.0 + 10.0/-8.0 (based on U/Pa of Hominid 06)*	5b - 5c	c. 75 - 105	5a - 5c		
Geulah - Cave A	42.0 ± 1.7* (C14)	3	c. 40 - 60*	3	Cave	1962 - Wreschner
Hayonim	50.0 - 60.0* (Estimate range)	3	c. 50 - 60 (Upper E); c. 60 - 70 (Lower E)	3 - 4	Cave	1965-1970 - Bar-Yosef & Arensburg; recent ?

Site (b)	Dimension - Cave or Shelter	Dimensions - Terrace	Latitude	Longitude	Elevation (m)	Direction Facing
Djebel Kafzeh (Qafzeh) 15 (XV) - vestibule (Vandermeersch)						
Djebel Kafzeh (Qafzeh) 17 (XVII) - vestibule (Vandermeersch)						
Djebel Kafzeh (Qafzeh) 22 (XXII)						
Djebel Kafzeh (Qafzeh) L (XVII - XIX) (Neville)						
Geulah - Cave A			37°40' N.	35°05' E.		
Hayonim						

Site (c)	Physical Context	Water Source	Relation to Water Source	Relation to Other Sites	Levels
Djebel Kafzeh (Qafzeh) 15 (XV) - vestibule (Vandermeersch)					XV
Djebel Kafzeh (Qafzeh) 17 (XVII) - vestibule (Vandermeersch)					XVII
Djebel Kafzeh (Qafzeh) 22 (XXII)					XXII
Djebel Kafzeh (Qafzeh) L (XVII - XIX) (Neville)					L (XVII - XIX)
Geulah - Cave A				in Mt. Carmel region	B2
Hayonim		tributary of Nahal Yassof Stream; & Wadi Amud	250 m.above on left bank of tributary		E?

Site (d)	Sediments	Individuals	Features
Djebel Kafzeh (Qafzeh) 15 (XV) - vestibule (Vandermeersch)	clay silt with calcareous (chalky) gravel	2	
Djebel Kafzeh (Qafzeh) 17 (XVII) - vestibule (Vandermeersch)	calcareous gravel with brown clay silt	8?	
Djebel Kafzeh (Qafzeh) 22 (XXII)	calcareous gravel in a gray sediment	1	
Djebel Kafzeh (Qafzeh) L (XVII - XIX) (Neville)			hearths
Geulah - Cave A	blackish brown soil with ash, charcoal, and burnt bones	1	
Hayonim		20 - 21 specimens; 3 MNI	

Site (e)	Named Assemblage (Industry) Type	Fauna	Palynology	Taphonomy
Djebel Kafzeh (Qafzeh) 15 (XV) - vestibule (Vandermeersch)	Tabun-C (Phase 2-3 or Late) Levantine Mousterian			
Djebel Kafzeh (Qafzeh) 17 (XVII) - vestibule (Vandermeersch)				
Djebel Kafzeh (Qafzeh) 22 (XXII)	Tabun-C (Phase 2-3 or Late) Levantine Mousterian			
Djebel Kafzeh (Qafzeh) L (XVII - XIX) (Neville)	Lower Levalloisian; (Tabun-C Levantine Mousterian?)			
Geulah - Cave A	Levalloisian	Hyena cf. prisca; Martes; Ursus arctos; Equus (Asinus) hydrantinus; Rhinoceros hemitoechus or mercki; large bovid		
Hayonim	Tabun C or Tabun D Levantine Mousterian			rodent burrows; sink hole; intrusive pits

Site (f)	Region	Subregion	Modern Geopolitical Location
Djebel Kafzeh (Qafzeh) 15 (XV) - vestibule (Vandermeersch)			
Djebel Kafzeh (Qafzeh) 17 (XVII) - vestibule (Vandermeersch)			
Djebel Kafzeh (Qafzeh) 22 (XXII)			
Djebel Kafzeh (Qafzeh) L (XVII - XIX) (Neville)	S. W. Asia (Near East)	Levant	Israel
Geulah - Cave A	S. W. Asia (Near East)	Levant	Israel
Hayonim	S. W. Asia (Near East)	Levant	Israel

Site (a)	Date Range (kya)	Isotopic Stage	Biochronology (kya)	Bio - Isotopic Stage	Type of Site	Excavation History
Karain - "black cave"	63.0 ± 7.0 (ESR/LU);* 61.0 ± 7.0 (ESR/EU) [mean dates]	3 - 4			Cave	1946-1973 - Kökten; 1985 - Yalçinkaya & Albrecht; 1989 to present - Yalçinkaya
Ksâr'Akil	42.75 ± 1.5 - 43.75 ± 1.5 (C14)*	3			Rockshelter	1922 - treasure hunters; 1926 -Day; 1937 - Doherty & Ewing; 1969 - Tixier
Magracik - unnamed cave (Merdevenli?, Kanal?, or Tikali?)	?	?	?	?	Cave	1956 - Senyürek & Bostanci
Masloukh	125 - 150 (Estimate)*	5e - 6			Cave	1969 - Solecki
Me'arat Shovakh (Mugharet esh-Shubbabiq)	040.0 - 060.0	3	c. 40 - 60	3	Cave	1962 - Binford, S.
Mugharet el-Kebarah (Kebara)	48.3 ± 3.5 - 61.6 ± 3.6 (TL range)	3	c. 40 - 60	3	Cave	1927 - Stekelis; 1939 - Garrod; 1931 - Turville-Petre; 1951-1968 (off & on) - Stekelis; 1982 - 1990 - Bar-Yosef,

Site (b)	Dimension - Cave or Shelter	Dimensions - Terrace	Latitude	Longitude	Elevation (m)	Direction Facing
Karain - "black cave"	5 cavities: A, B, C, D, E		37°08' N.	30°20' E.	430 m. - 450 m.	
Ksâr'Akil			35°55' N.	35°37'		
Magracik - unnamed cave (Merdevenli?, Kanal?, or Tikali?)	23 m. long; 6 m. wide; 4 m. high				40 m. - 50 m.	south
Masloukh	small; pre-excavation entrance 2 m. wide;	3 terraces; ledge - remnant of collapsed large cave			37.0 to 39.5 m.	west
Me-arat Shovakh (Mugharet esh-Shubbabiq)			32°57' N.	45°29' E.		
Mugharet el-Kebarah (Kebara)	irregular form (wider at base); 20 m. wide; 20 m. deep; small chimney	large terrace	32°33' N.	34°57' E.	60 - 65 m.	north northwest

Site (c)	Physical Context	Water Source	Relation to Water Source	Relation to Other Sites	Levels
Karain - "black cave"	natural karstic cave; flank of Çadir Tepesi; Katran Massif; Taurus Mtns.; 150 m. above plain	spring	1 km. from cave		?
Ksâr'Akil	base of limestone cliff; 2 km from coast	Nahr Antelias	north side (right bank) of Nahr Antelias	25 km. so. of Ras el-Kelb; same region as Antelias; 10 km. N.E. of Beirut	XXV
Magracik - unnamed cave (Merdevenli?, Kanal?, or Tikali?)	limestone formation (Miocene Age) in foothills of Musa Dag			edge of ruins of ancient Seleucia	
Masloukh	limestone falaise & ledge; bedrock of Cretaceous limestone			near Byblos; 20 km. south of Tartous; 5 - 10 km N. of Nahr Ibrahim; approx. 25 km S.W. of Chekka Cement	A?, B?, or C?
Me'arat Shovakh (Mugharet esh-Shubbabiq)	dolomite limestone cliff	Wadi Amud	west bank of Wadi Amud	0.5 km. from Amud Cave	
Mugharet el-Kebarah (Kebara)	crystalline limestone (Middle Cenomanian); lithographic, & chalky limestone (Turonian); above coastal strip	Nahal Taninim & tributaries		15 km. S. of Tabun; 30 km from el-Wad; 35 km. from Qafzeh	VI - XII

Site (d)	Sediments	Individuals	Features
Karain - "black cave"		unknown # of individuals	
Ksâr'Akil	red clay	1	
Magracik - unnamed cave (Merdevenli?, Kanal?, or Tikali?)		1 - 3 ?	
Masloukh	conglomerate of limestone & chert pebbles; sand with shell fragments; hard greyish cave breccia	1	slopes to southeast
Me'arat Shovakh (Mugharet esh-Shubbabiq)	lower cave earth	1	
Mugharet el-Kebarah (Kebara)		29	large # well preserved hearths; slopes to rear; funnel shape

Site (e)	Named Assemblage (Industry) Type	Fauna	Palynology	Taphonomy
Karain - "black cave"	Zagros Mousterian (I-2 - III-2.1); Proto-Charentian (III-3 - IV-5)	Ovis; Capra; Cervus; Dama; Bos sp.; Vulpes vulpes; Canis lupis; Ursus arctos		
Ksâr'Akil	Transitional to Upper Paleolithic	Dama mesopotamica; Mollusca; Helix (numerous)		
Magracik - unnamed cave (Merdevenli:, Kanal?, or Tikali?)	Levalloiso-Mousterian	cave bear; cave lion; wild boar		
Masloukh	Yabrudian if Layer C; Amudian if Layer A or B			collapse of larger cave;
Me'arat Shovakh (Mugharet esh- Shubbabiq)	Mousterian of Levallois facies	Sus scrofa; Dama, Capra or Alcelaphus; Gazella; Bovid; vulpes; panthera pardus; Hyaenid; (see Oakley 1975 or Binford 1966)		considerable disturbance by post- Mousterians
Mugharet el-Kebarah (Kebara)	Tabun-B (Phase 2-3 or Late) Levantine Mousterian	Gazella gazella (dominant); Dama mesopotamica; Capreolus capreolus; Cervus elaphus; Sus scrofa; Alcephalus; Bos primigenius; Equus		sinkholes; diagenesis; burrowing; later occupants

Site (f)	Region	Subregion	Modern Geopolitical Location
Karain - "black cave"	W. W. Asia (Near East)	Anatolia	Turkey
Ksâr'Akil	S. W. Asia (Near East)	Levant	Lebanon
Magracik - unnamed cave (Merdevenli?, Kanal?, or Tikali?)	S. W. Asia (Near East)	Antakya	Turkey
Masloukh	S. W. Asia (Near East)	Levant	Lebanon
Me'arat Shovakh (Mugharet esh-Shubbabiq)	S. W. Asia (Near East)	Levant	Israel
Mugharet el-Kebarah (Kebara)	S. W. Asia (Near East)	Levant	Israel

Site (a)	Date Range (kya)	Isotopic Stage	Biochronology (kya)	Bio - Isotopic Stage	Type of Site	Excavation History
Mugharet el-Kebarah (Kebara) - KMH #28	?	3 ?	c. 40 - 60 ?	3 ?		
Mugharet el-Kebarah (Kebara) - Reworked Deposits 1 (R1)	?	3 ?	c. 40 - 60 ?	3 ?		
Mugharet el-Kebarah (Kebara) - Reworked Deposits 2 (R2)	?	3 ?	c. 40 - 60 ?	3 ?		
Mugharet el-Kebarah (Kebara) - Surface (S)	?	3 ?	c. 40 - 60 ?	3 ?		
Mugharet el-Kebarah (Kebara) Turville-Petre Sounding	?	3 ?	c. 40 - 60 ?	3 ?		
Mugharet el-Kebarah (Kebara) Unit 05/06 (V/VI)	48.3 ± 3.5 (TL Unit VI)*	3	c. 40 - 60	3		

Site (b)	Dimension - Cave or Shelter	Dimensions - Terrace	Latitude	Longitude	Elevation (m)	Direction Facing
Mugharet el-Kebarah (Kebara)- KMH #28						
Mugharet el- Kebarah (Kebara) - Reworked Deposits 1 (R1)						
Mugharet el-Kebarah (Kebara) - Reworked Deposits 2 (R2)						
Mugharet el-Kebarah (Kebara) - Surface (S)						
Mugharet el-Kebarah (Kebara) Turville- Petre Sounding						
Mugharet el-Kebarah (Kebara) Unit 05/06 (V/VI)						

Site (c)	Physical Context	Water Source	Relation to Water Source	Relation to Other Sites	Levels
Mugharet el-Kebarah (Kebara) - KMH #28					?
Mugharet el-Kebarah (Kebara) - Reworked Deposits 1 (R1)					R1
Mugharet el-Kebarah (Kebara) - Reworked Deposits 2 (R2)					R2
Mugharet el-Kebarah (Kebara) - Surface (S)					S
Mugharet el-Kebarah (Kebara) Turville-Petre Sounding					Turville-Petre Sounding
Mugharet el-Kebarah (Kebara) Unit 05/06 (V/VI)					V/VI

Site (d)	Sediments	Individuals	Features
Mugharet el-Kebarah (Kebara) - KMH #28		1	
Mugharet el-Kebarah (Kebara) - Reworked Deposits 1 (R1)		1	
Mugharet el-Kebarah (Kebara) - Reworked Deposits 2 (R2)		3	
Mugharet el-Kebarah (Kebara) - Surface (S)		3	
Mugharet el-Kebarah (Kebara) Turville-Petre Sounding		3	
Mugharet el-Kebarah (Kebara) Unit 05/06 (V/VI)	interface of V & VI: V - red brown silt, clay and sand; VI - silt, sand, reddish clay with cinder and ash lenses	2	

Site (e)	Named Assemblage (Industry) Type	Fauna	Palynology	Taphonomy
Mugharet el-Kebarah (Kebara) - KMH #28	Tabun-B (Phase 2-3 or Late) Levantine Mousterian			
Mugharet el-Kebarah (Kebara) - Reworked Deposits 1 (R1)	?			
Mugharet el-Kebarah (Kebara) - Reworked Deposits 2 (R2)	?			
Mugharet el-Kebarah (Kebara) - Surface (S)	?			
Mugharet el-Kebarah (Kebara) Turville-Petre Sounding	?			
Mugharet el-Kebarah (Kebara) Unit 05/06 (V/VI)	Mixed Mousterian & Upper Palaeolithic			

Site (f)	Region	Subregion	Modern Geopolitical Location
Mugharet el-Kebarah (Kebara) - KMH #28			
Mugharet el-Kebarah (Kebara) - Reworked Deposits 1 (R1)			
Mugharet el-Kebarah (Kebara) - Reworked Deposits 2 (R2)			
Mugharet el-Kebarah (Kebara) - Surface (S)			
Mugharet el-Kebarah (Kebara) Turville-Petre Sounding			
Mugharet el-Kebarah (Kebara) Unit 05/06 (V/VI)			

Site (a)	Date Range (kya)	Isotopic Stage	Biochronology (kya)	Bio - Isotopic Stage	Type of Site	Excavation History
Mugharet el-Kebarah (Kebara) Unit 09 (IX)	58.4 ± 4.0 (TL)*	3	c. 40 - 60	3		
Mugharet el-Kebarah (Kebara) Unit 09/10 (IX/X)	>58.4 ± 4.0; < 60.0 ± 3.5	3	c. 40 - 60	3		
Mugharet el-Kebarah (Kebara) Unit 10 (X)	60.4 ± 5.9 (ESR/EU)* [more consistent with time line and stratigraphy]	3	c. 40 - 60	3		
Mugharet el-Kebarah (Kebara) Unit 11 (XI)	60.0 ± 3.5 (TL)*	3	c. 40 - 60	3		
Mugharet el-Kebarah (Kebara) Unit 11 N (XI N)	60.0 ± 3.5 ? (based on TL Unit XI)	3 ?	c. 40 - 60	3 ?		
Mugharet el-Kebarah (Kebara) Unit 12 (XII)	59.9 ± 3.5 (TL)*	3	c 40 - 60	3		

Site (b)	Dimension - Cave or Shelter	Dimensions - Terrace	Latitude	Longitude	Elevation (m)	Direction Facing
Mugharet el-Kebarah (Kebara) Unit 09 (IX)						
Mugharet el-Kebarah (Kebara) Unit 09/10 (IX/X)						
Mugharet el-Kebarah (Kebara) Unit 10 (X)						
Mugharet el-Kebarah (Kebara) Unit 11 (XI)						
Mugharet el-Kebarah (Kebara) Unit 11 N (XI N)						
Mugharet el-Kebarah (Kebara) Unit 12 (XII)						

Site (c)	Physical Context	Water Source	Relation to Water Source	Relation to Other Sites	Levels
Mugharet el-Kebarah (Kebara) Unit 09 (IX)					IX
Mugharet el-Kebarah (Kebara) Unit 09/10 (IX/X)					IX/X
Mugharet el-Kebarah (Kebara) Unit 10 (X)					X
Mugharet el-Kebarah (Kebara) Unit 11 (XI)					XI
Mugharet el-Kebarah (Kebara) Unit 11 N (XI N)					XI N
Mugharet el-Kebarah (Kebara) Unit 12 (XII)					XII

Site (d)	Sediments	Individuals	Features
Mugharet el-Kebarah (Kebara) Unit 09 (IX)		5	
Mugharet el-Kebarah (Kebara) Unit 09/10 (IX/X)		1	
Mugharet el-Kebarah (Kebara) Unit 10 (X)	silt interspersed with aggregates of cinders and hearths with some localized peculiarities	5	
Mugharet el-Kebarah (Kebara) Unit 11 (XI)	silt interspersed with aggregates of cinders and hearths with some localized peculiarities	4 (Kebara Hominid 2 derived from XI?)	
Mugharet el-Kebarah (Kebara) Unit 11 N (XI N)		1	
Mugharet el-Kebarah (Kebara) Unit 12 (XII)	silts interspersed with aggregates of cinders and hearths with some localized peculiarities	0 (Kebara Hominid 2 derived from XI?)	

Site (e)	Named Assemblage (Industry) Type	Fauna	Palynology	Taphonomy
Mugharet el-Kebarah (Kebara) Unit 09 (IX)				
Mugharet el-Kebarah (Kebara) Unit 09/10 (IX/X)	Tabun-B (Phase 2-3 or Late) Levantine Mousterian			
Mugharet el-Kebarah (Kebara) Unit 10 (X)	Tabun-B (Phase 2-3 or Late) Levantine Mousterian			
Mugharet el-Kebarah (Kebara) Unit 11 (XI)	Tabun-B (Phase 2-3 or Late) Levantine Mousterian			
Mugharet el-Kebarah (Kebara) Unit 11 N (XI N)	Tabun-B (Phase 2-3 or Late) Levantine Mousterian ?			
Mugharet el-Kebarah (Kebara) Unit 12	Tabun-B (Phase 2-3 or Late) Levantine Mousterian			

Site (f)	Region	Subregion	Modern Geopolitical Location
Mugharet el-Kebarah (Kebara) Unit 09 (IX)			
Mugharet el-Kebarah (Kebara) Unit 09/10 (IX/X)			
Mugharet el-Kebarah (Kebara) Unit 10 (X)			
Mugharet el-Kebarah (Kebara) Unit 11 (XI)			
Mugharet el-Kebarah (Kebara) Unit 11 N (XI N)			
Mugharet el-Kebarah (Kebara) Unit 12 (XII)			

Site (a)	Date Range (kya)	Isotopic Stage	Biochronology (kya)	Bio - Isotopic Stage	Type of Site	Excavation History
Mugharet el-Wad, Hominid G - "cave of valley" (intrusive?)	?	?	?	?	Cave	1929-1934 - Garrod
Mugharet el-Zuttiyeh (Zuttiyeh)	164.0 ± 21.0; 148.0 ± 6.0 (Uranium - Thorium)*	6	135 - 165	6	Cave	1925 - Turville-Petre; 1973 - Bar-Yosef
Mugharet es- Skhul (Skhul) Level B			50 - 70	3 - 4		
Mugharet es-Skhul (Skhul) - "cave of kids"	81.0 ± 15.0 (ESR/EU)*; 101 ± 12.0 (ESR/LU)	5a - 5d	50 - 100	3 - 5c	Cave/Abri (cave, rockshelter, alcoves)	1929, 1931, 1933 - McCown
Mugharet es-Skhul (Skhul) - Level C			80 - 100	5a - 5c		
Mugharet et-Tabun (Tabun) - "cave of oven"	86.0 ± 11.0 - 182.0 ± 61.0 (ESR/ EU); 103.0 ± 16.0 - 213.0 ± 46.0 (ESR/LU)	5b/5c - 6/7	c. 40 - 210	3 - 6	Cave	1929-1934 - Garrod; 1967- 1972 - Jelinek & Ronen

Site (b)	Dimension - Cave or Shelter	Dimensions - Terrace	Latitude	Longitude	Elevation (m)	Direction Facing
Mugharet el-Wad, Hominid G - "cave of valley" (intrusive?)	6 chambers: chamber 1 - 15 m. x 10 m.; chamber 2 - 10 m. x 8 m.	talus radius 55 m.; slopes downwards 9.5 m. from entrance	32°40' N.	35°05' E.	44.5 m.	northwest
Mugharet el-Zuttiyeh (Zuttiyeh)	19 m. x 15 m. x 10 m.		32°51' N.	35°30' E.		southwest
Mugharet es-Skhul (Skhul) - Level B						
Mugharet es-Skhul (Skhul) - "cave of kids"	cave - 4 m. at opening; abri 12 m. (not deep)	extended no. from cave mouth - 5 m.	32°40' N.	35°05' E.	44.5 m.	north to northwest
Mugharet es-Skhul (Skhul) - Level C						
Mugharet et-Tabun (Tabun) - "cave of oven"	3 Chambers: (1) 5.7 m. x 5.7 m.; (2) Inner Chamber - 7 m. x 7 m.; (3) Chimney - late forming		32°40' N.	35°05' E.	45 m. (Grun 1991); 63 m. (Defleur 1992)	northwest

Site (c)	Physical Context	Water Source	Relation to Water Source	Relation to Other Sites	Levels
Mugharet el-Wad, Hominid G - "cave of valley" (intrusive?)		Wadi el-Mughara - "valley of caves"	12.5 m above plain at mouth of Wadi el-Mughara	60 to 70 m. N. E. of Tabun; c. 3 km. from coast	G (in chamber 1 by swallow hole)
Mugharet el-Zuttiyeh (Zuttiyeh)	in cliff	Wadi Amud		3 to 5 km. from N. W. end of Sea of Galilee; 500 m. from Amud Cave	
Mugharet es-Skhul (Skhul) - Level B					B
Mugharet es-Skhul (Skhul) - "cave of kids"		Wadi el-Mughara	11 m. above, south side (left bank) of Wadi el-Mughara	200 m. from Tabun	B - C.
Mugharet es-Skhul (Skhul) - Level C					C
Mugharet et-Tabun (Tabun) - "cave of oven"	karstic in massive reef limestone; western foot Mt. Carmel; near coastal plain	Nahal Me'arat	south side (left bank) and 18 m. above Nahal Me'arat	160 - 170 m. S. W. of Skhul; 60 - 70 m. S. W. of el-Wad	B - G (Units I - XIV - Jelinek 1982)

Site (d)	Sediments	Individuals	Features
Mugharet el-Wad, Hominid G - "cave of valley" (intrusive?)	crevice in rock barrier	1 (possibly intrusive)	
Mugharet el-Zuttiyeh (Zuttiyeh)		1	
Mugharet es-Skhul (Skhul) - Level B	hard earth 30 cm. to 170 cm. thick; resting on a hard grey breccia of 2 m. thickness	26	
Mugharet es-Skhul (Skhul) - "cave of kids"		26	absence of clearly defined hearths
Mugharet es-Skhul (Skhul) - Level B	found only in small depressions containing a thin layer of abraded flint on top of a sandy layer	?	
Mugharet et-Tabun (Tabun) - "cave of oven"		18?	

Site (e)	Named Assemblage (Industry) Type	Fauna	Palynology	Taphonomy
Mugharet el-Wad, Hominid G - "cave of valley" (intrusive?)	Upper Levalloiso-Mousterian (Tabun-B Levantine Mousterian)	dominated by <i>Dama mesopotamica</i>		swallow holes
Mugharet el-Zuttiyeh (Zuttiyeh)	Acheulo-Yabrudian; Lower Levalloiso-Mousterian <i>Vulpes cf. niloticus</i> ; <i>Hyaena cf. striata</i> ; <i>Equus</i> ; <i>Sus</i> ; <i>Hippopotamus</i> ; <i>Cervus cf. elephus</i> ; (long list - see Oakley 1975)		
Mugharet es-Skhul (Skhul) - Level B	Tabun-C (Phase 2-3 or Late) Levantine Mousterian			
Mugharet es-Skhul (Skhul) - "cave of kids"	Tabun-C (Phase 2-3 or Late) Levantine Mousterian <i>Vulpes vulpes</i> ; <i>Sus gadarensis</i> ; <i>Capreolus capreolus</i> ; <i>Cervus elephus</i> ; <i>Dama mesopotamica</i> ;..... (long list - see Oakley 1975)		
Mugharet es-Skhul (Skhul) - Level C				
Mugharet et-Tabun (Tabun) - "cave of oven"	Upper Acheulian (Mugharan), Tabun-D, Tabun-C, Tabun-B Levantine Mousterian	gazelles - dominant; fallow deer; bovids		erosion; diagenesis; "swallow holes"

Site (f)	Region	Subregion	Modern Geopolitical Location
Mugharet el-Wad, Hominid G - "cave of valley" (intrusive?)	S. W. Asia (Near East)	Levant	Israel
Mugharet el-Zuttiyeh (Zuttiyeh)	S. W. Asia (Near East)	Levant	Israel
Mugharet es-Skhul (Skhul) - Level B			
Mugharet es-Skhul (Skhul) - "cave of kids"	S. W. Asia (Near East)	Levant	Israel
Mugharet es-Skhul (Skhul) - Level B			
Mugharet et-Tabun (Tabun) - "cave of oven"	S. W. Asia (Near East)	Levant	Israel

Site (a)	Date Range (kya)	Isotopic Stage	Biochronology (kya)	Bio - Isotopic Stage	Type of Site	Excavation History
Mugharet et-Tabun (Tabun) - Layer B	86.0 ± 11.0 (ESR/EU)*; 103.0 ± 16.0 (ESR/LU);	5b-5c	c. 40 - 55	3		
Mugharet et-Tabun (Tabun) - Layer C.	102.0 ± 17.0 (ESR/EU)*; 119.0 ± 11.0 (ESR/LU)	5c-5d	c. 55 - 65	3 - 4		
Mugharet et-Tabun (Tabun) - Layer Ea	154.0 ± 34.0 (ESR/EU)*; 188.0 ± 31.0 (ESR/LU)	6	c. 128 - 210	6		
Mugharet et-Tabun (Tabun) - Layer Eb	151.0 ± 21.0 (ESR/EU)*; 168.0 ± 15.0 (ESR/LU)	6	c. 128 - 210	6		
Ras el-Kelb	52.0 - 75.0 (C14 and Estimates)*	3 - 4			Cave	1959 - G. Henri-Martin
Shanidar	46.8 ± 1.5*; 50.6 ± 3.0	3			Cave	1950, 1953, 1957, 1960 - Solecki

Site (b)	Dimension - Cave or Shelter	Dimensions - Terrace	Latitude	Longitude	Elevation (m)	Direction Facing
Mugharet et-Tabun (Tabun) - Layer B						
Mugharet et-Tabun (Tabun) - Layer C						
Mugharet et-Tabun (Tabun) - Layer Ea						
Mugharet et-Tabun (Tabun) - Layer Eb						
Ras el-Kelb			33°56' N.	35°36' E.		
Shanidar	25 m. wide; 53 m. deep; 8 m. (max.) high		36°45' N.	44°13' E.	745 - 750 m.	south

Site (c)	Physical Context	Water Source	Relation to Water Source	Relation to Other Sites	Levels
Mugharet et-Tabun (Tabun) - Layer B					B (Unit I to base of C)
Mugharet et-Tabun (Tabun) - Layer C					C (Unit I to base of C)
Mugharet et-Tabun (Tabun) - Layer Ea					Ea (Units X - XI)
Mugharet et-Tabun (Tabun) - Layer Eb					Eb (Unit XII)
Ras el-Kelb	on 6 m. beach, N. face Ras el-Kelb promintory	Nahr el-Kelb	mouth of Nahr el-Kelb	approx. 25 km N. of Ksâr'Akil; 20 - 25 km. S. of Masloukh; 15 - 20 km S. of Nahr Ibrahim	K
Shanidar	Middle Cretaceous dolomite calcaire of Mt. Baradost	Zab Majeur	365 m. above Zab Majeur	240 km. N. of Baghdad	D

Site (d)	Sediments	Individuals	Features
Mugharet et-Tabun (Tabun) - Layer B	red earth (clay mixed with blocks of roof)	7	
Mugharet et-Tabun (Tabun) - Layer C	hard, dark red earth (clay mixed with roof fall)	9	
Mugharet et-Tabun (Tabun) - Layer Ea	red breccia	1	
Mugharet et-Tabun (Tabun) - Layer Eb	brown earth	1	
Ras el-Kelb	breccia in tunnel section ?	3	
Shanidar		9	

Site (e)	Named Assemblage (Industry) Type	Fauna	Palynology	Taphonomy
Mugharet et-Tabun (Tabun) - Layer B	Tabun-B (Phase 2-3 or Late) Levantine Mousterian			
Mugharet et-Tabun (Tabun) - Layer C.	Tabun-C (Phase 2-3 or Late) Levantine mousterian			
Mugharet et-Tabun (Tabun) - Layer Ea	Upper Acheulian (Mugharan Tradition)			
Mugharet et-Tabun (Tabun) - Layer Eb	Upper Acheulian (Mugharan Tradition)			
Ras el-Kelb	Tabun-C (Phase 2-3 or Late) Levantine Mousterian	Ursus; Rhinoceros mercki; Sus; Dama mesopotamica; Bos		
Shanidar	Zagros Mousterian; [Intermediate between Typical & Quina Mousterian]	Ovis & Capra - predominant (1175 of 1256); Others: Sus scrofa; Vulpes vulpes; Cervus elephus; Capreolus capreolus		periodic collapse of cave roof

Site (f)	Region	Subregion	Modern Geopolitical Location
Mugharet et-Tabun (Tabun) - Layer B			
Mugharet et-Tabun (Tabun) - Layer C			
Mugharet et-Tabun (Tabun) - Layer Ea			
Mugharet et-Tabun (Tabun) - Layer Eb			
Ras el-Kelb	S. W. Asia (Near East)	Levant	Lebanon
Shanidar	S. W. Asia (Near East)	Massif Zagros	Iraq

Site (a)	Date Range (kya)	Isotopic Stage	Biochronology (kya)	Bio - Isotopic Stage	Type of Site	Excavation History
Shanidar Hominid 01	46.8 ± 1.5*; 46.9 ± 1.5	3		3		
Shanidar Hominid 03	47.0 (Estimate based on Shanidar Hominid 01 date)*	3				
Shanidar Hominid 05	c. 46.8 ± 1.5 (based on Shanidar Hominid 01 date and stratigraphy)*	3				
Shanidar Hominid 07	c. 70.0 (Stewart 1977)*					
Shanidar Hominids 02, 04, 06, 08 - 09	c. 60 (Oakley 1975)*	4				
Shukbah	c. 60 - 80*	3 - 4			Cave	1928 - Garrod

Site (b)	Dimension - Cave or Shelter	Dimensions - Terrace	Latitude	Longitude	Elevation (m)	Direction Facing
Shanidar Hominid 01						
Shanidar Hominid 03						
Shanidar Hominid 05						
Shanidar Hominid 07						
Shanidar Hominids 02, 04, 06, 08 - 09						
Shukbah	3 Chambers; Chamber I - 18 m. diameter; Chamber II - 7m. X 6m.; Chamber III - small		21°58' N.	35°03' E.	c. 320.6 m. (1058 ft.)	

Site (c)	Physical Context	Water Source	Relation to Water Source	Relation to Other Sites	Levels
Shanidar Hominid 01					D
Shanidar Hominid 03					D
Shanidar Hominid 05					D
Shanidar Hominid 07					D
Shanidar Hominids 02, 04, 06, 08 - 09					D
Shukbah	western slope Judean Hills	Wadi en-Hatuf		28 km. from Jerusalem	D ?

Site (d)	Sediments	Individuals	Features
Shanidar Hominid 01	sandy moist earth containing some wood charcoal	1	
Shanidar Hominid 03	brown loam	1	
Shanidar Hominid 05	dark brown sandy clay	1	
Shanidar Hominid 07	brown loam	1	
Shanidar Hominids 02, 04, 06, 08 - 09	Hominid #2, Hominid #4 - rested on dark brown soil covered by lighter, cleaner soil	4	
Shukbah	breccia and hearths	1	

Site (e)	Named Assemblage (Industry) Type	Fauna	Palynology	Taphonomy
Shanidar Hominid 01	Zagros Mousterian; [Intermediate between Typical and Quina Mousterian]			
Shanidar Hominid 03	Zagros Mousterian; [Intermediate between Typical and Quina Mousterian]			
Shanidar Hominid 05	Zagros Mousterian; [Intermediate between Typical and Quina Mousterian]			
Shanidar Hominid 07	Zagros Mousterian; [Intermediate between Typical & Quina Mousterian]			
Shanidar Hominids 02, 04, 06, 08 - 09	Zagros Mousterian; [Intermediate between Typical & Quina Mousterian]			
Shukbah	Upper Levalloiso-Mousterian (Tabun-B Levantine Mousterian)	Hyena crocuta; Hyena prisca; Lepus sp; Sus scrofa; Dama mesopotamica; Capra sp.		large pit (swallow hole) in chamber

Site (f)	Region	Subregion	Modern Geopolitical Location
Shanidar Hominid 01			
Shanidar Hominid 03			
Shanidar Hominid 05			
Shanidar Hominid 07			
Shanidar Hominids 02, 04, 06, 08 - 09			
Shukbah	S. W. Asia	Levant	Israel

Site (a)	Date Range (kya)	Isotopic Stage	Biochronology (kya)	Bio - Isotopic Stage	Type of Site	Excavation History
Tamtama					Cave	1949 - Coon

Site (b)	Dimension - Cave or Shelter	Dimensions - Terrace	Latitude	Longitude	Elevation (m)	Direction Facing
Tamtama			37°45' N.	44°33' E.		

Site (c)	Physical Context	Water Source	Relation to Water Source	Relation to Other Sites	Levels
Tamtama				21 km. N. of Rezaiyeh, W. of Lake Urmiya, Azerbaijan	

Site (d)	Sediments	Individuals	Features
Tamtama	cave deposits	1	

Site (e)	Named Assemblage (Industry) Type	Fauna	Palynology	Taphonomy
Tamtama	Advanced Levalloiso-Mousterian	Gerbillus; Muridae; Mustelidae; Crocuta; Vulpes; Equus asinus; Sus; Cervus; Bos; Gazella; Capra; Ovis	Castor fiber	

Site (f)	Region	Subregion	Modern Geopolitical Location
Tamtama	S. W. Asia (Near East)		Iran

Appendix 5.2: TABLE 2 - INDIVIDUALS

(pages 631 - 653)

Site	Date (kya)	Isotopic Stage	Biochronology (kya)	Bio-Isotopic Stage	Individual	Age Category	Age	Sex
Amud	050.0	3	40 - 60	3	Amud 01 (I)	adult	25 yrs.	male
Amud	050.0 - 060.0	3	40 - 60	3	Amud 02 (II)	adult		male
Amud	050.0 - 060.0	3	40 - 60	3	Amud 03 (III)	toddler	4 yrs	
Amud	050.0 - 060.0	3	40 - 60	3	Amud 04 (IV)	toddler	3 yrs	
Amud	050.0	3	40 - 60	3	Amud 05 (V)	infant	6 - 9 mo.	
Amud	050.0 - 060.0	3	40 - 60	3	Amud 07	infant	10 mo.	
Amud	050.0	3	40 - 60	3	Amud 08	child	8 yrs	

Site	Date (kya)	Isotopic Stage	Biochronology (kya)	Bio-Isotopic Stage	Individual	Age Category	Age	Sex
Amud	050.0 - 060.0	3	40 - 60	3	Amud 09	adult		
Amud	050.0 - 060.0	3	40 - 60	3	Amud 10	infant?/toddler?/ child?		
Amud	050.0 - 060.0	3	40 - 60	3	Amud 11	child	7 yrs	
Amud	050.0 - 060.0	3	40 - 60	3	Amud 12	infant?/toddler?/ child?		
Amud	050.0 - 060.0	3	40 - 60	3	Amud 13	adult		
Amud	?(disturbed)	?(disturbed)			Amud 14	adult		
Amud	?(disturbed)	?(disturbed)			Amud 15	infant?/toddler?/ child?		

Site	Date (kya)	Isotopic Stage	Biochronology (kya)	Bio-Isotopic Stage	Individual	Age Category	Age	Sex
Amud	050.0	3	40 - 60	3	Amud 16	toddler	18 mo.	
Amud	050.0 - 060.0	3	40 - 60	3	Amud 17	adult		
Amud	050.0 - 060.0	3	40 - 60	3	Amud 18	infant?/toddler?/ child?		
Amud	?	?			Amud Isolated Tooth	adolescent	15 yrs.	
Bisitun	070.0 ?	4			Bisitun 01	adult		
Dederiyeh 2					Dederiyeh 8901	adult		
Dederiyeh 2					Dederiyeh 8902	adult		

Site	Date (kya)	Isotopic Stage	Biochronology (kya)	Bio-Isotopic Stage	Individual	Age Category	Age	Sex
Dederiyeh 2					Dederiyeh 8906	adult		
Dederiyeh 2					Dederiyeh 8909	adult		
Dederiyeh 2					Dederiyeh 9001	infant	1 - 5mo	
Dederiyeh 2					Dederiyeh 9015	adult		
Dederiyeh 2					Dederiyeh infant (93)	toddler	1 - 2 yrs.	
Mugharet el-Wad	? intrusive?	? intrusive?			El Wad G01			
Geulah - Cave A	040.3 - 043.7	3	40 - 60	3	Geulah 01 (I)			

Site	Date (kya)	Isotopic Stage	Biochronology (kya)	Bio-Isotopic Stage	Individual	Age Category	Age	Sex
Hayonim	050.0 - 060.0	3	50 - 60 (Upper E); 60 - 70 (Lower E)	3 - 4	HCM 01	toddler	2.5 - 3 yrs	
Hayonim	050.0 - 060.0	3	50 - 60 (Upper E); 60 - 70 (Lower E.)	3 - 4	HCM 02	infant?/toddler?/ child?/adolescent?		
Hayonim	050.0 - 060.0	3	50 - 60 (Upper E); 60 - 70 (Lower E)	3 - 4	HCM 03	infant?/toddler?/ child?/adolescent?		
Hayonim	050.0 - 060.0	3	50 - 60 (Upper E); 60 - 70 (Lower E)	3 - 4	HCM 04	infant?/toddler?/ child?/adolescent?		
Hayonim	050.0 - 060.0	3	50 - 60 (Upper E); 60 - 70 (Lower E)	3 - 4	HCM 05			
Hayonim	050.0 - 060.0	3	50 - 60 (Upper E); 60 - 70 (Lower E)	3 - 4	HCM 06	adolescent	12 - 16 yrs.	
Hayonim	050.0 - 060.0	3	50 - 60 (Upper E); 60 - 70 (Lower E)	3 - 4	HCM 07	infant?/toddler?/ child?/adolescent?		

Site	Date (kya)	Isotopic Stage	Biochronology (kya)	Bio-Isotopic Stage	Individual	Age Category	Age	Sex
Hayonim	050.0 - 060.0	3	50 - 60 (Upper E); 60 - 70 (Lower E)	3 - 4	HCM 08			
Hayonim	050.0 - 060.0	3	50 - 60 (Upper E); 60 - 70 (Lower E)	3 - 4	HCM 09	young adult		
Hayonim	050.0 - 060.0	3	50 - 60 (Upper E), 60 - 70 (Lower E)	3 - 4	HCM 10			
Hayonim	050.0 - 060.0	3	50 - 60 (Upper E); 60 - 70 (Lower E)	3 - 4	HCM 11	young adult		
Hayonim	050.0 - 060.0	3	50 - 60 (Upper E); 60 - 70 (Lower E)	3 - 4	HCM 12			
Hayonim	050.0 - 060.0	3	50 - 60 (Upper E); 60 - 70 (Lower E)	3 - 4	HCM 13			
Hayonim	050.0 - 060.0	3	50 - 60 (Upper E); 60 - 70 (Lower E)	3 - 4	HCM 14			

Site	Date (kya)	Isotopic Stage	Biochronology (kya)	Bio-Isotopic Stage	Individual	Age Category	Age	Sex
Hayonim	050.0 - 060.0	3	50 - 60 (Upper E); 60 - 70 (Lower E)	3 - 4	HCM 15			
Hayonim	050.0 - 060.0	3	50 - 60 (Upper E); 60 - 70 (Lower E)	3 - 4	HCM 16			
Hayonim	050.0 - 060.0 ?	3	50 - 60 (Upper E); 60 - 70 (Lower E)	3 - 4	HCM 20 (Tillier)			
Hayonim	050.0 - 060.0 ?	3	50 - 60 (Upper E); 60 - 70 (Lower E)	3 - 4	HCpM 01			
Hayonim	050.0 - 060.0 ?	3	50 - 60 (Upper E); 60 - 70 (Lower E)	3 - 4	HCpM 02			
Hayonim	050.0 - 060.0 ?	3	50 - 60 (Upper E); 60 - 70 (Lower E)	3 - 4	HCpM 03			
Hayonim	050.0 - 060.0 ?	3	50 - 60 (Upper E); 60 - 70 (Lower E)	3 - 4	HCpM 04			

Site	Date (kya)	Isotopic Stage	Biochronology (kya)	Bio-Isotopic Stage	Individual	Age Category	Age	Sex
Karain	056.0 - 070.0 (ESR/LU)	3 - 4			Karain ? (unknown # of individuals)			
Mugharet el-Kebarah	056.5 - 063.5	3	40 - 60	3	Kebara 01	infant	7 - 9 mo.	possibly male
Mugharet el-Kebarah	056.5 - 063.5	3	40 - 60	3	Kebara 02	adult	25 - 35 yrs.	male
Mugharet el-Kebarah	054.4 - 062.4	3	40 - 60	3	Kebara 03	child	8 - 10 yrs.	
Mugharet el-Kebarah	054.5 - 066.3	3	40 - 60	3	Kebara 04	infant	9 - 12 mo.	
Mugharet el-Kebarah	054.5 - 060.4 (estimate based FSR/EII)	3	40 - 60	3	Kebara 05	toddler	2 yrs.	
Mugharet el-Kebarah	054.4 - 062.4	3	40 - 60	3	Kebara 06	adult	>25 - 35 yrs.	

Site	Date (kya)	Isotopic Stage	Biochronology (kya)	Bio-Isotopic Stage	Individual	Age Category	Age	Sex
Mugharet el-Kebarah	054.5 - 066.3	3	40 - 60	3	Kebara 07	toddler	3 - 5 yrs	
Mugharet el-Kebarah	054.5 - 066.3	3	40 - 60	3	Kebara 08	infant	9 - 12 mo.	
Mugharet el-Kebarah	054.4 - 062.4	3	40 - 60	3	Kebara 09	adolescent/young adult	15 - 22 yrs	fenale (?)
Mugharet el-Kebarah	054.5 - 066.3	3	40 - 60	3	Kebara 10	adolescent/young adult	15 - 22 yrs.	female (?)
Mugharet el-Kebarah	054.4 - 062.4	3	40 - 60	3	Kebara 11	adult	<25 - 35 yrs.	
Mugharet el-Kebarah	056.5 - 063.5	3	40 - 60	3	Kebara 12	child	8 - 10 yrs.	
Mugharet el-Kebarah	056.5 - 063.5	3	40 - 60	3	Kebara 13	infant	6 - 8 mo.	

Site	Date (kya)	Isotopic Stage	Biochronology (kya)	Bio-Isotopic Stage	Individual	Age Category	Age	Sex
Mugharet el-Kebarah	044.8 - 048.3 (based on TL Unit VI)	3	40 - 60	3	Kebara 14	adolescent	12 yrs.	
Mugharet el-Kebarah	054.5 - 066.3	3	40 - 60	3	Kebara 15	infant	12 mos.	
Mugharet el-Kebarah	044.8 - 048.3 (based on TL Unit VI)	3	40 - 60	3	Kebara 16	child	5 - 6 yrs	
Mugharet el-Kebarah	054.4 - 062.4	3	40 - 60	3	Kebara 17			
Mugharet el-Kebarah	?	?	40 - 60 ?	3 ?	Kebara 18	adult		
Mugharet el-Kebarah	?	?	40 - 60 ?	3 ?	Kebara 19	adult		
Mugharet el-Kebarah	?	?	40 - 60 ?	3 ?	Kebara 20			

Site	Date (kya)	Isotopic Stage	Biochronology (kya)	Bio-Isotopic Stage	Individual	Age Category	Age	Sex
Mugharet el-Kebarah	?	?	40 - 60 ?	3 ?	Kebara 21	child	5 - 6 yrs.	
Mugharet el-Kebarah	?	?	40 - 60 ?	3 ?	Kebara 22	child	5 - 7 yrs.	
Mugharet el-Kebarah	?	?	40 - 60 ?	3 ?	Kebara 23	toddler	3 - 5 yrs	
Mugharet el-Kebarah	056.5 - 063.5 ?	?	40 - 60 ?	3 ?	Kebara 24	young adult		
Mugharet el-Kebarah	?	?	40 - 60 ?	3 ?	Kebara 25	infant	6 - 9 mo.	
Mugharet el-Kebarah	?	?	40 - 60 ?	3 ?	Kebara 26	infant	6 - 9 mon.	
Mugharet el-Kebarah	?	?	40 - 60 ?	3 ?	Kebara 27	adult		

Site	Date (kya)	Isotopic Stage	Biochronology (kya)	Bio-Isotopic Stage	Individual	Age Category	Age	Sex
Mugharet el-Kebarah	?	?	40 - 60 ?	3 ?	Kebara 28	adult		
Mugharet el-Kebarah	?	?	40 - 60 ?	3 ?	Kebara 29	infant	7 - 9 mo.	
Ksâr 'Akil	041.25 - 045.25	3			Ksâr 'Akil 02 (Ethelruda)			female
Magracik - unnamed cave (Merdivenli ? Kanal ?)	?	?	?	?	Magracik Teeth (3)			
Masloukh	120.0 - 150.0	5e - 6			Masloukh	adult (?)		
Djebel Kafzeh	086.0 - 104.0	5b - 5c	75 - 105	5a - 5c	Qafzeh 03	elderly adult	(30 - 50 yrs. ?)	female
Djebel Kafzeh	086.0 - 104.0	5b - 5c	75 - 105	5a - 5c	Qafzeh 04 (See Qafzeh 4a/21; 4/22)	child	6 - 8 yrs	

Site	Date (kya)	Isotopic Stage	Biochronology (kya)	Bio-Isotopic Stage	Individual	Age Category	Age	Sex
Djebel Kafzeh	086.0 - 104.0	5b - 5c	75 - 105	5a - 5c	Qafzeh 05	young adult		
Djebel Kafzeh	086.0 - 104.0	5b - 5c	75 - 105	5a - 5c	Qafzeh 06	adult		male
Djebel Kafzeh	080.6 - 116.0	5a - 5d	75 - 105	5a - 5c	Qafzeh 07	adult		
Djebel Kafzeh	080.6 - 116.0	5a - 5d	75 - 105	5a - 5c	Qafzeh 08	adult	< 50 yrs.	male
Djebel Kafzeh	080.6 - 116.0	5a - 5d	75 - 105	5a - 5c	Qafzeh 09	young adult	18 - 20 yrs.	female
Djebel Kafzeh	080.6 - 116.0	5a - 5d	75 - 105	5a - 5c	Qafzeh 10	child	5 yrs (Tillier 1995); 6 yrs (Defleur 1993).	
Djebel Kafzeh	082.5 - 99.9	5c	75 - 105	5a - 5c	Qafzeh 11	child/adolescent	10-15 yrs (Tillier 1995); 13-14 yrs (Defleur 1993)	probably male

Site	Date (kya)	Isotopic Stage	Biochronology (kya)	Bio-Isotopic Stage	Individual	Age Category	Age	Sex
Djebel Kafzeh	080.6 - 116.0	5a - 5d	75 - 105	5a - 5c	Qafzeh 12	toddler	1-4 yrs (Tillier 1995); 5-6 yrs (Defleur 1993)	
Djebel Kafzeh	092.1 - 094.7	5b	75 - 105	5a - 5c	Qafzeh 13	foetus?/newborn?/infant?	< 1yr.	
Djebel Kafzeh	080.6 - 116.0	5a - 5d	75 - 105	5a - 5c	Qafzeh 14	foetus?/newborn?/infant?	< 1 yr.	
Djebel Kafzeh	080.6 - 116.0	5a - 5d	75 - 105	5a - 5c	Qafzeh 15	child	5 yrs (Tillier 1995); 8 - 10 yrs. (Defleur 1993)	
Djebel Kafzeh	080.6 - 116.0	5a - 5d	75 - 105	5a - 5c	Qafzeh 16	adult?		
Djebel Kafzeh	080.6 - 116.0	5a - 5d	75 - 105	5a - 5c	Qafzeh 17	adult?		
Djebel Kafzeh	092.1 - 094.7	5b	75 - 105	5a - 5c	Qafzeh 18	infant?/toddler?/child?/adolescent?		

Site	Date (kya)	Isotopic Stage	Biochronology (kya)	Bio-Isotopic Stage	Individual	Age Category	Age	Sex
Djebel Kafzeh	?	?	75 - 105 ?	5a - 5c ?	Qafzeh 23	infant?/toddler?/ child?/adolescent?		
Djebel Kafzeh	?	?	75 - 105 ?	5a - 5c ?	Qafzeh 4/22	child	5 yrs.	
Djebel Kafzeh	?	?	75 - 105 ?	5a - 5c ?	Qafzeh 4a/21	toddler	3 - 4 yrs	
Ras el-Kelb	052.0 - 075.0	3 - 4			Ras el-Kelb 01	adolescent/young adult	16 - 20 yrs.	
Ras el-Kelb	052.0 - 075.0	3 - 4			Ras el-Kelb 02	adult	23 yrs.	
Ras el-Kelb	052.0 - 075.0	3 - 4			Ras el-Kelb 03	child	6 yrs	
Shanidar	045.3 - 048.3	3			Shanidar 01 (I)	adult	35 - 40 yrs	male

Site	Date (kya)	Isotopic Stage	Biochronology (kya)	Bio-Isotopic Stage	Individual	Age Category	Age	Sex
Shanidar	060.0	3			Shanidar 02 (II)	young adult	20 - 30 yrs.	male
Shanidar	047.0	3			Shanidar 03 (III)	elderly adult	40 - 50 yrs. (Trinkaus 1983)	male
Shanidar	060.0	3			Shanidar 04 (IV)	adult	30 - 45 yrs (Trinkaus 1983)	male
Shanidar	045.3 - 048.3	3			Shanidar 05 (V)	elderly adult	35 - 50 (Trinkaus 1983)	male
Shanidar	060.0	3			Shanidar 06 (VI)	adult	20 - 35 years (Trinkaus 1983)	female
Shanidar	070.0	4			Shanidar 07 (VII)	infant	8 - 9 mo.	undiagnostic (Trinkhaus 1983)
Shanidar	060,0	3			Shanidar 08 (VIII)	young adult		female

Site	Date (kya)	Isotopic Stage	Biochronology (kya)	Bio-Isotopic Stage	Individual	Age Category	Age	Sex
Shanidar	060.0	3			Shanidar 09 (IX)	newborn/infant	6 - 12 mo.	
Me'arat Shovakh (Shubbabiq)	040.0 - 060.0	3	40 - 60	3	Shovakh 01	adolescent/young adult	17 - 18 yrs	
Shukbah	060.0 - 080.0	3 - 4			Shukbah D01			
Mugharet es-Skhul	066.0 - 096.0	4 - 5b	50 - 70	3 - 4	Skhul 01 (I)	toddler	2.5 - 4.5 yrs	male - McCown 1939; (female - Tillier 1995)
Mugharet es-Skhul	066.0 - 096.0	4 - 5b	50 - 70	3 - 4	Skhul 02 (II)	adult	30 - 40 yrs.	female
Mugharet es-Skhul	066.0 - 096.0	4 - 5b	50 - 70	3 - 4	Skhul 03 (III)	adult		male
Mugharet es-Skhul	066.0 - 096.0	4 - 5b	50 - 70	3 - 4	Skhul 04 (IV)	adult	40 - 50 yrs	male

Site	Date (kya)	Isotopic Stage	Biochronology (kya)	Bio-Isotopic Stage	Individual	Age Category	Age	Sex
Mugharet es-Skhul	066.0 - 096.0	4 - 5b	50 - 70	3 - 4	Skhul 05 (V)	adult	30 - 40 yrs.	male
Mugharet es-Skhul	066.0 - 096.0	4 - 5b	50 - 70	3 - 4	Skhul 06 (VI)	adult	30 - 35 yrs.	male
Mugharet es-Skhul	066.0 - 096.0	4 - 5b	50 - 70	3 - 4	Skhul 07 (VII)	adult	35 - 40 yrs.	female
Mugharet es-Skhul	066.0 - 096.0	4 - 5b	50 - 70	3 - 4	Skhul 08 (VIII)	child	8 - 10 yrs	probably male
Mugharet es-Skhul	066.0 - 096.0	4 - 5b	50 - 70	3 - 4	Skhul 09 (IX)	elderly adult	c. 50 yrs.	male
Mugharet es-Skhul	066.0 - 096.0	4 - 5b	50 - 70	3 - 4	Skhul 10 (X)	toddler/child	4.0 - 5.5 yrs.	probably male
Mugharet es-Skhul	066.0 - 096.0	4 - 5b	50 - 70	3 - 4	Skhul 11			

Site	Date (kya)	Isotopic Stage	Biochronology (kya)	Bio-Isotopic Stage	Individual	Age Category	Age	Sex
Mugharet es-Skhul	066.0 - 096.0	4 - 5b	50 - 70	3 - 4	Skhul 12			
Mugharet es-Skhul	066.0 - 096.0	4 - 5b	50 - 70	3 - 4	Skhul 13			
Mugharet es-Skhul	066.0 - 096.0	4 - 5b	50 - 70	3 - 4	Skhul 14			female
Mugharet es-Skhul	066.0 - 096.0	4 - 5b	50 - 70	3 - 4	Skhul 15			
Mugharet es-Skhul	066.0 - 096.0	4 - 5b	50 - 70	3 - 4	Skhul 16			
Mugharet es-Skhul	066.0 - 096.0	4 - 5b	50 - 70	3 - 4	Skhul 17			
Mugharet es-Skhul	066.0 - 096.0	4 - 5b	50 - 70	3 - 4	Skhul 18			

Site	Date (kya)	Isotopic Stage	Biochronology (kya)	Bio-Isotopic Stage	Individual	Age Category	Age	Sex
Mugharet es-Skhul	066.0 - 096.0	4 - 5b	50 - 70	3 - 4	Skhul 19			
Mugharet es-Skhul	066.0 - 096.0	4 - 5b	50 - 70	3 - 4	Skhul 20			
Mugharet es-Skhul	066.0 - 096.0	4 - 5b	50 - 70	3 - 4	Skhul 21			
Mugharet es-Skhul	066.0 - 096.0	4 - 5b	50 - 70	3 - 4	Skhul 22			
Mugharet es-Skhul	066.0 - 096.0	4 - 5b	50 - 70	3 - 4	Skhul 23			
Mugharet es-Skhul	066.0 - 096.0	4 - 5b	50 - 70	3 - 4	Skhul 24			
Mugharet es-Skhul	066.0 - 096.0	4 - 5b	50 - 70	3 - 4	Skhul 25			

Site	Date (kya)	Isotopic Stage	Biochronology (kya)	Bio-Isotopic Stage	Individual	Age Category	Age	Sex
Mugharet es-Skhul	066.0 - 096.0	4 - 5b	50 - 70	3 - 4	Skhul 26			
Mugharet et-Tabun	075.0 - 097.0	4 - 5b	40 - 55	3	Tabun B01 (Series I)	child/adolescent	10 - 11 yrs.	male?
Mugharet et-Tabun	075.0 - 097.0	4 - 5b	40 - 55	3	Tabun B03	adult (?)		
Mugharet et-Tabun	075.0 - 097.0	4 - 5b	40 - 55	3	Tabun B04 (Series III)	adult (?)		
Mugharet et-Tabun	075.0 - 097.0	4 - 5b	40 - 55	3	Tabun B05 (Series IV)	adult (?)		
Mugharet et-Tabun	075.0 - 097.0	4 - 5b	40 - 55	3	Tabun BC?	infant?/toddler?/ child?/adolescent?		
Mugharet et-Tabun	075.0 - 097.0	4 - 5b	40 - 55	3	Tabun BC02 (Series II)	adult (?)		

Site	Date (kya)	Isotopic Stage	Biochronology (kya)	Bio-Isotopic Stage	Individual	Age Category	Age	Sex
Mugharet et-Tabun	075.0 - 097.0	4 - 5b	40 - 55	3	Tabun BC06	infant?/toddler?/ child?/adolescent?		
Mugharet et-Tabun	085.0 - 119.0	5b - 5d	55 - 65	3	Tabun C? (Tillier - 1995)	infant?/toddler?/ child?/adolescent?		
Mugharet et-Tabun	085.0 - 119.0	5b - 5d	55 - 65	3	Tabun C?? (Jelinek - 1992)			
Mugharet et-Tabun	085.0 - 119.0	5b - 5d	55 - 65	3	Tabun C01	adult	30 yrs. (approx.)	female
Mugharet et-Tabun	085.0 - 119.0	5b - 5d	55 - 65	3	Tabun C02	adult	30 - 35 yrs	male
Mugharet et-Tabun	085.0 - 119.0	5b - 5d	55 - 65	3	Tabun C03	adult (?)		female
Mugharet et-Tabun	085.0 - 119.0	5b - 5d	55 - 65	3	Tabun C04	adult (?)		female

Site	Date (kya)	Isotopic Stage	Biochronology (kya)	Bio-Isotopic Stage	Individual	Age Category	Age	Sex
Mugharet et-Tabun	085.0 - 119.0	5b - 5d	55 - 65	3	Tabun C05 (possible association with C6 and C7)	adult (?)		
Mugharet et-Tabun	085.0 - 119.0	5b - 5d	55 - 65	3	Tabun C06 (possible association with C5 and C7)	adult (?)		
Mugharet et-Tabun	085.0 - 119.0	5b - 5d	55 - 65	3	Tabun C07 (possible association with C5 and C6)	adult (?)		
Mugharet et-Tabun	120.0 - 188.0	5e - 6	128 - 210	6	Tabun E01	adult		male
Mugharet et-Tabun	130.0 - 172.0	5e - 6	128 - 210	6	Tabun E02	adult		female
Tamtama	?	?	?	?	Tamtama 01 (non-hominid; Trinkaus 1983)			
Mugharet el-Zuttiyeh	142.0 - 154.0	6	135 - 165	6	Zuttiyeh 01	young adult		male

Appendix 5.3: TABLE 3 - SKELETAL ELEMENTS

(pages 655 - 726)

Individual (a)	Cranium	Mandible	Teeth	Hyoid	Vertebrae	Ribs
Amud 01 (I)	present	present	several		present	present
Amud 02 (II)	right maxilla	upper: rt. roots C1; P3; P4				
Amud 03 (III)	right temporal; lt. maxilla (fragment); rt. frontal bone		upper: lt. dm1-2; M (unerupted); lower: rt. dm2			
Amud 04 (IV)	right temporal bone					
Amud 05 (V)						
Amud 07	occipital; parietal; temporal	present	several (ie. maxillary teeth germs)		present	present
Amud 08			upper: rt. dm			
Amud 09						
Amud 10						

Individual (b)	Clavicle	Sternum	Sacrum	Innominate	Scapula	Humerus	Ulna
Amud 01 (I)	left		present	present		left; right	left; right
Amud 02 (II)							
Amud 03 (III)							
Amud 04 (IV)							
Amud 05 (V)						1 present - no side given	
Amud 07		incomplete		incomplete	incomplete left; incomplete right	incomplete left; incomplete right	incomplete left; ncomplete right
Amud 08							
Amud 09							
Amud 10							

Individual (c)	Radius	Hand Bones	Femur	Tibia	Fibula	Patella
Amud 01 (I)	left; right	left; right	left; right (fragments)	left	left	
Amud 02 (II)						
Amud 03 (III)						
Amud 04 (IV)						
Amud 05 (V)	1 present - no side given			1 present - no side given		
Amud 07	incomplete left; incomplete right	phalanges (left; right)	incomplete left; incomplete right	incomplete left; incomplete right	incomplete left; incomplete right	
Amud 08						
Amud 09				left	left	
Amud 10	present - no side given					

Individual (d)	Foot Bones	Element Categories	Skeletal Categories
Amud 01 (I)	left	21	16
Amud 02 (II)		02	02
Amud 03 (III)		02	02
Amud 04 (IV)		01	01
Amud 05 (V)		03	03
Amud 07	phalanges (left; right)	25	16
Amud 08		01	01
Amud 09	left	03	03
Amud 10		01	01

Individual (a)	Cranium	Mandible	Teeth	Hyoid	Vertebrae	Ribs
Amud 11			upper: dc - very worn			
Amud 12						
Amud 13			molar (worn) - no side given			
Amud 14	left zygomatic (frontal process)					
Amud 15						
Amud 16						
Amud 17			upper: P (worn); M			
Amud 18						
Amud Isolated Tooth			lower rt. M2			

Individual (b)	Clavicle	Sternum	Sacrum	Innominate	Scapula	Humerus	Ulna
Amud 11							
Amud 12							
Amud 13							
Amud 14							
Amud 15							
Amud 16							
Amud 17							
Amud 18						present - no side given	
Amud Isolated Tooth							

Individual (c)	Radius	Hand Bones	Femur	Tibia	Fibula	Patella
Amud 11						
Amud 12	distal part - no side given					
Amud 13						
Amud 14						
Amud 15	present - no side given					
Amud 16			present - no side given			
Amud 17						
Amud 18						
Amud Isolated Tooth						

Individual (d)	Foot Bones	Element Categories	Skeletal Categories
Amud 11		01	01
Amud 12		01	01
Amud 13		01	01
Amud 14		01	01
Amud 15		01	01
Amud 16		01	01
Amud 17		01	01
Amud 18		01	01
Amud Isolated Tooth		01	01

Individual (a)	Cranium	Mandible	Teeth	Hyoid	Vertebrae	Ribs
Bisitun 01 (1)			rt. I2 (non-hominid; Trinkaus 1983)			
Dederiyeh 8901						
Dederiyeh 8902			lower: lt. I1			
Dederiyeh 8906						
Dederiyeh 8909						
Dederiyeh 9001						
Dederiyeh 9015						
Dederiyeh infant ('93)	neurocranium (no frontal); zygomatic; maxilla	present (body)	16 deciduous; 4 permanent		present	present - right side damaged
el-Wad G 01			M? - no side given			

Individual (b)	Clavicle	Sternum	Sacrum	Innominate	Scapula	Humerus	Ulna
Bisitun 01							
Dederiyeh 8901							left proximal end
Dederiyeh 8902							
Dederiyeh 8906							
Dederiyeh 8909							
Dederiyeh 9001						left	
Dederiyeh 9015					right; lateral part		
Dederiyeh infant (93)	right	ossification centers	bodies, costal elements, neural arches	right, left ilium & pubis; right ischium	left, right	left, right	left, right
El-Wad G 01							

Individual (c)	Radius	Hand Bones	Femur	Tibia	Fibula	Patella
Bisitun 01	no side given (hominid; Trinkaus 1983)					
Dederiyeh 8901						
Dederiyeh 8902						
Dederiyeh 8906						
Dederiyeh 8909		right 3rd proximal phalanx				
Dederiyeh 9001						
Dederiyeh 9015						
Dederiyeh infant (93)	left, right	left, right - incomplete	left (damaged); right	left (damaged); right	left (damaged); right	
El-Wad G 01						

Individual (d)	Foot Bones	Element Categories	Skeletal Categories
Bisitun 01		01	01
Dederiyeh 8901		01	01
Dederiyeh 8902		01	01
Dederiyeh 8906	left 1st proximal phalanx	01	01
Dederiyeh 8909		01	01
Dederiyeh 9001		01	01
Dederiyeh 9015		01	01
Dederiyeh infant (93)	left (incomplete)	26	18
El-Wad G 01		01	01

Individual (a)	Cranium	Mandible	Teeth	Hyoid	Vertebrae	Ribs
Geulah 01						
HCM 01			lower: rt. di2			
HCM 02	segments lt. orbit, fronto-squamosal; frontal-zygomatic; fronto parietal with suture					
HCM 03	lt. segment wing greater sphenoid; parts spheno-zygomatic, spheno-squamous with suture					
HCM 04	fragment of parietal bone					
HCM 05			lower: lt. M2			
HCM 06						
HCM 07						fragment fairly rounded body
HCM 08						

Individual (b)	Clavicle	Sternum	Sacrum	Innominate	Scapula	Humerus	Ulna
Geulah 01							left
HCM 01							
HCM 02							
HCM 03							
HCM 04							
HCM 05							
HCM 06							
HCM 07							
HCM 08							

Individual (c)	Radius	Hand Bones	Femur	Tibia	Fibula	Patella
Geulah 01				left, right		
HCM 01						
HCM 02						
HCM 03						
HCM 04						
HCM 05						
HCM 06				distal epiphysis - no side given		
HCM 07						
HCM 08						

Individual (d)	Foot Bones	Element Categories	Skeletal Categories
Geulah 01		03	02
HCM 01		01	01
HCM 02		01	01
HCM 03		01	01
HCM 04		01	01
HCM 05		01	01
HCM 06		01	01
HCM 07		01	01
HCM 08	middle phalanx 5th digit	01	01

Individual (a)	Cranium	Mandible	Teeth	Hyoid	Vertebrae	Ribs
HCM 09	fragments of parietal bone (heavily mineralized)					
HCM 10					C3 or C4	
HCM 11						
HCM 12						fragment with flat body
HCM 13						
HCM 14						
HCM 15						
HCM 16						
HCM 20					lower: lt. dm2	

Individual (b)	Clavicle	Sternum	Sacrum	Innominate	Scapula	Humerus	Ulna
HCM 09							
HCM 10							
HCM 11							
HCM 12							
HCM 13							
HCM 14							
HCM 15							
HCM 16							
HCM 20							

Individual (c)	Radius	Hand Bones	Femur	Tibia	Fibula	Patella
HCM 09						
HCM 10						
HCM 11					left proximal epiphysis	
HCM 12						
HCM 13		distal phalanx 5th digit - no side given				
HCM 14						
HCM 15		2nd phalanx 3rd digit - no side given				
HCM 16						
HCM 20						

Individual (d)	Foot Bones	Element Categories	Skeletal Categories
HCM 09		01	01
HCM 10		01	01
HCM 11		01	01
HCM 12		01	01
HCM 13		01	01
HCM 14	fragment lt. metatarsal	01	01
HCM 15		01	01
HCM 16	proximal epiphysis; partial diaphysis lt 3rd metatarsal	01	01
HCM 20		01	01

Individual (a)	Cranium	Mandible	Teeth	Hyoid	Vertebrae	Ribs
HCpM 01			upper: rt. M2 crown			
HCpM 02						
HCpM 03						
HCpM 04						
Karain - unknown # of individuals	cranial fragments ?		teeth ?			
Kebara 01	occipital, temporal, maxilla	present	germs all deciduous teeth		6 thoracic; 3 lumbar	present
Kebara 02		present	upper: M3; mandibular teeth	present	present	present
Kebara 03			upper: rt. dm1			
Kebara 04			upper: lt. di1; rt. di1, dm1; lower: lt. dc, dm1, germ M1; rt. di2, dc, dm1-2			

Individual (b)	Clavicle	Sternum	Sacrum	Innominate	Scapula	Humerus	Ulna
HCpM 01							
HCpM 02							
HCpM 03							
HCpM 04							
Karain - unknown # of individuals							
Kebara 01	left					rt. diaphysis	
Kebara 02	left, right	present	present	present	left; right	left, right	left, right
Kebara 03							
Kebara 04							

Individual (c)	Radius	Hand Bones	Femur	Tibia	Fibula	Patella
HCpM 01						
HCpM 02						
HCpM 03		rt. 1st digit metacarpal				
HCpM 04		rt. 5th digit proximal phalanx (hand or foot)				
Karain - unknown # of individuals						
Kebara 01			right	right		
Kebara 02	left, right	left, right	fragment left			
Kebara 03						
Kebara 04						

Individual (d)	Foot Bones	Element Categories	Skeletal Categories
HCpM 01		01	01
HCpM 02	rt. 1st digit metatarsal	01	01
HCpM 03		01	01
HCpM 04	rt 5th digit proximal phalanx (hand or foot)	01	01
Karain - unknown # of individuals		02	02
Kebara 01		09	09
Kebara 02		21	15
Kebara 03		01	01
Kebara 04		01	01

Individual (a)	Cranium	Mandible	Teeth	Hyoid	Vertebrae	Ribs
Kebara 05		fragment of symphysis - no dentition				
Kebara 06	fragment of rt. maxilla		upper: rt. M1, M2			
Kebara 07			lower: rt. di2			
Kebara 08			upper: lt. di2			
Kebara 09						
Kebara 10						
Kebara 11						
Kebara 12			upper: rt dm2			
Kebara 13			upper: lt.germ dm1			

Individual (b)	Clavicle	Sternum	Sacrum	Innominate	Scapula	Humerus	Ulna
Kebara 05							
Kebara 06							
Kebara 07							
Kebara 08							
Kebara 09							
Kebara 10							
Kebara 11	rt. acromial extremity						
Kebara 12							
Kebara 13							

Individual (c)	Radius	Hand Bones	Femur	Tibia	Fibula	Patella
Kebara 05						
Kebara 06						
Kebara 07						
Kebara 08						
Kebara 09						
Kebara 10						
Kebara 11						
Kebara 12						
Kebara 13						

Individual (d)	Foot Bones	Element Categories	Skeletal Categories
Kebara 05		01	01
Kebara 06		02	02
Kebara 07		01	01
Kebara 08		01	01
Kebara 09	rt. 4th metatarsal	01	01
Kebara 10	rt distal phalanx hallux	01	01
Kebara 11		01	01
Kebara 12		01	01
Kebara 13		01	01

Individual (a)	Cranium	Mandible	Teeth	Hyoid	Vertebrae	Ribs
Kebara 14			lower: M2 (no side given)			
Kebara 15			upper: rt. di2			
Kebara 16			lower: lt. di1			
Kebara 17						
Kebara 18		fragment - no side given	lower: M2 (no side given)			
Kebara 19			lower: rt M? crown fragment			
Kebara 20	parietal fragment					
Kebara 21			upper: lt. M1			
Kebara 22			upper: lt. dc			

Individual (b)	Clavicle	Sternum	Sacrum	Innominate	Scapula	Humerus	Ulna
Kebara 14							
Kebara 15							
Kebara 16							
Kebara 17	left acromial extremity						
Kebara 18							
Kebara 19							
Kebara 20							
Kebara 21							
Kebara 22							

Individual (c)	Radius	Hand Bones	Femur	Tibia	Fibula	Patella
Kebara 14						
Kebara 15						
Kebara 16						
Kebara 17						
Kebara 18						
Kebara 19						
Kebara 20						
Kebara 21						
Kebara 22						

Individual (d)	Foot Bones	Element Categories	Skeletal Categories
Kebara 14		01	01
Kebara 15		01	01
Kebara 16		01	01
Kebara 17		01	01
Kebara 18		02	02
Kebara 19		01	01
Kebara 20		01	01
Kebara 21		01	01
Kebara 22		01	01

Individual (a)	Cranium	Mandible	Teeth	Hyoid	Vertebrae	Ribs
Kebara 23			rt. di2			
Kebara 24			upper: lt. M3			
Kebara 25			upper: lt. dc, dm1, dm2 germs			
Kebara 26			upper: rt. di2 germ			
Kebara 27			upper: lt. I2			
Kebara 28			lower: rt. I2			
Kebara 29			lower: lt. di2			
Ksâr'Akil 02 (Ethelruda)	rt. maxilla; portion lt. maxilla		fragment root rt. C.			
Magracik Teeth (3 teeth, 1 to 3 individuals)			upper: 2 permanent molars; lower: 1 permanent molar (no sides given)			

Individual (b)	Clavicle	Sternum	Sacrum	Innominate	Scapula	Humerus	Ulna
Kebara 23							
Kebara 24							
Kebara 25							
Kebara 26							
Kebara 27							
Kebara 28							
Kebara 29							
Ksâr'Akil 02 (Ethelruda)							
Magracik Teeth (3)							

Individual (c)	Radius	Hand Bones	Femur	Tibia	Fibula	Patella
Kebara 23						
Kebara 24						
Kebara 25						
Kebara 26						
Kebara 27						
Kebara 28						
Kebara 29						
Ksâr'Akil 02 (Ethelruda)						
Magracik Teeth (3)						

Individual (d)	Foot Bones	Element Categories	Skeletal Categories
Kebara 23		01	01
Kebara 24		01	01
Kebara 25		01	01
Kebara 26		01	01
Kebara 27		01	01
Kebara 28		01	01
Kebara 29		01	01
Ksâr'Akil 02 (Ethelruda)		02	02
Magracik Teeth (3)		01	01

Individual (a)	Cranium	Mandible	Teeth	Hyoid	Vertebrae	Ribs
Masloukh			upper: M2			
Qafzeh 03	calotte; palatinum	not listed (Vandermeersch 1981); present (Oakley 1975)	upper: 2 I, 1 C, 3 M; lower 3 M		6 cervical; 2 thoracic, 5 others fragments	7 fragments
Qafzeh 04 (Qafzeh 4a/21; 4/22)	palatinum	present	upper: 1 I; 2 dc; 4 dm; lower: 4 di; 2 dc; 4 dm; 2 M			
Qafzeh 05	calotte; palatinum		upper: all except lt. I1 and both M3			
Qafzeh 06	present	not listed (Vandermeersch 1981; Oakley 1975); present (Defleur 1993)	upper: 2 I1, lt. I2, lt. P3, lt. P4, 2 M1, 2 M2			
Qafzeh 07	cranial fragments (palatinum)	body	upper: all present; lower: all present except rt. I2, rt. C, lt. M3			
Qafzeh 08	fragment rt. alveolar	part rt. body and symphysis	upper: rt. I2, rt. C, rt. P3, rt. P4, rt. M1; lower: lt. I2 - P4.			
Qafzeh 09	present	present	present		present	present
Qafzeh 10	present	present	present		present	present

Individual (b)	Clavicle	Sternum	Sacrum	Innominate	Scapula	Humerus	Ulna
Masloukh							
Qafzeh 03					rt acromion	left	right (proximal epiphysis)
Qafzeh 04							
Qafzeh 05							
Qafzeh 06							not listed (Vandermeersch 1981); no side given (Defleur 1993)
Qafzeh 07	not listed (Vandermeersch 1981); no side given (Oaklev 1975)						right
Qafzeh 08				rt. ischium	right	right	right distal extremity
Qafzeh 09	left; right	present	present	present	left; right	left; right	left; right
Qafzeh 10	left; right	present?	present	present	left; right	left; right	left; right

Individual (c)	Radius	Hand Bones	Femur	Tibia	Fibula	Patella
Masloukh						
Qafzeh 03	left	left; right	left, right	left; right	left; right	right
Qafzeh 04						
Qafzeh 05		no side given				
Qafzeh 06		not listed (Vandermeersch 1981); no side given (Defleur 1993)	left, right		not listed (Vandermeersch 1981); left, right (Defleur 1993)	
Qafzeh 07		right			left; right	
Qafzeh 08	right lower third	right	left; right	left; right	left; right	
Qafzeh 09	left; right	left; right	left; right	left; right	left; right	left; right
Qafzeh 10	left; right	left; right	left; right	left; right	left; right	left; right

Individual (d)	Foot Bones	Element Categories	Skeletal Categories
Masloukh		01	01
Qafzeh 03	left; right	19 (or 20)	14 (or 15)
Qafzeh 04		03	03
Qafzeh 05		03	03
Qafzeh 06	left (Vandermeersch 1981)	05 (to 10)	04 (to 08)
Qafzeh 07		07 or 08	06 or 07
Qafzeh 08	left, right	17	13
Qafzeh 09	left; right	30	19
Qafzeh 10	missing	28?	18

Individual (a)	Cranium	Mandible	Teeth	Hyoid	Vertebrae	Ribs
Qafzeh 11	present	present	present?		present	crushed
Qafzeh 12	present		present?			
Qafzeh 13	present		?			
Qafzeh 14	present (Defleur 1993); not present (Tillier 1995)		teeth (Tillier 1995); uncertain (Defleur 1993)			
Qafzeh 15	present	present	present?		present?	present?
Qafzeh 16			molar?			
Qafzeh 17			incisive			
Qafzeh 18			incisive			
Qafzeh 23 (Tillier 1995)			teeth? (Tillier 1995)			

Individual (b)	Clavicle	Sternum	Sacrum	Innominate	Scapula	Humerus	Ulna
Qafzeh 11	left?; right?	present?	present?	present; crushed	left?; right?	left?; right?	left?; right?
Qafzeh 12							
Qafzeh 13							
Qafzeh 14							
Qafzeh 15	left?; right?	present?			left?; right?	left?; right?	left?; right?
Qafzeh 16							
Qafzeh 17							
Qafzeh 18							
Qafzeh 23							

Individual (c)	Radius	Hand Bones	Femur	Tibia	Fibula	Patella
Qafzeh 11	left?; right?	left?; right?	left?; right? (crushed)	left?; right? (crushed)	left?; right? (crushed)	left?; right? (crushed)
Qafzeh 12						
Qafzeh 13						
Qafzeh 14						
Qafzeh 15	left?; right?	left?; right?	missing	missing	missing	missing
Qafzeh 16						
Qafzeh 17						
Qafzeh 18						
Qafzeh 23						

Individual (d)	Foot Bones	Element Categories	Skeletal Categories
Qafzeh 11	left?; right? (crushed)	30?	19
Qafzeh 12		02?	02?
Qafzeh 13		01?	01?
Qafzeh 14		01?	01?
Qafzeh 15	missing	18?	12?
Qafzeh 16		01	01
Qafzeh 17		01	01
Qafzeh 18		01	01
Qafzeh 23		01	01

Individual (a)	Cranium	Mandible	Teeth	Hyoid	Vertebrae	Ribs
Qafzeh 4/22 (Tillier 1995)						
Qafzeh 4a/21 (Tillier 1995)						
Ras el-Kelb 01			upper: left P			
Ras el-Kelb 02			upper: M2 (taurodont) - no side given			
Ras el-Kelb 03			upper dm2 - no side given			
Shanidar 01 (I)	present	present	all except lower lt. and rt. I1		present	present
Shanidar 02 (II)	present	present	all except lower: rt. I1		present	
Shanidar 03 (III)			4 teeth: upper rt. M3, lt. C; lower rt. C, lt. I2		present	present
Shanidar 04 (IV)	present	present	upper: lt. C, P3, P4; lower: rt. I1, I2, M1; lt. I1, I2, C, M3; lower unknown side P3, P4		present	present

Individual (b)	Clavicle	Sternum	Sacrum	Innominate	Scapula	Humerus	Ulna
Qafzeh 4/22							
Qafzeh 4a/21							
Ras el-Kelb 01							
Ras el-Kelb 02							
Ras el-Kelb 03							
Shanidar 01 (I)	left, right			present	left, right	left, right	left
Shanidar 02 (II)					left, right		
Shanidar 03 (III)	left right			present	left, right	left, right	left, right
Shanidar 04 (IV)	right		present	present	left, right	left, right	left, right

Individual (c)	Radius	Hand Bones	Femur	Tibia	Fibula	Patella
Qafzeh 4/22						
Qafzeh 4a/21						
Ras el-Kelb 01						
Ras el-Kelb 02						
Ras el-Kelb 03						
Shanidar 01 (I)	left	left	left (perhaps as fragments, right)	left, right	left, right	
Shanidar 02 (II)				left	left	
Shanidar 03 (III)	no side given	no side given		left, right	left, right	
Shanidar 04 (IV)	left, right	left, right	right	left, right	left, right	left

Individual (d)	Foot Bones	Element Categories	Skeletal Categories
Qafzeh 4/22		?	?
Qafzeh 4a/21		?	?
Ras el-Kelb 01		01	01
Ras el-Kelb 02		01	01
Ras el-Kelb 03		01	01
Shanidar 01 (I)	left, right	25	18
Shanidar 02 (II)		08	07
Shanidar 03 (III)	no side given	23	15
Shanidar 04 (IV)	no side given	26	17

Individual (a)	Cranium	Mandible	Teeth	Hyoid	Vertebrae	Ribs
Shanidar 05 (V)	present		upper rt. I1; lt. M1, M3		present	present
Shanidar 06 (VI)	present		upper: rt. C, P3, P4, M1, M2, M3; lt. P3, P4, M1, M2, M3; lower: rt. P3, P4, M2, M3; rt. C			
Shanidar 07 (Shanidar Baby)	present	present	15 deciduous; M1 ? (perhaps permanent molar bud?)		present	present
Shanidar 08 (VII)	present					
Shanidar 09 (VIII)					present	
Shovakh 01			lower: rt. M			
Shukbah D01	temporal, frontal		M? - no side given			
Skhul 01	calvaria	present	upper: lt. di1, dc, dm2; rt. dm2; lower: lt. di2, dm2; rt. dc, dm1-2; some unerupted crowns		present	present
Skhul 02	calvaria		upper: lt. C, P4-M2; lower: lt. I1, C- P4; rt. C			

Individual (b)	Clavicle	Sternum	Sacrum	Innominate	Scapula	Humerus	Ulna
Shanidar 05 (V)				present	no side given		left, right
Shanidar 06 (VI)			body	present		left, right	left, right
Shanidar 07 (Shanidar Baby)							no side given
Shanidar 08 (VII)						left, right (no side given but noted humeri)	
Shanidar 09 (VIII)							
Shovakh 01							
Shukbah D01							
Skhul 01	left, right	present	present	present	right	left, right	
Skhul 02						left; right	left; right

Individual (c)	Radius	Hand Bones	Femur	Tibia	Fibula	Patella
Shanidar 05 (V)	right	no side given	no side given	left	left	left, right
Shanidar 06 (VI)	left, right	left, right	left, right	left, right	left, right	right (could belong to #08)
Shanidar 07 (Shanidar Baby)		no side given	no side given	no side given		
Shanidar 08 (VII)	no side given	no side given			no side given	
Shanidar 09 (VIII)						
Shovakh 01						
Shukbah D01						
Skhul 01	left	left; right	left; right	left; right	left; right	
Skhul 02	left					

Individual (d)	Foot Bones	Element Categories	Skeletal Categories
Shanidar 05 (V)		16	13
Shanidar 06 (VI)	left, right	22	14
Shanidar 07 (Shanidar Baby)	no side given	11	10
Shanidar 08 (VII)	no side given	08	06
Shanidar 09 (VIII)		01	01
Shovakh 01		01	01
Shukbah D01		02	02
Skhul 01	left; right	24	17
Skhul 02		07	05

Individual (a)	Cranium	Mandible	Teeth	Hyoid	Vertebrae	Ribs
Skhul 03						
Skhul 04	present	present	nearly complete		present	present
Skhul 05	present	present	complete except for lower rt. P3		present	present
Skhul 06	calvaria	mandibular fragments	upper: lt. C; rt. M1; lower: lt. I1-I2, M2-M3			
Skhul 07	frontal; rt. malar; lt. temporal; fragment parietal and occipital	body; rt. ramus	upper: lt. I1-I2; M1-M3; rt. M1-M3; lower: lt. M1-M3, roots I2-P4; rt. M1-M3		3 vertebrae	6 rib fragments
Skhul 08						
Skhul 09	calvaria				present	present
Skhul 10		body	upper: lt. crowns C, M1; rt. crowns P3, M2; lower: lt. di1, dm1-2; rt. di1-2; some crowns			
Skhul 11		fragment left mandible				

Individual (b)	Clavicle	Sternum	Sacrum	Innominate	Scapula	Humerus	Ulna
Skhul 03							
Skhul 04	left; right	manubrium	present	present	left	left; right	left; right
Skhul 05	left; right		present	present	left; right	left; right	left; right
Skhul 06	left					left	left
Skhul 07	left	present	present	2 ilia	left	left; right diaphysis	left; right
Skhul 08							
Skhul 09			present	present	left		
Skhul 10						right (distal 1/3)	
Skhul 11							

Individual (c)	Radius	Hand Bones	Femur	Tibia	Fibula	Patella
Skhul 03			left	left	left	
Skhul 04	left; right	left; right	left; right	left; right		
Skhul 05	left; right	left; right	left; right	left; right	left	
Skhul 06	left		left; right	left; right	right	
Skhul 07	left; right		right	left; right	left; right	
Skhul 08			right	left; right	left	
Skhul 09		right	left			
Skhul 10						
Skhul 11						

Individual (d)	Foot Bones	Element Categories	Skeletal Categories
Skhul 03		03	03
Skhul 04	left; right	25	17
Skhul 05	left	25	17
Skhul 06		12	10
Skhul 07	left cuneiform, medial metatarsal; right talus, calcaneous	23	17
Skhul 08	left tarsus, metatarsal, 2 phalanges; right talus, calcaneous, navicular	06	04
Skhul 09	left; right	10	09
Skhul 10		03	03
Skhul 11		01	01

Individual (a)	Cranium	Mandible	Teeth	Hyoid	Vertebrae	Ribs
Skhul 12						
Skhul 13						
Skhul 14						
Skhul 15						
Skhul 16						
Skhul 17						
Skhul 18						
Skhul 19						
Skhul 20						

Individual (b)	Clavicle	Sternum	Sacrum	Innominate	Scapula	Humerus	Ulna
Skhul 12							
Skhul 13							
Skhul 14							
Skhul 15							
Skhul 16							
Skhul 17							
Skhul 18							
Skhul 19							
Skhul 20							

Individual (c)	Radius	Hand Bones	Femur	Tibia	Fibula	Patella
Skhul 12						left
Skhul 13						
Skhul 14				right diaphysis		
Skhul 15				left distal portion		
Skhul 16				left (splinter of shaft)		
Skhul 17			left (middle 1/3 of shaft)			
Skhul 18			right (middle 1/4 of shaft)			
Skhul 19			left (middle 1/6 of shaft)			
Skhul 20			left (middle portion of shaft)			

Individual (d)	Foot Bones	Element Categories	Skeletal Categories
Skhul 12		01	01
Skhul 13	left metatarsal	01	01
Skhul 14		01	01
Skhul 15		01	01
Skhul 16		01	01
Skhul 17		01	01
Skhul 18		01	01
Skhul 19		01	01
Skhul 20		01	01

Individual (a)	Cranium	Mandible	Teeth	Hyoid	Vertebrae	Ribs
Skhul 21	parietal					
Skhul 22						
Skhul 23						
Skhul 24						
Skhul 25						
Skhul 26	small, partly calcined cranial fragment					
Tabun B01 (Series I)			upper rt. I2 - M2;			
Tabun B03			lower: rt. I2			
Tabun B04 (Series III)			upper: lt. I1, I2			

Individual (b)	Clavicle	Sternum	Sacrum	Innominate	Scapula	Humerus	Ulna
Skhul 21							
Skhul 22						right (proximal part)	
Skhul 23						right (distal part of shaft)	
Skhul 24						left (splinter of shaft)	
Skhul 25						right (distal portion)	
Skhul 26							
Tabun B01 (Series I)							
Tabun B03							
Tabun B04 (Series III)							

Individual (c)	Radius	Hand Bones	Femur	Tibia	Fibula	Patella
Skhul 21						
Skhul 22						
Skhul 23						
Skhul 24						
Skhul 25						
Skhul 26						
Tabun B01 (Series 01)						
Tabun B03						
Tabun B04 (Series III)						

Individual (d)	Foot Bones	Element Categories	Skeletal Categories
Skhul 21		01	01
Skhul 22		01	01
Skhul 23		01	01
Skhul 24		01	01
Skhul 25		01	01
Skhul 26		01	01
Tabun B01 (Series I)		01	01
Tabun B03		01	01
Tabun B04 (Series III)		01	01

Individual (a)	Cranium	Mandible	Teeth	Hyoid	Vertebrae	Ribs
Tabun B05 (Series IV)			upper; lt M2; rt. M1.			
Tabun BC?			upper: rt. M2 or m2			
Tabun BC02 (Series II)			upper: lt. I2, M1; rt. P3, M1			
Tabun BC06			upper: rt. I1; lower: M2			
Tabun C? (Tillier 1995)			di - no side given			
Tabun C?? (Jelinek 1992)			lower: P - no side given			
Tabun C01	present	present	present		present	some present
Tabun C02		present	all lower except lt. I1			
Tabun C03						

Individual (b)	Clavicle	Sternum	Sacrum	Innominate	Scapula	Humerus	Ulna
Tabun B05 (Series IV)							
Tabun BC ?							
Tabun BC02 (Series II)							
Tabun BC06							
Tabun C ? (Tillier - 1995)							
Tabun C ?? (Jelinek 1992)							
Tabun C01	left, right	present		present	left	left, right	left, right
Tabun C02							
Tabun C03							

Individual (c)	Radius	Hand Bones	Femur	Tibia	Fibula	Patella
Tabun B05 (Series IV)						
Tabun BC ?						
Tabun BC02 (Series II)						
Tabun BC06						
Tabun C ? (Tillier - 1995)						
Tabun C?? (Jelinek - 1992)						
Tabun C01	left	left	left, right	left, right	left, right	left, right
Tabun C02						
Tabun C03			rt. diaphysis			

Individual (d)	Foot Bones	Element Categories	Skeletal Categories
Tabun B05 (Series IV)		01	01
Tabun BC ?		01	01
Tabun BC02 (Series II)		01	01
Tabun BC06		01	01
Tabun C ? (Tillier - 1995)		01	01
Tabun C ?? (Jelinek - 1992)		01	01
Tabun C01		24	17
Tabun C02		02	02
Tabun C03		01	01

Individual (a)	Cranium	Mandible	Teeth	Hyoid	Vertebrae	Ribs
Tabun C04						
Tabun C05 (possible association with 6 & 7)						
Tabun C06 (possible association with 5 & 7)						
Tabun C07 (possible association with 5 & 6)						
Tabun E01						
Tabun E02					lower: rt. M2	
Tamtama 01 (non-hominid; Trinkaus - 1983)						
Zuttiyeh 01	frontal; lt. zygomatic; rt. sphenoid					

Individual (b)	Clavicle	Sternum	Sacrum	Innominate	Scapula	Humerus	Ulna
Tabun C04							
Tabun C05 (possible association with 6 & 7)							
Tabun C06 (possible association with 5 & 7)							
Tabun C07 (possible association with 5 & 6)							
Tabun E01							
Tabun E02							
Tamtama 01 (non-hominid; Trinkhaus - 1983)							
Zuttiyeh 01							

Individual (c)	Radius	Hand Bones	Femur	Tibia	Fibula	Patella
Tabun C04	rt. distal part					
Tabun C05 (possible association with 6 & 7)		rt. hamatum				
Tabun C06 (possible association with 5 & 7)		rt. pisiform				
Tabun C07 (possible association with 5 & 6)		phalanx - proximal pollucis (no side given)				
Tabun E01			rt. diaphysis			
Tabun E02						
Tamtama 01 (non- hominid; Trinkhaus 1983)			diaphysis - no side given (non- hominid)			
Zuttiyeh 01						

Individual (d)	Foot Bones	Element Categories	Skeletal Categories
Tabun C04		01	01
Tabun C05 (possible association with 6 & 7)		01	01
Tabun C06 (possible association with 5 & 7)		01	01
Tabun C07 (possible association with 5 & 6)		01	01
Tabun E01		01	01
Tabun E02		01	01
Tamtama 01 (non- hominid; Trinkhaus - 1983)		0	0
Zuttiyeh 01		01	01

Appendix 5.4: TABLE 4 - BIOLOGICAL DATA

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Individual (a)	Designation	Stature (cm)	Element Categories	Skeletal Categories	Disease
Amud 01(I)	Homo (sapiens) neandertalensis	177.8 cm.	21	16	
Amud 02 (II)	Homo (sapiens) neandertalensis		02	02	
Amud 03 (III)	Homo (sapiens) neandertalensis (?)		02	02	
Amud 04 (IV)	Homo (sapiens) neandertalensis (?)		01	01	
Amud 05 (V)	Homo (sapiens) neandertalensis (?)		03	03	
Amud 07	Homo (sapiens) neandertalensis		25	16	
Amud 08	Homo (sapiens) neandertalensis (?)		01	01	
Amud 09	Homo (sapiens) neandertalensis (?)		03	03	
Amud 10	Homo (sapiens) neandertalensis (?)		01	01	
Amud 11	Homo (sapiens) neandertalensis (?)		01	01	
Amud 12	Homo (sapiens) neandertalensis (?)		01	01	

Individual (b)	Trauma	Stress	Miscellaneous Data
Amud 01 (I)			face missing - reconstruction based on other cranial bones; small molars
Amud 02 (II)			
Amud 03 (III)			
Amud 04 (IV)			
Amud 05 (V)			
Amud 07			face missing
Amud 08			
Amud 09			
Amud 10			
Amud 11			
Amud 12			

Individual (a)	Designation	Stature (cm)	Element Categories	Skeletal Categories	Disease
Amud 13	Homo (sapiens) neandertalensis (?)		01	01	
Amud 14	uncertain - disturbed		01	01	
Amud 15	uncertain - disturbed		01	01	
Amud 16	Homo (sapiens) neandertalensis (?)		01	01	
Amud 17	Homo (sapiens) neandertalensis (?)		01	01	
Amud 18	Homo (sapiens) neandertalensis (?)		01	01	
Amud Isolated Tooth			01	01	
Bisitun 01 (I)			01	01	
Dederiyeh 8901	Homo (sapiens) neandertalensis		01	01	
Dederiyeh 8902	Homo (sapiens) neandertalensis		01	01	
Dederiyeh 8906	Homo (sapiens) neandertalensis		01	01	

Individual (b)	Trauma	Stress	Miscellaneous Data
Amud 13			
Amud 14			
Amud 15			
Amud 16			
Amud 17			
Amud 18			
Amud Isolated Tooth			
Bisitun 01 (I)			
Dederiyeh 8901			
Dederiyeh 8902			
Dederiyeh 8906			

Individual (a)	Designation	Stature (cm)	Element Categories	Skeletal Categories	Disease
Dederiyeh 8909	Homo (sapiens) neandertalensis		01	01	
Dederiyeh 9001	Homo (sapiens) neandertalensis (?)	54.5 ± 1.5 cm.	01	01	
Dederiyeh 9015	Homo (sapiens) neandertalensis		01	01	
Dederiyeh infant ('93)	Homo (sapiens) neandertalensis	83 cm,	26	18	
el-Wad G01	?		01	01	
Geulah 01	uncertain		03	02	
HCM 01	Mousterian		01	01	
HCM 02	Mousterian		01	01	
HCM 03	Mousterian		01	01	
HCM 04	Mousterian		01	01	
HCM 05	Mousterian		01	01	

Individual (b)	Trauma	Stress	Miscellaneous Data
Dederiyeh 8909			
Dederiyeh 9001			
Dederiyeh 9015			
Dederiyeh Infant (93)			
El Wad G			possibly intrusive
Geulah 01			
HCM 01			
HCM 02			
HCM 03			
HCM 04			
HCM 05			

Individual (a)	Designation	Stature (cm)	Element Categories	Skeletal Categories	Disease
HCM 06	Mousterian		01	01	
HCM 07	Mousterian		01	01	
HCM 08	Mousterian		01	01	
HCM 09	Mousterian		01	01	
HCM 10	Mousterian		01	01	
HCM 11	Mousterian		01	01	
HCM 12	Mousterian		01	01	
HCM 13	Mousterian		01	01	
HCM 14	Mousterian		01	01	
HCM 15	Mousterian		01	01	
HCM 16	Mousterian		01	01	

Individual (b)	Trauma	Stress	Miscellaneous Data
HCM 06			
HCM 07			
HCM 08			
HCM 09			
HCM 10			
HCM 11			
HCM 12			
HCM 13			
HCM 14			
HCM 15			
HCM 16			

Individual (a)	Designation	Stature (cm)	Element Categories	Skeletal Categories	Disease
HCM 20 ? (Tillier)	Mousterian		01	01	
HCpM 01	Mousterian ?		01	01	
HCpM 02	Mousterian ?		01	01	
HCpM 03	Mousterian ?		01	01	
HCpM 04	Mousterian ?		01	01	
Karain ? (unknown # of individuals)	Homo (sapiens) neandertalensis		2 cranial fragments & teeth	2 cranial fragments & teeth	
Kebara 01	Mousterian (Neandertal affinities)		09	09	
Kebara 02	Mousterian (Neandertal affinities)	± 174.0 cm. (173 cm. Arensburg et al	21	15	pleural irritation
Kebara 03	Mousterian ? (more modern affinities)		01	01	
Kebara 04	Mousterian		01	01	
Kebara 05	Mousterian		01	01	

Individual (b)	Trauma	Stress	Miscellaneous Data
HCM 20 ? (Tillier)			
HCpM 01			
HCpM 02			
HCpM 03			
HCpM 04			
Karain ? (unknown # of individuals)			
Kebara 01			
Kebara 02		ossification ribs, sternum. vertebrae; advanced osteoarthritis C2 - C3; S1 sciatica	differs from other Levantine Neandertals: mandibular robusticity, size of sacrum , cotylo-sciatic breadth
Kebara 03			
Kebara 04			
Kebara 05			

Individual (a)	Designation	Stature (cm)	Element Categories	Skeletal Categories	Disease
Kebara 06	Mousterian		02	02	
Kebara 07	Mousterian		01	01	
Kebara 08	Mousterian		01	01	
Kebara 09	Mousterian (affinities to Neandertals and modern humans)		01	01	
Kebara 10	Mousterian (affinities to Neandertals and modern humans)		01	01	
Kebara 11	Mousterian		01	01	
Kebara 12	Mousterian		01	01	
Kebara 13	Mousterian		01	01	
Kebara 14	Mousterian ?		01	01	
Kebara 15	Mousterian		01	01	
Kebara 16	Mousterian ?		01	01	

Individual (b)	Trauma	Stress	Miscellaneous Data
Kebara 06			
Kebara 07			
Kebara 08			
Kebara 09			
Kebara 10			possibly pathological
Kebara 11			
Kebara 12			
Kebara 13			
Kebara 14			
Kebara 15			
Kebara 16			

Individual (a)	Designation	Stature (cm)	Element Categories	Skeletal Categories	Disease
Kebara 17	Mousterian		01	01	
Kebara 18	?		02	02	
Kebara 19	?		01	01	
Kebara 20	?		01	01	
Kebara 21	Mousterian ?		01	01	
Kebara 22	Mousterian ?		01	01	
Kebara 23	Mousterian ?		01	01	
Kebara 24	Mousterian		01	01	
Kebara 25	Mousterian ?		01	01	
Kebara 26	Mousterian ?		01	01	
Kebara 27	Mousterian ?		01	01	

Individual (b)	Trauma	Stress	Miscellaneous Data
Kebara 17			
Kebara 18			
Kebara 19			
Kebara 20			
Kebara 21			
Kebara 22			
Kebara 23			
Kebara 24			
Kebara 25			
Kebara 26			
Kebara 27			

Individual (a)	Designation	Stature (cm)	Element Categories	Skeletal Categories	Disease
Kebara 28	Mousterian ?		01	01	
Kebara 29	Mousterian ?		01	01	
Ksâr 'Akil 02	Homo (sapiens) neandertalensis		02	02	
Magracik Teeth (3)	?		3 teeth	3 teeth	
Masloukh	Homo (sapiens) neandertalensis		01	01	
Qafzeh 03	Homo sapiens sapiens		19 (or 20)	14 (or 15)	
Qafzeh 04 (See Qafzeh 4a/21; 4/22)	Homo sapiens sapiens		03	03	
Qafzeh 05	Homo sapiens sapiens		03	03	
Qafzeh 06	Homo sapiens sapiens		05 (to 10)	04 (to 08)	
Qafzeh 07	Homo sapiens sapiens		07 (or 08)	06 (or 07)	
Qafzeh 08	Homo sapiens sapiens		17	13	

Individual (b)	Trauma	Stress	Miscellaneous Data
Kebara 28			
Kebara 29			
Ksâr'Akil 02			
Magracik Teeth (3)			
Masloukh			
Qafzeh 03			
Qafzeh 04			
Qafzeh 05			
Qafzeh 06			
Qafzeh 07			
Qafzeh 08	crush fracture talus; digitigrade gait ?		

Individual (a)	Designation	Stature (cm)	Element Categories	Skeletal Categories	Disease
Qafzeh 09	Homo sapiens sapiens		30	19	
Qafzeh 10	Homo sapiens sapiens		27 (or 28)	17 (or 18)	
Qafzeh 11	Homo sapiens sapiens	probably male	30 ?	19?	
Qafzeh 12	Homo sapiens sapiens		01 (or 02)	01 (or 02)	
Qafzeh 13	Homo sapiens sapiens		01 (or 02)	01 (or 02)	
Qafzeh 14	Homo sapiens sapiens		01 (or 02)	01 (or 02)	
Qafzeh 15	Homo sapiens sapiens		18?	12?	
Qafzeh 16	Homo sapiens sapiens		01	01	
Qafzeh 17	Homo sapiens sapiens		01	01	
Qafzeh 18	Homo sapiens sapiens		01	01	
Qafzeh 23	Homo sapiens sapiens		?	?	

Individual (b)	Trauma	Stress	Miscellaneous Data
Qafzeh 09			
Qafzeh 10			
Qafzeh 11	cranial fracture on rt. side; some healing; may be cause of death		
Qafzeh 12			
Qafzeh 13			
Qafzeh 14			
Qafzeh 15			lower half of body missing - no explanation
Qafzeh 16			
Qafzeh 17			
Qafzeh 18			
Qafzeh 23			

Individual (a)	Designation	Stature (cm)	Element Categories	Skeletal Categories	Disease
Qafzeh 4/22	Homo sapiens sapiens		?	?	
Qafzeh 4a/21	Homo sapiens sapiens		?	?	
Ras el-Kelb 01	Homo (sapiens) neandertalensis		01	01	
Ras el-Kelb 02	uncertain - slightly more modern than #1		01	01	
Ras el-Kelb 03	uncertain - slightly more modern than #1		01	01	
Shanidar 01 (I)	Homo (sapiens) neandertalensis	175 - 180 cm.	25	18	degenerative joint disease; age-related arthritis
Shanidar 02 (II)	Homo (sapiens) neandertalensis	158 cm.; 161.9 cm.	08	07	
Shanidar 03 (III)	Homo (sapiens) neandertalensis		23	15	degenerative joint disease; possible pneumo-thorax
Shanidar 04 (IV)	Homo (sapiens) neandertalensis (?)	162.4 cm.; 164.2 cm.; 172.4 cm.	26	17	
Shanidar 05 (V)	Homo (sapiens) neandertalensis		17	14	
Shanidar 06 (VI)	Homo (sapiens) neandertalensis	149.6 cm. (58")	22	14	

Individual (b)	Trauma	Stress	Miscellaneous Data
Qafzeh 4/22			
Qafzeh 4a/21			
Ras el-Kelb 01			
Ras el-Kelb 02			taurodont tooth
Ras el-Kelb 03			
Shanidar 01 (I)	damaged left side of cranium and orbit; abnormal left tibia with injury; amputation right forearm	abnormal wear on teeth	incipient chin (lacks gonial angle); taller than Classical; prebregmatic flattening (deformation?)
Shanidar 02 (II)	likely, killed by rock fall		vertebral column twisted around back of skull; small degree eversion gonial angle; teeth not worn
Shanidar 03 (III)	injury - right ankle; perforation 9th left rib;	stage 2 arthritic lipping of vertebrae (age or stress related)	
Shanidar 04 (IV)	scar - middle rib fracture		possible peri-mortem loss lower molars; heavy tartar - upper molars; right handed (?)
Shanidar 05 (V)	perforation left frontal; likely killed by rockfall		occipital flattening - possible cranial deformation
Shanidar 06 (VI)			

Individual (a)	Designation	Stature (cm)	Element Categories	Skeletal Categories	Disease
Shanidar 07	Homo (sapiens) neandertalensis		11	10	
Shanidar 08 (VII)	Homo (sapiens) neandertalensis		08	06	
Shanidar 09 (VIII)	Homo (sapiens) neandertalensis		01	01	
Shovakh 01			01	01	
Shukbah D01	Homo (sapiens) neandertalensis		02	02	
Skhul 01 (I)	Homo sapiens sapiens	91.9 ± 1.5 cm.	24	17	
Skhul 02 (II)	Homo sapiens sapiens		07	05	
Skhul 03 (III)	Homo sapiens sapiens		03	03	
Skhul 04 (IV)	Homo sapiens sapiens	176.2 cm.	25	17	
Skhul 05 (V)	Homo sapiens sapiens	185.7 cm.	25	17	
Skhul 06 (VI)	Homo sapiens sapiens		12	10	

Individual (b)	Trauma	Stress	Miscellaneous Data
Shanidar 07 (Shanidar Baby)			
Shanidar 08 (VII)			
Shanidar 09 (VIII)			
Shovakh 01			tooth wear indicates diet of heavy fibrous material
Shukbah D01			
Skhul 01 (I)	rectangular perforation rt. ear and glenoid cavity		
Skhul 02 (II)			
Skhul 03 (III)			possible association with Skhul 2; rejected by McCown based on robusticity
Skhul 04 (IV)			
Skhul 05 (V)			
Skhul 06 (VI)			

Individual (a)	Designation	Stature (cm)	Element Categories	Skeletal Categories	Disease
Skhul 07 (VII)	Homo sapiens sapiens		23	17	
Skhul 08 (VIII)	Homo sapiens sapiens		06	04	
Skhul 09 (IX)	Homo sapiens sapiens		10	09	
Skhul 10 (X)	Homo sapiens saapiens		03	03	
Skhul 11	Homo sapiens sapiens		01	01	
Skhul 12	Homo sapiens sapiens		01	01	
Skhul 13	Homo sapiens sapiens		01	01	
Skhul 14	Homo sapiens sapiens		01	01	
Skhul 15	Homo sapiens sapiens		01	01	
Skhul 16	Homo sapiens sapiens		01	01	
Skhul 17	Homo sapiens sapiens		01	01	

Individual (b)	Trauma	Stress	Miscellaneous Data
Skhul 07 (VII)			
Skhul 08 (VIII)			
Skhul 09 (IX)	53mm.. perforation across head of femur into wall of acetabulum; crushed occipital and left parietal		pubis - similar to Neandertal
Skhul 10 (X)			
Skhul 11			
Skhul 12			
Skhul 13			
Skhul 14			
Skhul 15			
Skhul 16			
Skhul 17			

Individual (a)	Designation	Stature (cm)	Element Categories	Skeletal Categories	Disease
Skhul 18	Homo sapiens sapiens		01	01	
Skhul 19	Homo sapiens sapiens		01	01	
Skhul 20	Homo sapiens sapiens		01	01	
Skhul 21	Homo sapiens sapiens		01	01	
Skhul 22	Homo sapiens sapiens		01	01	
Skhul 23	Homo sapiens sapiens		01	01	
Skhul 24	Homo sapiens sapiens		01	01	
Skhul 25	Homo sapiens sapiens		01	01	
Skhul 26	Homo sapiens sapiens		01	01	
Tabun B01 (Series I)	?		01	01	
Tabun B03	?		01	01	

Individual (b)	Trauma	Stress	Miscellaneous Data
Skhul 18			
Skhul 19			
Skhul 20			
Skhul 21			
Skhul 22			
Skhul 23			
Skhul 24			
Skhul 25			
Skhul 26			
Tabun B01 (Series I)			
Tabun B03			

Individual (a)	Designation	Stature (cm)	Element Categories	Skeletal Categories	Disease
Tabun B04 (Series III) ?			01	01	
Tabun B05 (Series IV) ?			01	01	
Tabun BC?	?		01	01	
Tabun BC02 (Series II)	?		01	01	
Tabun BC06	?		01	01	
Tabun C? (Tillier - 1995)	uncertain		01	01	
Tabun C?? (Jelinek - 1992)	uncertain		01	01	
Tabun C01	Homo (sapiens) neandertalensis (some modern features)		24	17	
Tabun C02	Homo sapiens sapiens or Homo (sapiens) neandertalensis (Trinkhaus; Smith)		02	02	
Tabun C03	?		01	01	
Tabun C04	?		01	01	

Individual (b)	Trauma	Stress	Miscellaneous Data
Tabun B04 (Series III)			
Tabun B05 (Series IV)			
Tabun BC ?			
Tabun BC02 (Series II)			
Tabun BC06			
Tabun C? (Tillier - 1995)			
Tabun C?? (Jelinek -			
Tabun C01			rounded occipital region; small dentition; small articular surfaces
Tabun C02			retro-molar space; mental eminence; very robust
Tabun C03			similar to Tabun C01
Tabun C04			

Individual (a)	Designation	Stature (cm)	Element Categories	Skeletal Categories	Disease
Tabun C05	?		01	01	
Tabun C06	/		01	01	
Tabun C07	?		01	01	
Tabun E01	undiagnostic		01	01	
Tabun E02	undiagnostic		01	01	
Tamtama 01 (I)	?; non-hominid (Trinkhaus -1983)		0	0	
Zuttiyeh 01	Homo sapiens sapiens ?		01	01	

Individual (b)	Trauma	Stress	Miscellaneous Data
Tabun C05			possible association with 6 & 7
Tabun C06			possible association with 5 & 7
Tabun C07			possible association with 5 & 6
Tabun E01			
Tabun E02			
Tamtama 01 (I)			
Zuttiyeh 01			

Appendix 5.5: TABLE 5 - LOCATION IN SITE

(pages 759 - 774)

Individual (a)	Location in Site	Level/Unit	Layer	Depth	Square
Amud 01 (I)	away from N. wall; more central; at edge of porch	B1	B1/6	130 cm. below 1991 - 1994 datum	G6/H6-7
Amud 02 (II)	away from N. wall; more central; middle terrace (?)	B2	B2/8	380 cm. below 1991 - 1994 datum	O8B
Amud 03 (III)	away from N. cave wall; more central; middle terrace (?)	B2	B2/8	370 cm. below 1991 - 1994 datum	O7b-d
Amud 04 (IV)	near to or away from N. wall (?); middle terrace (?)	B4	B4	460 cm. below 1991 - 1994 datum	N5b
Amud 05 (V)	near N. wall; middle to upper terrace (?)	B1 - B2 (B1 - Hovers)	B1/6 - B2/7 (layers 6 & 7 inseparable)	235 - 255 cm. below 1991 - 1994 datum	L3a
Amud 07	0.0 m. from N. wall; on bedrock in niche in N. wall: upper terrace (?)	B2	B2/8	270 cm. below 1991 - 1994 datum	K3a
Amud 08	near N. wall; upper terrace (?)	B1	B1/6	199 cm. below 1991 - 1994 datum	J3d
Amud 09	near N. wall; middle terrace (?)	B2	B2/8	338 - 345 cm. below 1991 - 1994 datum	O2c
Amud 10	near N. wall; middle terrace (?)	B2	B2/10	375 - 385 cm. below 1991 - 1994 datum	M4c

Individual (a)	Location in Site	Level/Unit	Layer	Depth	Square
Amud 11	near N. wall; upper terrace (?)	B2	B2/7	250 - 255 cm. below 1991 - 1994 datum	J4a
Amud 12	near N. wall; middle terrace (?)	B2	B2/10	338 cm. below 1991 - 1994 datum	M3B
Amud 13	near N. wall; middle terrace (?)	B2	B2/10	342 - 350 cm. below 1991 - 1994 datum	M3c
Amud 14	disturbed; near N. wall	disturbed	disturbed	230 - 235 cm. below 1991 - 1994 datum	L3c
Amud 15	disturbed; near N. wall	disturbed	disturbed	189 - 194 cm. below 1991 - 1994 datum	I3d
Amud 16	near N. wall; upper terrace (?)	B1	B1/6	203 - 209 cm. below 1991 - 1994 datum	I3d
Amud 17	near N. wall; middle terrace (?)	B2	B2/8	354 - 365 cm. below 1991 - 1994 datum	P2b-c
Amud 18	near N. wall; middle terrace (?)	B2	B2/8	366 cm. below 1991 - 1994 datum	O2b
Amud Isolated Tooth	near head of Amud 01; away from N. wall?	B1? or A2?			

Individual (a)	Location in Site	Level/Unit	Layer	Depth	Square
Bisitun 01					
Dederyeh 8901	not found "in situ"	not given		not given	not given
Dederyeh 8902	not found "in situ"	not given		not given	not given
Dederyeh 8906	not found "in situ"	not given		not given	not given
Dederyeh 8909	not found "in situ"	not given		not given	not given
Dederyeh 9001					
Dederyeh 9015	not found "in situ"	not given		not given	not given
Dederyeh infant (93)	2.0 m. from N. wall; 1.0 - 1.5 m. from east wall; back of cave; central position	8		1.5 below top of D6	D6
El Wad G ?	Chamber I; crevice in barrier separating swallow holes	G (could be intrusive)		3.5 m. (Garrod); 4.5 m. (Oakley)	

Individual (a)	Location in Site	Level/Unit	Layer	Depth	Square
Geulah 01 (I)		B2			
HCM 01					I24
HCM 02					J22b
HCM 03					J22b
HCM 04					J22b
HCM 05					J22b
HCM 06					J22b
HCM 07					J22b
HCM 08					J22d

Individual (a)	Location in Site	Level/Unit	Layer	Depth	Square
HCM 09					K22d
HCM 10					G21a
HCM 11					J22a
HCM 12					J22b
HCM 13					J21b
HCM 14					G19 - F19
HCM 15					I23a
HCM 16					I23a - I23b
HCpM 01					J23b

Individual (a)	Location in Site	Level/Unit	Layer	Depth	Square
HCpM 02					J22c
HCpM 03					J22c
HCpM 04					J22c
Kebara 01	base of hummock near N. wall	X		6.83 - 6.90 m.	N. W. corner A'6
Kebara 02	more central in cave	XII (from XI)		7.30 m.	M20
Kebara 03	near N. wall	IX		6.07 - 6.37 m.	A ²³ - A ²⁴
Kebara 04	near N. wall	X		6.63 - 6.67 m.	A ²⁶
Kebara 05	more central	IX/X		6.20 - 6.30 m.	A6
Kebara 06	near N. wall	IX		6.43 - 6.53 m.	A ²⁴

Individual (a)	Location in Site	Level/Unit	Layer	Depth	Square
Kebara 07	near N. wall	X		6.98 m.	A ²³
Kebara 08	near N. wall	X		6.63 - 6.67 m.	A ²⁶
Kebara 09	near N. wall; in kitchen midden	IX		6.43 - 6.53 m.	A ²⁴
Kebara 10	near N. wall; in kitchen midden	X		6.52 - 6.65 m.	A ²⁶
Kebara 11	near N. wall	IX		6.43 - 6.55 m.	A ²⁴
Kebara 12	near N. wall	XI		7.60 - 7.65 m.	H17
Kebara 13	near N. wall	XI		7.65 - 7.70 m.	H17b
Kebara 14	central and near entrance	V/VI		3.51 m.	N26a
Kebara 15	more central	X		6.87 m.	M16d

Individual (a)	Location in Site	Level/Unit	Layer	Depth	Square
Kebara 16	central and near entrance	V/VI		3.77 m.	N26a
Kebara 17	near N. wall	IX		6.43 - 6.53 m.	A ² 4
Kebara 18	in fill - Turville-Petre sounding				
Kebara 19	in fill - Turville-Petre sounding				
Kebara 20	in fill - Turville-Petre sounding				
Kebara 21	surface - terrace	S		4.55 - 4.70 m.	S; T30
Kebara 22	surface - terrace	S		4.55 - 4.70 m.	S; T30
Kebara 23	surface - terrace	S		4.55 - 4.70 m.	S, T30
Kebara 24	near N. wall	XIN		8.30 - 8.35 m.	E18a

Individual (a)	Location in Site	Level/Unit	Layer	Depth	Square
Kebara 25	near N. wall; reworked deposits	R2		7.65 - 7.85 m.	E18a - E18c
Kebara 26	near N. wall, reworked deposits	R2		7.85 - 8.0 m.	D18
Kebara 27	near N. wall, reworked deposits	R2		8.15 - 8.35 m.	D18
Kebara 28	near N. wall				A ²³
Kebara 29	near N. wall	R1		7.50 - 7.70 m.	D18d
Ksâr 'Akil 02 (Ethelruda)	3 m. from cliff face	XXV		15 m.	
Magracik Teeth (3)	lower part of Middle Palaeolithic layer			200 - 220 cm.	
Masloukh		A, B, or C (?)			
Qafzeh 03	eastern half of vestibule; near S. border of porch	L (XVII - XIX)		under 3 m of Mousterian deposits	A ²¹³ - A ³¹³ (see man)

Individual (a)	Location in Site	Level/Unit	Layer	Depth	Square
Qafzeh 04 (Qafzeh 4a21 and 4/22)	near S. E. wall of terrace sondage	L (XVII - XIX)		2.5 m. below top of Mousterian levels	
Qafzeh 05	against S. E. wall of terrace sondage	L (XVII - XIX)		3.2 m. below top of Mousterian levels	
Qafzeh 06	terrace, inside vestibule; 1.5 m. N. of Qafzeh 3	L (XVII - XIX)			A ² 14
Qafzeh 07	against Qafzeh 6; on terrace in vestibule	L (XVII - XIX)		+/- 3.2 m. below top of Mousterian levels	A ² 14
Qafzeh 08	upper part of layer; at foot of rocky bank on terrace in vestibule	XVII		3.7 m. below datum	B16
Qafzeh 09	1 m. S. of Qafzeh 8; on terrace in vestibule; rested perfectly horizontal in sloping deposit	XVII		4.7 m. below datum	B14 - A14
Qafzeh 10	a few cm. from, at foot of, and perpendicular to Qafzeh 9; perfectly horizontal in sloping deposit;	XVII		4.6 m. below datum	B13 - A13
Qafzeh 11	on terrace in vestibule; near Qafzeh 10 (60 cm below)	XXII		5.45 m. below datum	A13
Qafzeh 12	on terrace near edge of vestibule; S. W. of Qafzeh 10; S. to S. E. of Qafzeh 15	XVII		5.0 m. below datum	B13

Individual (a)	Location in Site	Level/Unit	Layer	Depth	Square
Qafzeh 13	on terrace in vestibule; east of Qafzeh 11	XVa		4.5 m. below datum	A'13
Qafzeh 14	on terrace near edge of vestibule; S. to S. E. of Qafzeh 11; in a hearth	XVII		5.16 m. below datum	A12
Qafzeh 15	on terrace in vestibule; 1 m. west of Qafzeh 9	XVII		4.43 m. below datum	C14
Qafzeh 16		XVII			A12 ?
Qafzeh 17		XVII			A12 ?
Qafzeh 18		XV			C11 ?
Ras el-Kelb 01	tunnel section (?)	Complex III	Layer K	2.45 m. below surface	
Shanidar 01 (I)	central in cave; in upper region of level D.	D		4.34 m. below datum; 4.11 m. below surface	A7 to B7
Shanidar 02 (II)	central in cave; 3 m. deeper than Shanidar I	D		7.21 m. below datum (Defleur); 7.25 m. (Stewart)	D8 to E8

Individual (a)	Location in Site	Level/Unit	Layer	Depth	Square
Shanidar 03 (III)	central in cave; N.E. corner B9; 70 cm. deeper than Shanidar I	D		5.43 m. below datum (Defleur); 5.40 m. (Stewart)	A 9 (A8, B8, B9)
Shanidar 04 (IV)	central in cave; 3.0 m deeper than Shanidar I	D		7.11 m. below datum (Defleur); 7.19 m. (Stewart).	B7
Shanidar 05 (V)	central; 1 m. so. of Shanidar 3	D		4.46 m. (Defleur); 4.18 m. (Stewart)	A9 - B8
Shanidar 06 (VI)	10 cm. beneath cranium of IV; southern end of IV; with VIII & IX	D		7.21cm.	B7
Shanidar 07 (VII)	central; near middle of intense occupation zone; a little above stalagmite level	D		7.93	B6
Shanidar 08 (VIII)	central; 10 cm. beneath cranium of IV; southern end of IV; with VI & IX	D		7.21	B7
Shanidar 09 (IX)	central, 10 cm. beneath cranium of IV; southern end of IV; with VI & VIII	D		7.21	B7
Shovakh 01	in rear of cave close to N. wall; in "dumping zone"			altitude -101.35	
Shukbah D01		D			

Individual (a)	Location in Site	Level/Unit	Layer	Depth	Square
Skhul 01 (I)	1.5 m. in front of cave entrance; 9.5 m. west of cut I-II; east part of terrace	B		1.8 m. below surface (2.0 m. below 0)	
Skhul 02 (II)	east part of terrace	B		1.4 m. below surface (2.30 - 2.35 m. below 0)	
Skhul 03 (III)	alcove S. E. of terrace	B		2.30 m.? or 2.50 m.?	
Skhul 04 (IV)	just outside rock overhang on terrace	B		c. 1.25 m. below surface	
Skhul 05 (V)	6 m. N. W. of Skhul 4; a few centimeters above rocky substratum	B		1.25 m. below surface	
Skhul 06 (VI)	1.5 m. S. E. of Skhul 5; spread over 1 m ² area	B		1.7 m. below surface	
Skhul 07 (VII)	1.5 m. west of Skhul 5; 5cm above rocky substratum	B		2.10 m. below surface	
Skhul 08 (VIII)	east part of terrace	B		1.85 m. below surface	
Skhul 09 (IX)	0.9 m S.of and 0.65 m. lower than Skhul 5; just above rocky substratum	B		2.0 m below surface	

Individual (a)	Location in Site	Level/Unit	Layer	Depth	Square
Skhul 10 (X)	same area as Skhul 7; found in lab in block containing 7; near face of Skhul 7	B		2.1 m. below surface	
Tabun B01 (Series I)	interior of cave	B (Unit I - Jelinek)		approx 2.2 m. above datum	
Tabun B03	interior of cave	B			
Tabun B04 (Series III)	interior of cave	B			
Tabun B05 (Series IV)	interior of cave	B			
Tabun BC?	interior of cave - chimney	B (chimney)			
Tabun BC02 (Series II)	chimney II; S.E. apse; close to wall	BC (B Chimney)		4.50m. above datum	
Tabun BC06	interior of cave	BC (B Chimney)		4.50 m. above datum	
Tabun C? (Tillier - 1995)	interior of cave (?)	C (Jelinek - base of Unit I)			

Individual (a)	Location in Site	Level/Unit	Layer	Depth	Square
Tabun C?? (Jelinek - 1982)		C (Jelinek - base of unit D)			
Tabun C01	west side of talus just outside cave mouth; 1.5 - 2.0 m. from west wall; in hearth 0.35 m. into C.	B (?); C (?); D (?)		1.35 m. below datum	
Tabun C02	1.2 m. below surface of C, outside east alcove	C (?) or D (?)		2.2 m.	
Tabun C03	Talus area of layer C	C (Jelinek - base of Unit D)		2.0 m.	
Tabun C04	interior of cave	C (Jelinek - base of Unit D)			
Tabun C05 (possible association with C6 and C7)	interior of cave	C (Jelinek - base of Unit D)			
Tabun C06 (possible association with C5 and C7)	interior of cave	C (Jelinek - base of Unit D)			
Tabun C07 (possible association with C5 and C6)	interior of cave	C (Jelinek - base of Unit D)			
Tabun E01	close to east wall	Ea (Jelenik Unit X and XI)		5.60 m	

Individual (a)	Location in Site	Level/Unit	Layer	Depth	Square
Tabun E02	outside cave; not far from cave mouth; against wall	Eb (Jelinek - Unit XII)			
Zuttiyeh 01	in a small depression on the rock floor	XVII		2.0 m. below ground level	

**Appendix 5.6: TABLE 6 - DISPOSAL, BODY POSITION,
TREATMENT**

(pages 776 - 790)

Individual (a)	Pattern - Remains	Type of Disposal	Pit	Orientation (Body)	Position (Body)	Head (direction)
Amud 01 (I)	anatomical/articulated	inhumation	no evidence	northwest to southeast	left side; right angle flex	northwest
Amud 02 (II)			no evidence			
Amud 07	anatomical/articulated	inhumation	no pit; in niche	northwest to southeast ?	right side	northwest; face missing
Amud 09	articulation of elements recovered	inhumation	no evidence		right side? (from Photo - Hovers et al 1995)	
Dederiyeh infant (93)	anatomical/articulated	inhumation	pit mentioned	south to north	on back	south
Kebara 01	uncertain	inhumation ?	uncertain - space restricted			
Kebara 02	anatomical/articulated	inhumation	pit noted (ie. N.E. limits; 60 cm length; 20 - 30 cm. deep	E.N.E. to W.S.W (approximately east - west)	on back	cranium missing; east (?)
Qafzeh 03	anatomical/articulated ?	inhumation ?			practically extended; on left side	

Individual (b)	Head (side)	Head (facing)	Head (other)	Arm (lt)	Arm (rt)	Leg (lt)
Amud 01 (I)	left	east	at interface of Levels A and B; face missing	right angle flex	contracted; hand at head height	rt. angle flex; foot near base of pelvis
Amud 02 (II)						
Amud 07	right	west (?)		not given; incomplete	not given; incomplete	not given; incomplete
Amud 09						lying on medial surface ? (Photo - Hovers et al 1995)
Dederiyeh Infant (93)	back	ceiling		slight flex at elbow; extended down left side	extended along right side	right angle flex at knee; femur in line with body
Kebara 01						
Kebara 02	missing	missing; west (?)	atlas, axis, and hyoid in anatomical position	flexed across chest; hand at level of lumbar vertebrae	flexed across chest; hand at level of left shoulder	proximal end of femur extended 45° from body; missing lower leg
Qafzeh 03						almost extended [?]

Individual (c)	Leg (rt)	Treatment	Protection	Inclusions	Associated Features
Amud 01 (I)	poorly preserved and displaced			# unknown	flint artifacts unrelated to burial (?)
Amud 02 (II)		redeposited in antiquity			
Amud 07	not given; incomplete	place on bedrock	niche	1	
Amud 09					
Dederiyeh Infant (93)	rt. angle flex; contracted to pelvis; leaned away from body			2	
Kebara 01				4	
Kebara 02	missing	cranium removed after decomposition	possibly skins or branches preventing pit filling with sediments	?; flints and bones ?	# unknown
Qafzeh 03	almost extended [?]				

Individual (a)	Pattern - Remains	Type of Disposal	Pit	Orientation (Body)	Position (Body)	Head (direction)
Qafzeh 06	disarticulated - mass of bones	inhumation? (secondary burial?)	same pit as Qafzeh 7 ?			
Qafzeh 07	anatomical/articulated	inhumation ?	same as Qafzeh 6			
Qafzeh 08	anatomical/articulated	inhumation	natural crevice in rock; 1 m. x 0.8m.	east to west	right side	east
Qafzeh 09	anatomical/articulated	inhumation	no pit visible; rectangular space of 1.4 m. x 0.5 m.	north to south	left side	north
Qafzeh 10	anatomical/articulated	inhumation	as Qafzeh 9; lenthwise occupied exact width of space of Qafzeh 9	east to west	on back leaning left; strongly flexed	east
Qafzeh 11	anatomical articulated	inhumation	rectangular; 0.5 - 0.6 m. wide; 0.2 - 0.25 m. deep; rock floor	north to south	on back leaning toward right	north
Qafzeh 15	anatomical/articulated (of upper body)	inhumation ?	no trace	S.E.-N.W. (Defleur 1993:149); S.W.-N.E. (Vandermeersch 1981:33)	on back	
Shanidar 01 (I)	anatomical/articulated	rockfall or cairn burial	possible - hearths just beneath	west to east	on right side of back	west

Individual (b)	Head (side)	Head (facing)	Head (other)	Arm (lt)	Arm (rt)	Leg (lt)
Qafzeh 06	left					
Qafzeh 07						
Qafzeh 08			in deepest part; strongly inclined on trunk	extended down length of body	extended down length of body	semi-flexed
Qafzeh 09	left	east		flexed and crossed over abdomen	flexed and crossed over abdomen	semi-flexed
Qafzeh 10	on base			hand tucked under head	parallel to body	rt. angle flex or less; leaning left; foot missing
Qafzeh 11	on base; slightly inclined to right		pressed against north edge of pit	strongly flexed against trunk; hand at left side of head	strongly flexed against trunk; hand at right side of head	crushed; rt. angle flex; leaning right; heel at pelvis
Qafzeh 15	right		appears abutted against vertical wall - pit?			missing
Shanidar 01 (I)	on base	south-southeast	mandible displaced forward and to left of face	humerus parallel to body; hand and forearm on chest	humerus parallel to body; forearm and hand missing - amputation ?	extended (Trinkaus 1983)

Individual (c)	Leg (rt)	Treatment	Protection	Inclusions	Associated Features
Qafzeh 06					
Qafzeh 07					
Qafzeh 08	semi-flexed			# unknown	1
Qafzeh 09	semi-flexed	possible double burial with Qafzeh 10		amount unknown	
Qafzeh 10	rt. angle flex or less; leaning left; foot missing	possible double burial with Qafzeh 09		amount unknown	
Qafzeh 11	crushed; rt. angle flex; leaning right; heel at pelvis			# unknown	# unknown
Qafzeh 15	missing	lower half of body missing			
Shanidar 01 (I)	extended (Trinkhaus 1983)		accidental or deliberate cairn of limestone blocks	# unknown	# unknown

Individual (a)	Pattern - Remains	Type of Disposal	Pit	Orientation (Body)	Position (Body)	Head (direction)
Shanidar 02 (II)	uncertain (some articulation)	rockfall or cairn burial	uncertain - on slab surface	uncertain	uncertain	south (leaning back on vertebral column); mandible north
Shanidar 03 (III)	anatomical/articulated	rockfall or cairn burial (?)	uncertain - in small circular area delineated by rock	uncertain - upper limbs east; lower limbs west	right side	missing
Shanidar 04 (IV)	anatomical/articulated	inhumation (cairn burial - ?)	natural feature between 3 rocks	southeast-northwest [south- north)	left side; trunk bent forward	southeast (south)
Shanidar 05 (V)	anatomical/articulated and scattered	rockfall or cairn burial - disturbed (?)	no pit - space of 60 cm. per side	not given	contracted on knees	not given
Shanidar 06 (VI)	some anatomical association (Stewart 1972)	uncertain - possible inhumation	natural feature between 3 rocks	southeast-northwest?	left side (Trinkaus 1983)	not given
Shanidar 07 (Shanidar Baby)	anatomical/articulated	inhumation	space of 31 cm. long	north-south	right side (Trinkaus 1983); strongly bent/flexed	north
Shanidar 08 (VII)	non-articulated	uncertain	natural feature between 3 rocks	not given	not given	not given
Shanidar 09 (IX)	non-articulated	uncertain	natural feature between 3 rocks	north-south		

Individual (b)	Head (side)	Head (facing)	Head (other)	Arm (lt)	Arm (rt)	Leg (lt)
Shanidar 02 (II)	right	east	on rock (vertebral column twisted around cranium)	uncertain	uncertain	uncertain
Shanidar 03 (III)	missing	missing	missing	uncertain; to east	uncertain; to east	flexed against trunk [probably rt. angle or less]; to west
Shanidar 04 (IV)	left (?)	west		flexed; hand at level of face	flexed; hand on left forearm - near elbow	rt. angle or less flex; heel at pelvis
Shanidar 05 (V)	not given (right - ?)	not given	next to hearth; bent back to pelvis	flexed - hands on knees	flexed - hands on knees	on knees; folded under body
Shanidar 06	not given	not given	not given	not given; a humerus near head Shanidar IV	not given; a humerus near head Shanidar IV	semi-flexed on left side; legs south
Shanidar 07 (Shanidar Baby)	on back of head	looking up		poorly conserved; flexed to right	poorly conserved; flexed to right; hand closed; palm up	rt. angle flex; leaning right; knees up originally? (Defleur 1993)
Shanidar 08 (VII)	not given	not given	not given	not given	not given	not given
Shanidar 09 (Shanidar VIII)						

Individual (c)	Leg (rt)	Treatment	Protection	Inclusions	Associated Features
Shanidar 02 (II)	uncertain		accidental or deliberate cairn of limestone blocks	2	# unknown
Shanidar 03 (III)	flexed against trunk [probably rt. angles or less]; to west		accidental or deliberate cairn of limestone blocks		1
Shanidar 04 (IV)	rt. angle or less flex; heel at pelvis		covered by 0.5 m. limestone (calcareal) rubble; no large rocks	# unknown	
Shanidar 05 (V)	on knees; folded under body	(1)upper body covered by rocks; (2)disturbed	covered by limestone blocks	# unknown	1
Shanidar 06	semi-flexed on left side; legs south	possible multiple burial			
Shanidar 07 (Shanidar Baby)	rt. angle flex; leaning right; knees up originally? (Defleur)			4	1
Shanidar 08 (VII)	not given	secondary burial (?); possible multiple burial			
Shanidar 09 (VIII)		secondary burial (?); possible multiple burial			

Individual (a)	Pattern - Remains	Type of Disposal	Pit	Orientation (Body)	Position (Body)	Head (direction)
Skhul 01 (I)	anatomical/articulated	inhumation	not found; occupied space of 28 x 2 cm; 14 cm. deep	south to north (knees south, buttocks north)	kneeling; leaning slightly on left side	highest part of burial
Skhul 02 (II)	no order	disturbed inhumation?; secondary burial?				
Skhul 03 (III)	articulation of elements recovered	inhumation ?	possibly in a hearth			
Skhul 04 (IV)	anatomical/articulated	inhumation	not visible; in ovoid space 60 cm. wide; 90 cm. long	southeast (east) to northwest (west)	right side	southeast (east)
Skhul 05 (V)	anatomical/articulated	inhumation	defined by skeleton; 90 cm. long, 50 cm. wide	west to east (12° N. of E.)	on back leaning slightly to right side	west
Skhul 06 (VI)	articulation of left leg	inhumation ?		unable to determine		
Skhul 07 (VII)	anatomical/articulate ?	inhumation ?		east to west	flexed legs; lying on right side	east
Skhul 08 (VIII)	articulation of elements of rt. & lt. legs	inhumation ?				

Individual (b)	Head (side)	Head (facing)	Head (other)	Arm (lt)	Arm (rt)	Leg (lt)
Skhul 01 (I)	?	?		flexed; hand under head	not given	on knees; flexed; lower leg against thigh; feet under buttocks
Skhul 02 (II)						
Skhul 03 (III)						contracted; in deepest part of deposits
Skhul 04 (IV)	on base	northeast; looking toward valley	strongly inclined toward left shoulder	strongly flexed; palm up; fingers under mandible	flexed; slightly under & in front of left hand; wrist in supination	rt. angle flex; lower leg against thigh
Skhul 05 (V)	on base	looking toward valley	bent at 90°; chin sagging on thoracic cage	crossing body; humerus parallel to right; hand under rt. elbow	slightly away from body; forearm strongly flexed; hand at head height	broken; rt. angle flex; heel at buttocks; pelvis rotated to right
Skhul 06 (VI)						probably strongly flexed; distal extremity of tibia near head of femur
Skhul 07 (VII)	right	northeast; toward valley		forearm flexed rt. angle to humerus; hand brought back to face	same position as left; directly under left	unknown; flexed?, against thigh?
Skhul 08 (VIII)						tibia and tarsal bones obliquely placed in relation to left

Individual (c)	Leg (rt)	Treatment	Protection	Inclusions	Associated Features
Skhul 01 (I)	on knees; flexed; lower leg against thigh; feet under buttocks			# unknown	
Skhul 02 (II)					
Skhul 03 (III)	missing	placed in hearth ?			
Skhul 04 (IV)	rt. angle flex; lower leg against thigh	"crammed" into small space		# unknown	
Skhul 05 (V)	broken; rt. angle flex; heel at buttocks; pelvis rotated to right	"crammed" into small space		1	
Skhul 06 (VI)	missing	disturbed in antiquity ?			
Skhul 07 (VII)	rt. angles or less [?]; femur crushed; femur parallel to & pressed against tibia				
Skhul 08 (VIII)	lightly flexed at knee				

Individual (a)	Pattern - Remains	Type of Disposal	Pit	Orientation (Body)	Position (Body)	Head (direction)
Skhul 09 (IX)	anatomical/articulated ?	inhumation ?		east to west ?	right side	east position; occiput pointed northwest
Skhul 10 (X) ?		burial destroyed by removal of #7?				
Tabun C01	anatomical/ articulated	inhumation	not visible; position - head & mandible - taken as evidence of pit	east-west	on back; leaning slightly to left side	east

Individual (b)	Head (side)	Head (facing)	Head (other)	Arm (lt)	Arm (rt)	Leg (lt)
Skhul 09 (IX)	angled toward pelvis and leaning right	southeast	head twisted on axis of body			femur articulated to pelvis
Skhul 10 (X)						
Tabun C01	on base; chin pushed into chest			forearm at right angle to left away from body	incomplete; along right side; hand on pelvis	slightly separated from right; semi-flexed, leaning left

Individual (c)	Leg (rt)	Treatment	Protection	Inclusions	Associated Features
Skhul 09 (IX)	missing				1
Skhul 10 (X)					
Tabun C01	slightly separated from left; slightly flexed, leaning left		fortuitous placement immediately north of large limestone block	amount unknown	1

Appendix 5.7: TABLE 7 - INCLUSIONS

(pages 792 - 799)

Individual (a)	Antler - Type	Antler - Placement	Bone - Type	Bone - Placement	Fish - Type	Fish - Placement
Amud 01 (I)			faunal elements	indicated in burial plan - probably unrelated to burial (Hovers 1997)		
Amud 07			Red Deer Maxilla	on infant's pelvis		
Dederiyeh Infant ('93)						
Kebara 01						
Kebara 02			bone fragments	in fill matrix around skeleton (uncertain if intentional)		
Qafzeh 08						
Qafzeh 09						
Qafzeh 10						
Qafzeh 11	red deer	on hand beneath head	tibial diaphysis of deer	near antler and skeleton		
Shanidar 01			fragments mammal bone	in fill, on top of, and around skeleton		

Individual (b)	Lithics - Type	Lithics - Placement	Manganese Dioxide	Manganese -Placement	Ocher
Amud 01 (I)	a few flint artifacts - probably unrelated to burial - (Belfer-Cohen & Hovers, 1992)	indicated in burial plan - probably unrelated to burial - (Hovers 1997)			
Amud 07					
Dederiyeh Infant ('93)	triangular flint	on infant's chest in region of heart			
Kebara 01					
Kebara 02	several flints	in fill matrix around skeleton (uncertain if intentional)			
Qafzeh 08	flint objects (ie. end-scraper);	immediate neighborhood of skeleton;			(1) ocher fragments; (2) ocher with use traces
Qafzeh 09					abundant ocher
Qafzeh 10					abundant ocher
Qafzeh 11					ocher fragments
Shanidar 01	flint pieces	in fill around skeleton			

Individual (c)	Ocher - Placement	Other - Type	Other - Placement	Shell - Type	Shell - Placement
Amud 01 (I)		Stones or blocks of calcaire	over eyes;around head; around lt leg & knee; near rt ulna; on feet & lt. hand		
Amud 07					
Dederiyeh Infant ('93)		subrectangular limestone slab	above (south of) infants head		
Kebara 01		3 stones	near infant's skeleton		
Kebara 02					
Qafzeh 08	(1) immediate neighborhood of skeleton; (2) next to skeleton	limestone block	covering feet		
Qafzeh 09	in region of skeleton				
Qafzeh 10	in region of skeleton				
Qafzeh 11	throughout fill matrix			burned fragment ostrich shell	on chest
Shanidar 01		wood charcoal	on top of and between stones over skeleton		

Individual (d)	Teeth - Type	Teeth - Placement	Number	Type
Amud 01 (I)			?	2
Amud 07			1	1
Dederiyeh Infant ('93)			2	2
Kebara 01	Rhinoceros Tooth	near infant's skeleton	4	2
Kebara 02			?	2
Qafzeh 08			?	3
Qafzeh 09			?	1
Qafzeh 10			?	1
Qafzeh 11			?	4
Shanidar 01			?	3

Individual (a)	Antler - Type	Antler - Placement	Bone - Type	Bone - Placement	Fish - Type	Fish - Placement
Shanidar 02						
Shanidar 04 (06, 08, 09)			large number of fragments of mammal bone	in screening from area around skeleton of Shanidar 04		
Shanidar 05			(1) mandible of large mammal; (2) fragments of animal	(1) associated with hominid's cranial fragments next to hearth; (2) in contact with skeleton		
Shanidar 07 (VII)			mammal bone	1 in. east of left knee		
Skhul 01						
Skhul 04						
Skhul 05			Sus gardarensis (large boar) mandible with broken ascending rami	between arms of corpse; left arm resting on broken rami		
Tabun C01			fragments of faunal bone (burned and broken)	around skeleton - from hearth beneath skeleton (uncertain if intentional)		

Individual (b)	Lithics - Type	Lithics - Placement	Manganese Dioxide	Manganese -Placement	Ocher
Shanidar 02					
Shanidar 04 (06, 08, 09)	some flints	in screening from around skeleton of Shanidar 04			
Shanidar 05	(1) flint flakes; (2) Mousterian Point	(1) & (2) in fill matrix; in contact with skeleton			
Shanidar 07	large flint	2 in. east of skull			
Skhul 01	flint pieces without retouch (Garrod believed fortuitous)	next to skeleton?			
Skhul 04	flint pieces (not carefully worked?)	between hands (nearer right hand; fortuitous? (McCown 1937)			
Skhul 05					
Tabun C01					

Individual (c)	Ocher - Placement	Other - Type	Other - Placement	Shell - Type	Shell - Placement
Shanidar 02		(1) stone - 8 x 12 cm.; (2) rock - size of 2 fists	(1) under head; (2) on left temporal bone		
Shanidar 04 (06, 08, 09)		pollens of flowering plants with medicinal properties	underlying and over skeletal remains		
Shanidar 05		(1) wood charcoal; (2) stone	(1) in fill matrix in contact with skeleton; (2) adhering to rt. side of head		
Shanidar 07		(1) limestone block; (2) black carboniferous substance	(1) next to left heel; (2) next to block		
Skhul 01					
Skhul 04					
Skhul 05					
Tabun C01		wood charcoal	around skeleton - from hearth beneath skeleton ? - [uncertain if intentional)		

Individual (d)	Teeth - Type	Teeth - Placement	Number	Type
Shanidar 02			2	1
Shanidar 04 (06, 08, 09)			?	1
Shanidar 05			?	4
Shanidar 07			4	4
Skhul 01			?	1
Skhul 04			?	1
Skhul 05			?	2
Tabun C01			?	2

**Appendix 5.8: TABLE 8 - ASSOCIATED
ARTIFACTS/FEATURES**

(page 801)

Individual	Type	Placement	Purpose
Kebara 02	(1) 2 hearths; (2) 1 hearth; (3) several laterally continuous hearths	(1) over burial, cut by burial pit; (2) base of burial pit; (3) in layers above burial	?
Qafzeh 08	limestone block	covered feet	
Qafzeh 11	limestone blocks - number not given	one covered pelvis and feet; others part of pit edge	some maintained pit edge
Shanidar 01 (I)	(1) 2 hearths; (2) mammal bones; (3) wood charcoal	(1) just beneath skeleton; (2) & (3) on and between rocks	(2) & (3) mortuary ritual ? (eg. funeral feast)
Shanidar 02 (II)	(1) hearth; (2) mammal mandible & bone fragments; (3) Mousterial Point	(1) on top of rock cairn; (2) just above skeleton; (3) in hearth	(1) & (2) mortuary ritual ? (eg. funeral feast)
Shanidar 03 (III)	two hearths: one on top of the other	c. 1 m. S. of skeleton in same type of soil	mortuary ritual ?
Shanidar 05 (V)	hearth	on top of rocks in immediate proximity of hominid cranium	mortuary ritual ?
Shanidar 07	(1) bed of light grey ash; (2) ash lens	(1) 8 cm. below skeleton; (2) 3.5 cm. above skeleton	mortuary ritual ?
Skhul 09	crushed maxilla and cranium of bovid - intrusive into burial	20 cm below skeleton; where legs should have been	intrusive from later occupation
Tabun C01	large limestone block	immediately S. of skeleton; buried in layer D; top 1 m. above skeleton	fortuitous or deliberate protection of corpse

**Appendix 5.9: TABLE 9 - DATING METHODS -
ABSOLUTE DATES**

(pages 803 - 818)

Site (a)	Level/Layer	AMS (kya)	Carbon 14 (BP)	ESR - early (kya)	ESR - linear (kya)
Amud					
Amud B1	B1		5,710 ± 80 (Ohnuma 1992)		
Amud B2	B2				
Amud B4	B4		18,300 ± 300 (Ohnuma 1992)		
Bisitun					
Dederiyeh 2					
el-Wad					
Geulah			42,000 ± 1700 (Bar-Yosef 1992a)*		
Hayonim					
Karain AH 16 - (mean)				61.0 ± 7.0 (Otte 1995)	63.0 ± 7.0 (Otte 1995)*
Karain AH 17 - AH 27 (mean)				108.0 ± 23.0 (Otte 1995)	121.0 ± 27.0 (Otte 1995)

Site (b)	TL (kya)	Uran-Pa (kya)	Uran-Thor (kya)	Isotopic Stage	Correlated Dates (kya)
Amud				4/5a	c. 75.0 (Clark 1989)
Amud B1	c. 50.0 (Hovers 1995)*			3	
Amud B2	c. 50.0 - 60.0 (Rak 1994)*			3	
Amud B4	c. 50.0 - 60.0 (Rak 1994)*			3	
Bisitun				4	c. 70.0 (Clark 1989)*
Dederiyeh 2				?	
el-Wad				3	
Geulah				3	
Hayonim				6	c 165.0 (Jelinek - 1992)
Karain AH 16 (mean)				3 - 4	
Karain AH 17 - AH 27 (mean0)				5b - 6	

Site (a)	Level/Layer	AMS (kya)	Carbon 14 (BP)	ESR - early (kya)	ESR - linear (kya)
Karain I.6 (berme)				66.9 (Otte 1995)	69.5 (Otte 1995)
Karain I.6 (teeth)				61.0 (Otte 1995)	63.2 (Otte 1995)
Karain I.7 (berme)				102.9 (Otte 1995)	110.0 (Otte 1995)
Karain I.7 (teeth)				116.4 (Otte 1995)	129.2 (Otte 1995)
Karain I.8 (teeth)				123.6 (Otte 1995)	141.0 (Otte 1995)
Karain III.2 (teeth)				109.5 (Otte 1995)	120.3 (Otte 1995)
Kebara					
Kebara - GrN-2561 (Charred B)			41,000 ± 1000 (Bar-Yosef 1992a)		
Kebara 06 (VI)	VI				
Kebara 07 (VII)	VII				
Kebara 08 (VIII)	VIII				

Site (b)	TL (kya)	Uran-Pa (kya)	Uran-Thor (kya)	Isotopic Stage	Correlated Dates (kya)
Karain I.6 (berme)				4	
Karain I.6 (teeth)				3/4	
Karain I.7 (berme)				5c - 5d	
Karain I.7 (teeth)				5e	
Karain I.8 (teeth)				5e - 6	
Karain III.2 (teeth)				5d - 5e	
Kebara				3/4	60.0 (Clark 1989)
Kebara - GrN-2561 (Charred B)				3	
Kebara 06 (VI)	48.3 ± 3.5 (Valladas 1987, 1991)*			3	
Kebara 07 (VII)	51.9 ± 3.5 (Valladas 1987, 1991)			3	
Kebara 08 (VIII)	57.3 ± 4.0 (Valladas 1987, 1991)			3	

Site (a)	Level/Layer	AMS (kya)	Carbon 14 (BP)	ESR - early (kya)	ESR - linear (kya)
Kebara 09 (IX)	IX				
Kebara 10 (X)	X			60.4 ± 5.9 (Schwarcz 1989); 60.0 ± 6.0 (Bar-Yosef 1992a)*	64.3 ± 5.5 (Schwarcz 1989); 64.0 ± 4.0 (Bar-Yosef 1992a)
Kebara 11 (XI)	XI				
Kebara 12 (XII)	XII				
Kebara GrN-2551 (Charred B - same sample - rest fraction)			35,000 ± 500 (Bar-Yosef 1992a)		
Ksâr'Akil (dark clay band)			42,750 ± 1500 (Bar-Yosef 1992a)*		
Ksâr'Akil XXVI (1 m. below XXV)	XXVI		<43,750 ± 1500 (Oakley 1975)*		
Ksâr'Akil XXVII	XXVII		44,600 ± 1200 (Ewing 1963)		
Magracik - unnamed cave (Merdevenli?, Kanal?, or Tikali?)					
Masloukh					
Qafzeh - weighted mean				96.0 ± 13.0 (Schwarcz 1988)	115.0 ± 15.0 (Schwarcz 1988)

Site (b)	TL (kya)	Uran-Pa (kya)	Uran-Thor (kya)	Isotopic Stage	Correlated Dates (kya)
Kebara 09 (IX)	58.4 ± 4.0 (Valladas 1987, 1991)*			3	
Kebara 10 (X)	61.6 ± 3.6 (Valladas 1987, 1991)			3/4	
Kebara 11 (XI)	60.0 ± 3.5 (Valladas 1987, 1991)*			3/4	
Kebara 12 (XII)	59.9 ± 3.5 (Valladas 1987, 1991)			3/4	
Kebara GrN-2551 (Charred B - same sample - rest fraction)				3	
Ksâr'Akil (dark clay band)				3	
Ksâr'Akil XXVI (1 m. below XXV)				3	
Ksâr'Akil XXVII				3	
Magracik - unnamed cave (Merdevenli?; Kanal?; or Tikali?)				?	
Masloukh				?	
Qafzeh - weighted mean	92.0 ± 5.0 (Valladas 1988)			5a - 5e	

Site (a)	Level/Layer	AMS (kya)	Carbon 14 (BP)	ESR - early (kya)	ESR - linear (kya)
Qafzeh 15 (XV)	XV			92.1; 94.2; 94.7 (92.1 - 94.7) [Schwarcz 1988]*	112.0; 114.0; 116.0 (Schwarcz 1988)
Qafzeh 17 (XVII)	XVII			95.2 (Schwarcz 1988)	103.0 (Schwarcz 1988)
Qafzeh 17 (XVII) 13	XVII				
Qafzeh 17 (XVII) 14	XVII				
Qafzeh 17 (XVII) 29	XVII				
Qafzeh 17 (XVII) 33	XVII				
Qafzeh 17 (XVII) 34	XVII				
Qafzeh 17 (XVII) 36	XVII				
Qafzeh 18 (XVIII) 38	XVIII				
Qafzeh 18 (XVIII) 40	XVIII				
Qafzeh 18 (XVIII) 42	XVIII				

Site (b)	TL (kya)	Uran-Pa (kya)	Uran-Thor (kya)	Isotopic Stage	Correlated Dates (kya)
Qafzeh 15 (XV)				5b - 5d	
Qafzeh 17 (XVII)				5b - 5c	
Qafzeh 17 (XVII) 13	94.3 ± 8.0 (Valladas 1988)			5a - 5c	
Qafzeh 17 (XVII) 14	106.0 ± 9.6 (Valladas 1988)			5c - 5d	
Qafzeh 17 (XVII) 29	107.2 ± 8.8 (Valladas 1988)			5c - 5d	
Qafzeh 17 (XVII) 33	89.2 ± 8.4 (Valladas 1988)			5a - 5b	
Qafzeh 17 (XVII) 34	87.8 ± 7.2 (Valladas 1988)			5a - 5b	
Qafzeh 17 (XVII) 36	100.7 ± 8.2 (Valladas 1988)			5b - 5c	
Qafzeh 18 (XVIII) 38	87.9 ± 7.2 (Valladas 1988)			5a - 5b	
Qafzeh 18 (XVIII) 40	89.5 ± 7.0 (Valladas 1988)			5a - 5b	
Qafzeh 18 (XVIII) 42	93.4 ± 8.2 (Valladas 1988)			5b - 5c	

Site (a)	Level/Layer	AMS (kya)	Carbon 14 (BP)	ESR - early (kya)	ESR - linear (kya)
Qafzeh 19 (XIX)	XIX			87.7; 99.7; 102.0; 111.0; 107.0; 119.0; 82.0 (Schwarcz 1988)	106.0; 112.0; 117.0; 124.0; 128.0; 145.0; 101.0 (Schwarcz 1988)
Qafzeh 19 (XIX) 45	XIX				
Qafzeh 19 (XIX) 47	XIX				
Qafzeh 19 (XIX) 49	XIX				
Qafzeh 19 (XIX) 77	XIX				
Qafzeh 21 (XXI)	XXI			95.9, 118.0; 73.7; 74.2; 95.3 (Schwarcz 1988)	118.0; 143.0; 94.0; 89.1; 116.0 (Schwarcz 1988)
Qafzeh 21 (XXI) 1	XXI				
Qafzeh 21 (XXI) 2	XXI				
Qafzeh 21 (XXI) 61	XXI				
Qafzeh 22 (XXII) 67	XXII				
Qafzeh 22 (XXII) 65	XXII				

Site (b)	TL (kya)	Uran-Pa (kya)	Uran-Thor (kya)	Isotopic Stage	Correlated Dates (kya)
Qafzeh 19 (XIX)				5a - 6	
Qafzeh 19 (XIX) 45	98.8 ± 8.9 (Valladas 1988)			5b - 5c	
Qafzeh 19 (XIX) 47	82.4 ± 7.7 (Valladas 1988)			5a - 5b	
Qafzeh 19 (XIX) 49	84.9 ± 7.3 (Valladas 1988)			5a - 5b	
Qafzeh 19 (XIX) 77	95.9 ± 8.1 (Valladas 1988)			5b - 5c	
Qafzeh 21 (XXI)				5a - 6	
Qafzeh 21 (XXI) 1	109.9 ± 9.9 (Valladas 1988)			5c - 5d	
Qafzeh 21 (XXI) 2	89.2 ± 8.9 (Valladas 1988)			5a - 5b	
Qafzeh 21 (XXI) 61	90.9 ± 8.7 (Valladas 1988)			5a - 5b	
Qafzeh 22 (XXII) 67	85.4 ± 6.9 (Valladas 1988)			5a - 5b	
Qafzeh 22 (XXII) 65	86.6 ± 7.4 (Valladas 1988)			5a - 5b	

Site (a)	Level/Layer	AMS (kya)	Carbon 14 (BP)	ESR - early (kya)	ESR - linear (kya)
Qafzeh 22 (XXII) 66	XXII				
Qafzeh 23 (XXIII) 76	XXIII				
Qafzeh Hominid 06	L (XVII - XIX)				
Qafzeh Levels 17 - 23 (XVII - XXIII)	XVII - XXIII				
Ras el-Kelb III/K	Complex III, Layer K		>52,000 (Bar-Yosef 1992a)*		
Shanidar D	D		46,800 ± 1500*; 50,600 ± 3000 (Bar-Yosef 1989, 1992a)		
Shanidar Hominid 01	D		46,900 ± 1500 (Oakley 1975)		
Shanidar Hominids 1, 3, & 5					
Shovakh					
Shukbah					
Skhul Average				81.0 ± 15.0 (Bar-Yosef 1992a)*	101.0 ± 12.0 (Bar-Yosef 1992a)

Site (b)	TL (kya)	Uran-Pa (kya)	Uran-Thor (kya)	Isotopic Stage	Correlated Dates (kya)
Qafzeh 22 (XXII) 66	91.2 ± 8.7 (Valladas 1988)*			5a - 5b	
Qafzeh 23 (XXIII) 76	95.0 ± 7.7 (Valladas 1988)* (best fit with other dates)			5b - 5c	
Qafzeh Hominid 06		94.0 + 10.0/-8.0 (Yokoyama 1997)	80.0 + 24/-18 (Yokoyama 1997)	5b - 5c (U/Pa)	
Qafzeh Levels 17 - 23 (XVII - XXIII)				5c; 5b	c. 100.0 (Jelinek 1992); c. 92.0 (Clark 1989)
Ras el-Kelb III/K				4	70.0 - 75.0 ? (Jelinek 1992)*
Shanidar D				3	
Shanidar Hominid 01				3	
Shanidar Hominids 01, 03, & 05				3?	>45.0 (Clark 1989)
Shovakh				?	
Shukbah				4	c. 65.0 - 70.0 (Clark 1989*)
Skhul Average				5a - 5d	

Site (a)	Level/Layer	AMS (kya)	Carbon 14 (BP)	ESR - early (kya)	ESR - linear (kya)
Skhul B					
Skhul Hominids					
Skhul Range				54.6 ± 10.3 - 101.0 ± 19.0 (Bar-Yosef 1992a)	77.2 ± 15.7 - 118.0 ± 25.1 (Bar-Yosef 1992a)
Tabun B	B		39,700 ± 800 (Bar-Yosef 1992a)	86.0 ± 11.0 (Grun 1991)*	103.0 ± 16.0 (Grun 1991)
Tabun Bed 42 (very black soil)			38,800 ± 2400 (Bar-Yosef 1992a)		
Tabun C	C		40,900 ± 1000 (Bar-Yosef 1992a)	102.0 ± 17.0 (Grun 1991)*	119.0 ± 11.0 (Grun 1991)
Tabun C/D	C/D				
Tabun D	D			122.0 ± 20.0 (Grun 1991)	166.0 ± 20.0 (Grun 1991)
Tabun Ea	Ea			154.0 ± 34.0 (Grun 1991)*	188.0 ± 31.0 (Grun 1991)
Tabun Eb	Eb			151.0 ± 21.0 (Grun 1991)*	168.0 ± 15.0 (Grun 1991)
Tabun Ec	Ec			176.0 ± 10.0 (Grun 1991)	199.0 ± 7.0 (Grun 1991)

Site (b)	TL (kya)	Uran-Pa (kya)	Uran-Thor (kya)	Isotopic Stage	Correlated Dates (kya)
Skhul B				3	c. 40.0 (Clark 1989)
Skhul Hominids				5c	c. 100.0 (Jelinek 1992)
Skhul Range				3 - 6	
Tabun B				5b/5c (based on Grun 1991)	95.0 - 115.0 (Jelinek 1992)
Tabun Bed 42 (very black soil)				3	
Tabun C				5c/5d (based on Grun)	115.0 - 135.0 (Jelinek 1992)
Tabun C/D				6	135.0 - 155.0 (Jelinek 1992)
Tabun D				5e/6 (based on Grun)	155.0 - 175.0 (Jelinek 1992)
Tabun Ea				6 (based on Grun)	175.0 - 205.0 (Jelinek 1992)
Tabun Eb				6 (based on Grun)	175.0 - 205.0 (Jelinek 1992)
Tabun Ec				6 (based on Grun)	205.0 - 210.0 (Jelinek 1992)

Site (a)	Level/Layer	AMS (kya)	Carbon 14 (BP)	ESR - early (kya)	ESR - linear (kya)
Tabun Ed	Ed			182.0 ± 61.0 (Grun 1991)	213.0 ± 46.0 (Grun 1991)
Tabun Hominid C01					
Tabun Hominid C02					
Tabun Unit I - GrN7408	I		>47,000 (Bar-Yosef 1992a)		
Tabun Unit I - GrN7409	I		51,000 ± 4800/3800 (Bar-Yosef 1992a)		
Tabun Unit I - GrN7410	I		45,800 ± 2100/1600 (Bar-Yosef 1992a)		
Tamtama					
Zuttiyeh - inter Yabrudian - Mousterian					
Zuttiyeh Hominid 01					
Zuttiyeh pre-Yabrudian					

Site (b)	TL (kya)	Uran-Pa (kya)	Uran-Thor (kya)	Isotopic Stage	Correlated Dates (kya)
Tabun Ed				6/7 (based on Grun)	205.0 - 210.0 (Jelinek 1992)
Tabun Hominid C01				4/5a	c. 75.0 (Clark 1989)
Tabun Hominid C02				3	c. 55.0 (Clark 1989)
Tabun Unit I - GrN7408				3	
Tabun Unit I - GrN7409				3	
Tabun Unit I - GrN7410				3	
Tamtama				?	
Zuttiyeh - inter Yabrudian - Mousterian			95.0 ± 10.0; 97.0 ± 13.0 (Bar-Yosef 1992)	5b - 5d	
Zuttiyeh Hominid 01				6	c. 150.0 (Jelinek 1992); >148.0 (Clark 1989)
Zuttiyeh pre-Yabrudian			164.0 ± 21.0*; 148.0 ± 6.0 (Bar-Yosef 1992)	6	

**Appendix 5.10: TABLE 10 - DATING METHODS
COMPARATIVE DATES**

(pages 820 - 827)

Site (a)	Level	Estimates (kya)	Geological Age	Glacial	Glacial Date (kya)	Isotopic Stage
Amud				Würm I (Clark 1989); Interstadial of Last Glacial (Oakley 1975)	60 - 80 (Clark 1989)	4 (Clark 1989); 3 (Tchernov 1992)
Amud B1	B1					3 (based on Hovers 1995)
Amud B2	B2					3 (based on Rak 1994)
Amud B3	B4					3 (based on Rak 1994)
Bisitun			Upper Pleistocene (Oakley 1975)	Würm I (Clark 1989)	60 - 80 (Clark 1989)	4 (Clark 1989)
Dederiyeh 2						
el-Wad (G01 possibly intrusive)	G					
Geulah				Last Pluvial/Glacial (Oakley 1975)		3 (Tchernov 1992)
Hayonim		50.0 - 60.0 (Arensburg 1990)*				6 (Jelinek 1992)
Hayonim - Lower E	Lower E					3/4, 4 (Tchernov 1992)
Hayonim - Upper E	Upper E					3 (Tchernov 1992)

Site (b)	Date Range (kya)	Biochronology (kya)
Amud	60 - 80 (Clark 1989)	c. 40 - 60 (Tchernov)*
Amud B1		
Amud B2		
Amud B3		
Bisitun	60 - 80 (Clark 1989)	
Dederiyeh 2		
el-Wad (G01 possibly intrusive)		
Geulah		c.40 - 60 (Tchernov 1992)*
Hayonim	c. 165 (Jelinek 1992)	
Hayonim - Lower E		c. 60 - 70 (Tchernov 1992)*
Hayonim -Upper E		c.50 - 60 (Tchernov 1992)*

Site (a)	Level	Estimates (kya)	Geological Age	Glacial	Glacial Date (kya)	Isotopic Stage
Karain				Last Interglacial (Otte 1995)		
Kebara	VI - XII			Würm I ? (Clark 1989); Last Pluvial (Oakley 1975)	60 - 80 ? (Clark 1989):	4 ? (Clark 1989); 3 (Tchernov 1992)
Ksâr'Akil	26	42.0 - 44.0 (Nishiaki 1992)		Wurm I/II interstadial (Ewing 1963)		3 (based on Nishiaki)
Magracik - unnamed cave (Merdevenli?, Kanal?, or Tikali?)						
Masloukh	A?, B?, or C?	125 - 150 (Nishiaki 1992)*		Prior to Last Interpluvial Enfean Transgression (Nishiaki 1992)	>125 (Nishiaki 1992)	6 to 5e (Nishiaki 1992)
Qafzeh				Riis/Würm Interglacial (Clark 1989)	c 80 - 118 (Clark 1989)	5 (ie. 5b/5c) (Clark 1989)
Qafzeh 17 - 23 (XVII - XXIII)	XVII - XXIII					5c (Jelinek 1992)
Qafzeh 5 - 15 (V - XV)	V - XXV					5a - 5c (Tchernov 1992)
Ras el-Kelb K	K	52 - 75 (Bar-Yosef 1992; Jelinek 1992)*		post Enfean (Nishiaki 1992); Early/Mid Würm (Oakley 1975)	<75? (Jelinek 1992)	3, 3/4, or 4 (Bar-Yosef 1992; Jelinek 1992)
Shanidar	D		Upper Pleistocene (Oakley 1975)			
Shanidar Hominid 01	D			Würm II (Clark 1989)	35 - 55 (Clark 1989)	3 (Clark 1989)

Site (b)	Date Range (kya)	Biochronology (kya)
Karain		
Kebara	60 - 80 ? (Clark 1989); c. 40 - 60 (Tchernov 1992)*	
Ksâr'Akil		
Magracik - unnamed cave (Merdeveni?, Kanal?, or Tikali)		
Masloukh	125 - 150 (Nishiaki 1992)	
Qafzeh	88 - 95 (Clark 1989)	
Qafzeh 17 - 23 (XVII - XXIII)	c. 100 (Jelinek 1992)	
Qafzeh 5 - 15 (V - XV)		c. 75 - 105 (Tchernov 1992))+
Ras el-Kelb K	70 - 75 (Jelinek 1992)	
Shanidar		
Shanidar Hominid 01	35 - 55 (Clark 1989)	

Site (a)	Level	Estimates (kya)	Geological Age	Glacial	Glacial Date (kya)	Isotopic Stage
Shanidar Hominid 03	D	47.0 (Oakley 1975)*		Würm II (Clark 1989)	35 - 55 (Clark 1989)	3 (Clark 1989)
Shanidar Hominid 05	D	46.0 (Oakley 1975)		Würm II (Clark 1989)	35 - 55 (Clark 1989)	3 (Clark (1989)
Shanidar Hominid 07	D	c. 70.0 (Stewart 1972)*				
Shanidar Hominids 02, 04, 06, 08 - 09	D	c. 60.0 (Oakley 1975)*		Early Würm I or Late Riss/Würm (Clark 1989)	70 - 80 (Clark 1989)	4 (Oakley 1975) 4/5a (Clark 1989)
Shovakh						3 (Tchernov 1992)
Shukbah				Würm I ? (Clark 1989)	60 - 80 ? (Clark 1989)	4 ? (Clark 1989)
Skhul B				Würm II (Clark 1989)	c. 40 (Clark 1989)	3 (Clark 1989); 3 - 4 (Tchernov 1992)
Skhul C	C					5a - 5c (Tchernov 1992)
Skhul Hominids						5c (Jelinek 1992)
Tabun B	B (Unit I to base of C - Jelinek 1982)			Beginning Last Pluvial (Oakley 1975)		5c (Jelinek 1992); 3 (Tchernov 1992)
Tabun C	C (Unit I to base of C - Jelinek 1982)			End Last Interpluvial (Oakley 1975)		5d/5e (Jelinek 1992); 3/4 (Tchernov 1992)

Site (b)	Date Range (kya)	Biochronology (kya)
Shanidar Hominid 03	35 - 55 (Clark 1989)	
Shanidar Hominid 05	35 - 55 (Clark 1989)	
Shanidar Hominid 07		
Shanidar Hominids 02, 04, 06, 08-09	70 - 80 (Clark 1989)	
Shovakh		c. 40 - 60 (Tchernov 1992)*
Shukbah	60 - 80 ? (Clark 1989)*	
Skhul B	35 - 55 (Clark 1989)	c. 50 - 70 (Tchernov 1992)*
Skhul C		c. 80 - 100 (Tchernov 1992)
Skhul Hominids	c. 100 (Jelinek 1992)	
Tabun B	c. 100 - 105 (Jelinek 1992)	c. 40 - 55 (Tchernov 1992)*
Tabun C	c. 120 - 125 (Jelinek 1992);	c. 55 - 65 (Tchernov 1992)*

Site (a)	Level	Estimates (kya)	Geological Age	Glacial	Glacial Date (kya)	Isotopic Stage
Tabun D	D (Units II - IX, Jelinek 1982)					6 (Jelinek 1992); 5a - 5e (Tchernov 1992)
Tabun E	E (Units X - XIV, Jelinek 1982)			Riis/Würm ? (Clark 1989); Last Interpluvial (Oakley 1975)	c. 110 - 120 ? (Clark 1989)	5d/5e ? (Clark 1989); 6 (Jelinek 1992)
Tabun E/F/G	E, F, G					6 (Tchernov 1992)
Tabun Hominid C01	C			Würm I (Clark 1989)	60 - 80 (Clark 1989)	4 (Clark 1989)
Tabun Hominid C02	C			Würm I/Würm II (Clark 1989)	50 - 60 (Clark 1989)	3/4 (Clark 1989)
Tamtama						
Zuttiyeh				Riis (Clark 1989)	>148 (Clark 1989)	6 (Jelinek 1992); Tchernov 1992)
Zuttiyeh Hominid 01						6 (Jelinek 1992)
Zuttiyeh Mugharan ?						5e (Jelinek 1992)

Site (b)	Date Range (kya)	Biochronology (kya)
Tabun D	c. 165 (Jelinek 1992)	c. 65 - 128 (Tchernov 1992)
Tabun E	c. 110 - 120 ? (Clark 1989); c. 180 - 190 (Jelinek 1992)	
Tabun E/F/G		c. 128 - 210 (Tchernov 1992)*
Tabun Hominid C01	60 - 80 (Clark 1989)	
Tabun Hominid C02	50 - 60 (Clark 1989)	
Tamtama		
Zuttiyeh	c. 170 (Jelinek 1992)	135 - 165 (Tchernov 1992)*
Zuttiyeh Hominid 01	c. 150 (Jelinek 1992)	
Zuttiyeh Mugharan ?	120 - 125 (Jelinek 1992)	

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