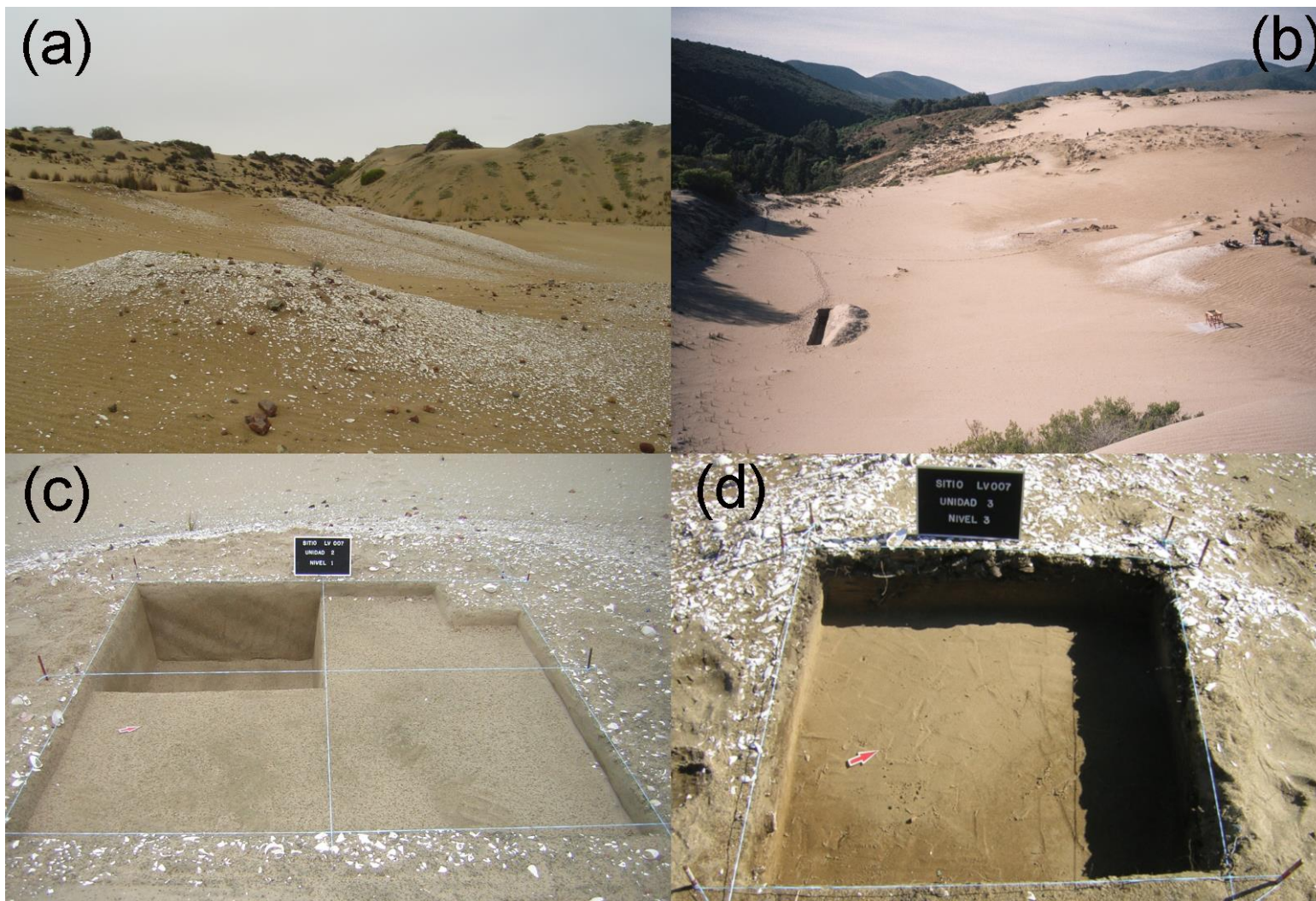


Supplementary figure 1: Context images of the excavations at Dunas de Agua Amarilla (LV 007); (a) shell midden distribution; (b) location of the excavations (northern trench); (c) excavation of unit 2; (d) excavation of unit 3.



Supplementary table 1: Absolute frequency of mollusk remains (MNI) from sampled shell middens (SM) and the percentage of *Mesodesma donacium* in each sample.

Taxa	SM #1	SM #3	SM #4	SM #5	SM #6	SM #8	SM #11	SM #14
<i>Mesodesma donacium</i>	17 (29%)	1099 (96.4%)	320 (66.1%)	259 (96.6%)	44 (97.7)	41 (35%)	851 (94.7%)	13 (86.6%)
<i>Perumytilus purpuratus</i>	1	0	0	0	0	0	2	0
<i>Retrotapes rufa</i>	2	3	10	0	0	0	4	0
<i>Protothaca thaca</i>	0	1	1	0	0	0	0	0
<i>Concholepas concholepas</i>	14	17	22	5	1	5	77	1
<i>Tegula atra</i>	5	3	44	0	0	5	8	0
<i>Tegula tridentata</i>	0	0	1	0	0	0	0	0
<i>Prisogaster niger</i>	1	1	2	0	0	1	4	0
<i>Diloma nigerrima</i>	1	3	50	1	0	4	5	0
<i>Acanthina monodon</i>	1	1	0	0	0	54	5	0
<i>Fissurella crassa</i>	1	2	3	0	0	1	10	0
<i>Fissurella nigra</i>	1	0	5	2	0	0	21	0
<i>Fissurella picta</i>	1	1	6	0	0	1	43	0
<i>Fissurella maxima</i>	0	0	0	0	0	0	1	0
<i>Fissurella latimarginata</i>	0	0	0	0	0	0	13	0
<i>Fissurella costata</i>	0	0	0	0	0	0	1	0
<i>Fissurella</i> sp.	3	0	0	0	0	0	13	0
<i>Acanthopleura echinata</i>	2	2	2	0	0	1	8	1
<i>Chiton granosus</i>	2	0	3	0	0	1	7	0
<i>Chiton latus</i>	3	0	3	0	0	1	30	0
<i>Chiton</i> sp.	1	0	4	0	0	1	11	0
<i>Littorina peruviana</i>	0	0	1	0	0	0	0	0
<i>Oliva peruviana</i>	0	5	0	1	0	0	0	0
<i>Scurria parasitica</i>	1	1	7	0	0	1	24	0
Total	57	1139	484	268	45	117	1138	15
Shannon-Weiner diversity index	0.9	0.1	0.56	0.08	0.05	0.61	0.47	0.21

Supplementary table 2: NISP and MNI for fish remains recorded at Dunas de Agua Amarilla (LV 007).

Taxa	Vernacular name	NISP	MNI
<i>Sebastes capensis</i>	Cabrilla	3	1
<i>Thirsistes atun</i>	Sierra	19	2
<i>Trachurus symmetricus</i>	Jurel	2	1
<i>Cilus gilberti</i>	Corvina	3	2
<i>Scartichthys viridis</i>	Borrachilla	1	1
Undeterminate		100	-
Total		128	7