

Needle in a haystack—genetic evidence confirms the expansion of the alien echinoid *Diadema setosum* (Echinoidea: Diadematidae) to the Mediterranean coast of Israel

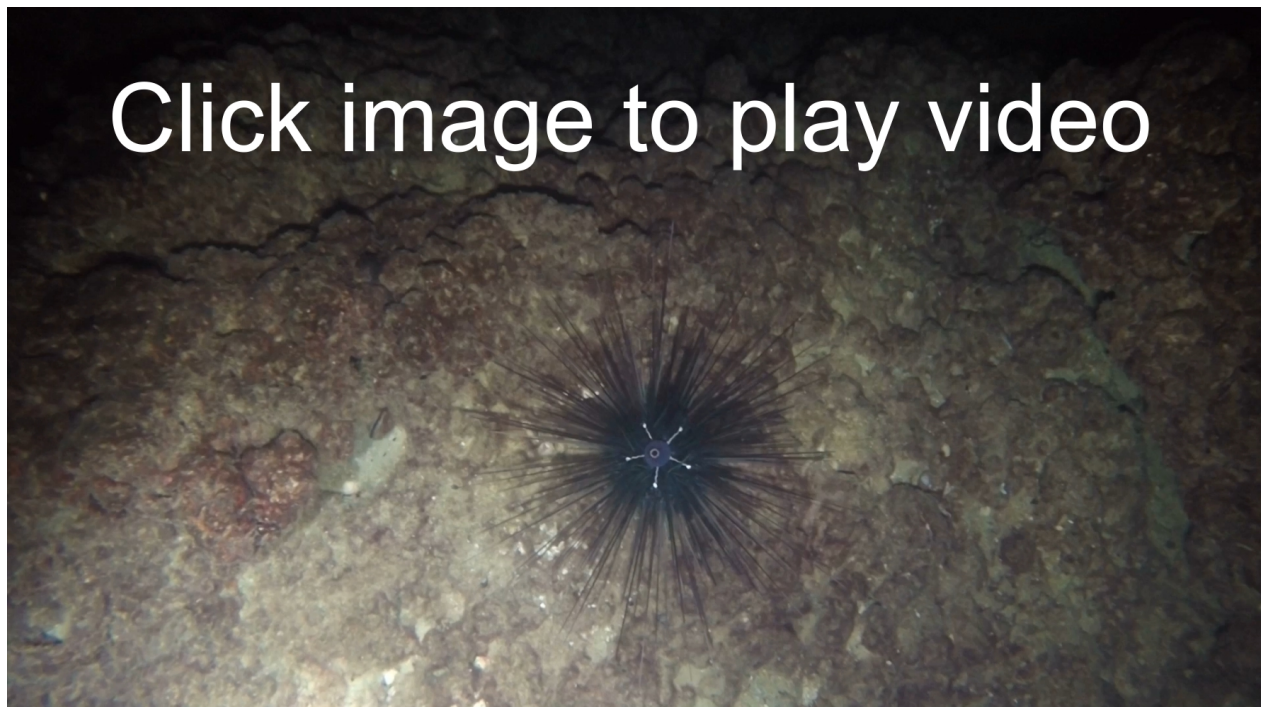
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Video S1

Video of live *Diadema setosum* in the field at a depth of 6–8 m during a night dive at the Gordon Beach site, Tel Aviv, Israel (32.086358°N, 34.763918°E), on 10.11.2016; courtesy of Adi Gvir. Specimen not collected. Open file in Adobe Acrobat Reader to play video.



Supplementary material

Table S2

List of samples including species names, GenBank accession numbers, applicability for the different datasets and source of the current and downloaded sequences used in the study.

Species	Accession	COI dataset	LYS dataset	Source
<i>D. setosum</i>	MG764560	+		Current study
<i>D. setosum</i>	KX600495	+		Bronstein <i>et al.</i> 2017
<i>D. setosum</i>	KY817839	+		Bronstein <i>et al.</i> 2017
<i>D. setosum</i>	KY817840	+		Bronstein <i>et al.</i> 2017
<i>D. setosum</i>	KY817841	+		Bronstein <i>et al.</i> 2017
<i>A. radiata</i>	AY012750	+		Lessios <i>et al.</i> 2001
<i>D. africanum</i>	AY012728	+		Lessios <i>et al.</i> 2001
<i>D. africanum</i>	AY012729	+		Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012730	+		Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012731	+		Lessios <i>et al.</i> 2001
<i>D. palmeri</i>	AY012736	+		Lessios <i>et al.</i> 2001
<i>D. mexicanum</i>	AY012734	+		Lessios <i>et al.</i> 2001
<i>D. mexicanum</i>	AY012735	+		Lessios <i>et al.</i> 2001
<i>D. paucispinum</i>	AY012738	+		Lessios <i>et al.</i> 2001
<i>D. paucispinum</i>	AY012739	+		Lessios <i>et al.</i> 2001
<i>D. paucispinum</i>	AY012740	+		Lessios <i>et al.</i> 2001
<i>D. paucispinum</i>	AY012741	+		Lessios <i>et al.</i> 2001
<i>D. setosum</i>	AY012732	+		Lessios <i>et al.</i> 2001
<i>D. setosum</i>	AY012733	+		Lessios <i>et al.</i> 2001
<i>D. setosum</i>	AY012746	+		Lessios <i>et al.</i> 2001
<i>D. setosum</i>	AY012747	+		Lessios <i>et al.</i> 2001
<i>D. setosum</i>	LC037357	+		Chow <i>et al.</i> 2016
<i>D. setosum</i>	LC037356	+		Chow <i>et al.</i> 2016
<i>D. setosum</i>	LC037355	+		Chow <i>et al.</i> 2016
<i>D. setosum</i>	AB909922	+		Chow <i>et al.</i> 2014
<i>D. setosum</i>	AB909923	+		Chow <i>et al.</i> 2014
<i>D. setosum</i>	AB909924	+		Chow <i>et al.</i> 2014
<i>D. setosum</i>	AB909925	+		Chow <i>et al.</i> 2014
<i>D. setosum</i>	AB909926	+		Chow <i>et al.</i> 2014
<i>D. setosum</i>	AB909927	+		Chow <i>et al.</i> 2014
<i>D. setosum</i>	AB909928	+		Chow <i>et al.</i> 2014
<i>D. setosum</i>	AB909929	+		Chow <i>et al.</i> 2014

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<i>D. setosum</i>	AB909930	+	Chow <i>et al.</i> 2014
<i>D. setosum</i>	AB909931	+	Chow <i>et al.</i> 2014
<i>D. clarki</i>	AY012744	+	Lessios <i>et al.</i> 2001
<i>D. clarki</i>	AY012745	+	Lessios <i>et al.</i> 2001
<i>D. clarki</i>	AB909932	+	Chow <i>et al.</i> 2014
<i>D. clarki</i>	AB909933	+	Chow <i>et al.</i> 2014
<i>D. clarki</i>	AB909934	+	Chow <i>et al.</i> 2014
<i>D. clarki</i>	AB909935	+	Chow <i>et al.</i> 2014
<i>D. clarki</i>	AB909936	+	Chow <i>et al.</i> 2014
<i>D. clarki</i>	AB909937	+	Chow <i>et al.</i> 2014
<i>D. clarki</i>	AB909938	+	Chow <i>et al.</i> 2014
<i>D. clarki</i>	AB909939	+	Chow <i>et al.</i> 2014
<i>D. clarki</i>	AB909940	+	Chow <i>et al.</i> 2014
<i>D. clarki</i>	AB909941	+	Chow <i>et al.</i> 2014
<i>D. clarki</i>	AB909942	+	Chow <i>et al.</i> 2014
<i>D. clarki</i>	AB909943	+	Chow <i>et al.</i> 2014
<i>D. clarki</i>	AB909944	+	Chow <i>et al.</i> 2014
<i>D. clarki</i>	AB909945	+	Chow <i>et al.</i> 2014
<i>D. clarki</i>	AB909946	+	Chow <i>et al.</i> 2014
<i>D. clarki</i>	AB909947	+	Chow <i>et al.</i> 2014
<i>D. clarki</i>	AB909948	+	Chow <i>et al.</i> 2014
<i>D. savignyi</i>	AB909949	+	Chow <i>et al.</i> 2014
<i>D. savignyi</i>	AB909950	+	Chow <i>et al.</i> 2014
<i>D. savignyi</i>	AB909951	+	Chow <i>et al.</i> 2014
<i>D. savignyi</i>	AB909952	+	Chow <i>et al.</i> 2014
<i>D. savignyi</i>	AB909953	+	Chow <i>et al.</i> 2014
<i>D. savignyi</i>	AB909954	+	Chow <i>et al.</i> 2014
<i>D. savignyi</i>	AB909955	+	Chow <i>et al.</i> 2014
<i>D. savignyi</i>	AB909956	+	Chow <i>et al.</i> 2014
<i>D. savignyi</i>	AB909957	+	Chow <i>et al.</i> 2014
<i>D. savignyi</i>	AY012742	+	Lessios <i>et al.</i> 2001
<i>D. savignyi</i>	AY012743	+	Lessios <i>et al.</i> 2001
<i>D. setosum</i>	MG764561	+	Current study
<i>D. setosum</i>	KX600494	+	Bronstein <i>et al.</i> 2017
<i>D. setosum</i>	KY817842	+	Bronstein <i>et al.</i> 2017
<i>D. setosum</i>	KY817843	+	Bronstein <i>et al.</i> 2017
<i>D. setosum</i>	KY817844	+	Bronstein <i>et al.</i> 2017
<i>A. radiata</i>	AY013238	+	Lessios <i>et al.</i> 2001
<i>E. calamaris</i>	AY013239	+	Lessios <i>et al.</i> 2001

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<i>E. calamaris</i>	AY013240	+	Lessios <i>et al.</i> 2001
<i>A. radiata</i>	AY013237	+	Lessios <i>et al.</i> 2001
<i>A. pulvinata</i>	AY013236	+	Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012754	+	Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012755	+	Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012756	+	Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012758	+	Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012759	+	Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012760	+	Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012761	+	Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012762	+	Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012763	+	Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012764	+	Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012766	+	Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012767	+	Lessios <i>et al.</i> 2001
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<i>D. antillarum</i>	AY012772	+	Lessios <i>et al.</i> 2001
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<i>D. antillarum</i>	AY012775	+	Lessios <i>et al.</i> 2001
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<i>D. antillarum</i>	AY012777	+	Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012779	+	Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012780	+	Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012781	+	Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012782	+	Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012783	+	Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012784	+	Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012785	+	Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012786	+	Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012787	+	Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012788	+	Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012795	+	Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012792	+	Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012790	+	Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012791	+	Lessios <i>et al.</i> 2001

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<i>D. antillarum</i>	AY012793	+	Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012794	+	Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012797	+	Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012798	+	Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012800	+	Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012801	+	Lessios <i>et al.</i> 2001
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<i>D. antillarum</i>	AY012807	+	Lessios <i>et al.</i> 2001
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<i>D. antillarum</i>	AY012825	+	Lessios <i>et al.</i> 2001
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<i>D. antillarum</i>	AY012834	+	Lessios <i>et al.</i> 2001
<i>D. antillarum</i>	AY012835	+	Lessios <i>et al.</i> 2001
<i>D. africanum</i>	AY012836	+	Lessios <i>et al.</i> 2001
<i>D. africanum</i>	AY012837	+	Lessios <i>et al.</i> 2001
<i>D. africanum</i>	AY012838	+	Lessios <i>et al.</i> 2001
<i>D. africanum</i>	AY012839	+	Lessios <i>et al.</i> 2001
<i>D. africanum</i>	AY012840	+	Lessios <i>et al.</i> 2001
<i>D. africanum</i>	AY012841	+	Lessios <i>et al.</i> 2001
<i>D. africanum</i>	AY012842	+	Lessios <i>et al.</i> 2001
<i>D. africanum</i>	AY012843	+	Lessios <i>et al.</i> 2001
<i>D. africanum</i>	AY012844	+	Lessios <i>et al.</i> 2001

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<i>D. africanum</i>	AY012845	+	Lessios <i>et al.</i> 2001
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<i>D. africanum</i>	AY012862	+	Lessios <i>et al.</i> 2001
<i>D. africanum</i>	AY012864	+	Lessios <i>et al.</i> 2001
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<i>D. africanum</i>	AY012853	+	Lessios <i>et al.</i> 2001
<i>D. africanum</i>	AY012854	+	Lessios <i>et al.</i> 2001
<i>D. africanum</i>	AY012855	+	Lessios <i>et al.</i> 2001
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<i>D. setosum</i>	AY012877	+	Lessios <i>et al.</i> 2001
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<i>D. setosum</i>	AY012898	+	Lessios <i>et al.</i> 2001

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<i>D. setosum</i>	AY012899	+	Lessios <i>et al.</i> 2001
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<i>D. setosum</i>	AY013152	+	Lessios <i>et al.</i> 2001
<i>D. setosum</i>	AY013153	+	Lessios <i>et al.</i> 2001
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<i>D. setosum</i>	AY013162	+	Lessios <i>et al.</i> 2001
<i>D. setosum</i>	AY013163	+	Lessios <i>et al.</i> 2001
<i>D. setosum</i>	AY013164	+	Lessios <i>et al.</i> 2001
<i>D. setosum</i>	AY013165	+	Lessios <i>et al.</i> 2001
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<i>D. setosum</i>	AY013189	+	Lessios <i>et al.</i> 2001
<i>D. setosum</i>	AY013190	+	Lessios <i>et al.</i> 2001
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<i>D. setosum</i>	AY013195	+	Lessios <i>et al.</i> 2001
<i>D. setosum</i>	AY013196	+	Lessios <i>et al.</i> 2001
<i>D. setosum</i>	AY013197	+	Lessios <i>et al.</i> 2001
<i>D. setosum</i>	AY013199	+	Lessios <i>et al.</i> 2001
<i>D. setosum</i>	AY013200	+	Lessios <i>et al.</i> 2001
<i>D. setosum</i>	AY013201	+	Lessios <i>et al.</i> 2001
<i>D. setosum</i>	AY013202	+	Lessios <i>et al.</i> 2001
<i>D. setosum</i>	AY013203	+	Lessios <i>et al.</i> 2001
<i>D. setosum</i>	AY013204	+	Lessios <i>et al.</i> 2001
<i>D. setosum</i>	AY013205	+	Lessios <i>et al.</i> 2001
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Supplementary material

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Supplementary material

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Supplementary material

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Supplementary material

Figure S3

The images presented in this figure were obtained during the proofs stage of this manuscript. Live *Diadema setosum* in the field showing two mature specimens (A) the typical *D. setosum* colorations, and (B) a variant 'white' morph. Images taken at the Gordon Beach site, Tel Aviv, Israel (32.086358°N, 34.763918°E), at a depth of 7 m during a night dive on 27.09.2018; courtesy of Dror Gilat.

