

**S9 Table. Information for the gap analysis with distribution records with the species potential distribution (SPD) approach obtained with species distribution modeling (SDM).** List of all 60 species of the UAE, showing their regional IUCN conservation category, their SPD area, the SPD area inside protected areas, and the percentage of the SPD area inside protected areas. The eight species that did not have the minimum of five records to infer their SDMs are underlined. In these cases, the SPD was calculated by the sum of all 4 km<sup>2</sup> squares inside the minimum convex polygon of each species. Asterisks highlight the three introduced species. The introduced species have not been included in Fig. 9 and in the analysis and discussion of the results of the gap analysis.

Species	Regional IUCN	Total area (km <sup>2</sup> )	Area protected (km <sup>2</sup> )	Area protected (%)
<u>Asaccus caudivolvulus</u>	CR	8	0	0.0
<u>Asaccus margaritae</u>	VU	4	0	0.0
<i>Platyceps ventromaculatus</i>	VU	116	0	0.0
<u>Pristurus carteri</u>	CR	32	0	0.0
<i>Asaccus gardneri</i>	LC	1,156	52	4.5
<i>Acanthodactylus boskianus asper</i>	NT	2,152	164	7.6
<i>Spalerosophis diadema cliffordii</i>	LC	6,048	480	7.9
<i>Telescopus dhara dhara</i>	LC	6,028	500	8.3
<i>Trachydactylus hajarensis</i>	LC	5,700	508	8.9
<i>Omanosaura cyanura</i>	LC	5,836	612	10.5
<i>Platyceps rhodorachis rhodorachis</i>	LC	5292	580	11.0
<i>Pristurus rupestris</i> -sp. 3	LC	5,732	640	11.2
<i>Pseudotrapelus jensvindumi</i>	LC	6,508	736	11.3
<i>Pristurus celerrimus</i>	LC	5,172	592	11.4
<i>Ptyodactylus ruusaljibalicus</i>	LC	4,888	568	11.6
<i>Echis omanensis</i>	LC	5,628	656	11.7
<i>Ptyodactylus orlovi</i>	LC	8,948	1,068	11.9
<i>Mesalina adramitana</i>	LC	23,088	2,772	12.0
<i>Asaccus gallagheri</i>	LC	5,212	632	12.1
<i>Trachylepis tessellata</i>	LC	5,436	660	12.1
<i>Omanosaura jayakari</i>	LC	5,012	612	12.2
<i>Pseudocerastes persicus</i>	LC	3,260	416	12.8
<i>Teratoscincus keyserlingii</i>	CR	9,452	1,208	12.8
<i>Acanthodactylus haasi</i>	DD	46,260	5,932	12.8
<i>Diplometopon zarudnyi</i>	LC	46,552	6,188	13.3
<i>Pristurus minimus</i>	LC	13,264	1,776	13.4
<i>Uromastix aegyptia leptieni</i>	VU	59,640	8,080	13.5
<i>Echis carinatus sochureki</i>	LC	50,424	7,068	14.0
<i>Hemidactylus robustus</i>	LC	48,160	6,940	14.4
<i>Myriopholis macrorhyncha</i>	LC	28,228	4,236	15.0
<i>Pseudoceramodactylus khobarensis</i>	LC	51,376	7,932	15.4
<i>Stenodactylus slevini</i>	LC	44,936	7,044	15.7
<i>Trapelus flavimaculatus</i>	LC	53,524	8,456	15.8
<i>Mesalina brevirostris</i>	LC	23,716	3,992	16.8
<i>Scincus scincus conirostris</i>	DD	20,712	3,552	17.1
<u>Hemidactylus persicus</u>	VU	1,032	180	17.4
<i>Rhagerhis moilensis</i>	LC	28,176	5,052	17.9
<i>Lytorhynchus diadema diadema</i>	LC	65,892	12,032	18.3
<u>Heremites septemtaeniatus</u>	DD	3,144	580	18.4
<i>Cerastes gasperettii gasperettii</i>	LC	65,284	12,544	19.2
<i>Psammophis schokari</i>	LC	78,364	16,032	20.5
<i>Eryx jayakari</i>	LC	74,416	15,272	20.5
<i>Phrynocephalus arabicus</i>	LC	71,012	14,684	20.7
<i>Bunopus tuberculatus</i>	LC	77,776	16,160	20.8
<i>Stenodactylus doriae</i>	LC	74,484	15,828	21.3
<i>Varanus griseus griseus</i>	LC	73,140	15,604	21.3
<i>Acanthodactylus gongrorhynchatus</i>	LC	72,716	15,592	21.4
<i>Acanthodactylus schmidti</i>	LC	73,900	15,856	21.5
<i>Scincus mitranus</i>	LC	72,040	15,672	21.8
<i>Uromastix aegyptia microlepis</i>	VU	55,360	12,044	21.8
<i>Cyrtopodion scabrum</i>	LC	61,148	13,516	22.1
<i>Stenodactylus arabicus</i>	LC	64,784	15,088	23.3
<i>Phrynocephalus maculatus</i>	LC	57,864	13,728	23.7
<i>Stenodactylus leptocymbotes</i>	LC	19,308	4,676	24.2
<i>Acanthodactylus ophedurus</i>	DD	29,596	8,516	28.8
<u>Ablepharus pannonicus</u>	LC	64	20	31.3
<u>Acanthodactylus blanfordii</u>	VU	8	8	100.0