

SUPPLEMENTARY MATERIAL

Table S1. Summary of the domains of the model scenarios describing the length, width (in mm) and respective frontal area (in mm²) of sicklefin devil ray and remoras (small and large), and the resulting resistance (Reynolds numbers; Re_L) at slow (0.75 m s⁻¹) and fast (4.0 m s⁻¹) sicklefin devil ray swimming speeds.

Scenarios	Length	Width	Frontal Area	Re _L (0.75)	Re _L (4.00)
<i>M. tarapacana</i>	1680	3000	460.4	1.2x10 ⁶	6.3x10 ⁶
<i>Remora</i> sp. (small)	120	30	0.5	8.5x10 ⁴	4.5x10 ⁵
<i>Remora</i> sp. (large)	480	110	7.9	3.4x10 ⁵	1.8x10 ⁶
<i>M. tarapacana</i> & <i>Remora</i> sp. (large)	1680	3000	460.4	1.2x10 ⁶	6.3x10 ⁶

Table S2. Grid independence comparison for sicklefin devil ray and remora, showing the mesh size, cell number, drag (N: Newtons) and the percentage of deviance. Bold highlights the drag differences between the fine and very fine mesh.

Mesh	Mobula			Remora		
	Cell n.	Drag (N)	Dev. (%)	Cell n.r	Drag (N)	Dev. (%)
Coarse	2 333 231	-14.050	2.703	430 156	-0.443	2,523
Medium	4 462 563	-14.000	2.274	629 960	-0.441	1,955
Fine	6 904 439	-13.700	0.080	971 327	-0.433	-0,006
Very fine	7 702 182	-13.680	-	1 231 253	-0.433	-

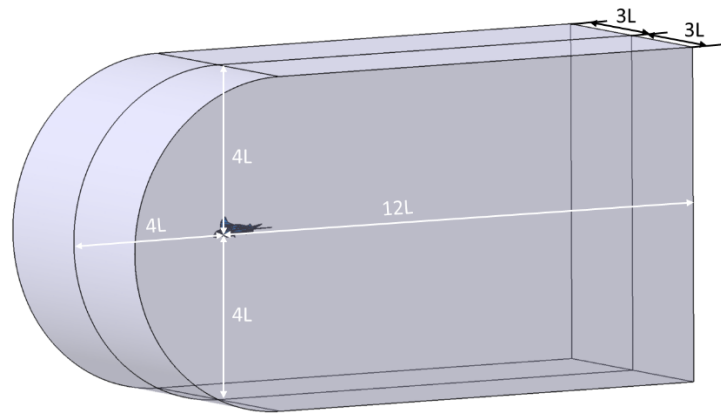


Fig. S1. Fluid domain representation for sicklefin devil ray. Scale based on the characteristic length (L) of the biggest body present in the domain.

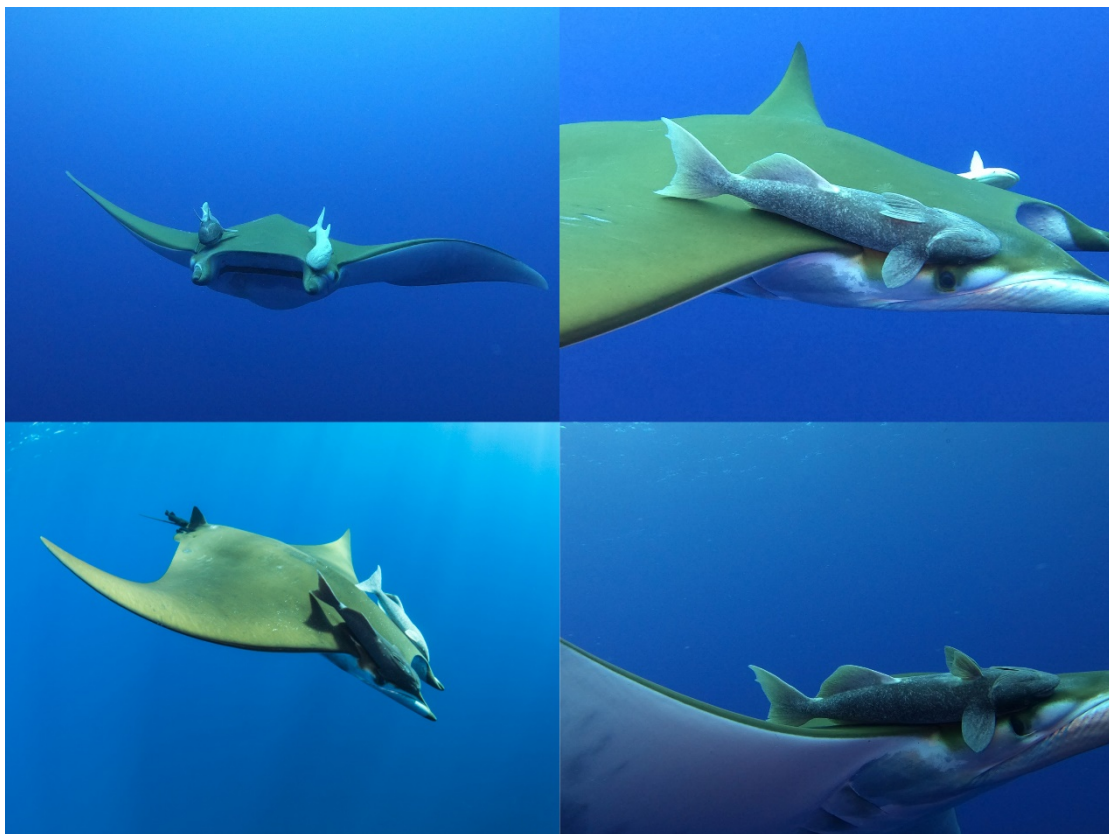


Fig. S2. Example of images used to confirm the identification of *Remora remora*.

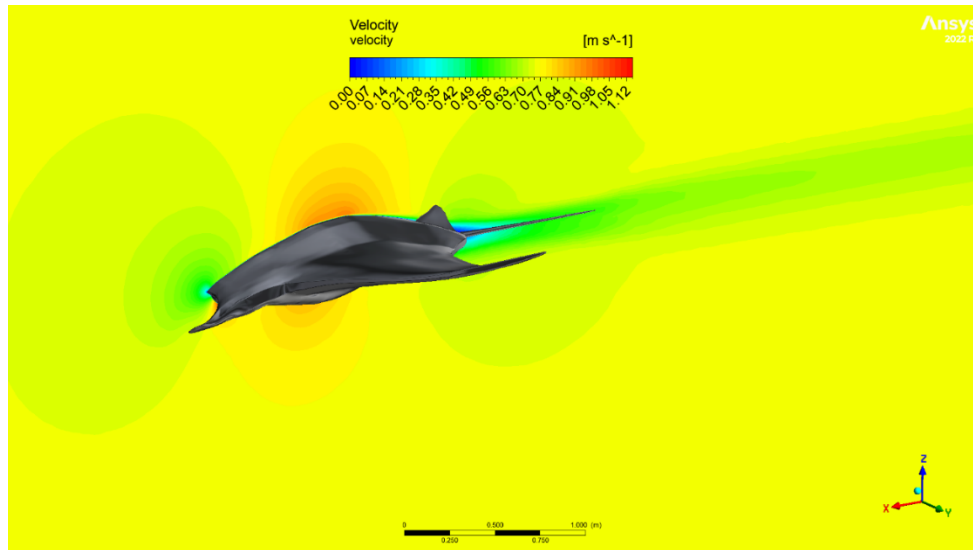


Fig. S3. Free stream velocity profile of sicklefin devil ray. Velocity contours displayed on the section plane of a ray swimming at 0.75 m s^{-1} and coloured by velocity magnitude.



Fig. S4. Remoras hovering at the ventral side of sicklefin devil ray during a feeding event at Princess Alice seamount, Azores, Portugal. Note the small remora in the back of the ray carrying a fish in its mouth.