

S3 Table. Raw Data: Morphological gape measurements for species used in the analyses.

Species	SL	a	b	c	d	e	f	g	h	i	p	q	j	k	l	m	n1	n2	n3
<i>Cephalopholis urodeta</i>	105.1	27.9	24.3	29.8	23	28.1	22.4	28.5	20	22.7	19.7	20	17.9	18.6	16.4	20.5	15.5	11.5	7
<i>Cephalopholis urodeta</i>	98.4	25.6	22.7	28.6	26.3	24.7	23.5	33.5	18.2	23.0	19.0	21.1	16.9	20.2	17.5	19.2	17.6	16.2	11.8
<i>Cephalopholis urodeta</i>	85.5	22.6	18	27.5	21.7	22	18.5	25.7	17	19.1	18	18	15.7	15	13.4	14.5	10.5	9	4.2
<i>Paracirrhites forsteri</i>	71	14.6	9.6	14.5	12.6	14.5	12.6	14.2	10.7	10.6	8.8	9.6	8.4	8.4	6.3	7.1	7	7.4	7.4
<i>Paracirrhites forsteri</i>	109	20	18.5	21.1	19.6	22	19.3	22.9	16	18.8	14.3	14.9	12.8	14	12.6	14.4	12.2	8.7	10
<i>Paracirrhites forsteri</i>	94	17.5	15.7	18.8	16	19.7	16.2	19.3	14.7	15.9	14.9	13.7	12.4	12.9	11.1	13.5	12.6	12.5	9
<i>Pterois volitans</i>	119.2	27.4	22.8	32	26.8	28.6	25.6	30	18.1	22.8	27.5	21.2	17.3	18.4	13.6	17.5	16.2	16.8	15.9
<i>Pterois volitans</i>	121.7	28	22.5	35.7	32.5	29.6	27.4	31.9	22.3	26.8	27.6	23.4	18.8	18.9	16.2	17.4	16.5	14.9	13.2
<i>Pterois volitans</i>	123.2	31.2	24.7	35.5	26.7	30.3	27.2	30.9	23.9	27.5	20.1	22.9	19.4	20	15.2	18.6	19.5	20.3	15.8
<i>Lates calcarifer</i>	126.5	22	21	27	25.6	24	22.5	21.93	15.2	17.5	18.1	18.3	12.2	16.2	12.3	12.5	14.5	19.2	11.7
<i>Lates calcarifer</i>	128.2	20.5	20.7	28	25	23.5	22.5	26.19	17.1	20	22.6	16.5	14.5	17.9	10.7	11.1	16.1	16.4	11.4
<i>Lates calcarifer</i>	139.3	24.9	23.2	30.3	28.1	27.3	24.5	28.16	16.2	23.3	21.5	21.4	15.1	19	11.3	13	12.6	17.5	9.6