

Table S1: Raw data used in our analyses: dietary hardness categories, PC scores for cranial morphology, mechanical advantage (MA) values, percentages of the jaw moment for the two major cranial muscles, and percentages of the two most used loading behaviors when feeding on hard foods.

Species	N	Diet Hardness	Morphology PC	MA	% Moment Temporalis	% Moment Masseter	% Deep Bilateral Biting	% Deep Unilateral Biting
<i>Anoura geoffroyi</i>	1	liquid	-1.419	0.263	0.693	0.112		
<i>Artibeus jamaicensis</i>	2	hard	1.203	0.717	0.758	0.127	11.271	76.571
<i>Carollia brevicauda</i>	4	soft	-0.081	0.765	0.698	0.161	61.802	35.921
<i>Carollia perspicillata</i>	2	soft	-0.033	0.868	0.658	0.177	88.500	2.667
<i>Centurio senex</i>	1	very hard	1.179	0.958	0.879	0.063	7.700	77.643
<i>Desmodus rotundus</i>	1	liquid	-2.394	0.353	0.670	0.123		
<i>Enchistenes hartii</i>	2	hard		0.835	0.744	0.114		
<i>Glossophaga soricina</i>	1	liquid	-1.026	0.086	0.881	0.058	78.000	22.000
<i>Lonchophylla robusta</i>	2	liquid	-1.311	0.604	0.691	0.142		
<i>Lophostoma brasiliense</i>	3	medium		0.728	0.747	0.157	43.933	21.067
<i>Lophostoma silvicolum</i>	2	medium	0.416	0.558	0.758	0.152	50.850	21.375
<i>Micronycteris hirsuta</i>	3	medium	-0.129	0.944	0.762	0.150	82.533	11.900
<i>Micronycteris megalotis</i>	2	medium	-0.594	0.424	0.693	0.177		
<i>Micronycteris minuta</i>	1	medium	-0.665	0.786	0.740	0.141		
<i>Mimon crenulatum</i>	3	medium	0.357	0.420	0.739	0.140	66.150	32.200
<i>Phylloderma stenops</i>	2	medium	0.379	0.709	0.690	0.183	26.575	7.375
<i>Phyllostomus elongatus</i>	2	medium	0.766	0.454	0.738	0.171	57.800	22.225
<i>Phyllostomus hastatus</i>	2	very hard	1.010	0.503	0.782	0.131	47.629	15.371
<i>Sphaeronycteris toxophyllum</i>	1	very hard	0.645	0.538	0.859	0.053	1.700	89.200
<i>Sturnira lilium</i>	2	hard	0.343	0.713	0.693	0.123	15.667	4.333
<i>Tonatia saurophila</i>	3	medium	0.635	0.658	0.773	0.134	85.600	14.414
<i>Trachops cirrhosus</i>	4	very hard	-0.600	0.531	0.788	0.095	58.333	36.117
<i>Uroderma bilobatum</i>	2	hard	0.648	0.465	0.744	0.117	1.800	80.920
<i>Vampyressa thyone</i>	1	hard	0.461	0.729	0.730	0.050		