

\$Genus_Species carbon

	diff	lwr	upr	p adj
Channa micropeltes-Boesemania microlepis	-4.1678636	-6.7022192	-1.6335081	0.0000198
Chitala ornata-Boesemania microlepis	-2.5562800	-5.3767325	0.2641725	0.1100397
Hemibagrus spilopterus-Boesemania microlepis	-1.4051710	-3.7439471	0.9336052	0.6269717
Labeo chrysophekadion-Boesemania microlepis	-3.3572370	-5.7686731	-0.9458010	0.0006569
Labiobarbus leptocheila-Boesemania microlepis	-2.0760229	-4.3571663	0.2051206	0.1068493
Labiobarbus siamensis-Boesemania microlepis	-1.8810818	-4.4154374	0.6532737	0.3318004
Notopterus notopterus-Boesemania microlepis	-2.8978379	-5.2707153	-0.5249605	0.0052272
Pangasius larnaudii-Boesemania microlepis	-1.6566903	-3.9954665	0.6820858	0.3972134
Chitala ornata-Channa micropeltes	1.6115836	-1.2340595	4.4572268	0.6993668
Hemibagrus spilopterus-Channa micropeltes	2.7626927	0.3935987	5.1317867	0.0096221
Labeo chrysophekadion-Channa micropeltes	0.8106266	-1.6302249	3.2514781	0.9814813
Labiobarbus leptocheila-Channa micropeltes	2.0918408	-0.2203763	4.4040579	0.1114666
Labiobarbus siamensis-Channa micropeltes	2.2867818	-0.2755785	4.8491421	0.1225360
Notopterus notopterus-Channa micropeltes	1.2700257	-1.1327393	3.6727907	0.7726499
Pangasius larnaudii-Channa micropeltes	2.5111733	0.1420793	4.8802673	0.0285622
Hemibagrus spilopterus-Chitala ornata	1.1511090	-1.5218296	3.8240476	0.9151973
Labeo chrysophekadion-Chitala ornata	-0.8009570	-3.5376979	1.9357838	0.9918579
Labiobarbus leptocheila-Chitala ornata	0.4802571	-2.1424023	3.1029165	0.9997110
Labiobarbus siamensis-Chitala ornata	0.6751982	-2.1704449	3.5208413	0.9980864
Notopterus notopterus-Chitala ornata	-0.3415579	-3.0443850	2.3612691	0.9999829
Pangasius larnaudii-Chitala ornata	0.8995897	-1.7733489	3.5725283	0.9798635
Labeo chrysophekadion-Hemibagrus spilopterus	-1.9520661	-4.1891785	0.2850464	0.1422991
Labiobarbus leptocheila-Hemibagrus spilopterus	-0.6708519	-2.7668633	1.4251595	0.9853670
Labiobarbus siamensis-Hemibagrus spilopterus	-0.4759109	-2.8450048	1.8931831	0.9994263
Notopterus notopterus-Hemibagrus spilopterus	-1.4926670	-3.6881613	0.7028274	0.4559790
Pangasius larnaudii-Hemibagrus spilopterus	-0.2515194	-2.4101120	1.9070733	0.9999909
Labiobarbus leptocheila-Labeo chrysophekadion	1.2812142	-0.8955756	3.4580039	0.6530865
Labiobarbus siamensis-Labeo chrysophekadion	1.4761552	-0.9646963	3.9170067	0.6184549
Notopterus notopterus-Labeo chrysophekadion	0.4593991	-1.8133405	2.7321387	0.9993995
Pangasius larnaudii-Labeo chrysophekadion	1.7005467	-0.5365657	3.9376591	0.2996108
Labiobarbus siamensis-Labiobarbus leptocheila	0.1949410	-2.1172761	2.5071581	0.9999993
Notopterus notopterus-Labiobarbus leptocheila	-0.8218151	-2.9558106	1.3121805	0.9545085
Pangasius larnaudii-Labiobarbus leptocheila	0.4193325	-1.6766789	2.5153439	0.9994433
Notopterus notopterus-Labiobarbus siamensis	-1.0167561	-3.4195211	1.3860089	0.9228217
Pangasius larnaudii-Labiobarbus siamensis	0.2243915	-2.1447025	2.5934855	0.9999982
Pangasius larnaudii-Notopterus notopterus	1.2411476	-0.9543467	3.4366419	0.7014382

Nitrogen

Channa micropeltes-Boesemania microlepis	-2.92001285	-4.2432776	-1.59674806	0.0000000
Chitala ornata-Boesemania microlepis	-1.90931072	-3.3819555	-0.43666592	0.0021664
Hemibagrus spilopterus-Boesemania microlepis	-1.53422384	-2.7553706	-0.31307705	0.0034878
Labeo chrysophekadion-Boesemania microlepis	-4.45395443	-5.7130392	-3.19486969	0.0000000
Labiobarbus leptocheila-Boesemania microlepis	-4.80203453	-5.9930895	-3.61097954	0.0000000
Labiobarbus siamensis-Boesemania microlepis	-4.82384012	-6.1471049	-3.50057533	0.0000000
Notopterus notopterus-Boesemania microlepis	-2.81075532	-4.0497074	-1.57180323	0.0000000
Pangasius larnaudii-Boesemania microlepis	-1.20744965	-2.4285964	0.01369714	0.0552639
Chitala ornata-Channa micropeltes	1.01070212	-0.4750955	2.49649971	0.4552093
Hemibagrus spilopterus-Channa micropeltes	1.38578900	0.1488123	2.62276566	0.0156178
Labeo chrysophekadion-Channa micropeltes	-1.53394158	-2.8083850	-0.25949812	0.0063740
Labiobarbus leptocheila-Channa micropeltes	-1.88202169	-3.0893012	-0.67474220	0.0000686
Labiobarbus siamensis-Channa micropeltes	-1.90382727	-3.2417142	-0.56594033	0.0004400
Notopterus notopterus-Channa micropeltes	0.10925752	-1.1452998	1.36381484	0.9999991
Pangasius larnaudii-Channa micropeltes	1.71256320	0.4755865	2.94953986	0.0007256
Hemibagrus spilopterus-Chitala ornata	0.37508688	-1.0205364	1.77071014	0.9954276
Labeo chrysophekadion-Chitala ornata	-2.54464370	-3.9735801	-1.11570733	0.0000025
Labiobarbus leptocheila-Chitala ornata	-2.89272381	-4.2620948	-1.52335287	0.0000000
Labiobarbus siamensis-Chitala ornata	-2.91452939	-4.4003270	-1.42873180	0.0000001
Notopterus notopterus-Chitala ornata	-0.90144460	-2.3126735	0.50978432	0.5445235
Pangasius larnaudii-Chitala ornata	0.70186108	-0.6937622	2.09748433	0.8173592
Labeo chrysophekadion-Hemibagrus spilopterus	-2.91973059	-4.0877956	-1.75166555	0.0000000
Labiobarbus leptocheila-Hemibagrus spilopterus	-3.26781069	-4.3622026	-2.17341883	0.0000000
Labiobarbus siamensis-Hemibagrus spilopterus	-3.28961628	-4.5265929	-2.05263962	0.0000000
Notopterus notopterus-Hemibagrus spilopterus	-1.27653148	-2.4228664	-0.13019652	0.0167376
Pangasius larnaudii-Hemibagrus spilopterus	0.32677419	-0.8002933	1.45384165	0.9923530
Labiobarbus leptocheila-Labeo chrysophekadion	-0.34808011	-1.4846488	0.78848861	0.9890091
Labiobarbus siamensis-Labeo chrysophekadion	-0.36988569	-1.6443292	0.90455778	0.9922999
Notopterus notopterus-Labeo chrysophekadion	1.64319911	0.4565320	2.82986617	0.0007233
Pangasius larnaudii-Labeo chrysophekadion	3.24650478	2.0784397	4.41456982	0.0000000

Labiobarbus siamensis-Labiobarbus leptocheila	-0.02180558	-1.2290851	1.18547391	
	1.00000000			
Notopterus notopterus-Labiobarbus leptocheila	1.99127921	0.8770547	3.10550376	0.0000022
Pangasius larnaudii-Labiobarbus leptocheila	3.59458488	2.5001930	4.68897675	0.0000000
Notopterus notopterus-Labiobarbus siamensis	2.01308480	0.7585275	3.26764211	0.0000355
Pangasius larnaudii-Labiobarbus siamensis	3.61639047	2.3794138	4.85336713	0.0000000
Pangasius larnaudii-Notopterus notopterus	1.60330567	0.4569707	2.74964063	0.0006046