

Bankoff *et al.* Supplemental Table 1

	Species 1: Species 2 & not Species 3 or Consensus ⁱ	Species 3: Species 2 & not Species 1 or Consensus	P-value	Ratio	Bonferroni adjusted P-value
	Daubentonia.vs.Homo.vs.Propithecus	Propithecus.vs.Homo.vs.Daubentonia	0.4578	0.705882353	1
Covergent:	12	17			
Comparable:	7756	7756			
	Daubentonia.vs.Pteronotus.vs.Propithecus	Propithecus.vs.Pteronotus.vs.Daubentonia	0.4543	0.6	1
Covergent:	6	10			
Comparable:	7746	7746			
	Daubentonia.vs.Myotis.vs.Propithecus	Propithecus.vs.Myotis.vs.Daubentonia	1	1	1
Covergent:	7	7			
Comparable:	7742	7742			
	Daubentonia.vs.Rhinolophus.vs.Propithecus	Propithecus.vs.Rhinolophus.vs.Daubentonia	0.6634	0.75	1
Covergent:	9	12			
Comparable:	7580	7580			
	Daubentonia.vs.Megaderma.vs.Propithecus	Propithecus.vs.Megaderma.vs.Daubentonia	1	1	1
Covergent:	8	8			
Comparable:	6928	6928			
	Daubentonia.vs.Pteropus.vs.Propithecus	Propithecus.vs.Pteropus.vs.Daubentonia	0.5077	0.5	1
Covergent:	3	6			
Comparable:	7679	7679			
	Daubentonia.vs.Eidolon.vs.Propithecus	Propithecus.vs.Eidolon.vs.Daubentonia	1	0.8333333333	1
Covergent:	5	6			
Comparable:	7677	7677			
	Daubentonia.vs.Tursiops.vs.Propithecus	Propithecus.vs.Tursiops.vs.Daubentonia	0.7743	1.4	1
Covergent:	7	5			
Comparable:	7313	7313			
	Daubentonia.vs.Bos.vs.Propithecus	Propithecus.vs.Bos.vs.Daubentonia	0.04892	0.307692308	0.58704
Covergent:	4	13			
Comparable:	7757	7757			

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	Daubentonia.vs.Mus.vs.Propithecus	Propithecus.vs.Mus.vs.Daubentonia	1	0.875	1
Covergent:	7	8			
Comparable:	7756	7756			
	Daubentonia.vs.Loxodonta.vs.Propithecus	Propithecus.vs.Loxodonta.vs.Daubentonia	0.8387	0.846153846	1
Covergent:	11	13			
Comparable:	6991	6991			
	Daubentonia.vs.Oryctolagus.vs.Propithecus	Propithecus.vs.Oryctolagus.vs.Daubentonia	0.6634	0.75	1
Covergent:	9	12			
Comparable:	7534	7534			
	Rhinolophus.vs.Daubentonia.vs.Pteropus	Pteropus.vs.Daubentonia.vs.Rhinolophus	0.2629	1.857142857	1
Covergent:	13	7			
Comparable:	8122	8122			
	Rhinolophus.vs.Daubentonia.vs.Eidolon	Eidolon.vs.Daubentonia.vs.Rhinolophus	0.541	1.4	1
Covergent:	14	10			
Comparable:	8117	8117			
	Rhinolophus.vs.Propithecus.vs.Pteropus	Pteropus.vs.Propithecus.vs.Rhinolophus	0.2097	1.875	1
Covergent:	15	8			
Comparable:	7583	7583			
	Rhinolophus.vs.Propithecus.vs.Eidolon	Eidolon.vs.Propithecus.vs.Rhinolophus	0.2097	1.875	1
Covergent:	15	8			
Comparable:	7581	7581			
	Rhinolophus.vs.Homo.vs.Pteropus	Pteropus.vs.Homo.vs.Rhinolophus	0.2474	1.7	1
Covergent:	17	10			
Comparable:	8220	8220			
	Rhinolophus.vs.Homo.vs.Eidolon	Eidolon.vs.Homo.vs.Rhinolophus	0.4727	1.384615385	1
Covergent:	18	13			
Comparable:	8215	8215			

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	Rhinolophus.vs.Pteronotus.vs.Pteropus	Pteropus.vs.Pteronotus.vs.Rhinolophus	1.50E-08	6.25	1.7976E-07
Covergent:	50	8			
Comparable:	8212	8212			
	Rhinolophus.vs.Pteronotus.vs.Eidolon	Eidolon.vs.Pteronotus.vs.Rhinolophus	7.11E-09	7	8.5344E-08
Covergent:	49	7			
Comparable:	8214	8214			
	Rhinolophus.vs.Myotis.vs.Pteropus	Pteropus.vs.Myotis.vs.Rhinolophus	2.87E-15	10.57142857	3.444E-14
Covergent:	74	7			
Comparable:	8210	8210			
	Rhinolophus.vs.Myotis.vs.Eidolon	Eidolon.vs.Myotis.vs.Rhinolophus	4.88E-16	12.33333333	5.8572E-15
Covergent:	74	6			
Comparable:	8202	8202			
	Rhinolophus.vs.Megaderma.vs.Pteropus	Pteropus.vs.Megaderma.vs.Rhinolophus	2.20E-16	46.2	2.64E-15
Covergent:	231	5			
Comparable:	7559	7559			
	Rhinolophus.vs.Megaderma.vs.Eidolon	Eidolon.vs.Megaderma.vs.Rhinolophus	2.20E-16	59	2.64E-15
Covergent:	236	4			
Comparable:	7554	7554			
	Rhinolophus.vs.Pteropus.vs.Eidolon	Eidolon.vs.Pteropus.vs.Rhinolophus	1.59E-12	0.072727273	1.908E-11
Covergent:	4	55			
Comparable:	8151	8151			
	Rhinolophus.vs.Eidolon.vs.Pteropus	Pteropus.vs.Eidolon.vs.Rhinolophus	2.20E-16	0	2.64E-15
Covergent:	0	55			
Comparable:	8151	8151			
	Rhinolophus.vs.Tursiops.vs.Pteropus	Pteropus.vs.Tursiops.vs.Rhinolophus	2.86E-13	8.625	3.4368E-12
Covergent:	69	8			
Comparable:	7673	7673			

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	Rhinolophus.vs.Tursiops.vs.Eidolon	Eidolon.vs.Tursiops.vs.Rhinolophus	2.20E-16	17.25	2.64E-15
Covergent:	69	4			
Comparable:	7669	7669			
	Rhinolophus.vs.Bos.vs.Pteropus	Pteropus.vs.Bos.vs.Rhinolophus	0.8317	1.2	1
Covergent:	12	10			
Comparable:	8221	8221			
	Rhinolophus.vs.Bos.vs.Eidolon	Eidolon.vs.Bos.vs.Rhinolophus	1	1.090909091	1
Covergent:	12	11			
Comparable:	8216	8216			
	Rhinolophus.vs.Mus.vs.Pteropus	Pteropus.vs.Mus.vs.Rhinolophus	4.15E-05	4.714285714	0.00049764
Covergent:	33	7			
Comparable:	8219	8219			
	Rhinolophus.vs.Mus.vs.Eidolon	Eidolon.vs.Mus.vs.Rhinolophus	5.89E-07	8.5	7.0656E-06
Covergent:	34	4			
Comparable:	8214	8214			
	Rhinolophus.vs.Loxodonta.vs.Pteropus	Pteropus.vs.Loxodonta.vs.Rhinolophus	1.27E-05	6.2	0.0001518
Covergent:	31	5			
Comparable:	7549	7549			
	Rhinolophus.vs.Loxodonta.vs.Eidolon	Eidolon.vs.Loxodonta.vs.Rhinolophus	0.0001141	4.428571429	0.0013692
Covergent:	31	7			
Comparable:	7523	7523			
	Rhinolophus.vs.Oryctolagus.vs.Pteropus	Pteropus.vs.Oryctolagus.vs.Rhinolophus	0.0093	3.333333333	0.1116
Covergent:	20	6			
Comparable:	8003	8003			
	Rhinolophus.vs.Oryctolagus.vs.Eidolon	Eidolon.vs.Oryctolagus.vs.Rhinolophus	0.01906	2.857142857	0.22872
Covergent:	20	7			
Comparable:	7995	7995			

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	Megaderma.vs.Daubentonia.vs.Pteropus	Pteropus.vs.Daubentonia.vs.Megaderma	0.332	1.833333333	1
Covergent:	11	6			
Comparable:	7462	7462			
	Megaderma.vs.Daubentonia.vs.Eidolon	Eidolon.vs.Daubentonia.vs.Megaderma	0.8317	1.2	1
Covergent:	12	10			
Comparable:	7457	7457			
	Megaderma.vs.Propithecus.vs.Pteropus	Pteropus.vs.Propithecus.vs.Megaderma	0.8035	1.285714286	1
Covergent:	9	7			
Comparable:	6931	6931			
	Megaderma.vs.Propithecus.vs.Eidolon	Eidolon.vs.Propithecus.vs.Megaderma	1	1.125	1
Covergent:	9	8			
Comparable:	6929	6929			
	Megaderma.vs.Homo.vs.Pteropus	Pteropus.vs.Homo.vs.Megaderma	0.2474	1.7	1
Covergent:	17	10			
Comparable:	7558	7558			
	Megaderma.vs.Homo.vs.Eidolon	Eidolon.vs.Homo.vs.Megaderma	0.3611	1.5	1
Covergent:	18	12			
Comparable:	7553	7553			
	Megaderma.vs.Pteronotus.vs.Pteropus	Pteropus.vs.Pteronotus.vs.Megaderma	3.00E-07	6.666666667	3.5964E-06
Covergent:	40	6			
Comparable:	7551	7551			
	Megaderma.vs.Pteronotus.vs.Eidolon	Eidolon.vs.Pteronotus.vs.Megaderma	1.71E-07	6.833333333	2.0496E-06
Covergent:	41	6			
Comparable:	7553	7553			
	Megaderma.vs.Myotis.vs.Pteropus	Pteropus.vs.Myotis.vs.Megaderma	4.12E-13	10.5	4.938E-12
Covergent:	63	6			
Comparable:	7549	7549			

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	Megaderma.vs.Myotis.vs.Eidolon	Eidolon.vs.Myotis.vs.Megaderma	1.31E-13	12.4	1.5672E-12
Covergent:	62	5			
Comparable:	7541	7541			
	Megaderma.vs.Rhinolophus.vs.Pteropus	Pteropus.vs.Rhinolophus.vs.Megaderma	2.20E-16	115.5	2.64E-15
Covergent:	231	2			
Comparable:	7559	7559			
	Megaderma.vs.Rhinolophus.vs.Eidolon	Eidolon.vs.Rhinolophus.vs.Megaderma	2.20E-16	236	2.64E-15
Covergent:	236	1			
Comparable:	7554	7554			
	Megaderma.vs.Pteropus.vs.Eidolon	Eidolon.vs.Pteropus.vs.Megaderma	3.58E-11	0.08	4.2996E-10
Covergent:	4	50			
Comparable:	7489	7489			
	Megaderma.vs.Eidolon.vs.Pteropus	Pteropus.vs.Eidolon.vs.Megaderma	1.66E-15	0	1.9908E-14
Covergent:	0	50			
Comparable:	7489	7489			
	Megaderma.vs.Tursiops.vs.Pteropus	Pteropus.vs.Tursiops.vs.Megaderma	2.95E-10	7.125	3.5412E-09
Covergent:	57	8			
Comparable:	7093	7093			
	Megaderma.vs.Tursiops.vs.Eidolon	Eidolon.vs.Tursiops.vs.Megaderma	4.49E-13	14.25	5.3868E-12
Covergent:	57	4			
Comparable:	7089	7089			
	Megaderma.vs.Bos.vs.Pteropus	Pteropus.vs.Bos.vs.Megaderma	0.6474	1.375	1
Covergent:	11	8			
Comparable:	7559	7559			
	Megaderma.vs.Bos.vs.Eidolon	Eidolon.vs.Bos.vs.Megaderma	0.8237	1.22222222	1
Covergent:	11	9			
Comparable:	7554	7554			

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	Species 1: Species 2 & not Species 3 or Consensus	Species 3: Species 2 & not Species 1 or Consensus	P-value	Ratio	Bonferroni adjusted P-value
	Megaderma.vs.Mus.vs.Pteropus	Pteropus.vs.Mus.vs.Megaderma	0.0001149	4.833333333	0.0013788
Covergent:	29	6			
Comparable:	7557	7557			
	Megaderma.vs.Mus.vs.Eidolon	Eidolon.vs.Mus.vs.Megaderma	1.37E-06	10	0.00001644
Covergent:	30	3			
Comparable:	7552	7552			
	Megaderma.vs.Loxodonta.vs.Pteropus	Pteropus.vs.Loxodonta.vs.Megaderma	6.50E-05	5.6	0.00078012
Covergent:	28	5			
Comparable:	6887	6887			
	Megaderma.vs.Loxodonta.vs.Eidolon	Eidolon.vs.Loxodonta.vs.Megaderma	0.0008101	3.857142857	0.0097212
Covergent:	27	7			
Comparable:	6861	6861			
	Megaderma.vs.Oryctolagus.vs.Pteropus	Pteropus.vs.Oryctolagus.vs.Megaderma	0.1151	2.333333333	1
Covergent:	14	6			
Comparable:	7341	7341			
	Megaderma.vs.Oryctolagus.vs.Eidolon	Eidolon.vs.Oryctolagus.vs.Megaderma	0.1889	2	1
Covergent:	14	7			
Comparable:	7333	7333			
	Tursiops.vs.Daubentonia.vs.Bos	Bos.vs.Daubentonia.vs.Tursiops	1	1	1
Covergent:	11	11			
Comparable:	7825	7825			
	Tursiops.vs.Propithecus.vs.Bos	Bos.vs.Propithecus.vs.Tursiops	0.0634	0.357142857	0.7608
Covergent:	5	14			
Comparable:	7377	7377			
	Tursiops.vs.Homo.vs.Bos	Bos.vs.Homo.vs.Tursiops	1	0.916666667	1
Covergent:	11	12			
Comparable:	7921	7921			

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	Tursiops.vs.Pteronotus.vs.Bos	Bos.vs.Pteronotus.vs.Tursiops	2.49E-05	4.5	0.00029844
Covergent:	36	8			
Comparable:	7911	7911			
	Tursiops.vs.Myotis.vs.Bos	Bos.vs.Myotis.vs.Tursiops	3.00E-07	6.666666667	3.6024E-06
Covergent:	40	6			
Comparable:	7907	7907			
	Tursiops.vs.Rhinolophus.vs.Bos	Bos.vs.Rhinolophus.vs.Tursiops	1.94E-13	9.571428571	2.3292E-12
Covergent:	67	7			
Comparable:	7740	7740			
	Tursiops.vs.Megaderma.vs.Bos	Bos.vs.Megaderma.vs.Tursiops	9.15E-10	6.875	1.0984E-08
Covergent:	55	8			
Comparable:	7160	7160			
	Tursiops.vs.Pteropus.vs.Bos	Bos.vs.Pteropus.vs.Tursiops	1	1.111111111	1
Covergent:	10	9			
Comparable:	7841	7841			
	Tursiops.vs.Eidolon.vs.Bos	Bos.vs.Eidolon.vs.Tursiops	0.3015	0.5	1
Covergent:	5	10			
Comparable:	7837	7837			
	Tursiops.vs.Mus.vs.Bos	Bos.vs.Mus.vs.Tursiops	1	1	1
Covergent:	19	19			
Comparable:	7920	7920			
	Tursiops.vs.Loxodonta.vs.Bos	Bos.vs.Loxodonta.vs.Tursiops	1	0.9375	1
Covergent:	15	16			
Comparable:	7073	7073			
	Tursiops.vs.Oryctolagus.vs.Bos	Bos.vs.Oryctolagus.vs.Tursiops	0.01994	0.391304348	0.23928
Covergent:	9	23			
Comparable:	7702	7702			

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	Species 1: Species 2 & not Species 3 or Consensus	Species 3: Species 2 & not Species 1 or Consensus	P-value	Ratio	Bonferroni adjusted P-value
	Mus.vs.Daubentonia.vs.Oryctolagus	Oryctolagus.vs.Daubentonia.vs.Mus	0.1077	0.56	1
Covergent:	14	25			
Comparable:	8149	8149			
	Mus.vs.Propithecus.vs.Oryctolagus	Oryctolagus.vs.Propithecus.vs.Mus	0.03334	0.461538462	0.40008
Covergent:	12	26			
Comparable:	7598	7598			
	Mus.vs.Homo.vs.Oryctolagus	Oryctolagus.vs.Homo.vs.Mus	0.5109	0.761904762	1
Covergent:	16	21			
Comparable:	8246	8246			
	Mus.vs.Pteronotus.vs.Oryctolagus	Oryctolagus.vs.Pteronotus.vs.Mus	0.1846	1.8	1
Covergent:	18	10			
Comparable:	8237	8237			
	Mus.vs.Myotis.vs.Oryctolagus	Oryctolagus.vs.Myotis.vs.Mus	0.04679	2.083333333	0.56148
Covergent:	25	12			
Comparable:	8242	8242			
	Mus.vs.Rhinolophus.vs.Oryctolagus	Oryctolagus.vs.Rhinolophus.vs.Mus	0.03132	2.071428571	0.37584
Covergent:	29	14			
Comparable:	8064	8064			
	Mus.vs.Megaderma.vs.Oryctolagus	Oryctolagus.vs.Megaderma.vs.Mus	0.005044	2.8	0.060528
Covergent:	28	10			
Comparable:	7402	7402			
	Mus.vs.Pteropus.vs.Oryctolagus	Oryctolagus.vs.Pteropus.vs.Mus	0.7904	1.333333333	1
Covergent:	8	6			
Comparable:	8169	8169			
	Mus.vs.Eidolon.vs.Oryctolagus	Oryctolagus.vs.Eidolon.vs.Mus	0.7743	0.714285714	1
Covergent:	5	7			
Comparable:	8161	8161			

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	Mus.vs.Tursiops.vs.Oryctolagus	Oryctolagus.vs.Tursiops.vs.Mus	0.07982	2	0.95784
Covergent:	22	11			
Comparable:	7700	7700			
	Mus.vs.Bos.vs.Oryctolagus	Oryctolagus.vs.Bos.vs.Mus	0.5109	0.761904762	1
Covergent:	16	21			
Comparable:	8247	8247			
	Mus.vs.Loxodonta.vs.Oryctolagus	Oryctolagus.vs.Loxodonta.vs.Mus	1	0.9375	1
Covergent:	15	16			
Comparable:	7390	7390			

ⁱ Because *Megaderma* and *Rhinolophus* are more closely related than other bat species in the alignment, as are *Pteropus* and *Eidolon*, we were unable to compare them using this method and they do not appear in this table.